

2022 Annual Report

TRANSFORMED FROM WITHIN



bry
BERRY
CORPORATION

THE CORE VALUES THAT DEFINE OUR COMPANY



LETTER FROM THE CHAIRMAN

A. T. (TREM) SMITH

Executive Chairman of the Board
Berry Corporation (bry)



The past year was a transformative year for Berry: It was the first full year executing our expanded shareholder return model, which generated excellent returns for our shareholders; it was the first full year to have C&J Well Services under the Berry umbrella and we announced and initiated the Berry succession plan.

Berry is committed to providing solid returns to our shareholders. Last year, through the utilization of its shareholder return model, Berry provided shareholders cash returns of \$1.78 per share through fixed and variable dividends, plus share buybacks of more than \$51 million, positioning us as a leading returner of capital. The current shareholder return model continues to exemplify how Berry can evolve its model to benefit shareholders without compromising the core business or changing the operations strategy.

C&J Well Services continued to perform well, and in 2022, they plugged more than 2,800 wells. This important work is key to the state and federal mandates designed to address the potential environmental and safety hazards associated with abandoned oil wells at the end of their productive life. Our strategic acquisition of C&J Well Services not only aligns with these important environmental goals, but also contributed to our strong financial performance.

As we announced in November 2022, as of January 1, 2023, I transitioned from President & CEO and Chairman of the Board to Executive Chairman of the Board, while Berry's Chief Operating Officer (COO), Fernando Araujo, was elevated to Berry's Chief Executive Officer (CEO). Fernando is a terrific leader who has exhibited strong operational acumen, managing our assets to deliver outstanding shareholder returns. His strong technical innovation, flexibility, and leadership, as well as his ability to deliver strong health, safety, and environmental results, will be instrumental for the future success of Berry. In addition, Danielle Hunter, Berry's former General Counsel and Corporate Secretary, is now our President, with responsibility

for the Legal, Finance, Human Resources, and Health, Safety and Environmental functions. Mike Helm, Berry's Chief Accounting Officer, has stepped into the role of Chief Financial Officer and will continue to serve as the Company's Chief Accounting Officer. Cary Baetz, our former CFO, and a director since 2017, served as a special advisor to Berry's executive team through February of 2023.

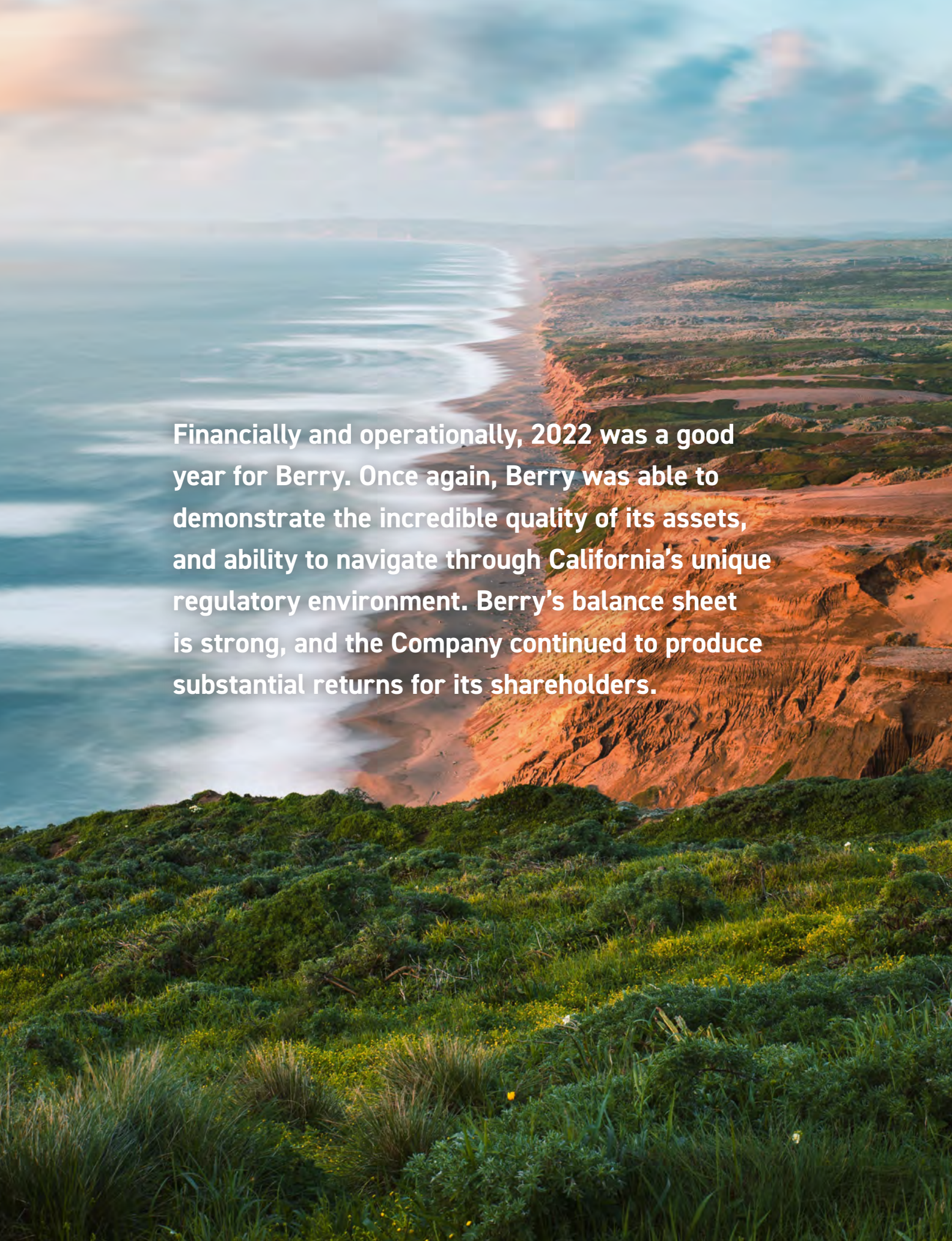
I am very proud that all of these critical leadership roles were filled from within. This fulfills a commitment I made to employees to ensure there were personal and professional growth opportunities at Berry for those who demonstrated our Core Values and the ability to effectively meet our objectives. The transition has been smooth, and I am excited for this team to take Berry forward into successful future years.

In addition to the deep talent pool and our dynamic leaders, the Company's value-creating shareholder return model, ability to generate significant free cash flow, and portfolio of oil producing assets are the keys to Berry's continued success.

It has been my privilege and honor to serve as Berry's President and CEO, and Chairman of the Board for the last five years. I assume my role as Executive Chairman of the Board confident that Fernando and the new leadership team are positioned to excel. The talent is strong, the assets are strong, and the finances are strong. Berry will continue to do what it does best and control what it can to continue to deliver on our promises to all stakeholders.

A handwritten signature in black ink that reads "A.T. Smith". The signature is fluid and cursive.

A.T. (TREM) SMITH
Executive Chairman of the Board
Berry Corporation (bry)



Financially and operationally, 2022 was a good year for Berry. Once again, Berry was able to demonstrate the incredible quality of its assets, and ability to navigate through California's unique regulatory environment. Berry's balance sheet is strong, and the Company continued to produce substantial returns for its shareholders.

FINANCIAL

In 2022, Berry generated \$250 million of net income and \$380 million of adjusted EBITDA⁽¹⁾.

Berry produced \$361 million of cash flows from operating activities and \$200 million in adjusted free cash flow⁽¹⁾, which was previously referred to as “discretionary free cash flow.” This \$200 million allowed the Company to return a total \$189 million to its shareholders in the form of dividends and share repurchases. This equates to roughly 27% of our current market capitalization returned in just one year. This is industry leading and a record for the Company.

Berry delivered these returns while maintaining flat production levels, net of acquisition and divestiture activity, and by applying the right technology and reservoir management practices and increasing workover and sidetrack activity to access more of the tremendous amount of oil resources in its assets. Berry also achieved a reserve replacement ratio of 236%.

Since Berry launched its shareholder return model on January 1, 2022, it has provided shareholders, through fixed and variable dividends, cash returns of \$1.78 per share. Specifically for 2022, Berry returned \$138 million of fixed and variable dividends and \$51 million of share repurchases to shareholders.⁽¹⁾

Since its IPO, Berry has returned a total of \$328 million to its shareholders through dividends and buybacks. The Company has proven that it can generate significant free cash flows, given the quality of its assets and ability to efficiently manage its operations to consistently deliver strong shareholder returns.


In 2022, the Company's E&P and Corporate Capital Expenditures totaled \$145 million. C&J Well Services was responsible for \$8 million of the total CapEx, which was in line with the annual guidance.

Berry was also able to efficiently manage its expenses. One critical tactic the Company employed was hedging. In 2022, hedges were successful for both oil sales and natural gas purchases. The Company strategically used hedging to help cover the fixed costs, including the capital to keep production flat, interest on our notes, and dividends.

Berry finished 2022 with \$46 million in cash on the balance sheet and \$206 million available for borrowing under the Company's revolving credit facilities.

⁽¹⁾ See <https://ir.bry.com/> for a discussion of these performance and non-GAAP measures, including a reconciliation of the most closely related GAAP measure.

PRODUCTION

An oil pumpjack (jack-o'-lantern) is shown in a desert landscape. The pumpjack is a large, complex mechanical structure made of metal, with a long horizontal beam and a vertical rod. It is surrounded by a metal fence. The background shows a flat, arid landscape under a cloudy sky. The pumpjack is the central focus of the image.

The foundation of Berry's business model continues to be its base production, which is the production that comes from existing producing wells, and on average, accounts for approximately 90% of the Company's total annual production before it drills a new well. The Company's 2022 production results demonstrated the ability to leverage base "optimization" efforts.

Through enhanced data gathering and surveillance activity, Berry was able to identify opportunities and further optimize its steam injection strategies, which allowed the Company to improve recovery and production rates from its existing California oil fields.

In 2022, Berry's Hill Tulare property reached an all-time peak production rate attributed primarily to the new techniques that were implemented, including a sizeable acid stimulation program, injector workovers, and steam reallocation that enhanced the property's production capacity.

The permitting environment in California for 2022 was an evolving one, with the lead agency responsible for compliance with the environmental review process shifting during the year from the state to the county. Berry continuously rose to the challenge of a dynamic regulatory environment, successfully securing new drill permits, in addition to permits for workovers and sidetracks, sustaining the ability to access and develop our oil resources.

Berry's people are its strongest differentiator and primary drivers of the Company's success. Because of this, the Company understands that employee engagement is vital to creating a vibrant work culture for its people. It promotes commitment and retention, which not only creates a more productive work environment, but also helps reduce costs and increase efficiencies by reducing employee turnover.

The Company continued its Core Values work in 2022 by engaging with its employees in intensive Core Values training. CEO Trem Smith personally led most of the Core Values training workshops. The training focused on both the employee's personal core values, as well as the Company's Core Values. Seventy-five percent of Berry employees have completed Core Values training, and training will continue into 2023 to ensure all employees have an opportunity to participate.

In 2022, Berry also promoted additional training programs for leaders within the organization to develop greater skills to help promote a better sense of community within the Company. The goal of these training programs is to improve employee relations and proactively manage possible performance concerns. By the end of 2023, 97% of Berry's managers (mid-level and senior) have committed to attend at least one of these critical training workshops.

Berry also recognized that while the economy was facing pressure from inflationary challenges, this was creating potential financial pressures for its employees. Berry offered employees financial incentive opportunities to help offset these burdens, including early bonus payouts from the short-term incentive plan, as well as a fuel card program for the Company's field employees who live more than 30 miles from their work location.

In 2022, Berry held employee engagement focus groups to help identify potential issues or concerns from employees that leadership could address. As a result of the feedback received from the focus groups, Berry implemented a new paid time off policy, as well as a new well-being days off policy for employees.



COMMUNITY ENGAGEMENT

Berry is committed to improving life in the communities where it operates and where its employees work, live, and play. This commitment is driven by one of Berry's Core Values: "Responsible." Berry strives to be a responsible corporate citizen.



Berry supports its communities through engagement, direct funding, in-kind donations, and employee participation and volunteering. This robust approach to community engagement creates a more meaningful impact for the communities where it operates, but also with its employees.

The Company knows its employees play a vital role in taking care of its communities. In keeping with its Core Values and commitment to empowering employees, Berry has an employee match program in place for employees who financially contribute to local organizations, thereby maximizing the individual and collective effort.

There are currently more than 70 organizations that have been pre-approved for employee donation matching and/or opportunities for employees to utilize volunteer paid time off (PTO) hours. Berry annually provides 32 volunteer PTO hours for its full-time employees. Growing visibility in the community helps build employee morale and helps with recruitment and retention.

In 2022, Berry was proud to continue its investment in the local communities. Berry's charitable giving across operational areas increased 204% from 2021 levels. Berry participated in more than 125 events, fundraisers, and community-supportive events (such as local economic development meetings and conferences).

Berry amended its charitable giving policy to include a new "Berry Impact Giving" strategy. In 2022, the first "B.I.G." donation was a pledge of \$50,000 to Taft College in support of a new vocational learning center, investing in the Taft community.

MEET FERNANDO ARAUJO, BERRY'S NEW CEO



Fernando Araujo joined Berry in September 2020 as Executive Vice President and Chief Operating Officer and assumed the role of Berry's CEO in January 2023.

Left to Right:
SNEHA PATEL Corporate Reserves & Planning Director, TREENA BRODIE Vice President, Development and FERNANDO ARAUJO Chief Executive Officer

Fernando has had the opportunity to work with diverse people, cultures, and political environments around the world, which has informed his leadership philosophy. He believes that the key to success is staying focused on what you can control and not letting external uncertainties dictate your future. To Fernando, this extends to where Berry allocates its capital, how it operates and is organized, the culture within the Company, and external communications. Developing and cultivating internal and external relationships is vital to the health of the organization. This means being available not only to those within the office, but also the team members in the field. This also extends to key external relationships, which have the potential to open the door to collaborative solutions.

Two years as Berry's EVP and COO has given Fernando great insight into Berry's challenges and opportunities. A top priority will be to ensure the Company continues to be creative in finding ways to maximize production and remain agile. A key component of this is an operational excellence campaign Fernando launched shortly after taking the reins as CEO in January. This campaign aims to directly involve all employees as the organization looks to identify ways it can operate more efficiently and optimize its assets, while continuing to deliver value to shareholders and provide a critical resource that helps fuel our economy and way of life.



IDLE AND ORPHAN WELLS

Idle wells can pose a risk to both the environment and to the communities in which they are found. Studies have linked orphan and long-term idle wells to methane emissions, which produce much greater warming power than carbon dioxide. Improperly plugged wells can also be a potential source of groundwater contamination. With Berry's successful integration of C&J Well Services (CJWS), the Company is uniquely positioned to help California safely seal other operators' idle wells, as well as those that have been orphaned throughout the state.

- **In 2022, CJWS plugged more than 2,800 wells.**
- **For each new well Berry drills, it accounts for future costs of abandonment and decommissioning of both the well and associated facilities.**

ENVIRONMENTAL, SOCIAL AND GOVERNANCE

Berry believes that the oil and gas industry will remain an important part of the energy landscape, even as California sets ambitious climate goals to reduce fossil fuel consumption over the course of the next two decades. California-produced oil is generated under the cleanest and safest standards in the world, and the Company is proud to produce this critical resource, while supporting a clean environment and protecting natural resources.

ADDITIONAL SUSTAINABILITY HIGHLIGHTS*

- In 2022, Berry commenced construction of a 2 MW solar field at the Company's Hill property.
- CJWS purchased approximately \$6 million in final Tier 4 engines, which significantly reduced two key pollutants: particulate matter (PM) and nitrogen oxides (NOx). NOx is known to contribute to the formation of ground-level ozone, and PM exposure has been shown to have adverse health effects on the respiratory system.
- CJWS transitioned approximately 85% of its equipment to use renewable diesel fuel (RD99).
- Berry converted its North Midway (NMW) interconnect from import to export, reducing the amount of electricity Berry purchased for NMW by approximately 70%, while returning electricity to California's grid.

*Updates on Berry's progress towards its 2022 Sustainability Commitments will be publicly available on the Company's website at www.bry.com during the third quarter of 2023.

SHAREHOLDER RETURN MODEL

2022 marked the first full year of Berry's shareholder return model. The model, which took effect on January 1, 2022, is designed to maximize shareholder value and returns, and has successfully delivered on that promise.

The model's governing principles remain predictability, transparency, and simplicity, just like the Berry business model. Berry has a proven, simple business model, which includes a low corporate decline rate; a predictable cost structure; an abundance of inventory; Brent pricing; a simple, clean balance sheet; and robust adjusted free cash flow.

In 2022, Berry's shareholder return model was based on the Company's adjusted free cash flow, which is defined as cash flow from operations less regular fixed dividends and the capital needed to hold production flat. Under this model, the Company allocated adjusted free cash flow, which delivered top-tier cash returns through fixed and variable dividends, as well as significant share repurchases and acquisitions, which provided immediate returns and growth opportunities.

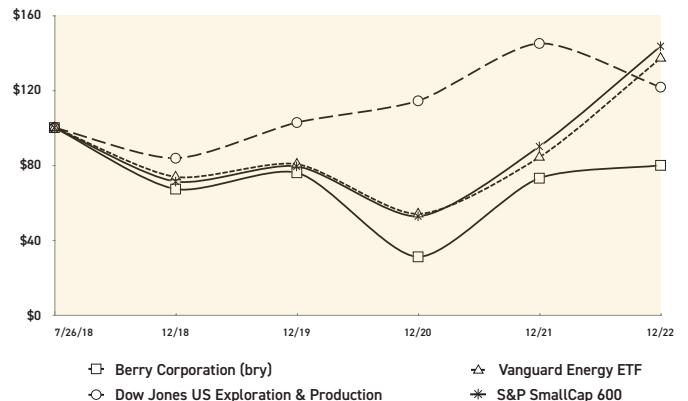
After analyzing the value creation of the first year of our shareholder return model and soliciting feedback from shareholders and the investor community, the Company is adjusting the allocations effective for 2023. Berry is now targeting a high single-digit dividend yield with the goal of increasing the value of its shares and lowering its cost of capital. As such, Berry is changing the proportions of the shareholder return model distribution:

- **80% primarily in the form of opportunistic debt and share repurchases**
- **20% in the form of variable dividends**

Going forward, subject to declaration by the Board, Berry intends to double the fixed dividend to \$0.12 per share quarterly or \$0.48 per share annually. This enhancement to the shareholder return model is a testament to Berry's high-quality, low-declining reserves, long-term view of executing on its business plan, and the Company's visibility into its cash flows.

COMPARISON OF 53 MONTH CUMULATIVE TOTAL RETURN*

Among Berry Corporation (bry), the S&P Smallcap 600 Index, The Dow Jones US Exploration & Production Index, and the Vanguard Energy ETF



*\$100 invested on 7/26/18 in stock or 6/30/18 in index, including reinvestment of dividends. Fiscal year ending December 31.

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UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 10-K

ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the Fiscal Year Ended December 31, 2022

OR

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from _____ to _____
Commission file number 001-38606

BERRY CORPORATION (bry)

(Exact name of registrant as specified in its charter)

Delaware

(State of incorporation or organization)

81-5410470

(I.R.S. Employer Identification Number)

16000 Dallas Parkway, Suite 500
Dallas, Texas 75248
(661) 616-3900

(Address of principal executive offices, including zip code
Registrant's telephone number, including area code):

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol	Name of each exchange on which registered
Common Stock, par value \$0.001 per share	BRY	Nasdaq Global Select Market

Securities registered pursuant to Section 12(g) of the Act: None

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes No

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act. Yes No

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§232.405) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company or an emerging growth company. See definitions of "large accelerated filer," "accelerated filer," "smaller reporting company" and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer Accelerated filer Non-accelerated filer Smaller reporting company
Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant has filed a report on and attestation to its management's assessment of the effectiveness of its internal control over financial reporting under Section 404(b) of the Sarbanes-Oxley Act (15 U.S.C. 7262(b)) by the registered public accounting firm that prepared or issued its audit report.

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Act). Yes No

If securities are registered pursuant to Section 12(b) of the Act, indicate by check mark whether the financial statements of the registrant included in the filing reflect the correction of an error to previously issued financial statements.

Indicate by check mark whether any of those error corrections are restatements that required a recovery analysis of incentive-based compensation received by any of the registrant's executive officers during the relevant recovery period pursuant to §240.10D-1(b).

The aggregate market value of the voting and non-voting common equity held by non-affiliates computed by reference to the price at which the common equity was last sold, as of the last business day of the registrant's most recently completed second fiscal quarter was \$501.6 million.

Shares of common stock outstanding as of January 31, 2023:

75,767,503

DOCUMENTS INCORPORATED BY REFERENCE

The Company's definitive proxy statement relating to the annual meeting of shareholders (to be held May 23, 2023) will be filed with the Securities and Exchange Commission within 120 days after the close of the Company's fiscal year ended December 31, 2022 and is incorporated by reference in Part III to the extent described herein.

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The financial information and certain other information presented in this report have been rounded to the nearest whole number or the nearest decimal. Therefore, the sum of the numbers in a column may not conform exactly to the total figure given for that column in certain tables in this report. In addition, certain percentages presented in this report reflect calculations based upon the underlying information prior to rounding and, accordingly, may not conform exactly to the percentages that would be derived if the relevant calculations were based upon the rounded numbers, or may not sum due to rounding.

Part I

Items 1 and 2. Business and Properties

“Berry Corp.” refers to Berry Corporation (bry), a Delaware corporation, which is the sole member of each of its three Delaware limited liability company subsidiaries: (1) Berry Petroleum Company, LLC (“Berry LLC”), (2) CJ Berry Well Services Management, LLC (“C&J Management”) and (3) C&J Well Services, LLC (“C&J”). As the context may require, the “Company”, “we”, “our” or similar words refer to Berry Corp. and its consolidated subsidiary, Berry LLC, and as of October 1, 2021 this also includes C&J Management and C&J.

Our Company

We are a western United States independent upstream energy company with a focus on onshore, low geologic risk, long-lived conventional reserves in the San Joaquin basin of California (100% oil) and the Uinta basin of Utah (oil and gas), with well servicing and abandonment capabilities in California. Since October 1, 2021, we have operated in two business segments: (i) exploration and production (“E&P”) and (ii) well servicing and abandonment (“CJWS”).

The assets in our E&P business, in the aggregate, are characterized by high oil content (our California assets are 100% oil) and are predominantly located in rural areas with low population. In California, we focus on conventional, shallow oil reservoirs, the drilling and completion of which are relatively low-cost in contrast to unconventional resource plays. The California oil market has primarily Brent-influenced pricing which has typically realized premium pricing to WTI. All of our California assets are located in the oil-rich reservoirs in the San Joaquin basin, which has more than 150 years of production history and substantial oil remaining in place. As a result of the substantial data produced over the basin’s long history, its reservoir characteristics and low geological risk opportunities are well understood. We also have upstream assets in the oil-rich reservoirs in the Uinta basin of Utah.

On October 1, 2021, we completed the acquisition of one of the largest upstream well servicing and abandonment businesses in California, which operates as C&J Well Services (“CJWS”) and constitutes our well servicing and abandonment segment. CJWS provides wellsite services in California to oil and natural gas production companies, with a focus on well servicing, well abandonment services and water logistics. CJWS’ services include rig-based and coiled tubing-based well maintenance and workover services, recompletion services, fluid management services, fishing and rental services, and other ancillary oilfield services. Additionally, CJWS performs plugging and abandonment services on wells at the end of their productive life, which we believe creates a strategic growth opportunity for Berry based on the significant market of idle wells.

Since our Initial Public Offering (IPO) in July 2018, we have demonstrated our commitment to maximizing shareholder value and returning a substantial amount of capital to shareholders through dividends and share purchases. In 2022, we reinforced this commitment by initiating a shareholder return model, which is further discussed below, designed to take advantage of our low decline rates and strong visibility into our cost structure to maximize returns to our shareholders. Under this well-defined shareholder return model, we declared variable dividends of \$1.54 per share in aggregate based on the \$200 million of Adjusted Free Cash Flow (defined and discussed below) that we generated in 2022. We also declared fixed dividends of \$0.24 during 2022. Inclusive of the fixed and variable dividends related to the fourth quarter of 2022, since our IPO, we will have returned \$328 million to our shareholders, which represents 298% of our IPO proceeds, consisting of \$224 million in fixed and variable dividends and \$104 million to repurchase 10.5 million shares, which represents 14% of our outstanding shares as of December 31, 2022.

Our shareholder return model went into effect January 1, 2022. Like our business model, this shareholder return model is simple and demonstrates our commitment to optimize capital allocation and returns to our shareholders. The model is based on our Adjusted Free Cash Flow (formerly called Discretionary Free Cash Flow), which is defined as cash flow from operations less regular fixed dividends and maintenance capital. Maintenance capital, which represents the capital expenditures needed to optimize production volumes for a given year, is defined as

capital expenditures, excluding, when applicable, (i) E&P capital expenditures that are related to strategic business expansion, such as acquisitions and divestitures of oil and gas properties and any exploration and development activities to increase production beyond the prior year's annual production volumes, (ii) capital expenditures in our well servicing and abandonment segment, (iii) corporate expenditures that are related to ancillary sustainability initiatives and/or (iv) other expenditures that are discretionary and unrelated to maintenance of our core business. The initial allocation of Adjusted Free Cash Flow in 2022 was contemplated as: (a) 60% predominantly in the form of variable cash dividends to be paid quarterly, as well as opportunistic debt repurchases; and (b) 40% which could be used for opportunistic growth, including from our extensive inventory of drilling opportunities, advancing our short- and long-term sustainability initiatives, share repurchases, and/or capital retention. Adjusted Free Cash Flow does not represent the total increase or decrease in our cash balance, and it should not be inferred that the entire amount of Adjusted Free Cash Flow is available for variable dividends, debt or share repurchase or other discretionary expenditures, since we have non-discretionary expenditures that are not deducted from this measure. Adjusted Free Cash Flow is a non-GAAP financial measure. See "Management's Discussion and Analysis—Non-GAAP Financial Measures" for a reconciliation of Adjusted Free Cash Flow to cash provided by operating activities, our most directly comparable financial measure calculated and presented in accordance with GAAP.

Our Adjusted Free Cash Flow in 2022 was \$200 million, of which we will have returned \$189 million to shareholders in the form of dividends and share repurchases, specifically, \$119 million for the variable cash dividends, (ii) \$19 million for fixed cash dividends and (iii) \$51 million for share repurchases.

In early February 2023, we updated our shareholder return model, including the plan to double our quarterly fixed dividend to \$0.12 per share. We also modified the allocations of Adjusted Free Cash Flow. Our goal is to continue maximizing shareholder value through overall returns. Starting with the first quarter of 2023, the allocation of Adjusted Free Cash will be (a) 80% primarily in the form of opportunistic debt or share repurchases; and (b) 20% in the form of variable dividends. Any dividends (fixed or variable) actually paid will be determined by our Board of Directors in light of then existing conditions, including our earnings, financial condition, restrictions in financing agreements, business conditions and other factors.

We believe that the successful execution of our strategy across our low-declining, oil-weighted production base coupled with extensive inventory of identified drilling locations with attractive full-cycle economics will support our objectives to generate free cash flow, which funds our operations, optimizes capital efficiency and maximizes shareholder returns. We also strive to maintain a low leverage profile and explore attractive organic and strategic growth through commodity price cycles. Our strategy includes proactively engaging the many forces driving our industry and impacting our operations, whether positive or negative, to maximize the utility of our assets, create value for shareholders, and support environmental goals that align with safe, more efficient and lower emission operations. As part of our commitment to creating long-term value for our shareholders, we are dedicated to conducting our operations in an ethical, safe and responsible manner, to protecting the environment, and to taking care of our people and the communities in which we live and operate. We believe that oil and gas will remain an important part of the energy landscape going forward and our goal is to conduct our business safely and responsibly, while supporting economic stability and social equity through engagement with our stakeholders. We recognize the oil and gas industry's role in the energy transition and advocate a co-existence between renewable and conventional energy. We are committed to being part of the energy transition solution by continuing to provide safe and affordable energy to our communities.

The Berry Advantage

The foundation of our business model is our base production, which is the production that comes from our existing, producing wells. Our goal is to protect our base production and minimize its decline with the objective of maintaining relatively stable production levels year over year. In terms of that goal, our base production on average, typically accounts for greater than 90% of our total annual production, and the remaining 10% comes from a mixture of drilling new wells, sidetrack wells, and the workover of existing wells. In 2022, our base production accounted for 94% of our total production. We have a manageable annual corporate decline rate in the low teens, with significant inventory of new drill and workover opportunities and predictable costs, which provides visibility to our

potential cash flow options. Our ability to pivot our capital allocation between new drills and sidetrack and workovers in response to regulatory delays or other factors provides further stability in an uncertain market and regulatory environment. These advantages, coupled with an ability to efficiently hedge material quantities of future expected production, provides visibility to our cash flows compared to the typical resource play and can generate significant cash flow through typical commodity price cycles.

We believe the following competitive advantages will allow us to successfully execute our business strategy and meet our objectives to generate free cash flow to fund our operations, optimize capital efficiency and maximize shareholder returns. We also strive to maintain a low leverage profile and explore attractive organic and strategic growth through commodity price cycles:

- ***Stable, long-lived, oil-weighted conventional asset base with low and predictable production decline rates.*** Almost all of our interests are in properties that have produced oil for decades. As a result, most of the geology and reservoir characteristics are well understood, and new development well results are generally predictable, repeatable and present lower risk than unconventional resource plays. Our properties, especially those in California, are characterized by long-lived reserves with low production decline rates, a stable development cost structure and low-geologic risk developmental drilling opportunities with predictable production profiles. Our current corporate annual decline rate is in the low teens, which is manageable and provides greater visibility into our cash flows compared to unconventional resource plays. In California, our base production from existing wells requires little to no additional capital to continue to produce, and it typically provides at least 90% of the production needed to maintain relatively stable levels year over year. The remaining 10% comes from a mixture of drilling new wells, side tracks, and the workover of existing wells. The nature of our assets also provides us with significant capital flexibility (discussed further below) and an ability to efficiently hedge material quantities of future expected production, further enhancing visibility to our cash flow.
- ***Extensive inventory of low geological risk identified drilling opportunities with attractive full-cycle economics, high operational control and a stable development and production cost environment provides capital flexibility.*** Historically, we have been able to generate attractive rates of return and positive free cash flow through typical commodity price cycles. Subject to our ability to obtain the necessary permits and approvals to drill new wells and sidetracks and workover existing wells, we believe we will be able to maintain current production levels and fund organic and strategic growth, among other things, while returning capital to shareholders. For example, our proved undeveloped (“PUD”) reserves in California are projected to average single-well rates of return of approximately 100% based on the assumptions prepared by DeGolyer and MacNaughton in our SEC reserves report as of December 31, 2022. We currently operate approximately 97% of our producing wells and we expect this level of control to continue for our identified gross drilling locations. In addition, a substantial majority of our acreage is currently held by production and fee interest, including 91% of our acreage in California. Our high degree of control over our properties gives us flexibility in executing our development program, including the timing, amount and allocation of our capital expenditures, technological enhancements and marketing of production. Also, unlike many of our peers who operate primarily in unconventional plays, our assets generally do not necessitate supply-constrained and highly specialized equipment, which provides us some relative insulation from service cost inflation pressures. Our high degree of operational control and relatively stable and predictable cost environment provides us visibility and understanding of our expected cash flow.
- ***Brent-influenced crude oil pricing advantage.*** California oil prices are Brent-influenced as California refiners import approximately 70% of the state’s demand from OPEC+ countries and other waterborne sources. Without the higher costs and potential environmental impact associated with importing crude via rail or supertanker, we believe our in-state production and low-cost crude transportation options, coupled with Brent-influenced pricing should continue to allow us to realize positive cash margins in California over the typical commodity price cycles.
- ***Simple capital structure and conservative balance sheet leverage with ample liquidity and minimal contractual obligations.*** Since our IPO, our capital structure has consisted of common stock and \$400

million of 7.0% senior unsecured notes due February 2026 (the “2026 Notes”). As of December 31, 2022, we had \$252 million of liquidity, consisting of \$46 million of cash, \$193 million available for borrowings under our 2021 RBL Facility (as defined herein), and \$13 million available for borrowings under the CJWS 2022 ABL Facility (as defined herein). As of December 31, 2022, our Leverage Ratio (as defined in our 2021 RBL Facility) was 1.2 to 1.0. In addition, we have minimal long-term service and purchase commitments. We have fixed-volume delivery commitments for which we will purchase the gas needed for operations at market rates. This liquidity and flexibility permit us to capitalize on opportunities that may arise to strategically grow and increase stockholder value.

- ***Experienced, principled and disciplined management team.*** Our management team has significant experience operating and managing oil and gas businesses across numerous domestic and international basins, as well as reservoir and recovery types. We use our technical, operational and strategic management experience to optimize the value of our assets and the Company. We are committed to operating within positive free cash flow and maintaining a low leverage profile, while exploring attractive organic and strategic growth opportunities through commodity price cycles, and working to maintain our production levels year over year and improve the value of our reserves. In doing so, we take a disciplined approach to development and operating cost management, field development efficiencies and the application of proven technologies and processes to our properties in order to generate a sustained life-cycle cost advantage.

Our Business Strategy

The principal elements of our business strategy include the following:

- ***Operate within the positive free cash flow generated by our operations and maintain balance sheet strength and flexibility through commodity price cycles.*** We believe that the successful execution of our strategy across our low-declining, oil-weighted production base coupled with extensive inventory of identified drilling locations with attractive full-cycle economics will support our objectives to generate free cash flow to fund our operations, optimize capital efficiency, and maximize shareholder returns. We also strive to maintain a low leverage profile and maintain a long-term, through-cycle Leverage Ratio (as defined in our 2021 RBL Facility) between 1.0x and 2.0x, or lower.
- ***Return capital to our shareholders.*** Our objective is to take advantage of our base production and the visibility into our cash flow to maintain disciplined value creation and a returns-focused approach to capital allocation in order to generate excess free cash flow. Since our 2018 IPO through December 31, 2022, we will have returned approximately \$328 million to our shareholders through dividends and share repurchases, representing 298% of our IPO proceeds. From our IPO through December 31, 2022, we repurchased approximately 14% of our outstanding shares. We currently have \$200 million authorized and available for future share repurchases. Additionally, our Board of Directors authorized up to \$75 million for the opportunistic repurchase of our 2026 Notes, although we have not yet repurchased any notes under this program since its adoption in February 2020. For a discussion of our dividend policy, as well as our stock repurchase program, please see “Item 5. Market for the Registrant’s Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities.”

In January 2022, we introduced our shareholder return model, which is designed to increase cash returns to our shareholders, further demonstrating our commitment to be a leading returner of capital to its shareholders. The model is based on our Adjusted Free Cash Flow (formerly called Discretionary Free Cash Flow), which is defined as cash flow from operations less regular fixed dividends and maintenance capital. Under this model, in 2022 we allocated Adjusted Free Cash Flow on a quarterly basis as follows:

- 60% predominantly in the form of cash variable dividends to be paid quarterly, as well as opportunistic debt repurchases; and

- 40% to be used for opportunistic growth, including from our extensive inventory of drilling opportunities, advancing our short- and long-term sustainability initiatives, share repurchases, and/or capital retention

In early February 2023, we updated our shareholder return model, including the plan to double our quarterly fixed dividend to \$0.12 per share. We also modified the allocations of Adjusted Free Cash Flow. Our goal is to continue maximizing shareholder value through overall returns. Starting with the first quarter of 2023, the allocation of Adjusted Free Cash will be:

- 80% primarily in the form of opportunistic debt and share repurchases; and
- 20% in the form of variable dividends. Any dividends (fixed or variable) actually paid will be determined by our Board of Directors in light of then existing conditions, including our earnings, financial condition, restrictions in financing agreements, business conditions and other factors.

Adjusted Free Cash Flow does not represent the total increase or decrease in our cash balance, and it should not be inferred that the entire amount of Adjusted Free Cash Flow is available for variable dividends, debt or share repurchase or other discretionary expenditures, since we have non-discretionary expenditures that are not deducted from this measure. Adjusted Free Cash Flow is a non-GAAP financial measure. See “Management’s Discussion and Analysis—Non-GAAP Financial Measures” for a reconciliation of Adjusted Free Cash Flow to cash provided by operating activities, our most directly comparable financial measure calculated and presented in accordance with GAAP.

- ***Maintain production and reserves in a capital efficient manner and generate Adjusted Free Cash Flow to return to our shareholders through our shareholder return model .*** We intend to continue to allocate capital in a disciplined manner to projects that will produce predictable and attractive rates of return. We currently plan to direct capital to our oil-rich and low-geologic risk development opportunities, primarily in California, while focusing on leveraging capital efficiencies across our asset base with the primary objective of internally funding our capital budget and development plan. As a result of ongoing regulatory uncertainty impacting the availability of new drill permits in California, our current capital program for 2023 focuses on new wells drilled or to be drilled during the year for which we already have permits or have existing California Environmental Quality Act (“CEQA”) analysis completed, and otherwise focuses on workovers and other activities related to existing wellbores. We may also use our capital flexibility to pursue value-enhancing, bolt-on acquisitions to opportunistically add to our positions in existing or nearby basins.
- ***Proactively and collaboratively engage in matters related to regulation, the environment and community relations.*** We seek to work with regulators and legislators throughout the rule-making process in attempt to minimize the adverse impacts that new legislation and regulations might have on our ability to maximize our resources. We believe that running our operations in a manner that protects the safety and health of the communities we serve and the greater environment is the right way to run our business. It also helps us build and maintain credibility with the agencies that regulate our operations, as well as support positive relationships with the communities in which we operate. With ultimate oversight by our Board of Directors, health, safety and environmental (“HSE”) considerations are an integral part of our day-to-day operations and are incorporated into the strategic decision-making process across our business.
- ***Maximize ultimate hydrocarbon recovery from our assets by optimizing drilling, completion and production techniques and investigating deeper reservoirs and areas beyond our known productive areas.*** While we continue to utilize proven techniques and technologies, we will also continuously seek efficiencies in our drilling, completion and production techniques in order to optimize ultimate resource recoveries, rates of return and cash flows. We will continue to advance and use innovative oil recovery and other recovery techniques to unlock additional value and will allocate capital towards these next generation technologies where applicable. In addition, we intend to take advantage of underdevelopment in basins where we operate by expanding our geologic investigation of reservoirs on our acreage and adjacent

acreage below existing producing reservoirs. Through these studies, we will seek to expand our development beyond our known productive areas in order to add probable and possible reserves to our inventory at attractive all-in costs. We strive to optimize our production and grow our reserves by leveraging the expertise of our people to find or create new opportunities within our robust assets.

- ***Enhance future cash flow stability and visibility through an active and continuous hedging program.*** Our hedging strategy is designed to insulate our capital program from price fluctuations by securing price realizations and cash flows for production. We use commodity pricing outlooks and our understanding of market fundamentals to better protect our cash flows - we hedge crude oil and gas production to protect against oil and gas price decreases and we hedge gas purchases to protect our operating expenses against price increases. We also seek to protect our operating expenses through fixed-price gas purchase agreements and pipeline capacity agreements for the shipment of natural gas from the Rockies to our assets in California that help reduce our exposure to fuel gas purchase price fluctuations. In addition, we hedge to meet the hedging requirements of the 2021 RBL Facility. We protected a significant portion of our cash flows in 2022, and have sought to protect a significant portion of our anticipated cash flows in 2023, as well as a portion in 2024 through 2025, using our commodity hedging program. We review our hedging program continuously as market conditions change and make our hedging decisions using a wide range of market data and analysis.
- ***Continuously optimize costs.*** Management is focused on cost reduction initiatives and optimizing our cost structure across the company. We believe we will be able to identify and achieve cost reductions and optimize our processes and cost structure while maintaining our HSE standards.
- ***Continue to be compliant with strong HSE performance.*** As part of our commitments to being a good corporate citizen and creating long-term stockholder value, we strive to conduct our operations in an ethical, safe and responsible manner that safeguards people and the environment and complies with existing laws and regulations and to take care of our people and the communities in which we live and operate. We monitor our HSE performance through various measures, and we hold our employees and contractors to high standards. Meeting corporate HSE metrics, including with respect to HSE incidents, is a part of our short-term incentive program for all employees.
- ***Continue to improve our environment through our CJWS plugging and abandonment business and other initiatives.*** We believe that oil and gas will remain an important part of the energy landscape going forward and we are committed to being good corporate citizens, which includes minimizing our environmental impact. Through CJWS, we have the capabilities to support the State's orphaned wells and fugitive emissions initiatives related to its approximately 35,000 idle wells, of which approximately 5,000 are believed to be orphaned idle wells according to third party sources. CJWS is an active contributor to the reduction of state-wide fugitive emissions, which are primarily methane, the most damaging of the greenhouse gases, by plugging and abandoning orphan and idle wells. Additionally, we are continuing to advance other environmental initiatives, including solar and water recycling projects and we are evaluating our acreage for carbon capture, use and storage opportunities.

Our Capital Program

For the years ended December 31, 2022 and 2021 our total capital expenditures were approximately \$153 million and \$133 million, respectively, including capitalized overhead and interest and excluding acquisitions and asset retirement spending. We increased our 2022 capital program compared to 2021, in response to the improved oil price environment and the improving global and national economic environment. E&P and corporate expenditures were \$145 million in 2022 (excluding well servicing and abandonment capital of \$8 million) compared to \$132 million in 2021. Approximately 61% and 39% of these capital expenditures for the year ended December 31, 2022 was directed to California and Utah operations, respectively. The Company allocated more capital to the Utah assets in 2022, compared to 2021, in part due to the opportunities in the newly acquired Antelope Creek properties. Additionally, as a result of the significant challenges in receiving new drill permits in California, the

Company drilled fewer new wells and increased the sidetrack, workover and recompletion activity in California compared to the prior year. The increase in full-year capital expenditures is also partially due to cost inflation in excess of our initial expectations, which we began to experience mid-year.

Year-over-year our overall production was flat, excluding the effect of our acquisitions and divestitures in 2022 and 2021. We drilled 85 wells in 2022, of which 72 were in California and consisted of 51 producing wells 13 injector and other wells and 8 delineation wells. We also drilled 13 wells in Utah.

Our 2023 capital expenditure budget for E&P operations and corporate activities is between \$95 to \$105 million, which we expect will result in a slight decline in production year over year but that production levels will be relatively flat to those experienced in the second half of 2022. This capital excludes approximately \$8 million for CJWS. We currently anticipate oil production will be approximately 92% of total production volume in 2023, consistent with 2022. Based on current commodity prices and our drilling success rate to date, we expect to be able to fund our 2023 capital development programs from cash flow from operations. Our current capital program for 2023 focuses on new wells drilled during the year for which we already have permits or have existing CEQA analysis completed, and otherwise focuses on workovers, side tracks and other activities related to existing wellbores. As a result of ongoing regulatory uncertainty in California impacting the permitting process in Kern County where all of our California assets are located, the capital program has been prepared based on the assumption that we will not receive additional new drill permits in California 2023, but that we will continue to timely receive the other permits and approvals needed for planned activities. However, we are pursuing alternative avenues to obtain additional permits for new wells that, if received could enable us to expand the 2023 drilling program contemplated under our capital budget. Please see “—Regulatory Matters” for additional discussion of the laws and regulations that impact our ability to drill and develop our assets, including those impacting regulatory approval and permitting requirements.

Exclusive of the capital expenditures noted above, for the full year 2022, we spent approximately \$20 million on plugging and abandonment activities, exceeding our annual obligation requirements under California idle well management plan. In 2023, we currently expect to spend approximately \$21 million to \$24 million for such activities and we again plan to stay ahead of our annual plugging and abandonment obligations in keeping with our commitments to be a responsible operator.

For information about the potential risks related to our capital program, see “Item 1A. Risk Factors”, as well as “—Regulatory Matters”.

Our Areas of Operation - E&P

Our predominant E&P operating area is in California, and we also have operations in Utah. In January 2022 we divested our Colorado operating area.

California

California oil fields, including those in Kern County and the San Joaquin Basin, where our fields are located, are some of most resource-rich in the world. According to the U.S. Energy Information Administration, the San Joaquin basin in Kern County, California contained three of the 20 largest oil fields in the United States based on proved reserves. We have operations in two of those three fields —Midway-Sunset and South Belridge. All of our California operations are in the San Joaquin basin and rural Kern County with low population density. We believe there are extensive existing field redevelopment opportunities in and around our areas of operation within the San Joaquin basin, which also include the McKittrick and Poso Creek fields. We also believe that our California focus and strong balance sheet will allow us to take advantage of these opportunities. Commercial petroleum development began in the San Joaquin basin in the late 1860s when asphalt deposits were mined and shallow wells were hand dug and drilled. Rapid discovery of many of the largest oil accumulations followed during the next several decades. Operations on our properties began in 1909. In the 1960s, introduction of thermal techniques resulted in substantial new additions to reserves in heavy oil fields. The San Joaquin basin contains multiple stacked benches that have

allowed continuing discoveries of stratigraphic, structural and non-structural traps. Most oil accumulations discovered in the San Joaquin basin occur in the Eocene age through Pleistocene age sedimentary sections. Organic rich shales from the Monterey, Kreyenhagen and Tumey formations form the source rocks that generate the oil for these accumulations.

We currently hold approximately 15,000 net acres in the San Joaquin basin in Kern County, of which 91% is held by production and fee interest. Approximately 12% of our California acres are on Federal lands administered by the Bureau of Land Management (“BLM”), of which 100% is held by production. We have a 97% average working interest in our California assets, and our producing areas include:

- California operations consist of:
 - (i) our North Midway-Sunset sandstone properties, where we use cyclic and continuous steam injection to develop these known reservoirs; and our McKittrick Field property, which is a newer steamflood development with potential for infill and extension drilling. Also located here are our North Midway-Sunset thermal diatomite properties, which require high pressure cyclic steam techniques to unlock the significant value we believe is there and maximize recoveries.

Following the November 2019 moratorium on approval of new high–pressure cyclic steam wells to address surface expressions experienced by certain operators, we continue to await approval of our revised development plans from CalGEM, which we believe are in accordance with the results of the study co-led by Lawrence Livermore National Laboratory and CalGEM. In the meantime, we have plans to drill permitted wells in these thermal diatomite properties in 2023, which do not require high-pressure cyclic steam. Please see “—Regulation of Health, Safety and Environmental Matters—Additional CalGEM Actions on Oil and Gas Activities” for more information;

- (ii) our South Midway-Sunset, properties, which are long-life, low-decline, strong-margin thermal oil properties with additional development opportunities;
- (iii) our South Belridge Field Hill property, which is characterized by two known reservoirs with low geological risk containing a significant number of drilling prospects, including downspacing opportunities, as well as additional steamflood opportunities.
- (iv) our Poso Creek property, which is an active mature shallow, heavy oil asset that we continue to develop. We develop these sandstone properties with a combination of cyclic and continuous steam injections, similar to many of our west California operations.

Our California proved reserves represented approximately 76% of our total proved reserves at December 31, 2022. California accounted for 21.3 mboe/d, or 82%, of our average daily production for the year ended December 31, 2022.

Along with these upstream operations, we have infrastructure and excess available takeaway capacity in place to support additional development in California. We produce oil from heavy crude reservoirs using steam to heat the oil so that it will flow to the wellbore for production. To help support this operation, we own and operate four natural gas-fired cogeneration plants that produce electricity and steam. These plants, in the Midway-Sunset and McKittrick fields, supply approximately 16% of our steam needs and approximately 55% of our field electricity needs to power our operations in California, on average generally at a discount to electricity market prices. To further help offset our costs, we also sell electricity produced by two of our cogeneration facilities under long-term contracts with terms ending in December 2023 and November 2026. We also own 62 conventional steam generators to help satisfy the steam required by our operations.

In addition, we own gathering, storage, treatment, water recycling and softening facilities, reducing our need to spend capital to develop nearby assets and generally allowing us to control certain operating costs. Approximately

92% of our California oil production is sold through pipeline connections, however, we can also sell our oil using trucking during short-term pipeline market disruptions.

Uinta Basin, Utah

The Uinta basin is a mature, light-oil-prone play covering more than 15,000 square miles with significant undeveloped resources where we have high operational control and additional behind pipe potential. Our Uinta basin operations in the Brundage Canyon, Ashley Forest, Lake Canyon and Antelope Creek areas in Utah target the Green River and Wasatch formations that produce oil and natural gas at depths ranging from 4,000 feet to 7,000 feet. We have high operational control of our existing acreage, which provides significant upside for additional vertical and/or horizontal development and recompletions. We currently hold approximately 101,000 net acres in the Uinta basin, of which 92% is held by production. Approximately 28% of our Utah acreage is on Federal lands administered by the BLM, of which 78% is held by production. Approximately 65% of our Utah acreage is on tribal lands, of which 98% is held by production.

Our Uinta basin proved reserves represented approximately 24% of our total proved reserves at December 31, 2022 and accounted for 4.8 mboe/d or 18% of our average daily production for the year ended December 31, 2022.

We also have extensive gas infrastructure and available takeaway capacity in place to support additional development along with existing gas transportation contracts. We have natural gas gathering systems consisting of approximately 500 miles of pipeline and associated compression and metering facilities that connect to numerous sales outlets in the area. We also own a natural gas processing plant in the Brundage Canyon area located in Duchesne County, Utah with capacity of approximately 30 mmcf/d. This facility takes delivery from gathering and compression facilities we operate. Approximately 88% of the gas gathered at these facilities is produced from wells that we operate. Current throughput at the processing plant is 10-17 mmcf/d and sufficient capacity remains for additional large-scale development drilling.

Formed during the late Cretaceous to Eocene periods, the Uinta basin is a mature, light-oil-prone play located primarily in Duchesne and Uintah Counties of Utah and covers more than 15,000 square miles. Exploration efforts immediately after the Second World War led to the first commercial oil discoveries in the Uinta basin. Oil was discovered in, and produced from, fluvial to lacustrine sandstones of the Green River formation in these early discoveries. The application of improved hydraulic stimulation techniques in the mid-2000s greatly increased production from the Uinta basin. As reported by the Utah Department of Natural Resources, total Utah oil production more than doubled from 36 mbb/d in 2003 to 97 mbb/d in 2021. Approximately 87% of Utah's oil production in 2021 came from the Uinta basin in Duchesne and Uintah counties.

In February 2022, we completed the acquisition of oil and gas producing assets in the Antelope Creek area of Utah. These assets are adjacent to our existing Uinta assets.

Our Well Servicing and Abandonment Business

On October 1, 2021, we completed the acquisition of one of the largest upstream well servicing and abandonment businesses in California, which operates as C&J Well Services and now constitutes our well servicing and abandonment business segment. CJWS provides wellsite services in California to oil and natural gas production companies, with a focus on well servicing, well abandonment services and water logistics. CJWS' services include rig-based and coiled tubing-based well maintenance and workover services, recompletion services, fluid management services, fishing and rental services, and other ancillary oilfield services. Additionally, CJWS performs plugging and abandonment services on wells at the end of their productive life, which we believe creates a strategic growth opportunity for Berry. CJWS is a synergistic fit with the services required by our oil and gas operations and supports our commitment to be a responsible operator and reduce our emissions, including through the proactive plugging and abandonment of wells. Additionally, CJWS is critical to advancing our strategy to work with the State of California to reduce fugitive emissions—including methane and carbon dioxide—from idle wells. According to independent sources, there are approximately 35,000 idle wells estimated to be in California, of which

approximately 5,000 are believed to be orphaned idle wells. With CJWS' expertise and experience in well abandonment, we have an opportunity to capture both state and federal funds to help remediate orphaned idle wells that are a burden on the State of California, in addition to safely plugging and abandoning idle wells for CJWS' customers.

Through CJWS, we operate a fleet of 72 well servicing rigs, also commonly referred to as a workover rig, and related equipment. These services are performed to establish, maintain and improve production throughout the productive life of an oil and natural gas well and to plug and abandon a well at the end of its productive life. Our well servicing business performs various services to establish, maintain and improve production throughout the productive life of an oil and natural gas well, which include:

- Maintenance work involving removal, repair and replacement of down-hole equipment and components, and returning the well to production after these operations are completed;
- Well workovers which potentially include deepening, sidetracks, adding productive zones, isolating intervals, or repairing casings required by the operation into and out of the well, or removing equipment from the wellbore; and
- Plugging and abandonment services when a well has reached the end of its productive life.

Regular maintenance is required throughout the life of a well to sustain optimal levels of oil and natural gas production. Regular maintenance currently comprises the largest portion of our well services work, and because ongoing maintenance spending is required to sustain production, we have historically experienced relatively stable demand for these services.

In addition to periodic maintenance, producing oil and natural gas wells occasionally require major repairs or modifications called workovers, which are typically more complex and more time consuming than maintenance operations. The demand for workover services is sensitive to oil and natural gas producers' intermediate and long-term expectations for oil and natural gas prices. As oil and natural gas prices increase, the level of workover activity tends to increase as oil and natural gas producers seek to increase output by enhancing the efficiency of their wells.

Well servicing rigs are also used in the process of permanently closing oil and natural gas wells no longer capable of producing in economic quantities. Plugging and abandonment work can provide favorable operating margins and is less sensitive to oil and natural gas prices than drilling and workover activity since well operators must plug a well in accordance with state regulations when it is no longer productive.

Our water logistics business utilizes our fleet of 247 water logistics trucks and related assets, including specialized tank trucks, storage tanks and other related equipment. These assets provide, transport, and store a variety of fluids, as well as provide maintenance services. These services are required in most workover and remedial projects and are routinely used in daily producing well operations. We also have approximately 1,370 pieces of rental equipment on our water logistics side.

Our Assets and Production Information

For the year ended December 31, 2022, we had average net production of approximately 26.1 mboe/d, of which approximately 92% was oil and approximately 82% was in California. In California, our average production for the year ended December 31, 2022 was 21.3 mboe/d, of which 100% was oil. Our 2021 California production included our previously owned Placerita operations, which contributed an average daily production of 0.7 mboe/d for 2021. We divested the Placerita operations in late 2021. We also divested all of our properties in the Piceance basin of Colorado in January 2022, which had production of 1.2 mboe/d in 2021. In February 2022, we completed the acquisition of oil and gas producing assets in the Antelope Creek area of Utah. These assets are adjacent to our existing Uinta assets and contributed an average daily production of approximately 1.0 mboe/d for 2022.

The table below summarizes our average net daily production for the years ended December 31, 2022 and 2021:

	Average Net Daily Production ⁽¹⁾ for the Year Ended December 31,			
	2022		2021	
	(mboe/d)	Oil (%)	(mboe/d)	Oil (%)
California ⁽²⁾	21.3	100 %	22.0	100 %
Utah ⁽³⁾	4.7	58 %	4.2	51 %
	26.0	92 %	26.2	88 %
Colorado ⁽⁴⁾	0.1	— %	1.2	2 %
Total	26.1	92 %	27.4	88 %

(1) Production represents volumes sold during the period.

(2) Includes production for Placerita properties through the end of October 2021 when they were divested. These properties had average daily production in 2021 of approximately 700 boe/d.

(3) Includes production for Antelope Creek area, which was acquired in February 2022. These properties had average production for 2022 of approx 1.0 mboe/d.

(4) Our properties in Colorado were in the Piceance basin, all of which were all divested in January 2022.

Production Data

The following table sets forth information regarding production for the years ended December 31, 2022 and 2021.

	Year Ended December 31,	
	2022	2021
Average daily production⁽¹⁾:		
Oil (m bbl/d)	24.0	24.2
Natural gas (mmcf/d)	10.2	17.1
NGLs (m bbl/d)	0.4	0.4
Total (mboe/d) ⁽²⁾	26.1	27.4

(1) Production represents volumes sold during the period. We also consume a portion of the natural gas we produce on lease to extract oil and gas.

(2) Natural gas volumes have been converted to boe based on energy content of six mcf of gas to one bbl of oil. Barrels of oil equivalence does not necessarily result in price equivalence. The price of natural gas on a barrel of oil equivalent basis is currently substantially lower than the corresponding price for oil and has been similarly lower for a number of years. For example, in the year ended December 31, 2022, the average prices of Brent oil and Henry Hub natural gas were \$99.04 per bbl and \$6.45 per mcf, respectively.

Our Development Inventory

We have an extensive inventory of low-geologic risk, high-return development opportunities. As of December 31, 2022, we identified 9,813 proven and unproven gross drilling locations across our asset base. For a discussion of how we identify drilling locations, please see “—Our Reserves—Determination of Identified Drilling Locations.”

We operate approximately 97% of our producing wells. In addition, a substantial majority of our acreage is currently held by production and fee interest, including 91% of our acreage in California. As of December 31, 2022, the combined net acreage covered by leases expiring in the next three years represented approximately 2% of our total net acreage, of which 55% is in Utah. Our high degree of operational control, together with the large portion of

our acreage that is held by production, and the speed with which we are able to drill and complete our wells in California gives us flexibility over the execution of our development program, including the timing, amount and allocation of our capital expenditures, technological enhancements and marketing of production.

The following table summarizes certain information concerning our active producing and identified development assets as of December 31, 2022:

	Acreage		Net Acreage Held By Production and Fee Interest(%)	Producing Wells, Gross ⁽³⁾	Average Working Interest (%) ⁽⁴⁾	Net Revenue Interest (%) ⁽⁵⁾	Identified Drilling Locations ⁽⁶⁾	
	Gross	Net ⁽¹⁾⁽²⁾					Gross	Net
California	19,421	15,098	91 %	2,214	97 %	95 %	8,527	7,186
Utah	111,930	101,494	92 %	1,232	96 %	79 %	1,286	1,209
Total	<u>131,351</u>	<u>116,592</u>	92 %	<u>3,446</u>	97 %	88 %	<u>9,813</u>	<u>8,395</u>

(1) Represents our weighted-average interest in our acreage.

(2) Of which approximately 12% are BLM acres in California and 28% are BLM acres in Utah.

(3) Includes 406 steamflood and waterflood injection wells in California and Utah.

(4) Represents our weighted-average working interest in our active wells.

(5) Represents our weighted-average net revenue interest for the year ended December 31, 2022.

(6) Our total identified drilling locations include approximately 935 gross (928 net) locations associated with PUDs as of December 31, 2022, including 200 gross (198 net) steamflood injection wells. Please see “—Our Reserves—Determination of Identified Drilling Locations” for more information regarding the process and criteria through which we identified our drilling locations.

Our Reserves

Reserve Data

As of December 31, 2022, we had estimated total proved reserves of 110 mmbbl, an increase from 97 mmbbl, as of December 31, 2021. Our overall proved reserves increased 23 mmbbl, or 24% in 2022, before production of 10 mmbbl, the majority of which is due to extensions, as we added significant PUD locations throughout our properties. We replaced 236% of our 2022 production with additional proved reserves.

The majority of our reserves are composed of crude oil in shallow, long-lived reservoirs. As of December 31, 2022, the standardized measure of discounted future net cash flows of our proved reserves and the PV-10 of our proved reserves were approximately \$2.1 billion and \$2.6 billion, respectively. These values represent significant increases from the prior year end of \$1.2 billion and \$1.5 billion. PV-10 is a financial measure that is not calculated in accordance with U.S. generally accepted accounting principles (“GAAP”). For a definition of PV-10 and a reconciliation to the standardized measure of discounted future net cash flows, please see in “—PV-10” below. As of December 31, 2022, approximately 76% of our proved reserves and approximately 85% of the PV-10 value of our proved reserves are derived from our assets in California. We also have approximately 24% of our proved reserves and approximately 15% of the PV-10 value in the Uinta basin in Utah, a mature, light-oil-prone play with significant undeveloped resources.

The tables below summarize our estimated proved reserves and related PV-10 by category as of December 31, 2022:

Proved Reserves as of December 31, 2022 ⁽¹⁾								
	Oil (mmbbl)	Natural Gas (bcf)	NGLs (mmbbl)	Total (mmboe) ⁽²⁾	% of Proved	% Proved Developed	Capex ⁽³⁾ (\$MM)	PV-10 ⁽⁴⁾ (\$MM)
PDP	46	38	1	53	49 %	86 %	29	1,366
PDNP	8	6	—	9	8 %	14 %	66	219
PUD	45	15	1	48	43 %	— %	611	1,039
Berry total proved reserves	99	59	2	110	100 %	100 %	706	2,624
California total proved reserves	84	—	—	84			512	2,240

- (1) Our estimated net reserves were determined using average first-day-of-the-month prices for the prior 12 months in accordance with SEC guidance. The unweighted arithmetic average first-day-of-the-month prices for the prior 12 months were \$100.25 per bbl Brent for oil and natural gas liquids (“NGLs”) and \$6.40 per mmbtu Henry Hub for natural gas at December 31, 2022. The volume-weighted average realized prices over the lives of the properties were estimated at \$91.33 per bbl of oil and condensate, \$48.76 per bbl of NGLs and \$6.76 per mcf of gas. The prices were held constant for the lives of the properties and we took into account pricing differentials reflective of the market environment. Prices were calculated using oil and natural gas price parameters established by current SEC guidelines and accounting rules, including adjustment by lease for quality, fuel deductions, geographical differentials, marketing bonuses or deductions and other factors affecting the price received at the wellhead. Please see “—Our Reserves—PV-10” below.
- (2) Estimated using a conversion ratio of six mcf of natural gas to one bbl of oil.
- (3) Represents undiscounted future capital expenditures estimated as of December 31, 2022.
- (4) PV-10 is a financial measure that is not calculated in accordance with GAAP. For a definition of PV-10 and a reconciliation to the standardized measure of discounted future net cash flows, please see “—Our Reserves—PV-10” below. PV-10 does not give effect to derivatives transactions.

The following table summarizes our estimated proved reserves and related PV-10 by area as of December 31, 2022. The reserve estimates presented in the table below are based on reports prepared by DeGolyer and MacNaughton. The reserve estimates were prepared in accordance with current SEC rules and regulations regarding oil, natural gas and NGL reserve reporting. Reserves are stated net of applicable royalties.

	Proved Reserves as of December 31, 2022 ⁽¹⁾		
	California (San Joaquin basin)	Utah (Uinta basin)	Total
Proved developed reserves:			
Oil (mmbbl)	43	11	54
Natural gas (bcf)	—	44	44
NGLs (mmbbl)	—	1	1
Total (mmboe) ⁽²⁾⁽³⁾	43	19	62
Proved undeveloped reserves:			
Oil (mmbbl)	41	4	45
Natural gas (bcf)	—	15	15
NGLs (mmbbl)	—	1	1
Total (mmboe) ⁽³⁾	41	7	48
Total proved reserves:			
Oil (mmbbl)	84	15	99
Natural gas (bcf)	—	59	59
NGLs (mmbbl)	—	2	2
Total (mmboe) ⁽³⁾	84	26	110
PV-10 (\$million)	\$ 2,240	\$ 384	\$ 2,624

- (1) Our estimated net reserves were determined using average first-day-of-the-month prices for the prior 12 months in accordance with SEC guidance. The unweighted arithmetic average first-day-of-the-month prices for the prior 12 months were \$100.25 per bbl Brent for oil and NGLs and \$6.40 per mmbtu Henry Hub for natural gas at December 31, 2022. The volume-weighted average realized prices over the lives of the properties were \$91.33 per bbl of oil and condensate, \$48.76 per bbl of NGLs and \$6.76 per mcf. The prices were held constant for the lives of the properties and we took into account pricing differentials reflective of the market environment. Prices were calculated using oil and natural gas price parameters established by current guidelines of the SEC and accounting rules including adjustments by lease for quality, fuel deductions, geographical differentials, marketing bonuses or deductions and other factors affecting the price received at the wellhead. For more information regarding commodity price risk, please see “Item 1A. Risk Factors—Risks Related to Our Operations and Industry—Oil, natural gas and NGL prices are volatile and directly affect our results.”
- (2) For proved developed reserves approximately 14% of total and 14% of oil are non-producing.
- (3) Natural gas volumes have been converted to boe based on energy content of six mcf of gas to one bbl of oil. Barrels of oil equivalence does not necessarily result in price equivalence. The price of natural gas on a barrel of oil equivalent basis is currently substantially lower than the corresponding price for oil and has been similarly lower for a number of years. For example, in the years ended December 31, 2022 and December 31, 2021, the average prices of Brent oil and Henry Hub natural gas were \$99.04 and \$70.95 per bbl and \$6.45 and \$3.89 per mcf, respectively.

PV-10

PV-10 is a non-GAAP financial measure, which is widely used by the industry to understand the present value of oil and gas companies. It represents the present value of estimated future cash inflows from proved oil and gas reserves, less future development and production costs, discounted at 10% per annum to reflect the timing of future cash flows and does not give effect to derivative transactions or estimated future income taxes. Management believes that PV-10 provides useful information to investors because it is widely used by analysts and investors in evaluating oil and natural gas companies. Because there are many unique factors that can impact an individual company when estimating the amount of future income taxes to be paid, management believes the use of a pre-tax measure is valuable for evaluating the Company. PV-10 should not be considered as an alternative to the standardized measure of discounted future net cash flows as computed under GAAP.

The following table provides a reconciliation of PV-10 of our proved reserves to the standardized measure of discounted future net cash flows at December 31, 2022:

	<u>At December 31, 2022</u>
	<u>(in millions)</u>
California PV-10	\$ 2,240
Utah PV-10	384
Total Company PV-10	<u>2,624</u>
Less: present value of future income taxes discounted at 10%	(550)
Standardized measure of discounted future net cash flows	<u>\$ 2,074</u>

Proved Reserves Additions

Our overall proved reserves increased 23 mmboe, or 24%, before production. A majority of this increase was a result of adding extensions, as we added significant PUD locations throughout our properties. We replaced 236% of our production with additional proved reserves. The total changes to our proved reserves from December 31, 2021 to December 31, 2022 were as follows:

	<u>California (San Joaquin basin)</u>	<u>Utah (Uinta basin)</u>	<u>Colorado (Piceance basin)</u>	<u>Total</u>
	<u>(in mmboe)⁽¹⁾</u>			
Beginning balance as of December 31, 2021	79	14	4	97
Extensions and discoveries	20	6	—	26
Revisions of previous estimates	(7)	1	—	(6)
Purchases of minerals in place ⁽²⁾	—	7	—	7
Sales of minerals in place ⁽³⁾	—	—	(4)	(4)
Current year production	(8)	(2)	—	(10)
Ending balance as of December 31, 2022	<u>84</u>	<u>26</u>	<u>—</u>	<u>110</u>

(1) Natural gas volumes have been converted to boe based on energy content of six mcf of gas to one bbl of oil. Barrels of oil equivalence does not necessarily result in price equivalence. The price of natural gas on a barrel of oil equivalent basis is currently substantially lower than the corresponding price for oil and has been similarly lower for a number of years. For example, in the years ended December 31, 2022 and December 31, 2021, the average prices of Brent oil and Henry Hub natural gas were \$99.04 and \$70.95 per bbl and \$6.45 and \$3.89 per mcf, respectively.

(2) In February 2022, we acquired Antelope Creek in Utah.

(3) In January 2022, we divested our Piceance basin properties in Colorado.

Extensions. During 2022, we added 26 mmboe of proved reserves from extensions in our California and Utah properties due to an increase in our proved acreage based on drilling results for the year.

Revisions of previous estimates.

Revisions related to price - Product price changes affect the proved reserves we record. For example, in certain price environments, higher prices can increase the economically recoverable reserves in our operations when the extra margin extends their expected life and renders more projects economic. Conversely, when prices drop, we can experience the opposite effects. In 2022, our total net positive price revision was one mmboe in California and one mmboe in Utah.

Other revisions - Other revisions can include upward or downward changes to previous proved reserves estimates due to the evaluation or interpretation of recent geologic, production decline or operating performance

data. In 2022, we had negative other revisions of seven mmboe in California. The negative other revisions resulted primarily from a change in development plans in our thermal Diatomite in our North Midway-Sunset field.

Purchases of minerals in place. In February of 2022, we acquired Antelope Creek and we added seven mmboe of proved reserves in Utah.

Sale of minerals in place. In January of 2022, we divested our Piceance basin properties and removed approximately four mmboe of proved reserves in Colorado.

Current Year Production - Please refer to “Item 7. **Management’s Discussion and Analysis of Financial Condition and Results of Operations—Certain Operating and Financial Information**” for discussion of our current year production.

Proved Undeveloped Reserves Changes

Our California proved undeveloped reserves increased nine mmboe in 2022 largely due to extensions, partially offset by revisions. The total changes to our proved undeveloped reserves from December 31, 2021 to December 31, 2022 were as follows:

	California (San Joaquin and Ventura basins)	Utah (Uinta basin) ⁽²⁾	Colorado (Piceance basin) ⁽³⁾	Total
	(in mmboe) ⁽¹⁾			
Beginning balance as of December 31, 2021	32	1	—	33
Extensions and discoveries	19	6	—	25
Revisions of previous estimates	(8)	—	—	(8)
Reclassifications to proved developed	(2)	—	—	(2)
Ending balance as of December 31, 2022	41	7	—	48

(1) Natural gas volumes have been converted to boe based on energy content of six mcf of gas to one bbl of oil. Barrels of oil equivalence does not necessarily result in price equivalence. The price of natural gas on a barrel of oil equivalent basis is currently substantially lower than the corresponding price for oil and has been similarly lower for a number of years. For example, in the years ended December 31, 2022 and December 31, 2021, the average prices of Brent oil and Henry Hub natural gas were \$99.04 and \$70.95 per bbl and \$6.45 and \$3.89 per mcf, respectively.

(2) In February 2022, we acquired Antelope Creek of which all proved reserves were evaluated as proved developed.

(3) In January 2022, we divested our Piceance basin properties in Colorado.

Extensions. During 2022, we added 25 mmboe of proved undeveloped reserves from extensions based on drilling results from unproven locations in Hill Tulare, McKittrick, and Utah due to an increase in our proved acreage based on drilling results for the year.

Revisions of previous estimates.

Other revisions - In 2022, we had negative other revisions of eight mmboe, primarily as a result of our change in development plans of our thermal Diatomite operations in our California North Midway-Sunset field.

Reclassifications to proved developed. Compared to recent years, in 2022, we shifted a large portion of our development efforts from drilling to workovers, sidetracks and recompletions, which have high returns and capital efficiency. Additionally, we transferred approximately two mmboe of proved undeveloped reserves to the proved developed category in 2022, in connection with our development drilling activity, spending approximately \$30 million of capital. This 2022 capital intensity was higher than recent years as we increased our development focus in Utah based on the economic opportunities there, and Utah has deeper wells and thus higher drilling costs compared to California. The California development averaged under \$11 per boe in 2022. We expect to have sufficient future

capital to develop our proved undeveloped reserves at December 31, 2022 within five years. If prices decrease substantially below current levels for a prolonged period of time we may be required to reduce expected capital expenditures over the next five years, potentially impacting either the quantity or the development timing of proved undeveloped reserves. Our year-end proved undeveloped reserves are determined in accordance with SEC guidelines for development within five years. Management has made the necessary commitment and we expect to have sufficient future capital to develop all of our proved undeveloped reserves.

Reserves Evaluation and Review Process

Independent engineers, DeGolyer and MacNaughton (“D&M”), prepared our reserve estimates reported herein. The process performed by D&M to prepare reserve amounts included their estimation of reserve quantities, future production rates, future net revenue and the present value of such future net revenue, based in part on data provided by us. When preparing the reserve estimates, D&M did not independently verify the accuracy and completeness of the information and data furnished by us with respect to ownership interests, production, well test data, historical costs of operation and development, product prices, or any agreements relating to current and future operations of the properties and sales of production. However, if in the course of D&M's work, something came to their attention that brought into question the validity or sufficiency of any such information or data, they would not rely on such information or data until they had satisfactorily resolved their related questions. The estimates of reserves conform to SEC guidelines, including the criteria of “reasonable certainty,” as it pertains to expectations about the recoverability of reserves in future years. Under SEC rules, reasonable certainty can be established using techniques that have been proven effective by actual production from projects in the same reservoir or an analogous reservoir or by other evidence using reliable technology that establishes reasonable certainty. Reliable technology is a grouping of one or more technologies (including computational methods) that have been field tested and have been demonstrated to provide reasonably certain results with consistency and repeatability in the formation being evaluated or in an analogous formation. Proved reserves estimates are established using standard geological and engineering technologies and computational methods, which are generally accepted by the petroleum industry. The proved reserves additions are primarily prepared by production history or analogy, which use historical production and analogous type curves that are based on decline curve analysis. We further establish reasonable certainty of our proved reserves estimates using geological and geophysical information to establish reservoir continuity between penetrations, downhole completion information, electrical logs, radioactivity logs, core analyses, available seismic data, and historical well cost, operating expense and commodity revenue data.

D&M also prepared estimates with respect to reserves categorization, using the definitions of proved reserves set forth in Regulation S-X Rule 4-10(a) and subsequent SEC staff interpretations and guidance.

Our internal control over the preparation of reserves estimates is designed to provide reasonable assurance regarding the reliability of our reserves estimates in accordance with SEC regulations. The preparation of reserve estimates was overseen by our Executive Vice President of Business Development, who has a Masters in Geology from the University of South Carolina and a Bachelors in Geology from Carleton College, and more than 35 years of oil and natural gas industry experience. The reserve estimates were reviewed and approved by our senior engineering staff and management, and presented to our Board of Directors. Within D&M, the technical person primarily responsible for reviewing our reserves estimates is a Licensed Professional Engineer in the State of Texas, has a Master of Science and Doctor of Philosophy degrees in Petroleum Engineering and has more than 10 years of experience in oil and gas reservoir studies and reserves evaluations.

Reserve engineering is inherently a subjective process of estimating underground accumulations of oil, natural gas and NGLs that cannot be measured exactly. For more information, see “Item 1A. Risk Factors—**Risks Related to Our Operations and Industry—Estimates of proved reserves and related future net cash flows are not precise. The actual quantities of our proved reserves and future net cash flows may prove to be lower than estimated.**”

Determination of Identified Drilling Locations

Proven Drilling Locations

Based on our reserves report as of December 31, 2022, we have approximately 935 gross (928 net) drilling locations attributable to our proved undeveloped reserves. We increased our drilling locations attributable to proved undeveloped reserves in 2022, primarily due to an increase in our proved acreage based on drilling results. We use production data and experience gains from our development programs to identify and prioritize development of this proven drilling inventory. These drilling locations are included in our inventory only after they have been evaluated technically and are deemed to have a high likelihood of being drilled within a five-year time frame. As a result of technical evaluation of geologic and engineering data, it can be estimated with reasonable certainty that reserves from these locations are commercially recoverable in accordance with SEC guidelines. Management considers the availability of local infrastructure, drilling support assets, state and local regulations and other factors it deems relevant in determining such locations.

Unproven Drilling Locations

We have also identified a multi-year inventory of 8,878 gross (7,467 net) unproven drilling locations as of December 31, 2022. Our unproven drilling locations are specifically identified on a field-by-field basis considering the applicable geologic, engineering and production data. We analyze past field development practices and identify analogous drilling opportunities taking into consideration historical production performance, estimated drilling and completion costs, spacing and other performance factors. These drilling locations primarily include (i) infill drilling locations, (ii) additional locations due to field extensions or (iii) thermal recovery project expansions, some of which are currently in the pilot phase across our properties, but have yet to be determined to be proven locations. We believe the assumptions and data used to estimate these drilling locations are consistent with established industry practices based on the type of recovery process we are using. Please see “Regulation of Health, Safety and Environmental Matters” for additional discussion of the laws and regulations that impact our ability to drill and develop our assets, including regulatory approval and permitting requirements.

We plan to analyze our acreage for exploration drilling opportunities at appropriate levels. We expect to use internally generated information and proprietary models consisting of data from analog plays, 3-D seismic data, open hole and mud log data, cores and reservoir engineering data to help define the extent of the targeted intervals and the potential ability of such intervals to produce commercial quantities of hydrocarbons.

Well Spacing Determination

Our well spacing determinations in the above categories of identified well locations are based on actual operational spacing within our existing producing fields, which we believe are reasonable for the particular recovery process employed (i.e., primary, waterflood and thermal recovery). Spacing intervals can vary between various reservoirs and recovery techniques. Our development spacing can be less than one acre for a thermal steamflood development in California.

Drilling Schedule

Our identified drilling locations have been scheduled as part of our current multi-year drilling schedule or are expected to be scheduled in the future. However, we may not drill our identified sites at the times scheduled or at all. We view the risk profile for our prospective drilling locations and any exploration drilling locations we may identify in the future as being higher than for our other proved drilling locations.

Our ability to drill and develop our identified drilling locations profitably or at all depends on a number of variables, many of which are outside of our control, including crude oil and natural gas prices, the availability of capital, costs, drilling results, regulatory approvals and permits, available transportation capacity and other factors. If future drilling results in these projects do not establish sufficient reserves to achieve an economic return, we may curtail drilling or development of these projects. For a discussion of the risks associated with our drilling program,

see “Item 1A. Risk Factors—**Risks Related to Our Operations and Industry**—*We may not drill our identified sites at the times we scheduled or at all.*”

The table below sets forth our proved undeveloped drilling locations and unproven drilling locations as of December 31, 2022.

	PUD Drilling Locations (Gross)	Unproven Drilling Locations (Gross)	Total Drilling Locations (Gross)
	Oil, Natural Gas Wells and Injection Wells	Oil, Natural Gas and Injection Wells	Oil, Natural Gas and Injection Wells
California	847	7,680	8,527
Utah	88	1,198	1,286
Total Identified Drilling Locations	935	8,878	9,813

The following tables sets forth information regarding production volumes for fields with equal to or greater than 15% of our total proved reserves for each of the periods indicated:

	Year Ended December 31,		
	2022	2021	2020
SJV Midway Sunset			
Total production⁽¹⁾:			
Oil (mbbls)	5,630	5,666	5,933
Natural gas (bcf)	—	—	—
NGLs (mbbls)	—	—	—
Total (mboe) ⁽²⁾	5,630	5,666	5,933

	Year Ended December 31,		
	2022	2021	2020
SJV Belridge Hill			
Total production⁽¹⁾:			
Oil (mbbls)	1,551	1,505	1,280
Natural gas (bcf)	—	—	—
NGLs (mbbls)	—	—	—
Total (mboe) ⁽²⁾	1,551	1,505	1,280

	Year Ended December 31,		
	2022	2021	2020
Uinta			
Total production⁽¹⁾:			
Oil (mbbls)	1,010	*	*
Natural gas (bcf)	3,502	*	*
NGLs (mbbls)	144	*	*
Total (mboe) ⁽²⁾	1,737		

* Represented less than 15% of our total proved reserves for the periods indicated.

(1) Production represents volumes sold during the period.

- (2) Natural gas volumes have been converted to boe based on energy content of six mcf of gas to one bbl of oil. Barrels of oil equivalence does not necessarily result in price equivalence. The price of natural gas on a barrel of oil equivalent basis is currently substantially lower than the corresponding price for oil and has been similarly lower for a number of years. For example, in the years ended December 31, 2022 and December 31, 2021, the average prices of Brent oil and Henry Hub natural gas were \$99.04 and \$70.95 per bbl and \$6.45 and \$3.89 per mcf, respectively.

Productive Wells

As of December 31, 2022, we had a total of 3,450 gross (3,332 net) productive wells (including 406 gross and 405 net steamflood and waterflood injection wells), approximately 100% of which were oil wells. Our average working interests in our productive wells is approximately 97%. All of our Uinta basin oil wells produce associated gas and NGLs. We were participating in 16 steamflood projects and one waterflood project located in the San Joaquin basin, and one waterflood project located in the Uinta basin as of the end of 2022.

The following table sets forth our productive oil and natural gas wells (both producing and capable of producing) as of December 31, 2022.

	California (San Joaquin basin)	Utah (Uinta basin)⁽³⁾	Total
Oil			
Gross ⁽¹⁾	2,215	1,235	3,450
Net ⁽²⁾	2,144	1,188	3,332
Gas⁽⁴⁾			
Gross ⁽¹⁾	—	—	—
Net ⁽²⁾	—	—	—

- (1) The total number of wells in which interests are owned. Includes a total of 406 steamflood and waterflood injection wells with 395 in California and 11 in Utah.
- (2) The sum of fractional interests.
- (3) Includes wells in the Antelope Creek area that were acquired in February 2022.
- (4) In Utah we have associated gas in a portion of our oil wells, which are reported as oil wells.

Acreage

The following table sets forth certain information regarding the total developed and undeveloped acreage in which we owned an interest as of December 31, 2022.

	California (San Joaquin basin)	Utah (Uinta)	Total
Developed⁽¹⁾			
Gross ⁽²⁾	7,135	46,987	54,122
Net ⁽³⁾	7,110	45,227	52,337
Undeveloped⁽⁴⁾			
Gross ⁽²⁾	12,286	64,943	77,229
Net ⁽³⁾	7,988	56,267	64,255

- (1) Acres spaced or assigned to productive wells.
- (2) Total acres in which we hold an interest.
- (3) Sum of fractional interests owned based on working interests or interests under arrangements similar to production sharing contracts.
- (4) Acres on which wells have not been drilled or completed to a point that would permit the production of commercial quantities of oil and natural gas, regardless of whether the acreage contains proved reserves.

Participation in Wells Being Drilled

As of December 31, 2022, we were not participating in any uncompleted wells.

Drilling Activity

The following table shows the net development wells we drilled during the periods indicated, which include delineation and temperature observation wells per our development plan. We did not drill any exploratory wells during the periods presented. The information should not be considered indicative of future performance, nor should it be assumed that there is necessarily any correlation among the number of productive wells drilled, quantities of reserves found or economic value.

	California (San Joaquin and Ventura basins ⁽³⁾)	Utah (Uinta basin)	Colorado (Piceance basin ⁽⁴⁾)	Total
2022				
Oil ⁽¹⁾⁽²⁾	72	13	—	85
Natural Gas	—	—	—	—
Dry	—	—	—	—
2021				
Oil ⁽¹⁾	181	10	—	191
Natural Gas	—	—	—	—
Dry	—	—	—	—
2020				
Oil ⁽¹⁾⁽²⁾	45	—	—	45
Natural Gas	—	—	—	—
Dry	—	—	—	—

(1) Includes injector wells.

(2) Includes 12 and 50 wells that had not yet been connected to gathering systems in California in 2022 and 2020, respectively.

(3) Effective October 2021, we completed the sale of our Placerita Field property in the Ventura Basin in Los Angeles County, California, which included one well in 2020 and zero wells in 2021.

(4) In January 2022, we divested our Piceance basin properties in Colorado.

Delivery Commitments

We have contractual agreements to provide gas volumes for processing, some of which specify fixed and determinable quantities and all of which were in Utah. As of December 31, 2022, the volumes contracted to be processed were approximately 4,560 mcf/d through March 2024. We have significantly more production than the amounts committed for delivery and have the ability to secure additional volumes of products as needed.

Methods of Recovery and Marketing Arrangements

We seek to be the operator of our properties so that we can develop and implement drilling programs and optimization projects that not only replace production but add value through reserve and production growth and future operational synergies. We have an average of 97% working interest for operated wells and 98% operating control in our properties.

Our California operations are primarily focused on the thermal Sandstones, thermal Diatomite and Hill Diatomite development areas. We also have operations in the Uinta basin in Utah, as noted in the following table.

State	Project Type	Well Type	Completion Type	Recovery Mechanism
California	Thermal Sandstones	Vertical / Horizontal	Perforation/Slotted liner/gravel pack	Continuous and cyclic steam injection
California	Thermal Diatomite	Vertical	Short interval perforations	High-pressure cyclic steam injection
California	Hill Diatomite (non-thermal)	Vertical	Hydraulic stimulation, low intensity pin point	Pressure depletion augmented with water injection
Utah	Uinta	Vertical / Horizontal	Low intensity hydraulic stimulation	Pressure depletion

Enhanced Oil Recovery

Most of our assets in California consist of heavy crude oil, which requires heat, supplied in the form of steam, injected into the oil producing formations to reduce the oil viscosity, thereby allowing the oil to flow to the wellbore for production. We have cyclic and continuous steam injection projects in the San Joaquin basin, all in Kern County and in fields such as Midway-Sunset, South Belridge, McKittrick, and Poso Creek. This technique has many years of demonstrated success in thousands of wells drilled by us and others. Historically, we start production from heavy oil reservoirs with cyclic injection and then expand operations to include continuous injection in adjacent wells. We intend to continue employing both recovery techniques as long as a favorable oil to gas price spread exists. Full development of these projects typically takes multiple years and involves upfront infrastructure construction for steam and water processing facilities and follow on development drilling. These thermal recovery projects are generally shallower in depth (600 to 2,500 ft) than our other programs and the wells are relatively inexpensive to drill and complete at approximately \$500,000 per well. Therefore, we can normally implement a drilling program quickly with attractive rates of return.

Cogeneration Steam Supply and Conventional Steam Generation

We produce oil from heavy crude reservoirs using steam to heat the oil so that it will flow to the wellbore for production. To assist in this operation, we own and operate four natural gas burning cogeneration plants that produce electricity and steam: (i) a 38 MW facility (“Cogen 38”), an 18 MW facility (“Cogen 18”) and a 5 MW facility (“Pan Fee Cogen”), each located in the Midway-Sunset Field and (ii) another 5MW facility (“21Z Cogen”) located in the McKittrick Field. Cogeneration plants, also referred to as combined heat and power plants, use hot turbine exhaust to produce steam while generating electrical power. This combined process is more efficient than producing power or steam separately. For more information please see “—Electricity.” and “Item 1A. Risk Factors—**Risks Related to Our Operations and Industry—We are dependent on our cogeneration facilities to produce steam for our operations. Contracts for the sale of surplus electricity, economic market prices and regulatory conditions affect the economic value of these facilities to our operations.**”

We own 62 fully permitted conventional steam generators. The number of generators operated at any point in time is dependent on (i) the steam volume required to achieve our targeted injection rate and (ii) the price of natural gas compared to our oil production rate and the realized price of oil sold. Ownership of these varied steam generation facilities allows for maximum operational control over the steam supply, location and, to some extent, the

aggregated cost of steam generation. The natural gas we purchase to generate steam and electricity is primarily based on Rockies price indexes, including transportation charges, as we currently purchase a substantial majority of our gas needs from the Rockies, with the balance purchased in California.

Marketing Arrangements

We market crude oil, natural gas, NGLs, gas purchasing and electricity.

Crude Oil. Approximately 92% of our California crude oil production is connected to California markets via crude oil pipelines. We generally do not transport, refine or process the crude oil we produce and do not have any long-term crude oil transportation arrangements in place. California oil prices are Brent-influenced as California refiners import approximately 70% of the state's demand from OPEC+ countries and other waterborne sources. This dynamic has led to periods, including recent years, where the price for the primary benchmark, Midway-Sunset, a 13° API heavy crude, has been equal to or exceeded the price for WTI, a light 40° API crude. Without the higher costs associated with importing crude via rail or supertanker, we believe our in-state production and low transportation costs, coupled with Brent-influenced pricing, will allow us to continue to realize strong cash margins in California. Our oil production is primarily sold under market-sensitive contracts that are typically priced at a differential to purchaser-posted prices for the producing area. We sell all of our oil production under short-term contracts. The waxy quality of oil in Utah has historically limited sales primarily to the Salt Lake City market, which is largely dependent on the supply and demand of oil in the area. The recent success of a tight oil play in the basin has increased supply and put downward pressure on physical oil prices. Due to these circumstances, we are endeavoring to sell our crude to markets outside the basin. Export options to other markets via rail are available and have been used in the past, but are comparatively expensive. We also entered into oil hedges to protect our operating expenses and other costs from price fluctuations.

Natural Gas. Our natural gas production is primarily sold under market-sensitive contracts that are typically priced at a differential to the published natural gas index price for the producing area. Our natural gas production is sold to purchasers under seasonal spot price or index contracts. We sell all of our natural gas and NGL production under short-term contracts at market-sensitive or spot prices. In certain circumstances, we have entered into natural gas processing contracts whereby the residual natural gas is sold under short-term contracts but the related NGLs are sold under long-term contracts. In all such cases, the residual natural gas and NGLs are sold at market-sensitive index prices.

NGLs. We do not have long-term or long-haul interstate NGL transportation agreements. We sell substantially all of our NGLs to third parties using market-based pricing. Our NGL sales are generally pursuant to processing contracts or short-term sales contracts.

Gas Purchasing. We enter into hedges for gas purchases to protect our operating expenses from price fluctuations. We also have long-term pipeline capacity agreements for the shipment of natural gas from the Rockies to our assets in California that help reduce our exposure to fuel gas purchase price fluctuations.

Electricity Generation. Our cogeneration facilities generate both electricity and steam for our properties and electricity for off-lease sales. The total nameplate electrical generation capacity of our four cogeneration facilities, which are centrally located on certain of our oil producing properties, is approximately 66 MW. The steam generated by each facility is capable of being delivered to numerous wells that require steam for our thermal recovery processes. The main purpose of the cogeneration facilities is to reduce the steam and electricity costs in our heavy oil operations.

Electricity and steam produced from our Pan Fee Cogen and 21Z Cogen facilities are used solely for field operations.

For the year ended December 31, 2022, we sold approximately 1,005 megawatt-hours ("MWhs") per day of cogeneration power into the grid and on average consumed approximately 293 MWhs per day of cogeneration power for lease operations. The four cogeneration facilities produced an average of approximately 24,000 barrels of

steam per day. Contracts for the sale of surplus electricity, economic market prices and regulatory conditions affect the economic value of these facilities to our operations.

Electricity Sales Contracts. We sell electricity produced by one of our cogeneration facilities under a long-term PPA approved by the California Public Utilities Commission (the “CPUC”) to a California investor-owned utility, Pacific Gas and Electric (“PG&E”). The PPA expires in November 2026.

Principal Customers

For the year ended December 31, 2022, sales to PBF Holding, Tesoro Refining and Marketing, and Phillips 66, accounted for approximately 33%, 16%, and 10%, respectively, of our sales. At December 31, 2022, trade accounts receivable from three customers represented approximately 33%, 16%, and 13% of our receivables.

If we were to lose any one of our major oil and natural gas purchasers, the loss could cease or delay production and sale of our oil and natural gas in that particular purchaser’s service area and could have a detrimental effect on the prices and volumes of oil, natural gas and NGLs that we are able to sell. For more information related to marketing risks, see “Item 1A. Risk Factors—**Risks Related to Our Operations and Industry**”.

Title to Properties

As is customary in the oil and natural gas industry, we initially conduct only a preliminary review of the title to our properties at the time of acquisition. Prior to the commencement of drilling operations on those properties, we conduct a more thorough title examination and perform curative work with respect to significant defects. We do not commence drilling operations on a property until we have cured known title defects on such property that are material to the project. Individual properties may be subject to burdens that we believe do not materially interfere with the use or affect the value of the properties. Burdens on properties may include customary royalty interests, liens incident to operating agreements and for current taxes, obligations or duties under applicable laws, development obligations, or net profits interests.

Competition

The oil and natural gas industry is highly competitive. In our upstream E&P business, we historically encounter strong competition from other companies, including independent operators in acquiring properties, contracting for drilling and other related services, and securing trained personnel. We also are affected by competition for drilling rigs and related equipment. In the past, the oil and natural gas industry has experienced shortages of drilling rigs, equipment, pipe and personnel, which has delayed development drilling and has caused significant price increases. The lower-cost, commoditized nature of our equipment and service providers partially insulates us from the cost inflation pressures experienced by producers in unconventional plays. We are unable to predict when, or if, such shortages may occur or how they would affect our drilling program.

Through CJWS we provide services in the California market where our competitors are comprised of both small regional contractors as well as larger companies with international operations. CJWS’ revenues and earnings can be affected by several factors, including changes in competition, fluctuations in drilling and completion activity by its customers, perceptions of future prices of oil and gas, government regulation, disruptions caused by weather, pandemics and general economic conditions. We believe that the principal competitive factors are price, performance, service quality, safety, and response time. For more information regarding competition and the related risks in the oil and natural gas industry, please see “Item 1A. Risk Factors—**Risks Related to Our Operations and Industry—*Competition in the oil and natural gas industry is intense, making it more difficult for us to acquire properties, market oil or natural gas and secure trained personnel.***”

We also face indirect competition from alternative energy sources, such as wind or solar power, and these alternative energy sources could become even more competitive as California and the federal government develop renewable energy and climate-related policies.

Seasonality

Seasonal weather conditions have in the past, and in the future likely will, impact our drilling, production and well servicing activities. Extreme weather conditions can pose challenges to meeting well-drilling and completion objectives and production goals. Seasonal weather can also lead to increased competition for equipment, supplies and personnel, which could lead to shortages and increased costs or delayed operations. Our operations have been, and in the future could be, impacted by ice and snow in the winter, especially in Utah, and by electrical storms and high temperatures in the spring and summer, as well as by wildfires and rain. Additionally, unusually heavy rains or extreme temperatures can cause flooding and power outages which could adversely impact our ability to operate, particularly in California. For example, in December of 2022, unusually poor weather caused operational challenges, production downtime, and much higher natural gas prices in California. The extreme, adverse weather conditions have continued in the first quarter of 2023 and impacted our production.

Among other factors, extreme cold weather conditions drove high natural gas prices in 2022. In California we experienced a significant increase in mid-December 2022, with gas prices briefly as high as \$50.79 per mmbtu. We quickly pivoted and reduced our gas consumption in California by temporarily shutting-down one of our cogeneration facilities and reducing steam generation in other parts of our operation, which negatively impacted production. We seek to mitigate a substantial portion of the gas purchase exposure for our cogeneration plants by selling excess electricity from our cogeneration operations to third parties at prices linked to the price of natural gas. Aside from the impact gas prices have on electricity prices, these sales are generally higher in the summer months as they include seasonal capacity amounts. Based on market prices and current and projected supply and demand balances, our current expectation is that natural gas prices in California will continue to remain elevated through the first half of 2023 and begin to weaken in the middle of 2023. Our hedging strategy coupled with our midstream access to gas from the Rockies also helps mitigate the impact of the high natural gas prices on our cost structure.

Regulatory Matters

Regulation of the Oil and Gas Industry

Like other companies in the oil and gas industry, our operations are subject to a wide range of complex federal, state and local laws and regulations. California, where most of our operations and assets are located, is one of the most heavily regulated states in the United States with respect to oil and gas operations. A combination of federal, state and local laws and regulations govern most aspects of exploration, development and production in California, including:

- oil and natural gas production, including siting and spacing of wells and facilities on federal, state and private lands with associated conditions or mitigation measures;
- methods of constructing, drilling, completing, stimulating, operating, inspecting, maintaining and abandoning wells;
- the design, construction, operation, inspection, maintenance and decommissioning of facilities, such as natural gas processing plants, power plants, compressors and liquid and natural gas pipelines or gathering lines;
- techniques for improved or enhanced recovery, such as steam or fluid injection for pressure management;
- the sourcing and disposal of water used in the drilling, completion, stimulation, maintenance and improved or enhanced recovery processes;
- the posting of bonds or other financial assurance to drill, operate and abandon or decommission wells and facilities; and
- the transportation, marketing and sale of our products.

Collectively, the effect of the existing laws and regulations is to potentially limit the number and location of our wells through restrictions on the use of our properties, limit our ability to develop certain assets and conduct certain operations, and reduce the amount of oil and natural gas that we can produce from our wells below levels that would otherwise be possible. Additionally, the regulatory burden on the industry increases our costs and consequently may have an adverse effect upon operations, capital expenditures, earnings and our competitive position. Violations and liabilities with respect to these laws and regulations could result in significant administrative, civil, or criminal penalties, remedial clean-ups, natural resource damages, permit modifications or revocations, operational interruptions or shutdowns, reputational damage, and other liabilities. The costs of remedying such conditions may be significant, and remediation obligations could adversely affect our financial condition, results of operations and future prospects.

The California Department of Conservation's Geologic Energy Management Division ("CalGEM") is California's primary regulator of the oil and natural gas drilling and production activities on private and state lands, with additional oversight from the California State Lands Commission's administration of state surface and mineral interests, as well as other state and local agencies. The Bureau of Land Management ("BLM") of the U.S. Department of the Interior exercises similar jurisdiction on federal lands in California, on which CalGEM also asserts jurisdiction over certain activities. The California Legislature has significantly increased the jurisdiction, duties and enforcement authority of CalGEM, the State Lands Commission and other state agencies with respect to oil and natural gas activities in recent years, and CalGEM and other state agencies have also significantly revised their regulations, regulatory interpretations and data collection and reporting requirements. In addition, from time to time legislation has been introduced in the California State Legislature seeking to further restrict or prohibit certain oil and gas operations, and the U.S. Congress and federal agencies also regularly seek to revise environmental laws and regulations.

A discussion of the potential impact that government regulations, including those regarding environmental matters, may have upon our business, operations, capital expenditures, earnings and competitive position follows. For more information related to the regulatory risks that could potentially have a material effect on the Company, see "Item 1A. Risk Factors—**Risks Related to Our Operations and Industry**".

California Permitting Considerations

The issuance of permits and other approvals for drilling and production activities by state and local agencies or by federal agencies may be subject to environmental reviews under the California Environmental Quality Act ("CEQA") or the National Environmental Policy Act ("NEPA"), respectively, which in the past has resulted, and in the future may result, in delays in the issuance of necessary permits and approvals and the imposition of onerous mitigation measures or restrictions, among other things. For example, before an operator can pursue drilling operations in California, they must first obtain local government permission to engage in an oil and gas production land use, which requires the local government to conduct a CEQA-compliant review to evaluate the environmental impact that the proposed land use may cause, including on habitat, neighboring communities, air quality, water quality, and other environmental considerations. CEQA imposes similar obligations on permitting decisions by state and local agencies. Prior to issuing the permits necessary for the conduct of certain operations (for example, to drill a new well), CalGEM requires an operator to identify the manner in which CEQA has been satisfied, which is typically through either an environmental impact review or an exemption by a state or local agency.

Over the last few years, there has been a number of developments at both the California state and local levels that resulted in delays in the issuance of new drilling permits for oil and gas activities in Kern County where all of our California assets are located, as well as a more time- and cost-intensive permitting process. Most notably, in Kern County, we historically have satisfied CEQA by complying with the local oil and gas ordinance, which was supported by an Environmental Impact Report (an "EIR") covering oil and gas operations in Kern County (the "Kern County EIR"). In 2020, a lawsuit was filed challenging the Kern County EIR, and subsequently the California Fifth District Court of Appeals issued a ruling invalidating a portion of the Kern County EIR until Kern County made certain revisions to the Kern County EIR and recertified it ("Kern County Ruling"). To address the Kern County Ruling, Kern County prepared a supplemental EIR (the "Supplemental EIR") which was approved by the Kern County Board of Supervisors in March 2021. Following further challenges by plaintiffs, a Kern County

Superior Court judge suspended use of the Supplemental EIR in October 2021 pending further review by the Court. In June 2022, the Kern County Superior Court ruled in favor of Kern County in part but also found that the Supplemental EIR still failed to meet the minimum requirements of CEQA. In August 2022, the Kern County Board of Supervisors approved changes which addressed four discrete issues identified by the court in its June 2022 ruling. The Kern County Superior Court subsequently issued a ruling in October 2022 determining that the Kern County Supplemental EIR was not decertified, but ordered Kern County to address the four discrete issues previously identified before the Supplemental EIR could become effective. Kern County then filed notice with the court of the changes and on November 2, 2022, the trial court lifted the order preventing reliance on the Supplemental EIR. In December 2022, the Kern County Superior Court denied a motion to stay this action and the plaintiffs appealed. On January 26, 2023, the California Fifth District Court of Appeal issued a preliminary order which again suspended use of the Supplemental EIR to meet CEQA requirements pending the outcome of a final order on Kern County's ability to rely on the Supplemental EIR during the appeals process. While the court has not issued a final order to date, it is possible that use of the Supplemental EIR will remain suspended through the duration of the appeals process, which would result in significant ongoing disruption to the permitting process in Kern County for an extended period of time. Furthermore, if the Supplemental EIR is ultimately determined to be deficient upon resolution of the appeals process, use of the Supplemental EIR to satisfy CEQA requirements for drilling permits may be suspended until such deficiencies are resolved, which could extend such disruptions for the foreseeable future. In addition, CalGEM provided notice to operators on February 2, 2023 that, in light of the preliminary order, it would no longer recognize job cards issued by Kern County as CEQA lead agency in reliance on the Supplemental EIR between November 2, 2022 and January 26, 2023 (the "CalGEM Notice"). Even if the California Fifth District Court of Appeal lifts the suspension on reliance on the Supplemental EIR, there is no assurance that we will be able to use the job cards issued by Kern County during that period or how quickly any new permits may be issued by CalGEM.

Separately, in February 2021, the Center for Biological Diversity filed suit against CalGEM alleging that its reliance on the Kern County EIR for oil and gas decisions violates CEQA, and that an independent environmental impact review in compliance with CEQA is required by CalGEM before the agency can issue oil and gas permits and approvals. Most recently, the Alameda County Superior Court denied CalGEM's motion for judgment on the pleadings and the lawsuit remains ongoing. We cannot predict its ultimate outcome or whether it could result in changes to the requirements for demonstrating compliance with CEQA and permitting process, even if the Supplemental EIR is ultimately deemed sufficient and reinstated.

As a result of this ongoing uncertainty, we have experienced significant delays in the issuance of permits for new wells by CalGEM. CalGEM has not issued any new drill permits to any producer since December 2022. Until Kern County is able to resume the ability to utilize the Supplemental EIR to demonstrate CEQA compliance, our ability to obtain new permits and approvals to enable our future plans in Kern County requires demonstrating compliance with CEQA to CalGEM. We were able to secure some new drill permits in 2022 from CalGEM in specific operational areas where we did not have to rely on the Kern County EIR because the CEQA environmental analyses had already been separately completed by a predecessor entity, which CalGEM recognized as satisfying the CEQA compliance obligation. We believe we may have the ability to procure additional permits within these operational areas in 2023. Demonstrating CEQA compliance without being able to reference the Supplemental EIR or another CEQA-compliant environmental analysis is a more technical, time- and cost-intensive process and may, among other things, require that we conduct an extensive environmental impact review.

At this time, we expect greater than 90% of our planned 2023 production will come from our base production, with the remainder from workovers, sidetracks and other activities related to existing wellbores, as well as from limited number of new wells drilled during the year for which we already have permits or expect to receive permits because the wells are in areas where CEQA analysis has already been completed. As a result of the CalGEM Notice and the Kern County EIR legal challenges, our current capital budget for 2023 has been prepared on the assumption that no additional permits for new wells will be issued in 2023 in areas for which CEQA analysis has not already been completed separate from the currently suspended Kern County EIR. However, we are pursuing other avenues to obtain additional permits for new wells that, if received could enable us to expand the 2023 drilling program contemplated under our capital budget.

Among other things, if we are unable to obtain new well drill permits through 2024, it could result in the loss of some amount of the proved undeveloped reserves that expire on December 31, 2024 identified in our December 31, 2022 reserve report.

Setbacks

Separately, on September 16, 2022, the California Governor signed into law Senate Bill No. 1137 which prohibits CalGEM from permitting any new wells, or the rework of existing wells, if the proposed new drill or rework is within 3,200 feet of certain sensitive receptors such as homes, schools or parks effective January 1, 2023. On January 6, 2023, CalGEM's emergency regulations to support implementation of Senate Bill No. 1137 were approved by the Office of Administrative Law and final regulations were published. The regulations include applicable requirements of notice to property owners and tenants regarding the work performed and offering the sampling of test water wells or surface water before and after drilling; the contents of required notices for new production facilities; the annual submission of a sensitive receptor inventory and sensitive receptor map and the contents and format of the same; and the requirements of statements where operators have determined a location not to be within a health protection zone. Additional provisions of Senate Bill No. 1137, include, among others, the imposition of HSE controls applicable to wells located within this distance of sensitive receptors related to noise, light, and dust pollution controls and air emission monitoring, and the immediate suspension of operations at production facilities determined not to be in compliance with certain air emission requirements. The latter provisions are effective January 1, 2025.

In December 2022, proponents of a voter referendum (the Referendum) collected more than the requisite number of signatures required to put Senate Bill No. 1137 on the 2024 ballot. On February 3, 2023, the Secretary of State of California certified the signatures and confirmed that the Referendum qualifies for the November 2024 ballot. Accordingly, Senate Bill No. 1137 is stayed until it is put to a vote, although any stay could be delayed if there are legal challenges to the Secretary of State's certification. However, we cannot predict any future actions by CalGEM, the State of California, or other interested parties may take that could further limit our ability to drill in certain areas.

The majority of our production is in rural areas in the San Joaquin basin and is unlikely to be affected by Senate Bill No. 1137 should it permanently stay effective. We are actively pursuing mitigation efforts with respect to the potential impacts on current and planned wells, but it is possible that we are unable to ultimately develop those properties. We continue to assess the impacts of this rule, but we currently estimate that approximately 13% of our overall proved reserves are within the setbacks established by Senate Bill No. 1137. We do not expect this law to result in any material change in our overall existing proved developed producing reserves or current production rates.

California Underground Injection Control Regulations

The federal Safe Drinking Water Act ("SDWA") and the Underground Injection Control ("UIC") program promulgated under the SDWA and relevant state laws regulate the drilling and operation of injection and disposal wells that manage produced water (brine wastewater containing salt and other constituents produced by oil and natural gas wells). Permits must be obtained before developing and using deep injection wells for the disposal of produced water or for enhanced oil recovery, and well casing integrity monitoring must be conducted periodically to ensure the well casing is not leaking produced water to groundwater. The EPA directly administers the UIC program in some states, and in others, such as California, administration is delegated to the state.

Effective April 2019, CalGEM finalized new UIC regulations, which affects specific types of wells: (i) those that inject water or steam for enhanced oil recovery and (ii) those that return the briny groundwater that comes up from oil formations during production. The key regulations include stronger testing requirements designed to identify potential leaks, increased data requirements to ensure proposed projects are fully evaluated, continuous well pressure monitoring, requirements to automatically cease injection when there is a risk to safety or the environment, and requirements to disclose chemical additives for injection wells close to water supply wells. Notwithstanding these changes, separately, in September 2021 the U.S. Environmental Protection Agency ("EPA") issued a letter to

the California Natural Resources Agency and the State Water Resources Control Board regarding California's compliance with a 2015 compliance plan relating to the State's process for approving aquifer exemptions under the UIC regulations and submitting those approvals to EPA for review. The letter requested that California take appropriate action by September 2022, or the EPA would consider taking additional action to impose limits on California's administration of the UIC program, withhold federal funds for the administration of the UIC program, and direct orders to oil and gas operators injecting into formations not authorized by the EPA, amongst other measures. The State responded in October 2021 with a proposed compliance plan and a follow-up letter in August 2022 providing a mid-year update, but, to date, the EPA has not yet responded. Additional limitations on injection well operations increased federal oversight of the UIC permitting process, or a lack of funds for California to administer permits under the UIC program all have the potential to adversely affect our operations and result in increased operational and compliance costs.

Uncertainty surrounding compliance with UIC regulations has from time to time resulted in delays in obtaining UIC permits for enhanced oil recovery, disposal of oilfield wastes and injection wells, which in turn can delay our ability to obtain other permits needed to conduct our planned operations. Moreover, concerns related to potential groundwater contamination issues have resulted in increased scrutiny with respect to UIC permitting and other oil and gas activities in California. It is possible that more stringent regulations or restrictions on our ability to obtain UIC permits for enhanced oil recovery and disposal of oilfield wastes could be imposed upon our operations in the future. Additionally, CalGEM has indicated that is coordinating with the California State Water Resources Control Board to propose rules regarding enhanced reviews for injection well permitting decisions. Any such changes could adversely impact our operations. For example, while "infill drilling" has been considered exempt from certain CalGEM permitting requirements in the past, such as the need to obtain a new project approval letter ("PAL"), CalGEM appears to be limiting the instance where it considers proposed drilling as "infill" of areas already given over to oilfield uses and impacts. An infill well occurs when an operator seeks to change the location of an active injection well or add a new injection well not previously identified in the project application. In March 2022, CalGEM issued a Notice to Operators informing operators of new checklist documentation used in connection with the approval of injection wells, which includes adding non-expansion infill wells. Changes in the process for approving infill wells has the potential to delay permitting injection and other activities, and could result in increased compliance costs on our operations. Our 2023 plans, as well as our future plans, may be impacted by an inability to timely obtain certain permits needed to carry out our drilling and development plans due to a delay in obtaining the requisite UIC permits. In the past, we have been able to modify our drilling and development plans and obtain the permits necessary to support ongoing operations despite these permitting uncertainties, but there is no guarantee that we can continue to successfully manage these issues in the future.

California Idle Well Regulations

In California, an idle well is one that has not been used for two years or more and has not yet been permanently sealed pursuant to CalGEM regulations. An idle well that has been abandoned by the operator and as a result becomes a burden of the State is referred to as an orphan well. In April 2019, CalGEM issued updated idle well regulations, including a comprehensive well testing regime to demonstrate the mechanical integrity of idle wells, a compliance schedule for testing or plugging and abandoning idle wells, the collection of data necessary to prioritize testing and plugging idle wells that will not return to service, an engineering analysis for each well idled 15 years or longer, and requirements for active observation wells. Additionally, operators are required to either submit annual idle well management plans describing how they will plug and abandon or reactivate a specified percentage of long-term idle wells or pay additional annual fees and perform additional testing to retain greater flexibility to return long-term idle wells to service in the future. Also, in 2019, the Governor of California signed AB 1057, legislation requiring CalGEM to study and prioritize idle wells with emissions, evaluate costs of abandonment, decommissioning and restoration, and review and update associated indemnity bond amounts from operators if warranted, up to a specified cap. This legislation also expanded CalGEM's duties, effective January 1, 2020, to include public health and safety and reducing or mitigating greenhouse gas emissions while meeting the state's energy needs.

To date, we have fulfilled the conditions of our prior idle well management plans and we will do so again in 2023 based on the submitted plan. In 2022, we spent approximately \$20 million on our plugging and abandonment activities. In 2023, we currently estimate spending will be approximately \$21 million to \$24 million for such activities in order to meet our annual plugging and abandonment obligations.

Additionally, in the fourth quarter of 2021, we acquired CJWS and started a profitable new business line to provide standard well services to the industry in California, including plugging and abandoning idle wells across California for ourselves and other operators, as well as the State of California. We believe that CJWS is well positioned to capture both state and federal funds to help remediate idle wells; there are approximately 35,000 idle wells estimated to be in California according to third-party sources.

Additional Actions Impacting Oil and Gas Activities in California

In recent years the California Governor and Legislature have taken a series of actions that seek to reduce both the supply of and demand for fossil fuels in the state. For example, in September 2022, the Governor signed Senate Bill No. 1279 into law, which codifies an executive order previously issued by the Governor's Office requiring the state to achieve carbon neutrality by 2045. In addition, Governor Newsom previously issued an executive order that established several goals and directed several state agencies to take certain actions with respect to reducing emissions of greenhouse gases, including, but not limited to: phasing out the sale of emissions-producing vehicles; developing strategies for the closure and repurposing of oil and gas facilities in California; and calling on the California State Legislature to enact new laws prohibiting hydraulic fracturing in the state by 2024 (we currently do not perform any hydraulic fracturing in California and our near term plans do not include the development of assets requiring hydraulic fracturing).

Separately, in October 2020, the California Governor issued an executive order that established a state goal to conserve at least 30% of California's land and coastal waters by 2030 and directed state agencies to implement other measures to mitigate climate change and strengthen biodiversity. At this time, we cannot predict the potential future actions that may result from this order or how such may potentially impact our operations.

Additionally, President Biden signed the Inflation Reduction Act ("IRA") into law on August 16, 2022 which, among other things, imposes a fee on the emissions of methane from certain sources in the oil and natural gas sector and provides significant incentives for renewable energy and low or zero carbon products. Beginning in 2024, the IRA's methane emissions charge imposes a fee on excess methane emissions from certain oil and gas facilities, starting at \$900 per metric ton of leaked methane in 2024 and rising to \$1,200 in 2025, and \$1,500 in 2026 and thereafter. The imposition of this fee and other provisions of the IRA could increase our operating costs and accelerate the transition away from oil and gas, which could adversely affect our business and results of operations.

Restrictions on Oil and Gas Developments on Federal Lands

As of December 31, 2022, approximately 12% and 28% of our net acreage in California and Utah, respectively, is on federal land, which comprises approximately 10% and 12% of our total proved reserves in California and Utah, respectively, and approximately 8% and 7% of our PUD locations in California and Utah, respectively. Additional federal restrictions on oil and gas activities on federal lands may be imposed in the future. For example, on January 27, 2021, President Biden issued an executive order that suspends the issuance of new leases for oil and gas development on federal lands to the extent permitted by law and calls for a review of existing leasing and permitting practices for such activities on federal lands (the order clarifies that it does not restrict such operations on tribal lands including tribal lands that the federal government merely holds in trust). Although the order does not apply to existing operations under valid leases, we cannot guarantee that further action will not be taken to curtail oil and gas development on federal land. The suspension of these federal leasing activities prompted legal action by several states against the Biden Administration, resulting in issuance of a nationwide preliminary injunction by a federal district judge in Louisiana in June 2021 and a permanent injunction in August 2022, effectively halting implementation of the leasing suspension with respect to leases canceled or postponed prior to March 24, 2021. Separately, the Department of the Interior ("DOI") released its report on federal gas leasing and permitting practices in November 2021, referencing a number of recommendations and an overarching intent to modernize the federal oil

and gas leasing program, including prioritizing leasing in areas with known resource potential, and avoiding leasing that conflicts with recreation, wildlife habitat, conservation, and historical and cultural resources. The IRA responded to one of the report's recommendations and increased onshore royalty rates to 16 $\frac{2}{3}$ %. Several of the report's other recommendations, however, will require further Congressional action and we cannot predict to the extent to which the recommendations may be implemented now or in the future, but restrictions on federal oil and gas activities could result in increased costs and adversely impact our operations.

With respect to major federal actions pursuant to NEPA, recent modifications may also impose further restrictions on oil and gas activities on federal lands. In October 2021, the Biden Administration announced three significant changes to a 2020 rule finalized under the Trump Administration. These changes included authorizing agencies to consider the direct, indirect and cumulative effects of major federal actions including upstream and downstream GHG emissions impacts of fossil fuel projects, allowing agencies to determine the purpose and need of a project (thereby allowing consideration of less-harmful alternatives), and affording agencies greater flexibility in crafting their own NEPA procedures, consistent with Council of Environmental Quality ("CEQ") regulations, so as to meet the agencies' and public's needs. To that end, in April 2022, the CEQ issued a final rule in line with the proposed changes, a move considered as "Phase I" of the Biden Administration's two-phased approach to modifying NEPA. "Phase 2" of this process includes the release of a new rule proposing broader changes to NEPA regulations.

Operations on Tribal Lands

As of December 31, 2022, approximately 65% of our net acreage in Utah is on tribal lands, which comprises approximately 69% of our total proved reserves in Utah, and approximately 88% of our PUD locations in Utah; none of our California assets or operations are located on tribal lands. In addition to potential regulation by federal, state and local agencies and authorities, an entirely separate and distinct set of laws and regulations promulgated by the Indian tribe with jurisdiction over such lands applies to lessees, operators and other parties on such lands, tribal or allotted. These regulations include lease provisions, royalty matters, drilling and production requirements, environmental standards, tribal employment and contractor preferences and numerous other matters. Further, lessees and operators on tribal lands may be subject to the jurisdiction of tribal courts, unless there is a specific waiver of sovereign immunity by the relevant tribe allowing resolution of disputes between the tribe and those lessees or operators to occur in federal or state court. These laws, regulations and other issues present unique risks that may impose additional requirements on our operations, cause delays in obtaining necessary approvals or permits, or result in losses or cancellations of our oil and natural gas leases, which in turn may materially and adversely affect our operations on tribal lands.

Restrictions on High-Pressure Cyclic Steam and Well Stimulation Treatments

Our California operations are primarily focused on the thermal Sandstones, thermal Diatomite and Hill Diatomite development areas, of which only our undeveloped thermal Diatomite assets require new high-pressure cyclic steam wells and Belridge Hill Diatomite potentially require well stimulation treatments ("WST") (also known as hydraulic stimulation, hydraulic fracturing or fracking). We have limited our plan in 2023 for our undeveloped thermal Diatomite assets and we do not have any near term plans that would require WST in our Belridge Hill Diatomite assets. We do rely on other methods of well stimulation and injection, including the use of cyclic and continuous steam injection, which is heavily regulated. Any restrictions on the use of those well stimulation treatments or other forms of injection may adversely impact our operations, including causing operational delays, increased costs, and reduced production. However, our ability to conduct such activities has not been prohibited or otherwise restricted by the moratorium on permitting for new high-pressure cyclic steam wells and WST.

As referenced above, in November 2019, the State Department of Conservation issued a press release announcing three actions by CalGEM: (1) a moratorium on approval of new high-pressure cyclic steam wells pending a study of the practice to address surface expressions experienced by certain operators; (2) a review and update of regulations regarding public health and safety near oil and natural gas operations pursuant to additional duties assigned to CalGEM by the California State Legislature in 2019 (discussed above); (3) a performance audit of CalGEM's permitting processes for issuing WST permits and project approval letters ("PALs") for underground injection activities by the State Department of Finance; and (4) an independent review of the technical content of

pending WST and PAL applications by Lawrence Livermore National Laboratory. In September 2020, the Governor of California issued an executive order which, among other actions, required CalGEM to complete its public health and safety review and propose additional regulations and noted the Governor's intent to seek legislation to end the issuance of new hydraulic fracturing permits by 2024; the executive order is further discussed above under "Additional Actions Impacting Oil and Gas Activities in California." In January 2020, CalGEM issued a formal notice to operators, including us, that they had issued restrictions imposing the previously announced moratorium to prohibit new underground oil-extraction wells from using high-pressure cyclic steaming process. In February of 2022, CalGEM issued letters to operators who had conducted high pressure cyclic steam operations in the past, indicating that CalGEM intended to revisit the moratorium on a field-by-field basis, but no further guidance has yet been received by us to date. Importantly, the moratorium on high-pressure cyclic steam injection did not impact existing production or previously approved permits and our plans and operations have not been materially impacted to date. In 2023 we have plans to drill permitted wells in these thermal diatomite properties.

Historically, state regulators have overseen hydraulic stimulation operations as part of their oil and natural gas regulatory programs. However, from time to time, federal agencies have asserted regulatory authority over certain aspects of the process. In 2016, the EPA issued final regulations regarding, among other things, certain hydraulic stimulation activities involving the use of diesel fuels and standards for the capture of air emissions released during hydraulic stimulation. And while the BLM previously rescinded regulations imposing certain requirements on hydraulic fracturing on federal lands in 2017, the rescission is subject to ongoing legal challenge and the regulations may be reconsidered under the Biden Administration. Relatedly, the Biden Administration has released proposed rules mandating that operators maintain leak detection and repair plans for operations on federal or Native American leased land and, in November 2022, proposed a rule that would limit flaring from well sites on federal lands as well as allow the delay or denial of permits if the agency finds an operator's methane waste minimization plan insufficient. The outcome of these rules could materially impact our operations in the Uinta basin, where as of December 31, 2022, approximately 12% of our proved reserves in Utah were located on federal lands and approximately 69% were located on tribal lands. In addition, from time to time legislation has been introduced before Congress that would provide for federal regulation of hydraulic stimulation and would require disclosure of the chemicals used in the stimulation process. If enacted, these or similar bills could result in additional permitting requirements for hydraulic stimulation operations as well as various restrictions on those operations. These permitting requirements and restrictions could materially impact our operations in the Uinta basin, including due to delays in operations at well sites and also increased costs to make wells productive.

Water Resources

Oil and gas exploration and development activities can be adversely affected by the availability of water. Drought conditions, competing water uses and other physical disruptions to our access to water could adversely affect our operations. In recent years, California and Utah have experienced persistent and severe drought conditions. As a result water districts and the California state government have implemented regulations and policies that may restrict groundwater extraction and water usage and increase the cost of water. Various local governments in Utah have implemented water restrictions too. Water management, including our ability to recycle, reuse and dispose of produced water and our access to water supplies from third-party sources, in each case at a reasonable cost, in a timely manner and in compliance with applicable laws, regulations and permits, is an essential component of our operations. As such, any limitations or restrictions on wastewater disposal or water availability could have an adverse impact on our operations. We treat and reuse water that is co-produced with oil and natural gas for a substantial portion of our needs in activities such as pressure management, steam flooding and well drilling, completion and stimulation. We use water supplied from various local and regional sources, particularly for power plants and to support operations like steam injection in certain fields. While our production to date has not been materially impacted by restrictions on access to third-party water sources, we cannot guarantee that there may not be restrictions in the future.

Regulation of Health, Safety and Environmental Matters

The federal health, safety and environmental laws and regulations applicable to us and our operations include, among others, the following:

- Occupational Safety and Health Act (“OSHA”), which governs workplace safety and the protection of the safety and health of workers;
- Clean Air Act (the “CAA”), which restricts the emission of air pollutants from many sources through the imposition of air emission standards, construction and operating permitting programs and other compliance requirements;
- Clean Water Act (the “CWA”), which restricts the discharge of pollutants, including produced waters and other oil and natural gas wastes, into waters of the United States, a term broadly defined to include, among other things, certain wetlands;
- The Oil Pollution Act of 1990, which amends and augments the CWA and imposes certain duties and liabilities related to the prevention of oil spills and damages resulting from such spills;
- Safe Drinking Water Act (“SDWA”), which, amongst other matters, regulates the drilling and operation of injection and disposal wells that manage produced water;
- Comprehensive Environmental Response, Compensation and Liability Act (“CERCLA”), which imposes strict, joint and several liability where hazardous substances have been released into the environment (commonly known as “Superfund”);
- U.S. Department of Transportation’s Pipeline and Hazardous Materials Safety Administration (“PHMSA”) regulates the safe and secure transportation of energy, including, with some specific exceptions, natural gas pipelines;
- Energy Independence and Security Act of 2007, which prescribes new fuel economy standards, mandates for production of renewable fuels and other energy saving measures, which can indirectly affect demand for our products;
- National Environmental Policy Act (“NEPA”), which requires careful evaluation of the environmental impacts of oil and natural gas production activities on federal lands;
- Resource Conservation and Recovery Act (“RCRA”), which governs the management of solid waste (broadly defined to include liquid and gaseous waste as well);
- DOI regulations, which impose requirements on oil and gas production activities on federal lands and establish liability for pollution cleanup and damages; and
- Endangered Species Act, which restricts activities that may affect endangered and threatened species or their habitats.

Federal, state and local agencies may assert overlapping authority to regulate in these areas. The State of California imposes additional laws that are analogous to, and often more stringent than, the federal laws listed above. Among other requirements and restrictions, these laws and regulations:

- require the acquisition of various permits, approvals and mitigation measures before drilling, workover, production, underground fluid injection, enhanced oil recovery methods or waste disposal commences, or before facilities are constructed or put into operation;
- establish air, soil and water quality standards for a given region, such as the San Joaquin Valley, conduct regional, community or field monitoring of air, soil or water quality, and require attainment plans to meet those regional standards, which may include significant mitigation measures or restrictions on development, economic activity and transportation in such region;

- impose, on federal, state, and local jurisdiction lands, comprehensive environmental analyses, recordkeeping and reports with respect to operations including preparation of various environmental impact assessments for certain operations;
- require the installation of sophisticated safety and pollution control equipment, such as leak detection, monitoring and control systems, and implementation of inspection, monitoring and repair programs to prevent or reduce releases or discharges of regulated materials to air, land, surface water or ground water;
- restrict the use, types or sources of water, energy, land surface, habitat or other natural resources, require conservation and reclamation measures;
- restrict the types, quantities and concentrations of regulated materials, including oil, natural gas, produced water or wastes, that can be released or discharged into the environment in connection with drilling and production activities, or any other uses of those materials resulting from drilling, production, processing, power generation, transportation or storage activities;
- limit or prohibit drilling activities on lands located within coastal, wilderness, wetlands, groundwater recharge or endangered species inhabited areas, and other protected areas, or otherwise restrict or prohibit activities that could impact the environment, including water resources, and require the dedication of surface acreage for habitat conservation;
- establish waste management standards or require remedial measures to limit pollution from former operations, such as pit closure, reclamation and plugging and abandonment of wells or decommissioning of facilities;
- impose substantial liabilities for pollution resulting from operations or for preexisting environmental conditions on our current or former properties and operations and other locations where such materials generated by us or our predecessors were released or discharged;
- require notice to stakeholders of proposed and ongoing operations;
- impose energy efficiency or renewable energy standards on us or users of our products and require the purchase of allowances to account for our greenhouse gas (“GHG”) emissions if we are unable to reduce our emissions below the California statewide maximum limit on covered GHG emissions;
- restrict the use of oil, natural gas or certain petroleum-based products such as fuels and plastics; and
- impose taxes or fees with respect to the foregoing matters.

We believe that maintaining compliance with currently applicable health, safety and environmental laws and regulations is unlikely to have a material adverse impact on our business, financial condition, results of operations or cash flows. However, we cannot guarantee this will always be the case given the historical trend of increasingly stringent laws and regulations. We cannot predict how future laws and regulations, or the reinterpretation of existing laws and regulations, may impact our properties or operations.

Violations and liabilities with respect to these laws and regulations could result in significant administrative, civil, or criminal penalties, remedial clean-ups, natural resource damages, permit modifications or revocations, and operational interruptions or shutdowns, among other sanctions and liabilities. The costs of remedying such conditions may be significant, and remediation obligations could adversely affect our financial condition, results of operations and prospects. In addition, certain of these laws and regulations may apply retroactively and may impose strict or joint and several liability on us for events or conditions over which we and our predecessors had no control, without regard to fault, legality of the original activities, or ownership or control by third parties. For the year ended December 31, 2022, we did not incur any material capital expenditures for installation of remediation or pollution control equipment at any of our facilities. We are not aware of any environmental issues or claims that will require material capital expenditures during 2023 or that will otherwise have a material impact on our financial position, results of operations or cash flows.

Regulation of Climate Change and Greenhouse Gas (GHG) Emissions

The potential threat of climate change due to human behaviors continues to attract considerable attention in the United States and in foreign countries. Numerous proposals have been made and could continue to be made at the international, national, regional and state levels of government to monitor and limit existing emissions of GHGs as well as to restrict or eliminate such future emissions. As a result, our E&P operations are subject to a series of regulatory, political, litigation, and financial risks associated with the production and processing of fossil fuels and emission of GHGs.

In the United States, no comprehensive climate change legislation has been implemented at the federal level. However, with the U.S. Supreme Court finding that GHG emissions constitute a pollutant under the CAA, the U.S. Environmental Protection Agency (“EPA”) has adopted rules that, among other things, establish construction and operating permit reviews for GHG emissions from certain large stationary sources, require the monitoring and annual reporting of GHG emissions from certain petroleum and natural gas system sources in the United States and together with the U.S. Department of Transportation (“DOT”), implement GHG emissions limits on vehicles manufactured for operation in the United States.

Additionally, various states and groups of states have adopted or are considering adopting legislation, regulations or other regulatory initiatives that are focused on such areas as GHG cap-and-trade programs, carbon taxes, reporting and tracking programs, and restriction of GHG emissions, such as methane. For example, California, through the California Air Resources Board (“CARB”) has implemented a cap-and-trade program for GHG emissions that sets a statewide maximum limit on covered GHG emissions, and this cap declines annually to reach 40% below 1990 levels by 2030. Covered entities must either reduce their GHG emissions or purchase allowances to account for such emissions. Separately, California has implemented low carbon fuel standard (“LCFS”) and associated tradable credits that require a progressively lower carbon intensity of the state's fuel supply than baseline gasoline and diesel fuels. CARB has also promulgated regulations regarding monitoring, leak detection, repair and reporting of methane emissions from both existing and new oil and gas production facilities.

In addition to the actions described above requiring California to achieve total economy-wide carbon neutrality by 2045, California has separately adopted a law requiring the use of 100% zero-carbon electricity within the state by 2045. Additionally, Governor Newsom requested that the CARB analyze pathways to phase out oil extraction across the state by no later than 2045; however, CARB’s 2022 Final Scoping Plan, the blueprint for the state’s carbon neutrality goals, determined such a phase out was not feasible because of continued projected demand for fossil fuels in the transportation sector notwithstanding significant projected decreases in demand for fossil fuels for such uses by 2045. Notwithstanding this, CARB will continue to assess opportunities for phase down in its next five year scoping plan. The 2022 Final Scoping Plan also outlines a plan to phase out natural gas use in buildings, amongst other carbon emission reduction matters. We cannot predict how these various laws, regulations and orders may ultimately affect our operations. However, these initiatives could result in decreased demand for the oil, natural gas, and NGLs that we produce, or otherwise restrict or prohibit our operations altogether in California, and therefore adversely affect our revenues and results of operations.

At the international level, the United Nations-sponsored “Paris Agreement” requires member states to individually determine and submit non-binding emissions reduction targets every five years after 2020. Although the United States had withdrawn from the Paris Agreement, President Biden signed an executive order on his first day in office recommitting the United States to the agreement. In February 2021, the United States formally rejoined the Paris Agreement, and, in April 2021, established a goal of reducing economy-wide net GHG emissions 50-52% below 2005 levels by 2030. Additionally, at the 26th Conference of the Parties (“COP26”) in Glasgow in November 2021, the United States and the European Union jointly announced the launch of a Global Methane Pledge, an initiative committing to a collective goal of reducing global methane emissions by at least 30% from 2020 levels by 2030, including “all feasible reductions” in the energy sector. At COP27 in Sharm El-Sheik in November 2022, countries reiterated the agreements from COP26 and were called upon to accelerate efforts toward the phase out of inefficient fossil fuel subsidies. The United States also announced in conjunction with the European Union and other partner countries that it would develop standards for monitoring and reporting methane emissions to help create a market for low methane-intensity gas. Although no firm commitment or timeline to phase out or phase down all

fossil fuels was made at COP27, there can be no guarantees that countries will not seek to implement such a phase out in the future. The full impact of these actions is uncertain at this time and it is unclear what additional initiatives may be adopted or implemented that may have adverse effects upon our operations.

Governmental, scientific and public concern over the threat of climate change arising from GHG emissions has resulted in increasing political risks in the United States, including climate change-related pledges made by certain candidates for public office. These have included promises to pursue actions to limit emissions and curtail the production of oil and gas, such as banning new leases for production of minerals on federal properties. On January 20, 2021, President Biden issued an executive order calling for increased regulation of methane emissions from the oil and gas sector; for more information, see our regulatory disclosure titled “Air Emissions”. Subsequently, on January 27, 2021, President Biden issued an executive order that called for substantial action on climate change, including, among other things, the increased use of zero-emissions vehicles by the federal government, the elimination of subsidies provided to the fossil fuel industry, and increased emphasis on climate-related risk across agencies and economic sectors. Other actions that could be pursued by President Biden may include more restrictive requirements for the establishment of pipeline infrastructure or the permitting of LNG export facilities, as well as other GHG emissions limitations for oil and gas facilities.

Litigation risks are also increasing, as a number of parties have sought to bring suit against oil and natural gas companies in state or federal court, alleging, among other things, that such companies created public nuisances by producing fuels that contributed to global warming effects, such as rising sea levels, and therefore are responsible for roadway and infrastructure damages as a result, or alleging that the companies have been aware of the adverse effects of climate change for some time but withheld material information from their investors or customers by failing to adequately disclose those impacts.

There are also increasing financial risks for fossil fuel producers as shareholders currently invested in fossil-fuel energy companies concerned about the potential effects of climate change may elect in the future to shift some or all of their investments into non-energy related sectors. Institutional lenders who provide financing to fossil-fuel energy companies also have become more attentive to sustainable lending practices and some of them may elect not to provide funding for fossil fuel energy companies. For example, at COP26, the Glasgow Financial Alliance for Net Zero (“GFANZ”) announced that commitments from over 450 firms across 45 countries had resulted in over \$130 trillion in capital committed to net zero goals. The various sub-alliances of GFANZ generally require participants to set short-term, sector-specific targets to transition their financing, investing, and/or underwriting activities to net zero emissions by 2050. There is also a risk that financial institutions will be required to adopt policies that have the effect of reducing the funding provided to the fossil fuel sector. In late 2020, the Federal Reserve announced that it had joined the Network for Greening the Financial System (“NGFS”), a consortium of financial regulators focused on addressing climate-related risks in the financial sector and in September 2022, the Federal Reserve announced that six of the largest banks in the U.S. will participate in a pilot climate scenario analysis to enhance the ability of firms and supervisors to measure and manage climate-related financial risk. The Federal Reserve began its pilot exercise in January 2023 which is designed to analyze the impact of both physical and transition risks related to climate change on specific assets of the banks’ portfolios. Limitation of investments in and financings for fossil fuel energy companies could result in the restriction, delay or cancellation of drilling programs or E&P activities. Additionally, in March 2022, the Securities and Exchange Commission (“SEC”) released a proposed rule that would establish a framework for the reporting of climate risks, targets, and metrics. A final rule is expected to be released in Q2 2023, but we cannot predict the final form and substance of the rule and its requirements. The ultimate impact of the rule on our business is uncertain and, upon finalization may result in additional costs to comply with any such disclosure requirements alongside increased costs of and restrictions on access to capital.

The adoption and implementation of new or more stringent international, federal or state legislation, regulations or other regulatory initiatives that impose more stringent standards for GHG emissions from oil and natural gas producers such as ourselves or otherwise restrict the areas in which we may produce oil and natural gas or generate GHG emissions could result in increased costs of compliance or costs of consuming, and thereby reduce demand for or erode value for, the oil and natural gas that we produce. Additionally, political, litigation, and financial risks may result in our restricting or canceling oil and natural gas production activities, incurring liability for infrastructure damages as a result of climatic changes, or impairing our ability to continue to operate in an economic manner.

Moreover, climate change may also result in various physical risks, such as the increased frequency or intensity of extreme weather events or changes in meteorological and hydrological patterns, that could adversely impact our operations, as well as those of our operators and their supply chains. Such physical risks may result in damage to our facilities or otherwise adversely impact our operations, such as if we become subject to water use curtailments in response to drought, or demand for our products, such as to the extent warmer winters reduce the demand for energy for heating purposes. Such physical risks may also impact our supply chain or infrastructure on which we rely to produce or transport our products. One or more of these developments could have a material adverse effect on our business, financial condition and results of operation.

For more information, please see “Item 1A. Risk Factors—**Risks Related to Our Operations and Industry—Our business is highly regulated and governmental authorities can delay or deny permits and approvals or change the requirements governing our operations, including the permitting approval process for oil and gas exploration, extraction, operations and production activities, well stimulation, enhanced production techniques and fluid injection or disposal, that could increase costs, restrict operations and delay our implementation of, or cause us to change, our business strategy and plans**” and “—Our operations are subject to a series of risks arising out of the threat of climate change that could result in increased operating costs, limit the areas in which we may conduct oil and natural gas E&P activities, and reduce demand for the oil and natural gas we produce.”

Human Capital Resources

As of December 31, 2022, we had 1,372 employees, all of whom are located in the United States. Of those, 889 employees are employed in our C&J Well Services business and the remainder are corporate or employed in our E&P business. Currently, none of our employees are covered under collective bargaining or union agreements. We also utilize the service of many third-party contractors throughout our operations.

We believe that developing the best talent, promoting a safe and healthy workplace, providing an inclusive culture, and supporting the well-being of our employees and local communities are critical to the Company's success. The Compensation Committee of the Board has oversight responsibilities for the Company's human capital management policies, processes and practices, including those related to workforce diversity, pay equity and compensation and incentive structures, employee recruitment, retention and development, and succession planning.

Culture, Core Values and Employee Engagement

We are committed to the well-being of our employees and strive to foster a corporate culture that is reflective of our core values. We provide development opportunities and financial rewards so that our employees are engaged and focused on providing safe, affordable and reliable energy for the people of California.

We believe that fair and equitable pay is an essential element of any successful organization and we reward our talented employees for their hard work, qualities, experience and passion. We offer comprehensive and competitive benefits that support the health and well-being of our employees and their families, while consistently offering opportunities for professional growth and development in line with our mission. In addition, the incentive compensation program for our entire workforce, including our executive team, is tied to company performance on safety and environmental responsibility, as well as financial stewardship.

We proactively work to make sure all employees are fully engaged and empowered to achieve their potential and we are committed to attracting, developing and retaining a highly qualified, diverse and value-focused work force. Our engagement approach centers on transparency and accountability and we use a variety of channels to facilitate open, direct and honest communication, including open forums with executives through periodic town hall meetings and continuous opportunities for discussion and feedback between employees and managers, including performance conversations and reviews. We also survey our employees periodically to assess engagement levels and satisfaction drivers; the results of the engagement surveys are reviewed by senior management and the Board.

We promote a workplace culture of inclusiveness, dignity and respect for all employees as well as a safe, appropriate, and productive work environment. Accordingly, we prohibit unlawful harassment and discrimination at our work facilities, as well as off-site, including business trips, business functions, and company-sponsored events. In particular, our Code of Conduct prohibits any form of degrading, offensive, or intimidating conduct based on a person's race, color, ethnicity, national origin, ancestry, citizenship status, sex, gender identity and/or expression, sexual orientation, mental disability, physical disability, medical condition, neurotypicality, physical appearance, genetic information, age, parental status or pregnancy, marital status, religion, creed, political affiliation, military or veteran status, socioeconomic status or background, and any other characteristic protected by law.

Berry is similarly dedicated to this policy with respect to recruitment, hiring, placement, promotion, transfer, training, compensation, benefits, employee activities and general treatment during employment. Our goal is to reflect the broad spectrum of cultural, demographic, and philosophical differences of the communities where we operate, and foster a culture that supports and protects diversity. As a result of our efforts, we have attracted and retained highly talented and experienced women to our workforce in positions across our organization. Currently, our Board is approximately 33% women, our executive leadership team is 25% women, and Berry's total workforce is approximately 9% women, with the E&P segment being approximately 19% women and CJWS being approximately 5% women.

Safe and Healthy Workplace

We promote a safety-first culture. Health and safety considerations are an integral part of our day-to-day operations and incorporated into the decision-making process for our Board, management and all employees. Meeting meaningful HSE organizational metrics, including with respect to health and safety and spill prevention, is a part of our incentive programs for our entire workforce.

Corporate Information

Our principal executive office is located at 16000 N. Dallas Pkwy, Ste. 500, Dallas, Texas 75248 and our telephone number at that address is (214) 453-2920. Our web address is www.bry.com. We make certain filings with the SEC, including our annual report on Form 10-K, quarterly reports on Form 10-Q, current reports on Form 8-K, and all amendments and exhibits to those reports. We make such filings available free of charge through our website as soon as reasonably practicable after they are filed with the SEC. In addition to reports filed or furnished with the SEC, we publicly disclose material information from time to time in press releases, at annual meetings of shareholders, in publicly accessible conferences and investor presentations, and through our website. Information contained in or accessible through our website is not, and should not be deemed to be, part of this report.

Item 1A. Risk Factors

If any of the following risks actually occur, our business, financial condition and results of operations could be materially and adversely affected and we may not be able to achieve our goals. We cannot assure you that any of the events discussed in the risk factors below will not occur. Further, the risks and uncertainties described below are not the only risks and uncertainties we face. Additional risks and uncertainties not presently known to us or that we currently deem immaterial may ultimately materially affect our business.

Summary Risk Factors

The exploration, development and production of oil and natural gas involve highly regulated, high-risk activities with many uncertainties and contingencies that could adversely affect our business, financial condition, results of operations and cash flows. The risks and uncertainties described below are among the items we have identified that could materially adversely affect our business, financial condition, results of operations and cash flows. Before you invest in our common stock, you should carefully consider the risk factors referenced below and as more fully described in “Item 1A. Risk Factors” in this Annual Report.

Risks Related to Our Operations and Industry

- There are significant uncertainties with respect to obtaining permits for oil and gas activities in Kern County, where all of our California operations are located, which could impact our financial condition and results of operations.
- Attempts by the California state government to restrict the production of oil and gas could negatively impact our operations and result in decreased demand for fossil fuels within the states where we operate.
- Our ability to be profitable and maintain our financial condition is highly dependent on commodity prices.
- The conflict in Ukraine, related price volatility and geopolitical instability could negatively impact our business.
- The marketability of our production is dependent upon the availability of transportation and storage facilities, most of which we do not control.
- Our proved reserves and related future net cash flows may prove to be lower than estimated.
- Unless we replace oil and natural gas reserves, our future reserves and production will decline.
- Drilling for and producing oil and natural gas involves many uncertainties.
- We may not drill our identified sites at the times we scheduled or at all.
- Competition in the oil and natural gas industry is intense.
- We may be unable to make attractive acquisitions or successfully integrate acquired businesses or assets or enter into attractive joint ventures.
- We are dependent on our cogeneration facilities to produce steam for our operations. Operational issues and inability or unwillingness of third parties to provide sufficient facilities and services to us on commercially reasonable terms or otherwise could restrict access to commodity markets.
- Most of our operations are in California, much of which is conducted in areas that may be at risk of damage from fire, mudslides, earthquakes or other natural disasters.
- We may incur substantial losses and be subject to substantial liability claims as a result of catastrophic events.
- We may be involved in legal proceedings that could result in substantial liabilities.
- The loss of senior management or technical personnel could adversely affect operations.
- Information technology failures and cyberattacks could affect us significantly.
- Increasing attention to ESG matters may impact our operations and our business.
- We are subject to economic downturns and effects of public health events, such as the COVID-19 pandemic.

Risks Related to Our Financial Condition

- We may not be able to use a portion of our net operating loss carryforwards and other tax attributes to reduce our future U.S. federal and state income tax obligations, which could adversely affect our cash flows.

- Our business requires continual capital expenditures that we may be unable to fund.
- Inflation could adversely impact our ability to control our costs.
- Our hedging activities limit our ability to realize the full benefits of increases in commodity prices and may not fully protect us against the price decreases.
- Our existing debt agreements have restrictive covenants that could limit our growth, financial flexibility and our ability to engage in certain activities and our lenders could reduce capital available to us for investment.
- We may not be able to generate sufficient cash to service our indebtedness.
- Declines in commodity prices, changes in expected capital development, increases in operating costs or adverse changes in well performance may result in write-downs of the carrying amounts of our assets.
- We have significant concentrations of credit risk with our customers.

Risks Related to Regulatory Matters

- Our business is highly regulated and governmental authorities can delay or deny required permits and approvals, or change the requirements governing our operations.
- Potential future legislation may generally affect the taxation of natural gas and oil exploration and development companies and may adversely affect our operations and cash flows.
- Derivatives legislation and regulations could have an adverse effect on our ability to use derivative instruments to reduce the risks associated with our business.
- Our operations are subject to a series of risks arising out of the threat of climate change that could result in increased operating costs, limit the areas in which we may conduct oil and natural gas E&P activities, and reduce demand for the oil and natural gas we produce.
- The Inflation Reduction Act could accelerate the transition to a low-carbon economy and could impose new costs on our operations.

Risks Related to our Capital Stock

- There may be circumstances in which the interests of our significant stockholders could be in conflict with the interests of our other stockholders.
- Our significant stockholders and their affiliates are not limited in their ability to compete with us, and the corporate opportunity provisions in the Certificate of Incorporation could enable our significant stockholders to benefit from corporate opportunities that might otherwise be available to us.
- Future sales of our common stock in the public market could reduce our stock price, and any additional capital raised by us through the sale of equity or convertible securities may dilute your ownership in us.
- The excise tax on repurchases of corporate stock included in the Inflation Reduction Act of 2022 could increase our tax burden and influence our share repurchase decisions.
- The payment of dividends will be at the discretion of our board of directors.
- We may issue preferred stock, the terms of which could adversely affect the voting power or value of our common stock.
- We are an “emerging growth company,” and are able to take advantage of reduced disclosure requirements. Due to losing emerging growth company status in 2023, we expect to incur additional costs.
- Our internal control over financial reporting is not currently required to meet all of the standards of Section 404 of the Sarbanes-Oxley Act.
- Certain provisions of our Certificate of Incorporation and Bylaws may make it difficult for stockholders to change the composition of our board of directors and may discourage, delay or prevent a merger or acquisition.
- Our Certificate of Incorporation designates the Court of Chancery of the State of Delaware as the sole and exclusive forum for certain types of actions and proceedings that may be initiated by our stockholders.

Risks Related to Our Operations and Industry

The risks and uncertainties described below are among the items we have identified that could materially adversely affect our business, production, strategy, growth plans, acquisitions, hedging, reserves quantities or value, operating or capital costs, financial condition, results of operations, liquidity, cash flows, our ability to meet our capital expenditure plans and other obligations and financial commitments, and our plans to return capital.

There are significant uncertainties with respect to obtaining permits for oil and gas activities in Kern County, where all of our California operations are located, which could impact our financial condition and results of operations.

The timeline for obtaining permits for our operations in California, including from CalGEM, is and from time to time has been subject to significant delays and uncertainties, and we can provide no assurance that we will always be able to successfully navigate these risks and timely obtain permits or obtain them on favorable terms. In addition, third parties, including individual citizens and non-governmental organizations, may challenge or appeal any permits we receive, leading to further delays. Our oil and gas operations in California are subject to compliance with the California Environmental Quality Act (CEQA), and we cannot receive certain permits and other approval for our operations until a demonstration of compliance with CEQA has been made. There have been a number of developments at both the California state and local level that have resulted in delays in the issuance of permits for oil and gas activities in Kern County, as well as a more time- and cost- intensive permitting process. As a result of ongoing regulatory uncertainty in California, our capital program for 2023 has been prepared based on the assumption that no permits for new wells will be issued under the Kern County EIR in 2023. If we are unable to timely receive the permits and other approvals needed for our future plans, our financial condition, results of operations and prospects could be adversely and materially impacted.

In Kern County, where all of our California assets are located, we historically have satisfied CEQA by complying with the local oil and gas ordinance, which was supported by an Environmental Impact Report (an “EIR”) covering oil and gas operations in Kern County (the “Kern County EIR”). In 2020, a lawsuit was filed challenging the Kern County EIR, and subsequently the California Fifth District Court of Appeals issued a ruling invalidating a portion of the Kern County EIR until Kern County made certain revisions to the Kern County EIR and recertified it (“Kern County Ruling”). To address the Kern County Ruling, Kern County prepared a supplemental EIR (the “Supplemental EIR”) which was approved by the Kern County Board of Supervisors in March 2021. Following further challenges by plaintiffs, a Kern County Superior Court judge suspended use of the Supplemental EIR in October 2021 pending further review by the Court. In June 2022, the Kern County Superior Court ruled in favor of Kern County in part but also found that the Supplemental EIR still failed to meet the minimum requirements of CEQA. In August 2022, the Kern County Board of Supervisors approved changes which addressed four discrete issues identified by the court in its June 2022 ruling. The Kern County Superior Court subsequently issued a ruling in October 2022 determining that the Kern County Supplemental EIR was not decertified, but ordered Kern County to address the four discrete issues previously identified before the Supplemental EIR could become effective. Kern County then filed notice with the court of the changes and on November 2, 2022, the trial court lifted the order preventing reliance on the Supplemental EIR. In December 2022, the Kern County Superior Court denied a motion to stay this action and the plaintiffs appealed. On January 26, 2023, the California Fifth District Court of Appeal issued a preliminary order reinstating the suspension of the Supplemental EIR to meet CEQA requirements pending the outcome of a final order on Kern County’s ability to rely on the Supplemental EIR during the appeals process. While the court has not issued a final order to date, it is possible that use of the Supplemental EIR will remain suspended through the duration of the appeals process, which would result in significant ongoing disruption to the permitting process in Kern County for an extended period of time. Furthermore, if the Supplemental EIR is ultimately determined to be deficient upon resolution of the appeals process, use of the Supplemental EIR to satisfy CEQA requirements for drilling permits may be suspended until such deficiencies are resolved, which could extend such disruptions for the foreseeable future. In addition, CalGEM provided notice to operators on February 2, 2023 that, in light of the preliminary order, it would no longer recognize job cards issued by Kern County as CEQA lead agency in reliance on the Supplemental EIR between November 2, 2022 and January 26, 2023 (the “CalGEM Notice”). We were issued a number of job cards from Kern County during this period that we expected would be available for our drilling program in 2023. Even if the California Fifth District Court of

Appeal lifts the suspension on reliance on the Supplemental EIR, there is no assurance that we will be able to use those previously-issued permits or how quickly any new permits may be issued by CalGEM. For additional information, see “Regulatory Matters – California Permitting Considerations.”

Separately, in February 2021, the Center for Biological Diversity filed suit against CalGEM alleging that its reliance on the Kern County EIR for oil and gas decisions violates CEQA, and that an independent environmental impact review in compliance with CEQA is required by CalGEM before the agency can issue oil and gas permits and approvals. Most recently, the Alameda County Superior Court denied CalGEM’s motion for judgment on the pleadings and the lawsuit remains ongoing. We cannot predict its ultimate outcome or whether it could result in changes to the requirements for demonstrating compliance with CEQA and the permitting process, even if the Supplemental EIR is ultimately deemed sufficient and reinstated. The potential impact of this and potentially future litigation contributes to the uncertainty with respect to our ability to timely obtain the permits and approvals needed to conduct our operations.

If we are unable to obtain the required permits and approvals needed to conduct our operations on a timely basis or at all our financial condition, results of operations and prospects could be adversely and materially impacted. At this time we expect that greater than 90% of our planned 2023 production will come from our base production, with the remainder from workovers and other activities related to existing wellbores, as well as from a limited number of new wells drilled during the year for which we already have permits. As a result of the CalGEM Notice and the Kern County EIR legal challenges, our current capital budget for 2023 has been prepared on the assumption that no permits for new wells will be issued in the area covered by the Kern County EIR in 2023. Furthermore, if we are unable to obtain new well drill permits through the Supplemental EIR or other avenues for CEQA compliance through 2024, we expect there to be a material impact on our 2024 capital plan and certain of our proved undeveloped reserves will expire at the end of 2024. Based on our reserves as of December 31, 2022, if we are unable to obtain permits for new wells through 2024, it will likely result in the loss of some amount of the proved undeveloped reserves expiring at the end of 2024. In addition, any changes to the CEQA compliance requirements or the other conditions and requirements for permit issuance or renewal, including the imposition of new or more stringent environmental reviews or stricter operational or monitoring requirements, or a prohibition on the issuance of new permits for oil and gas activities in Kern County or California as a whole, would have an adverse and material effect on our financial condition, results of operations and prospects. For additional information, see “Items 1 and 2. Business and Properties—Regulation of Health, Safety and Environmental Matters”.

Attempts by the California state government to restrict the production of oil and gas could negatively impact our operations and result in decreased demand for fossil fuels within the states where we operate.

California, where most of our operations and assets are located, is one of the most heavily regulated states in the United States with respect to oil and gas operations. Federal, state and local laws and regulations govern most aspects of E&P in California. Collectively, the effect of the existing laws and regulations is to potentially limit the number and location of our wells through restrictions on the use of our properties, limit our ability to develop certain assets and conduct certain operations, and reduce the amount of oil and natural gas that we can produce from our wells below levels that would otherwise be possible. Additionally, the regulatory burden on the industry increases our costs and consequently may have an adverse effect upon operations, capital expenditures, earnings and our competitive position. Violations and liabilities with respect to these laws and regulations could result in significant administrative, civil, or criminal penalties, remedial clean-ups, natural resource damages, permit modifications or revocations, operational interruptions or shutdowns, reputational damage and other liabilities. The costs of remedying such conditions may be significant, and remediation obligations could adversely affect our financial condition, results of operations and future prospects.

Additionally, the California state government recently has taken several actions that could adversely impact future oil and gas production and other activities in the state. For example:

- In November 2019, the State Department of Conservation issued a press release announcing three actions by CalGEM: (1) a moratorium on approval of new high-pressure cyclic steam wells pending a study of the practice to address surface expressions experienced by certain operators; (2) a review and

update of regulations regarding public health and safety near oil and natural gas operations pursuant to additional duties assigned to CalGEM by the California State Legislature in 2019 (discussed above); (3) a performance audit of CalGEM's permitting processes for issuing WST permits and PALs for underground injection activities by the State Department of Finance; and (4) an independent review of the technical content of pending WST and PAL applications by Lawrence Livermore National Laboratory. In January 2020, CalGEM issued a formal notice to operators, including us, that they had issued restrictions imposing the previously announced moratorium to prohibit new underground oil-extraction wells from using high-pressure cyclic steaming process. The moratorium on permitting for new high-pressure cyclic steam wells and restrictions on WST remains in effect.

- In October 2020, the California Governor issued an executive order that established a state goal to conserve at least 30% of California's land and coastal waters by 2030 and directed state agencies to implement other measures to mitigate climate change and strengthen biodiversity. At this time, we cannot predict the potential future actions that may result from this order or how such may potentially impact our operations.

- In September 2022, the California Governor signed Senate Bill No. 1279 into law, codifying an executive order previously issued by the Governor's Office requiring the state to achieve carbon neutrality by 2045. In addition, Governor Newsom previously issued an executive order that established several goals and directed several state agencies to take certain actions with respect to reducing emissions of greenhouse gases, including, but not limited to: (1) phasing out the sale of vehicles with internal combustion engines; (2) developing strategies for the closure and repurposing of oil and gas facilities in California; and (3) calling on the California State Legislature to enact new laws prohibiting hydraulic fracturing in the state by 2024.

- In September 2022, the California Governor signed into law Senate Bill No. 1137 which prohibits CalGEM from permitting any new wells, or the rework of existing wells, if the proposed new drill or rework is within 3,200 feet of certain sensitive receptors such as homes, schools or parks effective January 1, 2023. On January 6, 2023, CalGEM's emergency regulations to support implementation of Senate Bill No. 1137 were approved by the Office of Administrative Law and final regulations were published. The regulations include applicable requirements of notice to property owners and tenants regarding the work performed and offering the sampling of test water wells or surface water before and after drilling; the contents of required notices for new production facilities; the annual submission of a sensitive receptor inventory and sensitive receptor map and the contents and format of the same; and the requirements of statements where operators have determined a location not to be within a health protection zone. Additional provisions of Senate Bill No. 1137 would also require pollution controls for existing wells and facilities within the same 3,200-foot setback area. Senate Bill No. 1137 is currently stayed pending a vote of the California General Election in November 2024. However, the stay could be delayed if there are legal challenges to the Secretary of State's certification. We continue to assess the impacts of Senate Bill No. 1137 and CalGEM's regulations, but we currently estimate that approximately 13% of our overall proved reserves are within the setbacks established by Senate Bill No. 1137. We do not expect this law to result in any material change in our overall existing proved developed producing reserves or current production rates.

The clear trend in California is to impose increasingly stringent restrictions on oil and natural gas activities. We cannot predict what actions the Governor of California, the Legislature, or state agencies may take in the future, but we could face increased compliance costs, delays in obtaining the approvals necessary for our operations, exposure to increased liability, or other limitations as a result of future actions by these parties. Moreover, new developments resulting from the current and future actions of these parties could also materially and adversely affect our ability to operate, successfully execute drilling plans, or otherwise develop our reserves. Accordingly, recent and future actions by the Governor of California, the Legislature, and state agencies could materially and adversely affect our business, results of operations, and financial condition.

Our ability to operate profitably and maintain our business and financial condition are highly dependent on commodity prices, which historically have been very volatile and are driven by numerous factors beyond our control. If oil prices were to significantly decline for a prolonged period of time, our business, financial condition and results of operations may be materially and adversely affected.

The price we receive for our oil and natural gas production heavily influences our revenue, profitability, value of our reserves, access to capital and future rate of growth, among other factors. However, the price we receive for our oil and natural gas production depends on numerous factors beyond our control, including not limited to, the following:

- overall domestic and global political and economic conditions, including the imposition of tariffs or trade or other economic sanctions, political instability or armed conflict, including the ongoing conflict in Ukraine, rising inflation levels and government efforts to reduce inflation, or a prolonged recession;
- changes in global supply and demand for oil and natural gas, including changes in demand resulting from general and specific economic conditions relating to the business cycle and other factors;
- the actions of OPEC and/or OPEC+;
- the price and quantity of imports of foreign oil and natural gas;
- the level of global oil and natural gas E&P activity
- the level of global oil and natural gas inventories;
- weather conditions;
- domestic and foreign governmental legislative efforts, executive actions and regulations, including environmental regulations, climate change regulations and taxation;
- the effect of energy conservation efforts;
- stockholder activism or activities by non-governmental organizations to limit certain sources of capital for the energy sector or restrict the exploration, development and production of oil and gas;
- technological advances affecting energy consumption; and
- the price and availability of alternative fuels.

Historically, the markets for oil and natural gas have been extremely volatile and will likely continue to be volatile in the future. Oil and natural gas are commodities and, therefore, their prices are subject to wide fluctuations in response to relatively minor changes in supply and demand. Global economic growth drives demand for energy from all sources, including fossil fuels. When the U.S. and global economies experience weakness, demand for energy will decline with accompanying declines in commodity prices; similarly, when growth in global energy production outstrips demand, the excess supply results in commodity price declines.

Concerns over global economic conditions, energy costs, geopolitical issues, such as the ongoing conflict in Ukraine, the impacts of the COVID-19 pandemic, inflation, the availability and cost of credit and slow economic growth in the United States have in the past contributed to significantly reduced economic activity and diminished expectations for the global economy. If the economic climate in the United States or abroad were deteriorate, worldwide demand for petroleum products could further diminish, which could impact the price at which oil, natural gas and NGLs from our properties are sold, affect our level of operations and ultimately materially adversely impact our results of operations, financial condition and free cash flow.

Additionally, although the California market generally receives Brent-influenced pricing, California oil prices are determined ultimately by local supply and demand dynamics. Refer to Item 7—“Management’s Discussion and Analysis of Financial Condition and Results of Operations—Business Environment and Market Conditions”.

Past declines in pricing, and any declines that may occur in the future, can be expected to adversely affect our business, financial condition and results of operations. Such declines adversely affect well and reserve economics and may reduce the amount of oil and natural gas that we can produce economically, resulting in deferral or cancellation of planned drilling and related activities until such time, if ever, as economic conditions improve sufficiently to support such operations. Any extended decline in oil or natural gas prices may materially and adversely affect our future business, financial condition, results of operations, liquidity or ability to finance planned capital expenditures.

The conflict in Ukraine and related price volatility and geopolitical instability could negatively impact our business.

In late February 2022, Russia launched significant military action against Ukraine. The conflict has caused, and could intensify, volatility in the prices of natural gas, oil and NGLs, and the extent and duration of the military action, sanctions and resulting market disruptions have been significant and could continue to have a substantial impact on the global economy and our business for an unknown period of time. There is evidence that the increase in crude oil prices during the first half of calendar year 2022 was partially due to the impact of the conflict between Russia and Ukraine on the global commodity and financial markets, and in response to economic and trade sanctions that certain countries have imposed on Russia. Alternatively, a cessation of the hostilities between Russia and Ukraine as a result of a negotiated withdrawal or otherwise could cause commodity prices to decline, which would reduce the revenues we receive for our oil and gas production. Any such volatility and disruptions may also magnify the impact of the other risks described in this “Risk Factors” section.

The marketability of our production is dependent upon transportation and storage facilities and other facilities, most of which we do not control, and the availability of such transportation and storage capabilities. If we are unable to access such facilities on commercially reasonable terms, our operations would likely be interrupted, our production could be curtailed, and our revenues reduced, among other adverse consequences.

The marketing of oil, natural gas and NGLs production depends in large part on the availability, proximity and capacity of trucks, pipelines and storage facilities, gas gathering systems and other transportation, processing and refining facilities, as well as the existence of adequate markets. Storage and transportation capacity for our production is limited and may become unavailable on commercially reasonable terms or at all. For example, storage and transportation capacity became scarce during the second quarter of 2020 due to the unprecedented dual impact of a severe global oil demand decline coupled with a substantial increase in supply. As traditional tanks filled, large quantities of oil were being stored in offshore tankers around the world, including off the coast of California. Where storage was available, such as offshore tankers, storage costs increased sharply. The potential risk remains that storage for oil may be unavailable and our existing capacity may be insufficient to support planned production rates in the event of another deterioration in demand or a supply surge or both.

Moreover, if the imbalance between supply and demand and the related shortage of storage capacity worsen, the prices we receive for our production could deteriorate and could potentially even become negative. Additionally, if we were unable to obtain the needed storage capacity, we could be forced to shut-in a significant amount of our California production, which could have a material adverse effect on our financial condition, liquidity and operational results. If we are forced to shut in production, we would incur additional costs to bring the associated wells back online. While production is shut in, we would likely incur additional costs and operating expenses to, among other things, maintain the health of the reservoirs, meet contractual obligations and protect our interests, without the associated revenue. Additionally, depending on the duration of the shut-in, and whether we have also shut in steam injection for the associated reservoirs rather than incur those costs, the wells may not, initially or at all, come back online at similar rates to those at the time of shut-in. Depending on the duration of the steam injection shut-in time, and the resulting inefficiency and economics of restoring the reservoir to its energetic and heated state, our proved reserve estimates could be decreased and there could be potential additional impairments and associated charges to our earnings. A reduction in our reserves could also result in a reduction to our borrowing base under the 2021 RBL Facility and our liquidity. The ultimate significance of the impact of any production disruptions, including the extent of the adverse impact on our financial and operational results, will be dictated by the length of

time that such disruptions continue, which will in turn depend on how long storage remains filled and unavailable to us, which is largely unpredictable and based on factors outside of our control.

In addition to the constraints we may face due to storage capacity shortages, the volume of oil and natural gas that we can produce is subject to limitations resulting from pipeline interruptions due to scheduled and unscheduled maintenance, excessive pressure, and physical damage to the gathering, transportation, storage, processing, fractionation, refining or export facilities that we utilize. The curtailments arising from these and similar circumstances may last from a few days to several months or longer and, in many cases, we may be provided only limited, if any, advance notice as to when these circumstances will arise and their duration. Any such shut in or curtailment, or any inability to obtain favorable terms for delivery of the oil and natural gas produced from our fields, would adversely affect our financial condition and results of operations.

Estimates of proved reserves and related future net cash flows are not precise. The actual quantities of our proved reserves and future net cash flows may prove to be lower than estimated.

Estimation of reserves and related future net cash flows is a partially subjective process of estimating accumulations of oil and natural gas that includes many uncertainties. Our estimates are based on various assumptions, which may ultimately prove to be inaccurate, including:

- the similarity of reservoir performance in other areas to expected performance from our assets;
- the quality, quantity and interpretation of available relevant data;
- commodity prices;
- production, operating costs, taxes and costs related to GHG regulations;
- development costs;
- the effects of government regulations, including our ability to obtain permits in a timely manner, or at all, for proved undeveloped reserves; and
- future workover and asset retirement costs.

Misunderstanding these variables, inaccurate assumptions, changed circumstances or new information could require us to make significant negative reserves revisions.

We currently expect improved recovery, extensions and discoveries and, potentially acquisitions, to be our main sources for reserves additions. However, factors such as the availability of capital, geology, government regulations and our ability to obtain permits, the effectiveness of development plans and other factors could affect the source or quantity of future reserves additions. Any material inaccuracies in our reserves estimates could materially affect the net present value of our reserves, which could adversely affect our borrowing base and liquidity under the 2021 RBL Facility, as well as our results of operations.

Unless we replace oil and natural gas reserves, our future reserves and production will decline.

Unless we conduct successful development and exploration activities or acquire properties containing proved reserves, our proved reserves will decline as those reserves are produced. Success requires us to deploy sufficient capital to projects that are geologically and economically attractive which is subject to the capital, development, operating and regulatory risks already discussed above under the heading “—Our business requires continual capital expenditures. We may be unable to fund these investments through operating cash flow or obtain any needed additional capital on satisfactory terms or at all, which could lead to a decline in our oil and natural gas reserves or production. Our capital program is also susceptible to risks, including regulatory and permitting risks, that could materially affect its implementation.” The Company reduced its planned capital expenditures in 2020 in response to the effects of COVID-19 and the actions of OPEC+, which negatively impacted production during 2020. While we subsequently increased our planned capital expenditures for 2021, it is possible that lower-than-expected demand and prices for commodities in the future could materially and adversely affect our future planned capital

expenditures. Furthermore, beginning in the second quarter of 2022, we adjusted our 2022 capital development program due to the delays in permit issuance and insufficient permit inventory. As a result of ongoing regulatory uncertainty in California, our 2023 capital program has been prepared based on the assumption that no permits for new wells will be issued under the Kern County EIR in 2023. If we are unable to obtain new well drill permits through 2024, it will likely result in the loss of some amount of the proved undeveloped reserves expiring at the end of 2024.

Over the long term, a continuing decline in our production and reserves would reduce our liquidity and ability to satisfy our debt obligations by reducing our cash flow from operations and the value of our assets.

Drilling for and producing oil and natural gas involves many uncertainties that could adversely affect our results.

The success of our development, production and acquisition activities are subject to numerous risks beyond our control, including the risk that drilling will not result in commercially viable production or may result in a downward revision of our estimated proved reserves due to:

- poor production response;
- ineffective application of recovery techniques;
- increased costs of drilling, completing, stimulating, equipping, operating, maintaining and abandoning wells;
- delays or cost overruns caused by equipment failures, accidents, environmental hazards, adverse weather conditions, permitting or construction delays, title disputes, surface access disputes and other matters; and
- misinterpretation of geophysical and geological analyses, production data and engineering studies.

Additional factors may delay or cancel our operations, including:

- delays due to regulatory requirements and procedures, including unavailability or other restrictions limiting permits and limitations on water disposal, emission of GHGs, steam injection and well stimulation, such as California's recent limitations on cyclic steaming above the fracture gradient;
- pressure or irregularities in geological formations;
- shortages of or delays in obtaining equipment, qualified personnel or supplies including water for steam used in production or pressure maintenance;
- delays in access to production or pipeline transmission facilities; and
- power outages imposed by utilities which provide a portion of our electricity needs in order to avoid fire hazards and inspect lines in connection with seasonal strong winds, which have begun to occur recently and may impact our operations.

Any of these risks can cause substantial losses, including personal injury or loss of life, damage to property, reserves and equipment, pollution, environmental contamination and regulatory penalties.

We may not drill our identified sites at the times we scheduled or at all.

We have specifically identified locations for drilling over the next several years, which represent a significant part of our long-term growth strategy. Our actual drilling activities may materially differ from those presently identified. Legislative and regulatory developments, such as California's recently adopted setback rules, could prevent us from planned drilling activities. Additionally, as discussed under "—Risks Related to Regulatory Matters," new regulations and legislative activity could result in a significant delay or decline in, and/or the incurrence of additional costs for, the approval of the permits required to develop our properties in accordance with our plans. If future drilling results in these projects do not establish sufficient reserves to achieve an economic

return, we may curtail drilling or development of these projects. Accordingly, we cannot guarantee that these prospective drilling locations or any other drilling locations we have identified will ever be drilled or if we will be able to economically produce oil or natural gas from these drilling locations. In addition, some of our leases could expire if we do not establish production in the leased acreage. The combined net acreage covered by leases expiring in the next three years represented approximately 3% of our total net acreage at December 31, 2022.

Competition in the oil and natural gas industry is intense, making it more difficult for us to acquire properties, market oil or natural gas and secure trained personnel.

Our future success will depend on our ability to evaluate, select and acquire suitable properties, market our production and secure skilled personnel to operate our assets in a highly competitive environment. Also, there is substantial competition for capital available for investment in the oil and natural gas industry. Many of our competitors possess and employ greater financial, technical and personnel resources than we do.

We may be unable to make attractive acquisitions or successfully integrate acquired businesses or assets or enter into attractive joint ventures, and any inability to do so may disrupt our business and hinder our ability to grow.

There is no guarantee we will be able to identify or complete attractive acquisitions. Our capital expenditure budget for 2023 does not allocate any amounts for acquisitions of oil and natural gas properties. If we make acquisitions, we would need to use cash flows or seek additional capital, both of which are subject to uncertainties discussed in this section. Competition may also increase the cost of, or cause us to refrain from, completing acquisitions. Our debt arrangements impose certain limitations on our ability to enter into mergers or combination transactions and to incur certain indebtedness. See “—Our existing debt agreements have restrictive covenants that could limit our growth, financial flexibility and our ability to engage in certain activities.” In addition, the success of completed acquisitions will depend on our ability to integrate effectively the acquired business into our existing operations, may involve unforeseen difficulties and may require a disproportionate amount of our managerial and financial resources.

We are dependent on our cogeneration facilities to produce steam for our operations. Contracts for the sale of surplus electricity, economic market prices and regulatory conditions affect the economic value of these facilities to our operations.

We are dependent on four cogeneration facilities that, combined, provide approximately 16% of our steam capacity and approximately 55% of our field electricity needs in California at a discount to market rates. To further offset our costs, we sell surplus power to California utility companies produced by certain of our cogeneration facilities under long-term contracts. Should we lose, be unable to renew on favorable terms, or be unable to replace such contracts, we may be unable to realize the cost offset currently received. Our ability to benefit from these facilities is also affected by our ability to consistently generate surplus electricity and fluctuations in commodity prices. For example, during 2021 electricity sales increased by \$10 million, or 38%, due to higher unit sales during the summer when we receive peak pricing, and higher year-over-year gas pricing. Furthermore, market fluctuations in electricity prices and regulatory changes in California could adversely affect the economics of our cogeneration facilities and any corresponding increase in the price of steam could significantly impact our operating costs. If we were unable to find new or replacement steam sources, lose existing sources or experience installation delays, we may be unable to maximize production from our heavy oil assets. If we were to lose our electricity sources, we would be subject to the electricity rates we could negotiate. For a more detailed discussion of our electricity sales contracts, see “Items 1 and 2. Business and Properties—Operational Overview—Electricity.”

Our producing properties are located primarily in California, making us vulnerable to risks associated with having operations concentrated in this geographic area.

We operate primarily in California, which is one of the most heavily regulated states in the United States with respect to oil and gas operations. This geographic concentration disproportionately affects the success and profitability of our operations exposing us to local price fluctuations, changes in state or regional laws and regulations, political risks, limited acquisition opportunities where we have the most operating experience and

infrastructure, limited storage options, drought conditions, and other regional supply and demand factors, including gathering, pipeline and transportation capacity constraints, limited potential customers, infrastructure capacity and availability of rigs, equipment, oil field services, supplies and labor. We discuss such specific risks to our California operations in more detail elsewhere in this section.

Most of our operations are in California, much of which is conducted in areas that may be at risk of damage from fire, mudslides, earthquakes, floods or other natural disasters or extreme weather events.

We currently conduct operations in California near known wildfire and mudslide areas and earthquake fault zones. A future natural disaster, or extreme weather event, such as a fire, mudslide, flood, drought or an earthquake, could cause substantial interruption and delays in our operations, damage or destroy equipment, prevent or delay transport of our products and cause us to incur additional expenses, which would adversely affect our business, financial condition and results of operations. In addition, our facilities would be difficult to replace and would require substantial lead time to repair or replace. For example, in December of 2022, severe winter storms caused operational challenges, production downtime, and much higher natural gas prices in California. Extreme, adverse weather conditions, including flooding, have continued in the first quarter of 2023 and impacted our operations and production levels. These events could occur with greater frequency as a result of the potential impacts from climate change. The insurance we maintain against earthquakes, mudslides, fires, floods and other natural disasters would not be adequate to cover a total loss of our facilities, may not be adequate to cover our losses in any particular case and may not continue to be available to us on acceptable terms, or at all.

Operational issues and inability or unwillingness of third parties to provide sufficient facilities and services to us on commercially reasonable terms or otherwise could restrict access to markets for the commodities we produce.

Our ability to market our production of oil, gas and NGLs depends on a number of factors, including the proximity of production fields to pipelines, refineries and terminal facilities, competition for capacity on such facilities, damage, shutdowns and turnarounds at such facilities and their ability to gather, transport or process our production. If these facilities are unavailable to us on commercially reasonable terms or otherwise, we could be forced to shut in some production or delay or discontinue drilling plans and commercial production following a discovery of hydrocarbons. We rely, and expect to rely in the future, on third-party facilities for services such as storage, processing and transmission of our production. Our plans to develop and sell our reserves could be materially and adversely affected by the inability or unwillingness of third parties to provide sufficient facilities and services to us on commercially reasonable terms or otherwise. If our access to markets for commodities we produce is restricted, our costs could increase and our expected production growth may be impaired.

We may incur substantial losses and be subject to substantial liability claims as a result of catastrophic events. We may not be insured for, or our insurance may be inadequate to protect us against, these risks.

We are not fully insured against all risks. Our oil and natural gas E&P activities, are subject to risks such as fires, explosions, oil and natural gas leaks, oil spills, pipeline and tank ruptures and unauthorized discharges of brine, well stimulation and completion fluids, toxic gases or other pollutants into the surface and subsurface environment, equipment failures and industrial accidents. We are exposed to similar risks indirectly through our customers and other market participants such as refiners. Other catastrophic events such as earthquakes, floods, mudslides, fires, droughts, contagious diseases, terrorist attacks and other events that cause operations to cease or be curtailed may adversely affect our business and the communities in which we operate. For example, utilities have begun to suspend electric services to avoid wildfires during windy periods in California, a business disruption risk that is not insured. We may be unable to obtain, or may elect not to obtain, insurance for certain risks if we believe that the cost of available insurance is excessive relative to the risks presented.

We may be involved in legal proceedings that could result in substantial liabilities.

Like many oil and natural gas companies, we are from time to time involved in various legal and other proceedings, such as title, royalty or contractual disputes, regulatory compliance matters and personal injury or property damage matters, in the ordinary course of our business. Such legal proceedings are inherently uncertain and

their results cannot be predicted. Regardless of the outcome, such proceedings could have a material adverse impact on us because of legal costs, diversion of the attention of management and other personnel and other factors. In addition, resolution of one or more such proceedings could result in liability, loss of contractual or other rights, penalties or sanctions, as well as judgments, consent decrees or orders requiring a change in our business practices. Accruals for such liability, penalties or sanctions may be insufficient, and judgments and estimates to determine accruals or range of losses related to legal and other proceedings could change materially from one period to the next.

The loss of senior management or technical personnel, or our inability to successfully adapt to the new executive leadership team, could adversely affect our results and operations.

We depend on, and could be deprived of, the services of our senior management and technical personnel. We do not maintain, nor do we plan to obtain, any insurance against the loss of services of any of these individuals.

In November 2022, we announced a significant change to our management team, including effective January 1, 2023, the Chief Executive Officer transitioning to the role of Executive Chair, the Chief Financial Officer temporarily retaining his role as member of the Board and serving as strategic advisor to the new management team (to terminate March 4, 2023), and the promotion of a new Chief Executive Officer (our former Chief Operating Officer, which position was eliminated), President (our former General Counsel and Corporate Secretary), Chief Financial Officer (our Chief Accounting Officer, which position he also has maintained) and General Counsel and Corporate Secretary (our former Associate General Counsel). Although the newly appointed executive team has extensive experience with the Company and our industry, this leadership transition may result in changes to our management style, operations and strategies. Any significant leadership change or senior management transition involves inherent risk and any failure to ensure a smooth transition could hinder our strategic planning, business execution and future performance. In particular, this or any future leadership transition may result in a loss of personnel with deep institutional or technical knowledge and changes in business strategy or objectives, and has the potential to disrupt our operations and relationships with employees and customers due to added costs, operational inefficiencies, changes in strategy, decreased employee morale and productivity and increased turnover. Failure to successfully transition to the new leadership team could affect our ability to attract and retain skilled personnel and could have an adverse effect on our results of operations, business and financial position.

Information technology and operational failures and cyberattacks could affect us significantly.

We rely on electronic systems and networks to communicate, control and manage our operations and prepare our financial management and reporting information. User access and security of our sites and systems are critical elements of our operations, as are cloud security and protection against cybersecurity incidents. Without accurate data from and access to these systems and networks, our ability to communicate and control and manage our business could be adversely affected.

We face various security threats, including cybersecurity threats to gain unauthorized access to sensitive information or to render data or systems unusable, threats to the security of our facilities and infrastructure or third-party facilities and infrastructure, such as processing plants and pipelines, and threats from terrorist acts. We have experienced cybersecurity incidents but have not suffered any material adverse impacts to our business and operations as a result of such incidents. Our implementation of various procedures and controls to monitor and mitigate security threats and to increase security for our information, facilities and infrastructure may result in increased capital and operating costs. Moreover, there can be no assurance that such procedures and controls will be sufficient to prevent security breaches from occurring. If security breaches were to occur, they could lead to losses of sensitive information, critical infrastructure or capabilities essential to our operations, misdirected wire transfers, or other adverse events. If we were to experience an attack and our security measures failed, the potential consequences to our business and the communities in which we operate could be significant and could harm our reputation and lead to financial losses from remedial actions, loss of business or potential liability, including regulatory enforcement, violation of privacy or securities laws and regulations, and individual or class action claims.

The energy industry has become increasingly dependent on digital technologies to conduct day-to-day operations, and the use of mobile communication devices has rapidly increased. Industrial control systems such as supervisory control and data acquisition (“SCADA”) systems now control large-scale processes that can include multiple sites across long distances. The Company’s technologies, systems, networks, including its SCADA system, and those of its business partners may become the target of cyber-attacks or security breaches.

Increasing attention to environmental, social and governance (ESG) matters may impact our business.

Increasing attention to, and social expectations on companies to address, climate change and other environmental and social impacts, investor and societal explanations regarding voluntary ESG disclosures, and increased consumer demand for alternative forms of energy may result in increased costs, reduced demand for our products, reduced profits, increased investigations and litigation, and negative impacts on our stock price and access to capital markets. Increasing attention to climate change and environmental conservation, for example, may result in demand shifts for oil and natural gas products and additional governmental investigations and private litigation against us. To the extent that societal pressures or political or other factors are involved, it is possible that such liability could be imposed without regard to our causation of or contribution to the asserted damage, or to other mitigating factors. While we may participate in various voluntary frameworks and certification programs to improve the ESG profile of our operations and products, we cannot guarantee that such participation or certification will have the intended results on our or our products’ ESG profile.

Moreover, while we may create and publish voluntary disclosures regarding ESG matters from time to time, many of the statements in those voluntary disclosures will be based on hypothetical expectations and assumptions that may or may not be representative of current or actual risks or events or forecasts of expected risks or events, including the costs associated therewith. Such expectations and assumptions are necessarily uncertain and may be prone to error or subject to misinterpretation given the long timelines involved and the lack of an established single approach to identifying, measuring and reporting on many ESG matters. Additionally, while we may also announce various voluntary ESG targets in the near future, such targets are aspirational. We may not be able to meet such targets in the manner or on such a timeline as initially contemplated, including, but not limited to as a result of unforeseen costs or technical difficulties associated with achieving such results. To the extent we do meet such targets, it may be achieved through various contractual arrangements, including the purchase of various credits or offsets that may be deemed to mitigate our ESG impact instead of actual changes in our ESG performance. However, we cannot guarantee that there will be sufficient offsets available for purchase given the increased demand from numerous businesses implementing net zero goals, or that, notwithstanding our reliance on any reputable third party registries, that the offsets we do purchase will successfully achieve the emissions reductions they represent. Also, despite these aspirational goals, we may receive pressure from investors, lenders, or other groups to adopt more aggressive climate or other ESG-related goals, but we cannot guarantee that we will be able to implement such goals because of potential costs or technical or operational obstacles.

In addition, organizations that provide information to investors on corporate governance and related matters have developed ratings processes for evaluating companies on their approach to ESG matters. Such ratings are used by some investors to inform their investment and voting decisions. Unfavorable ESG ratings may lead to increased negative investor sentiment toward us or our customers and to the diversion of investment to other industries which could have a negative impact on our stock price and/or our access to and costs of capital. Moreover, to the extent ESG matters negatively impact our reputation, we may not be able to compete as effectively or recruit or retain employees, which may adversely affect our operations.

Public statements with respect to ESG matters, such as emissions reduction goals, other environmental targets, or other commitments addressing certain social issues, are becoming increasingly subject to heightened scrutiny from public and governmental authorities related to the risk of potential “greenwashing,” *i.e.* misleading information or false claims overstating potential ESG benefits. For example, in March 2021, the SEC established the Climate and ESG Task Force in the Division of Enforcement to identify and address potential ESG-related misconduct, including greenwashing. Certain non-governmental organizations and other private actors have also filed lawsuits under various securities and consumer protection laws alleging that certain ESG statements, goals, or standards were misleading, false, or otherwise deceptive. As a result, we may face increased litigation risks from private parties and

governmental authorities related to our ESG efforts. In addition, any alleged claims of greenwashing against us or others in our industry may lead to further negative sentiment and diversion of investments. Additionally, we could face increasing costs as we attempt to comply with and navigate further ESG-related focus and scrutiny.

Such ESG matters may also impact our customers or suppliers, which may adversely impact our business, financial condition, or results of operations.

We are subject to economic downturns and the effects of public health events, such as the COVID-19 pandemic, which may materially and adversely affect the demand and the market price for our products.

The COVID-19 pandemic has adversely affected the global economy, and has resulted in, among other things, travel restrictions, business closures and the institution of quarantining and other mandated and self-imposed restrictions on movement. The severity, magnitude and duration of COVID-19 or another pandemic, the extent of actions that have been or may be taken to contain or treat their impact, and the impacts on the economy generally and oil prices in particular, are uncertain, rapidly changing and hard to predict. This uncertainty could force us to reduce costs, including by decreasing operating expenses and lowering capital expenditures, and such actions could negatively affect future production and our reserves. We may experience labor shortages if our employees are unwilling or unable to come to work because of illness, quarantines, government actions or other restrictions in connection with the pandemic. If our suppliers cannot deliver the materials, supplies and services we need, we may need to suspend operations. In addition, we are exposed to changes in commodity prices which have been and will likely remain volatile. We cannot predict the duration and extent of the pandemic's adverse impact on our operating results.

Additionally, to the extent the COVID-19 pandemic or any resulting worsening of the global business and economic environment adversely affects our business and financial results, it may also have the effect of heightening or exacerbating many of the other risks described in the “Risk Factors” herein.

Risks Related to Our Financial Condition

We may not be able to use a portion of our net operating loss carryforwards and other tax attributes to reduce our future U.S. federal and state income tax obligations, which could adversely affect our cash flows.

We currently have substantial U.S. federal and state net operating loss (“NOL”) carryforwards and U.S. federal general business credits. Our ability to use these tax attributes to reduce our future U.S. federal and state income tax obligations depends on many factors, including our future taxable income, which cannot be assured. In addition, our ability to use NOL carryforwards and other tax attributes may be subject to significant limitations under Section 382 and Section 383 of the Internal Revenue Code of 1986, as amended (the “Code”). Under those sections of the Code, if a corporation undergoes an “ownership change” (as defined in Section 382 of the Code), the corporation’s ability to use its pre-change NOL carryforwards and other tax attributes may be substantially limited.

Determining the limitations under Section 382 of the Code is technical and highly complex. A corporation generally will experience an ownership change if one or more stockholders (or groups of stockholders) who are each deemed to own at least 5% of the corporation’s stock increase their ownership by more than 50 percentage points over their lowest ownership percentage within a rolling three-year period. We may in the future undergo an ownership change under Section 382 of the Code. If an ownership change occurs, our ability to use our NOL carryforwards and other tax attributes to reduce our future U.S. federal and state income tax obligations may be materially limited, which could adversely affect our cash flows.

Our business requires continual capital expenditures. We may be unable to fund these investments through operating cash flow or obtain any needed additional capital on satisfactory terms or at all, which could lead to a

decline in our oil and natural gas reserves or production. Our capital program is also susceptible to risks, including regulatory and permitting risks, that could materially affect its implementation.

Our industry is capital intensive. We have a 2023 capital expenditure budget of between \$95 to \$105 million, excluding CJWS capital of approximately \$8 million. The actual amount and timing of our future capital expenditures may differ materially from our estimates as a result of, among other things, commodity prices, actual drilling results, the availability of drilling rigs and other services and equipment, the availability of permits, and our ability to obtain them in a timely manner or at all, legal and regulatory processes and other restrictions, and technological and competitive developments. Our current capital program for 2023 focuses on new wells drilled during the year for which we already have permits or have existing CEQA analysis completed, and otherwise focuses on workovers and other activities related to existing wellbores. As a result of ongoing regulatory uncertainty in California, the capital program has been prepared based on the assumption that no permits for new wells will be issued under the Kern County EIR in 2023. In addition, a reduction or sustained decline in commodity prices from current levels may force us to reduce our capital expenditures, which would negatively impact our ability to grow production. Current and future laws and regulations may prevent us from being able to execute our drilling programs and development and optimization projects.

We expect to fund our 2023 capital expenditures with cash flows from our operations, supplemented by cash which was built as excess free cash flow 2022; however, our cash flows from operations, and access to capital should such cash flows and cash prove inadequate, are subject to a number of variables, including:

- the volume of hydrocarbons we are able to produce from existing wells and our ability to bring those to market;
- the prices at which our production is sold and our operating expenses;
- the success of our hedging program;
- our proved reserves, including our ability to acquire, locate and produce new reserves;
- our ability to borrow under the 2021 RBL Facility;
- and our ability to access the capital markets.

If our revenues or the borrowing base under the 2021 RBL Facility decrease as a result of lower oil, natural gas and NGL prices, lack of required permits and other operating difficulties, declines in reserves or for any other reason, we may have limited ability to obtain the capital necessary to sustain our operations and growth at current levels. If additional capital were needed, we may not be able to obtain debt or equity financing on terms acceptable to us, if at all. Any additional debt financing would carry interest costs, diverting capital from our business activities, which in turn could lead to a decline in our reserves and production. If cash flows generated by our operations or available borrowings under the 2021 RBL Facility were not sufficient to meet our capital requirements, the failure to obtain additional financing could result in a curtailment of our operations relating to development of our properties. See “Item 7. Management’s Discussion and Analysis of Financial Condition and Results of Operations-Liquidity and Capital Resources.”

Inflation could adversely impact our ability to control our costs, including our operating expenses and capital costs.

The U.S. inflation rate has been steadily increasing since 2021 and throughout much of 2022. Such inflationary pressures have resulted from supply chain disruptions caused by the COVID pandemic, increased demand, labor shortages and other factors, including the conflict between Russia and the Ukraine which began in late February 2022. Similar to other companies in our industry, we have experienced inflationary pressures on our operating costs - namely inflationary pressures have resulted in increases to the costs of our goods, services and personnel, which in turn, have caused our capital expenditures and operating costs to rise. Although inflation rates started to stabilize in late 2022 and even decrease from the levels experienced earlier in the year, we are unable to accurately predict if such inflationary pressures and contributing factors will continue into 2023. To the extent elevated inflation remains, we may experience further cost increases for our operations, including natural gas purchases and oilfield services

and equipment as increasing oil, natural gas and NGL prices increase drilling activity in our areas of operations, as well as increased labor costs. An increase in oil, natural gas and NGL prices may cause the costs of materials and services to rise. We cannot predict any future trends in the rate of inflation and a significant increase in inflation, to the extent we are unable to recover higher costs through higher commodity prices and revenues, would negatively impact our business, financial condition and results of operation.

Our hedging activities limit our ability to realize the full benefits of increases in commodity prices and our potential gains.

We enter into hedges to manage our exposure to price risks in the marketing of our oil and natural gas, mitigate our economic exposure to commodity price volatility and ensure our financial strength and liquidity by protecting our cash flows. In addition, we also hedge to meet the hedging requirements of the 2021 RBL Facility. The 2021 RBL Facility requires us to maintain commodity hedges (other than three-way collars) on minimum notional volumes of (i) at least 75% of our reasonably projected production of crude oil from our proved developed producing (“PDP”) reserves, for 24 full calendar months after the effective date of the 2021 RBL Facility and after each May 1 and November 1 of each calendar year (each, a “Minimum Hedging Requirement Date”) and (ii) at least 50% of our reasonably projected production of crude oil from our PDP reserves, for each full calendar month during the period from and including the 25th full calendar month following each such Minimum Hedging Requirement Date through and including the 36th full calendar month following each such Minimum Hedging Requirement Date; provided, that in the case of each of the above clauses (i) and (ii), the notional volumes hedged are deemed reduced by the notional volumes of any short puts or other similar derivatives having the effect of exposing us to commodity price risk below the “floor”. In addition to minimum hedging requirements and other restrictions in respect of hedging described therein, the 2021 RBL Facility contains restrictions on our commodity hedging which prevent us from entering into hedging agreements (i) with a tenor exceeding 48 months or (ii) for notional volumes which (when aggregated with other hedges then in effect other than basis differential swaps on volumes already hedged) exceed, as of the date such hedging agreement is executed, 90% of our reasonably projected production of crude oil from our PDP reserves, for each month following the date such hedging agreement is entered into, provided that the volume limitations above do not apply to short puts or put options contracts that are not related to corresponding calls, collars or swaps.

While intended to reduce the effects of volatile oil and natural gas prices, such transactions, depending on the hedging instrument used, may limit our potential gains if oil and natural gas prices were to rise substantially over the price established by the hedge or expose us to the risk of financial losses depending on commodity price movements and other circumstances. Our ability to realize the benefits of our hedges also depends in part upon the counterparties to these contracts honoring their financial obligations. If any of our counterparties are unable to perform their obligations in the future, we could be exposed to increased cash flow volatility that could affect our liquidity.

We may be unable to, or may choose not to, enter into sufficient fixed-price purchase or other hedging agreements to fully protect against decreasing spreads between the price of natural gas and oil on an energy equivalent basis or may otherwise be unable to obtain sufficient quantities of natural gas to conduct our steam operations economically or at desired levels, and our commodity price risk management activities may prevent us from fully benefiting from price increases and may expose us to other risks.

To develop our heavy oil in California we must economically generate steam using natural gas. We seek to reduce our exposure to the potential unavailability of, pricing increases for, and volatility in pricing of, natural gas by entering into fixed-price purchase agreements and other hedging transactions. We seek to reduce our exposure to potential price increases and volatility in pricing of oil by entering into swaps, calls and other hedging transactions. We may be unable to, or may choose not to, enter into sufficient agreements to fully protect against decreasing spreads between the price of natural gas and oil on an energy equivalent basis or may otherwise be unable to obtain sufficient quantities of natural gas to conduct our steam operations economically or at desired levels.

In addition, we also hedge to meet the hedging requirements of the 2021 RBL Facility, which requires us to maintain commodity hedges (other than three-way collars) on minimum notional volumes of (i) at least 75% of our

reasonably projected production of crude oil from our PDP reserves, for 24 full calendar months after the effective date of the 2021 RBL Facility and after each May 1 and November 1 of each calendar year and (ii) at least 50% of our reasonably projected production of crude oil from our PDP reserves, for each full calendar month during the period from and including the 25th full calendar month following each such Minimum Hedging Requirement Date through and including the 36th full calendar month following each such Minimum Hedging Requirement Date; provided, that in the case of each of the above clauses (i) and (ii), the notional volumes hedged are deemed reduced by the notional volumes of any short puts or other similar derivatives having the effect of exposing us to commodity price risk below the “floor”. In addition to minimum hedging requirements and other restrictions in respect of hedging described therein, the 2021 RBL Facility contains restrictions on our commodity hedging which prevent us from entering into hedging agreements (i) with a tenor exceeding 48 months or (ii) for notional volumes which (when aggregated with other hedges then in effect other than basis differential swaps on volumes already hedged) exceed, as of the date such hedging agreement is executed, 90% of our reasonably projected production of crude oil from our PDP reserves, for each month following the date such hedging agreement is entered into, provided that the volume limitations above do not apply to short puts or put options contracts that are not related to corresponding calls, collars, or swaps.

Our commodity price risk management activities as well as the hedging requirements of the 2021 RBL facility may prevent us from fully benefiting from price increases. Additionally, our hedges are based on major oil and gas indexes, which may not fully reflect the prices we realize locally. Consequently, the price protection we receive may not fully offset local price declines.

As of December 31, 2022, we have hedged gas purchases at the following approximate volumes and prices: 45,800 mmbtu/d at \$5.14 per mmbtu in 2023.

Our commodity price risk management activities may also expose us to the risk of financial loss in certain circumstances, including instances in which:

- the counterparties to our hedging or other price-risk management contracts fail to perform under those arrangements; and
- an event materially impacts oil and natural gas prices in the opposite direction of our derivative positions.

Our existing debt agreements have restrictive covenants that could limit our growth, financial flexibility and our ability to engage in certain activities. In addition, the borrowing base under the 2021 RBL Facility is subject to periodic redeterminations and our lenders could reduce capital available to us for investment.

The 2021 RBL Facility, the 2022 ABL Facility and the indenture governing our 2026 Notes have restrictive covenants that could limit our growth, financial flexibility and our ability to engage in activities that may be in our long-term best interests. Failure to comply with these covenants could result in an event of default that, if not cured or waived, could result in the acceleration of all of our indebtedness. These agreements contain covenants, that, among other things, limit our ability to:

- incur or guarantee additional indebtedness or issue certain types of preferred stock;
- pay dividends on capital stock or redeem, repurchase or retire our capital stock or subordinated indebtedness;
- transfer, sell or dispose of assets;
- make investments;
- create certain liens securing indebtedness;
- enter into agreements that restrict dividends or other payments from our restricted subsidiaries to us;
- consolidate, merge or transfer all or substantially all of our assets;
- hedge future production or interest rates;

- repay or prepay certain indebtedness prior to the due date;
- engage in transactions with affiliates; and
- engage in certain other transactions without the prior consent of the lenders.

In addition, the 2021 RBL Facility and the 2022 ABL Facility require us and CJWS, respectively, requires us to maintain certain financial ratios or to reduce our indebtedness if we are unable to comply with such ratios, which may limit our ability to borrow funds to withstand a future downturn in our business, or to otherwise conduct necessary corporate activities. We may also be prevented from taking advantage of business opportunities that arise because of these limitations.

In addition, the 2021 RBL Facility has hedging requirements which may limit our potential gains if oil and natural gas prices were to rise substantially over the price established by the hedge or expose us to the risk of financial loss in certain circumstances.

Our failure to comply with these covenants could result in an event of default that, if not cured or waived, could result in the acceleration of all of our indebtedness. If that occurs, we may not be able to make all of the required payments or borrow sufficient funds to refinance such indebtedness. Even if new financing were available at that time, it may not be on terms that are acceptable to us.

The amount available to be borrowed under the 2021 RBL Facility is subject to a borrowing base and will be redetermined semiannually and will depend on the estimated volumes and cash flows of our proved oil and natural gas reserves and other information deemed relevant by the administrative agent of, or two-thirds of the lenders under, the 2021 RBL Facility. We, the administrative agent and lenders, each may request one additional redetermination between each regularly scheduled redetermination. Furthermore, our borrowing base is subject to automatic reductions due to certain asset sales and hedge terminations, the incurrence of certain other debt and other events as provided in the 2021 RBL Facility. For example, the 2021 RBL Facility currently provides that to the extent we incur certain unsecured indebtedness, our borrowing base will be reduced by an amount equal to 25% of the amount of such unsecured debt that exceeds the amount, if any, of certain other debt that is being refinanced by such unsecured debt. Reduction of our borrowing base under the 2021 RBL Facility could reduce the capital available to us for investment in our business. Additionally, we could be required to repay a portion of the 2021 RBL Facility to the extent that after a redetermination our outstanding borrowings at such time exceed the redetermined borrowing base. The 2022 ABL Facility is also subject to adjustments to the borrowing base.

For additional details regarding the terms of the 2021 RBL Facility, the 2022 ABL Facility and our 2026 Notes, see “Liquidity and Capital Resources”.

We may not be able to generate sufficient cash to service all of our indebtedness and may be forced to take other actions to satisfy our obligations under our debt arrangements, which may not be successful.

As of December 31, 2022, we had \$400 million outstanding on our 2026 Notes and no outstanding borrowings under our 2021 RBL Facility, with approximately \$193 million of available borrowings capacity. As of December 31, 2022, CJWS had no borrowings outstanding with \$13 million of available borrowing capacity under the 2022 ABL Facility. Our ability to make scheduled payments on or to refinance our debt obligations, including the 2021 RBL Facility, the 2022 ABL Facility and our 2026 Notes, depends on our financial condition and operating performance, which are subject to prevailing economic and competitive conditions and certain financial, business and other factors that may be beyond our control. If oil and natural gas prices remain at low levels for an extended period of time or further deteriorate, our cash flows from operating activities may be insufficient to permit us to pay the principal, premium, if any, and interest on our indebtedness. In the absence of sufficient cash flows and capital resources, we could face substantial liquidity problems and might be required to dispose of material assets or operations to meet debt service and other obligations. The 2021 RBL Facility, the 2022 ABL Facility and our 2026 Notes currently restrict our ability to dispose of assets and our use of the proceeds from any such disposition. We may not be able to consummate dispositions, and the proceeds of any such disposition may not be adequate to meet any debt service obligations then due.

Declines in commodity prices, changes in expected capital development, increases in operating costs or adverse changes in well performance may result in write-downs of the carrying amounts of our assets.

We evaluate the impairment of our oil and natural gas properties whenever events or changes in circumstances indicate that the carrying value may not be recoverable. Based on specific market factors and circumstances at the time of prospective impairment reviews, and the continuing evaluation of development plans, production data, economics and other factors, we may be required to write down the carrying value of our properties. A write down constitutes a non-cash charge to earnings. For example, in the first quarter of 2020, we recorded a non-cash pre-tax asset impairment charge of \$289 million on proved properties in Utah and certain California locations.

We have significant concentrations of credit risk with our customers and the inability of one or more of our customers to meet their obligations or the loss of any one of our major oil and natural gas purchasers may have a material adverse effect on our business, financial condition, results of operations and cash flows.

We have significant concentrations of credit risk with the purchasers of our oil and natural gas. For the year ended December 31, 2022, sales to PBF Holding, Tesoro Refining and Marketing, and Phillips 66 accounted for approximately 33%, 16%, and 10%, respectively, of our sales. This concentration may impact our overall credit risk because our customers may be similarly affected by changes in economic conditions or commodity price fluctuations. We do not require our customers to post collateral. If the purchasers of our oil and natural gas become insolvent, we may be unable to collect amounts owed to us. Also, if we were to lose any one of our major customers, the loss could cause us to cease or delay both production and sale of our oil and natural gas in the area supplying that customer.

Due to the terms of supply agreements with our customers, we may not know that a customer is unable to make payment to us until almost two months after production has been delivered. We do not require our customers to post collateral to protect our ability to be paid.

Risks Related to Regulatory Matters

Our business is highly regulated and governmental authorities can delay or deny permits and approvals or change the requirements governing our operations, including the permitting approval process for oil and gas exploration, extraction, operations and production activities; well stimulation and other enhanced production techniques; and fluid injection or disposal activities, any of which could increase costs, restrict operations and delay our implementation of, or cause us to change, our business strategy and plans.

Like other companies in the oil and gas industry, our operations are subject to a wide range of complex and stringent federal, state and local laws and regulations. Federal, state and local agencies may assert overlapping authority to regulate in these areas. See “Items 1 and 2. Business and Properties—Regulation of Health, Safety and Environmental Matters” for a description of laws and regulations that affect our business. Collectively, the effect of the existing laws and regulations is to potentially limit the number and location of our wells through restrictions on the use of our properties, limit our ability to develop certain assets and conduct certain operations, and reduce the amount of oil and natural gas that we can produce from our wells below levels that would otherwise be possible. To operate in compliance with these laws and regulations, we must obtain and maintain permits, approvals and certificates from federal, state and local government authorities for a variety of activities including siting, drilling, completion, fluid injection and disposal, stimulation, operation, maintenance, transportation, marketing, site remediation, decommissioning, abandonment and water recycling and reuse. These permits are generally subject to protest, appeal or litigation, which could in certain cases delay or halt projects, production of wells and other operations. Additionally, the regulatory burden on the industry increases our costs and consequently may have an adverse effect upon capital expenditures, earnings or competitive position. Failure to comply may result in the assessment of administrative, civil and criminal fines and penalties and liability for noncompliance, costs of corrective action, cleanup or restoration, compensation for personal injury, property damage or other losses, and the imposition of injunctive or declaratory relief restricting or limiting our operations.

California, where most of our assets are located, is one of the most heavily regulated states in the United States with respect to oil and gas operations and our operations are subject to numerous and stringent state, local and other laws and regulations that could delay or otherwise adversely impact our operations. The jurisdiction, duties and enforcement authority of various state agencies have significantly increased with respect to oil and natural gas activities in recent years, and these state agencies as well as certain cities and counties have significantly revised their regulations, regulatory interpretations and data collection and reporting requirements and have indicated plans to issue additional regulations of certain oil and natural gas activities in 2023. Moreover, certain of these laws and regulations may apply retroactively and may impose strict or joint and several liability on us for events or conditions over which we and our predecessors had no control, without regard to fault, legality of the original activities, or ownership or control by third parties. Violations and liabilities with respect to these laws and regulations could result in significant administrative, civil, or criminal penalties, remedial clean-ups, natural resource damages, permit modifications or revocations, operational interruptions or shutdowns and other liabilities. The costs of remedying such conditions may be significant, and remediation obligations could adversely affect our financial condition, results of operations and prospects.

In California, we are also increasingly impacted by policies designed to curtail the production and use of fossil fuels. For example, in September 2020, Governor Gavin Newsom of California issued an executive order that seeks to reduce both the supply of and demand for fossil fuels in the state. The executive order established several goals and directed several state agencies to take certain actions with respect to reducing emissions of greenhouse gases, including, but not limited to: phasing out the sale of vehicles with internal combustion engines; developing strategies for the closure and repurposing of oil and gas facilities in California; and calling on the California State Legislature to enact new laws prohibiting hydraulic fracturing in the state by 2024. The executive order also directed CalGEM to finish its review of public health and safety concerns from the impacts of oil extraction activities and propose significantly strengthened regulations. At this time, we cannot predict how implementation of these actions and proposals may impact our operations. For additional information, see “Items 1 and 2. Business and Properties—Regulation of Health, Safety and Environmental Matters” and “Item 1A. Risk Factors—Risks Related to Our Operations and Industry—There are significant uncertainties with respect to obtaining permits for oil and gas activities in Kern County, where all of our California operations are located, which could adversely and materially impact our financial condition, results of operations prospects. For additional information, see and “Item 1A. Risk Factors—Risks Related to Our Operations and Industry—Attempts by the California state government to restrict the production of oil and gas could negatively impact our operations and result in decreased demand for fossil fuels within the states where we operate.”

Our operations may also be adversely affected by seasonal or permanent restrictions on drilling activities imposed under the Endangered Species Act or similar state laws designed to protect various wildlife, such as the Greater Sage Grouse. Such restrictions may limit our ability to operate in protected areas and can intensify competition for drilling rigs, oilfield equipment, services, supplies and qualified personnel, which may lead to periodic shortages when drilling is allowed. Permanent restrictions imposed to protect threatened or endangered species or their habitat could prohibit drilling in certain areas or require the implementation of expensive mitigation measures.

Our customers, including refineries and utilities, and the businesses that transport our products to customers are also highly regulated. For example, federal and state agencies have subjected or, proposed subjecting, more gas and liquid gathering lines, pipelines and storage facilities to regulations that have increased business costs and otherwise affect the demand, volatility and other aspects of the price we pay for fuel gas. Certain municipalities have enacted restrictions on the installation of natural gas appliances and infrastructure in new residential or commercial construction, which could affect the retail natural gas market for our utility customers and the demand and prices we receive for the natural gas we produce.

Costs of compliance may increase, and operational delays or restrictions may occur as existing laws and regulations are revised or reinterpreted, or as new laws and regulations become applicable to our operations, each of which has occurred in the past. For example, our costs have recently begun to increase due to new fluid injection regulations, data requirements for permitting, and idle well decommissioning regulations. For instance, in 2022 we paid \$20 million in asset retirement obligations, an increase from \$19 million in 2021, largely due to the new idle

well regulations and HSE focused costs and initiatives associated with developing existing fields. In addition, we may experience delays, as we have in the past, due to insufficient internal processes and personnel resource constraints at regulatory agencies that impede their ability to process permits in a timely manner that aligns with our production projects.

Government authorities and other organizations continue to study health, safety and environmental aspects of oil and natural gas operations, including those related to air, soil and water quality, ground movement or seismicity and natural resources. Government authorities have also adopted, proposed, or are otherwise considering new or more stringent requirements for permitting, well construction and public disclosure or environmental review of, or restrictions on, oil and natural gas operations. For example, there has been increased scrutiny with respect to hydraulic fracturing over the years by various state and federal agencies, which scrutiny has extended to oil and gas E&P activities more generally. This has resulted in more stringent regulation with respect to air emissions from oil and gas operations, restrictions on water discharges and calls to remove exemptions for certain oil and gas wastes from federal hazardous waste laws and regulations, amongst other restrictions. Separately, as another example, the scope of the federal CWA has been subject to substantial uncertainty in recent years, which has the potential to increase permitting burdens. The EPA and the U.S. Army Corps of Engineers (“Corps”) under the Obama, Trump and Biden Administrations have pursued multiple rulemakings since 2015 in an attempt to determine the scope of the term “Waters of the United States” (“WOTUS”), and, in several instances, federal courts have vacated these rulemakings. In December 2022, the EPA and Corps released a final revised definition of WOTUS founded upon a pre-2015 definition and including updates to incorporate existing Supreme Court decisions and agency guidance. The new rule was officially published on January 18, 2023, to be effective on March 20, 2023. However, the new rule has already been challenged with the State of Texas and industry groups filing separate suits in federal court in Texas on January 18, 2023. Moreover, in October 2022, the Supreme Court heard arguments in *Sackett v. EPA*, which involves issues relating to the legal tests used to determine whether wetlands are WOTUS. The Supreme Court is expected to release an opinion in this case in 2023, which could impact the regulatory definition and its implementation. As a result of these developments, the scope of the CWA remains uncertain at this time. To the extent the final rule expands the range of properties subject to the CWA’s jurisdiction, we could face increased costs and delays with respect to obtaining dredge and fill activity permits in wetland areas, which could materially impact our operations in the San Joaquin basin and other areas. Such requirements or associated litigation could result in potentially significant added costs to comply, delay or curtail our exploration, development, fluid injection and disposal or production activities, and preclude us from drilling, completing or stimulating wells, which could have an adverse effect on our expected production, other operations and financial condition.

Changes to elected or appointed officials or their priorities and policies could result in different approaches to the regulation of the oil and natural gas industry. We cannot predict the actions the California governor or legislature may take with respect to the regulation of our business, the oil and natural gas industry or the state's economic, fiscal or environmental policies, nor can we predict what actions may be taken in states or at the federal level with respect to environmental laws and policies, including those that may directly or indirectly impact our operations.

Potential future legislation may generally affect the taxation of natural gas and oil exploration and development companies and may adversely affect our operations and cash flows.

In past years, federal and state level legislation has been proposed that would, if enacted into law, make significant changes to tax laws, including to certain key U.S. federal and state income tax provisions currently available to natural gas and oil exploration and development companies. Such proposed legislation has included, but has not been limited to, (i) eliminating the immediate deduction for intangible drilling and development costs, (ii) repealing the percentage depletion allowance for oil and natural gas properties, (iii) extending the amortization period for certain geological and geophysical expenditures, (iv) eliminating certain other tax deductions and relief previously available to oil and natural gas companies, and (v) increasing the U.S. federal income tax rate applicable to corporations (such as us). It is unclear whether these or similar changes will be enacted and, if enacted, how soon any such changes could take effect. The passage of any legislation as a result of these proposals and other similar changes in U.S. federal income tax laws could adversely affect our operations and cash flows.

Additionally, in California, there have been proposals for new taxes on profits that might have a negative impact on us. Although the proposals have not become law, campaigns by various special interest groups could lead to future additional oil and natural gas severance or other taxes. The imposition of such taxes could significantly reduce our profit margins and cash flow and otherwise significantly increase our costs.

Derivatives legislation and regulations could have an adverse effect on our ability to use derivative instruments to reduce the risks associated with our business.

The Dodd-Frank Act, enacted in 2010, establishes federal oversight and regulation of the over-the-counter (“OTC”) derivatives market and entities, like us, that participate in that market. Rules and regulations applicable to OTC derivatives transactions, and these rules may affect both the size of positions that we may hold and the ability or willingness of counterparties to trade opposite us, potentially increasing costs for transactions. Moreover, such changes could materially reduce our hedging opportunities which could adversely affect our revenues and cash flow during periods of low commodity prices. While many Dodd-Frank Act regulations are already in effect, the rulemaking and implementation process is ongoing, and the ultimate effect of the adopted rules and regulations and any future rules and regulations on our business remains uncertain.

In addition, the European Union and other non-U.S. jurisdictions are implementing regulations with respect to the derivatives market. To the extent we transact with counterparties in foreign jurisdictions or counterparties with other businesses that subject them to regulation in foreign jurisdictions, we may become subject to, or otherwise be affected by, such regulations. Even though certain of the European Union implementing regulations have become effective, the ultimate effect on our business of the European Union implementing regulations (including future implementing rules and regulations) remains uncertain.

Our operations are subject to a series of risks arising out of the threat of climate change that could result in increased operating costs, limit the areas in which we may conduct oil and natural gas E&P activities, and reduce demand for the oil and natural gas we produce.

The threat of climate change continues to attract considerable attention in the United States and in foreign countries. Numerous proposals have been made and could continue to be made at the international, national, regional and state levels of government to monitor and limit existing emissions of GHGs as well as to restrict or eliminate such future emissions. As a result, our oil and natural gas E&P operations are subject to a series of regulatory, political, litigation, and financial risks associated with the production and processing of fossil fuels and emission of GHGs.

In the United States, no comprehensive climate change legislation has been implemented at the federal level. However, with the U.S. Supreme Court finding that GHG emissions constitute a pollutant under the CAA, the EPA has adopted rules that, among other things, establish construction and operating permit reviews for GHG emissions from certain large stationary sources, require the monitoring and annual reporting of GHG emissions from certain petroleum and natural gas system sources in the United States, and together with the DOT, implement GHG emissions limits on vehicles manufactured for operation in the United States. The regulation of methane from oil and gas facilities has been subject to uncertainty in recent years. In November 2021, the EPA issued a proposed rule that, if finalized, would establish new source and first-time existing source standards of performance for methane and volatile organic compound emissions for oil and gas facilities. Operators of affected facilities will have to comply with specific standards of performance to include leak detection using optical gas imaging and subsequent repair requirement, and reduction of emissions by 95% through capture and control systems. The EPA published a supplemental proposal in November 2022 for public comment. Among other items, the proposal sets forth specific revisions strengthening the first nationwide emissions guidelines for states to limit methane from existing oil and gas facilities, revises requirements for fugitive emissions monitoring and repair as well as equipment leaks and the frequency of monitoring surveys, establishes a “super-emitter” program to timely mitigate emissions events, and provides additional options for the use of advanced monitoring to encourage the deployment of innovative technologies to detect and reduce methane emissions. The proposal is expected to be finalized in 2023, though it will likely be challenged in court. We cannot predict the cost to comply with such requirements. However, given the long-term trend toward increasing regulation, future federal GHG regulations of the oil and gas industry remain a

significant possibility. Additionally, the IRA, signed into law on August 16, 2022, imposes a fee on the emissions of methane from certain sources in the oil and natural gas sector. Beginning in 2024, the methane emissions charge would begin at \$900 per metric ton of leaked methane, rising to \$1,200 in 2025, and \$1,500 in 2026 and thereafter. Calculation of the fee is based on certain thresholds established in the IRA. The imposition of this fee and other provisions of the IRA could increase our operating costs and accelerate the transition away from oil and gas, which could adversely affect our business and results of operations.

Additionally, various states and groups of states have adopted or are considering adopting legislation, regulations or other regulatory initiatives that are focused on such areas as GHG cap and trade programs, carbon taxes, reporting and tracking programs, and restriction of GHG emissions, such as methane. For example, California, through the CARB has implemented a cap and trade program for GHG emissions that sets a statewide maximum limit on covered GHG emissions, and this cap declines annually to reach 40% below 1990 levels by 2030. Covered entities must either reduce their GHG emissions or purchase allowances to account for such emissions. Separately, California has implemented LCFS and associated tradable credits that require a progressively lower carbon intensity of the state's fuel supply than baseline gasoline and diesel fuels. CARB has also promulgated regulations regarding monitoring, leak detection, repair and reporting of methane emissions from both existing and new oil and gas production facilities.

In addition to the various actions described requiring California to achieve total economy-wide carbon neutrality by 2045 California has separately adopted a law requiring the use of 100% zero-carbon electricity within the state by 2045. Additionally, Governor Newsom requested that the CARB analyze pathways to phase out oil extraction across the state by no later than 2045; however, CARB's 2022 Final Scoping Plan, the blueprint for the state's carbon neutrality goals, determined such a phase out was not feasible because of continued projected demand for fossil fuels in the transportation sector notwithstanding significant projected decreases in demand for fossil fuels for such uses by 2045. Notwithstanding this, CARB will continue to assess opportunities for phase down in its next five year scoping plan. The 2022 Final Scoping Plan also outlines a plan to phase out natural gas use in buildings, amongst other carbon emission reduction matters. We cannot predict how these various laws, regulations and orders may ultimately affect our operations. However, these initiatives could result in decreased demand for the oil, natural gas, and NGLs that we produce, or otherwise restrict or prohibit our operations altogether in California, and therefore adversely affect our revenues and results of operations.

At the international level, the United Nations-sponsored "Paris Agreement" requires member states to individually determine and submit non-binding emissions reduction targets every five years after 2020. Although the United States had withdrawn from the Paris Agreement, following an executive order signed by President Biden on his first day in office, the United States rejoined the Paris Agreement in February 2021. In April 2021, the United States established a goal of reducing economy-wide net GHG emissions 50-52% below 2005 levels by 2030. Additionally, at the 26th Conference of the Parties ("COP26") in Glasgow in November 2021, the United States and the European Union jointly announced the launch of the Global Methane Pledge, an initiative committing to a collective goal of reducing global methane emissions by at least 30% from 2020 levels by 2030, including "all feasible reductions" in the energy sector. At COP27 in Sharm El-Sheik in November 2022, countries reiterated the agreements from COP26 and were called upon to accelerate efforts toward the phase out of inefficient fossil fuel subsidies. The United States also announced in conjunction with the European Union and other partner countries that it would develop standards for monitoring and reporting methane emissions to help create a market for low methane-intensity gas. Although no firm commitment or timeline to phase out or phase down all fossil fuels was made at COP27, there can be no guarantees that countries will not seek to implement such a phase out in the future. The full impact of these actions is uncertain at this time and it is unclear what additional initiatives may be adopted or implemented that may have adverse effects upon our operations.

Governmental, scientific, and public concern over the threat of climate change arising from GHG emissions has resulted in increasing political risks in the United States, including climate change related pledges made by certain candidates for public office. These have included promises to pursue actions to limit emissions and curtail the production of oil and gas, such as through banning new leases for production of minerals on federal properties. On January 20, 2021, President Biden issued an executive order calling for increased regulation of methane emissions from the oil and gas sector; for more information, see our regulatory disclosure titled "Air Emissions".

Subsequently, on January 27, 2021, President Biden issued an executive order that calls for substantial action on climate change, including, among other things, the increased use of zero-emissions vehicles by the federal government, the elimination of subsidies provided to the fossil fuel industry, and increased emphasis on climate-related risk across agencies and economic sectors. The Biden Administration has also called for restrictions on leasing on federal land, including the Department of Interior's publication of a report in November 2021 recommending various changes to the federal leasing program, though any such changes would require Congressional action; for more information, see our regulatory disclosure titled "Hydraulic Stimulation". Our operations involve the use of hydraulic fracturing activities and we also have operations on federal lands under the jurisdiction of the BLM within the DOI. Other actions that could be pursued by President Biden may include more restrictive requirements for the establishment of pipeline infrastructure or the permitting of LNG export facilities, as well as other GHG emissions limitations for oil and gas facilities.

Litigation risks are also increasing, as a number of cities and other local governments have sought to bring suit against oil and natural gas companies in state or federal court, alleging, among other things, that such companies created public nuisances by producing fuels that contributed to global warming effects, such as rising sea levels, and therefore are responsible for roadway and infrastructure damages as a result, or alleging that the companies have been aware of the adverse effects of climate change for some time but withheld material information from their investors or customers by failing to adequately disclose those impacts.

There are also increasing financial risks for fossil fuel producers as shareholders currently invested in fossil-fuel energy companies concerned about the potential effects of climate change may elect in the future to shift some or all of their investments into non-energy related sectors. Institutional lenders who provide financing to fossil-fuel energy companies also have become more attentive to sustainable lending practices and some of them may elect not to provide funding for fossil fuel energy companies. For example, at COP26, the GFANZ announced that commitments from over 450 firms across 45 countries had resulted in over \$130 trillion in capital committed to net zero goals. The various sub-alliances of GFANZ generally require participants to set short term, sector-specific targets to transition their financing, investing, and/or underwriting activities to net zero emissions by 2050. There is also a risk that financial institutions will be required to adopt policies that have the effect of reducing the funding provided to the fossil fuel sector. In late 2020, the Federal Reserve announced that it had joined the NGFS, a consortium of financial regulators focused on addressing climate-related risks in the financial sector and in September 2022, announced that six of the U.S.' largest banks will participate in a pilot climate scenario analysis to enhance the ability of firms and supervisors to measure and manage climate-related financial risk. The Federal Reserve began its pilot exercise in January 2023 which is designed to analyze the impact of both physical and transition risks related to climate change on specific assets of the banks' portfolios. Although we cannot predict the effects of these actions, such limitation of investments in and financings for fossil fuel energy companies could result in the restriction, delay or cancellation of drilling programs or development or production activities. Additionally, in March 2022, the SEC released a proposed rule that would establish a framework for the reporting of climate risks, targets, and metrics. A final rule is expected to be released in Q2 2023, but we cannot predict the final form and substance of the rule and its requirements. The ultimate impact of the rule on our business is uncertain and, upon finalization, may result in additional costs to comply with any such disclosure requirements, alongside increased costs of and restrictions on access to capital.

The adoption and implementation of new or more stringent international, federal or state legislation, regulations or other regulatory initiatives that impose more stringent standards for GHG emissions from oil and natural gas producers such as ourselves or otherwise restrict the areas in which we may produce oil and natural gas or generate GHG emissions could result in increased costs of compliance or costs of consuming, and thereby reduce demand for or erode value for, the oil and natural gas that we produce. Additionally, political, litigation, and financial risks may result in our restricting or canceling oil and natural gas production activities, incurring liability for infrastructure damages as a result of climatic changes, or impairing our ability to continue to operate in an economic manner. Moreover, there are increasing risks to operations resulting from the potential physical impacts of climate change, such as drought, wildfires, damage to infrastructure and resources from flooding and other natural disasters and other physical disruptions. One or more of these developments could have a material adverse effect on our business, financial condition and results of operation.

The Inflation Reduction Act could accelerate the transition to a low-carbon economy and could impose new costs on our operations.

In August 2022, President Biden signed the IRA into law. The IRA contains hundreds of billions of dollars in incentives for the development of renewable energy, clean hydrogen, clean fuels, electric vehicles and supporting infrastructure and CCS, amongst other provisions. In addition, the IRA imposes the first ever federal fee on the emission of GHGs through a methane emissions charge. The IRA amends the Clean Air Act to impose a fee on the emission of methane from sources required to report their GHG emissions to the EPA, including those sources in the onshore petroleum and natural gas production categories. The methane emissions charge would start in calendar year 2024 at \$900 per ton of methane, increase to \$1,200 in 2025, and be set at \$1,500 for 2026 and each year thereafter. Calculation of the fee is based on certain thresholds established in the IRA. In addition, the multiple incentives offered for various clean energy industries referenced above could further accelerate the transition of the economy away from fossil fuels towards lower- or zero-carbon emission alternatives. The methane charges and various incentives for clean energy industries could decrease demand for crude oil and natural gas, increase our compliance and operating costs and consequently materially and adversely affect our business and results of operations.

Risks Related to our Capital Stock

There may be circumstances in which the interests of our significant stockholders could be in conflict with the interests of our other stockholders.

A large portion of our common stock is beneficially owned by a relatively small number of stockholders. Circumstances may arise in which these stockholders may have an interest in pursuing or preventing acquisitions, divestitures, hostile takeovers or other transactions, including the payment of dividends or the issuance of additional equity or debt, that, in their judgment, could enhance their investment in us or in another company in which they invest. Such transactions might adversely affect us or other holders of our common stock. In addition, our significant concentration of share ownership may adversely affect the trading price of our common stock because investors may perceive disadvantages in owning shares in companies with significant stockholder concentrations.

Our significant stockholders and their affiliates are not limited in their ability to compete with us, and the corporate opportunity provisions in the Certificate of Incorporation could enable our significant stockholders to benefit from corporate opportunities that might otherwise be available to us.

Our governing documents provide that our stockholders and their affiliates are not restricted from owning assets or engaging in businesses that compete directly or indirectly with us. In particular, subject to the limitations of applicable law, the Certificate of Incorporation, among other things:

- permits stockholders to make investments in competing businesses; and
- provides that if one of our directors who is also an employee, officer or director of a stockholder (a “Dual Role Person”), becomes aware of a potential business opportunity, transaction or other matter, they will have no duty to communicate or offer that opportunity to us.

Our director who is a Dual Role Person may become aware, from time to time, of certain business opportunities (such as acquisition opportunities) and may direct such opportunities to other businesses in which our stockholders have invested, in which case we may not become aware of, or otherwise have the ability to pursue, such opportunity. Further, such businesses may choose to compete with us for these opportunities, possibly causing these opportunities to be unavailable to us or causing them to be more expensive for us to pursue.

Future sales of our common stock in the public market could reduce our stock price, and any additional capital raised by us through the sale of equity or convertible securities may dilute your ownership in us.

A large portion of our common stock is beneficially owned by a relatively small number of stockholders. We cannot predict when or whether they will sell their shares of common stock. Future sales, or concerns about them, may put downward pressure on the market price of our common stock.

We may sell or otherwise issue additional shares of common stock or securities convertible into shares of our common stock. Our Certificate of Incorporation provides for authorized capital stock consisting of 750,000,000 shares of common stock and 250,000,000 shares of preferred stock. In addition, we registered shares of the great majority of our common stock for resale. For more information see Exhibit 4.4 to our Annual Report on Form 10-K.

The issuance of any securities for acquisitions, financing, upon conversion or exercise of convertible securities, or otherwise may result in a reduction of the book value and market price of our outstanding common stock. If we issue any such additional securities, the issuance will cause a reduction in the proportionate ownership and voting power of all current stockholders. We cannot predict the size of any future issuances of our common stock or securities convertible into common stock or the effect, if any, that future issuances and sales of shares of our common stock will have on the market price of our common stock. Sales of substantial amounts of our common stock (including shares issued in connection with an acquisition), or the perception that such sales could occur, may adversely affect prevailing market prices of our common stock.

Shares of our common stock are also reserved for issuance as equity-based awards to employees, directors and certain other persons under the Second Amended and Restated 2017 Omnibus Incentive Plan (our “2017 Omnibus Plan”). We have filed a registration statement with the SEC on Form S-8 providing for the registration of shares of our common stock issued or reserved for issuance under our 2017 Omnibus Plan. Subject to the satisfaction of vesting conditions, the expiration of certain lock-up agreements and the requirements of Rule 144, shares registered under the registration statement on Form S-8 may be made available for resale immediately in the public market without restriction. Investors may experience dilution in the value of their investment upon the exercise of any equity awards that may be granted or issued pursuant to the Omnibus Plan in the future. On March 1, 2022, our board of directors approved the 2022 Omnibus Incentive Plan (the “2022 Omnibus Plan”), which was subsequently approved by stockholders on May 25, 2022. The plan authorized the issuance of 2,300,000 shares of common stock. The maximum number of shares remaining that may be issued is 1,573,402 as of December 31, 2022.

The excise tax on repurchases of corporate stock included in the Inflation Reduction Act of 2022 could increase our tax burden and influence our share repurchase decisions.

Beginning January 1, 2023, a 1% federal excise tax is imposed on certain publicly traded corporations that repurchase stock from their shareholders. The amount subject to the excise tax is the fair market value of stock repurchased by such corporation net of the fair market value of any stock issued by such corporation during such taxable year. Any redemptions made in connection with our stock repurchase program, or otherwise, may be subject to this excise tax. There can be no assurance that there will be sufficient new issuances during the same taxable year to offset the fair market value of the redemptions. Consequently, if we are subject to this excise tax, it could influence our share repurchase decisions and increase our tax burden.

The payment of dividends will be at the discretion of our board of directors.

We temporarily discontinued our quarterly dividends in the second quarter of 2020 following the historic oil price drop and economic impact of COVID-19. We reinstated a quarterly dividend at a reduced rate beginning with the first quarter of 2021 and then increased the rate 50% to \$0.06 per share beginning with the third quarter of 2021, which continued through the end of 2022. In 2022, the Company's Board of Directors approved quarterly fixed dividends totaling \$0.24 per share in 2022. In addition, the Board of Directors implemented a shareholder return strategy that contemplates additional dividends to shareholders from Adjusted Free Cash Flow. As a result of the implementation of this shareholder return strategy, the Company's Board of Directors declared variable cash dividends of \$1.54 per share, which were based on the results in 2022. The Company's Board of Directors declared a

regular fixed and variable dividend of \$0.50 per share on the Company's outstanding common stock, payable on March 23, 2023 to shareholders of record at the close of business on March 15, 2023. There is no certainty that we will generate Adjusted Free Cash Flow, nor is the Board obligated to make any dividends and any dividends are subject to the restrictions in our debt documents as described below. The payment and amount of future dividend payments, if any, are subject to declaration by our Board. Such payments will depend on various factors, including actual results of operations, liquidity and financial condition, net cash provided by operating activities, restrictions imposed by applicable law, our taxable income, and other factors our Board deems relevant. Additionally, covenants contained in our 2021 RBL Facility, 2022 ABL Facility and the indenture governing our 2026 Notes could limit the payment of dividends. We are under no obligation to make dividend payments on our common stock and cannot be certain when such payments may resume in the future.

We may issue preferred stock, the terms of which could adversely affect the voting power or value of our common stock.

Our Certificate of Incorporation authorizes us to issue, without the approval of our stockholders, one or more classes or series of preferred stock having such designations, preferences, limitations and relative rights, including preferences over our common stock respecting dividends and distributions, as our Board of Directors may determine. The terms of one or more classes or series of preferred stock could adversely impact the voting power or value of our common stock. For example, we might grant holders of preferred stock the right to elect some number of our directors in all events or on the happening of specified events or the right to veto specified transactions. Similarly, the repurchase or redemption rights or liquidation preferences we might assign to holders of preferred stock could affect the residual value of our common stock.

Due to losing emerging growth company status on December 31, 2023, we expect to incur additional costs and demands will be placed upon management in connection with complying with non-emerging growth company requirements.

As an emerging growth company, we have benefited from certain temporary exemptions from various reporting requirements. On December 31, 2023, we will lose emerging growth company status due reaching the fifth anniversary of our IPO. This transition from emerging growth company status will require us to, among other things, allow our independent registered public accounting firm to attest to the effectiveness of our internal controls as required by Section 404(b) of the Sarbanes-Oxley Act in our Annual Report on Form 10-K for the year ending December 31, 2023.

In addition, as an emerging growth company we had elected under the JOBS Act to delay adoption of new or revised accounting pronouncements applicable to public companies until such pronouncements are made applicable to private companies. As a result of losing emerging growth company status as of December 31 2023, we will no longer be eligible to delay adoption of such new or revised accounting pronouncements applicable to public companies. In addition to some immaterial expenses, mainly for our independent registered public accounting firm to attest to the effectiveness of our internal controls over financial reporting, our management may need to devote significant time and efforts to implement and comply with the additional standards, rules and regulations that will apply to us losing our emerging growth company status, which may divert such time from the day-to-day conduct of our business operations. Also, due to the complexity and logistical difficulty of implementing the standards, rules and regulations that apply to non-emerging growth companies, such as Section 404(b) of the Sarbanes-Oxley Act, on an accelerated timeframe, the risk of our non-compliance with such standards, rules and regulations or of significant deficiencies or material weaknesses in our internal controls over financial reporting is increased.

We are an "emerging growth company," and are able to take advantage of reduced disclosure requirements applicable to "emerging growth companies," which could make our common stock less attractive to investors.

We are an "emerging growth company" and, for as long as we continue to be an "emerging growth company," we intend to take advantage of certain exemptions from various reporting requirements, including auditor attestation requirements or any new requirements adopted by the Public Company Accounting Oversight Board (the "PCAOB") requiring mandatory audit firm rotation, reduced disclosure obligations regarding executive

compensation in our periodic reports and proxy statements and exemptions from the requirements of holding a non-binding advisory vote on executive compensation and stockholder approval of any golden parachute payments not previously approved. We intend to take advantage of the reduced reporting requirements and exemptions, including the longer phase-in periods for the adoption of new or revised financial accounting standards which lasts until those standards apply to private companies or we no longer qualify as an emerging growth company. Our election to use the phase-in periods permitted by this election may make it difficult to compare our financial statements to those companies who will comply with new or revised financial accounting standards. If we were to subsequently elect instead to comply with these public company effective dates, such election would be irrevocable.

To the extent investors find our common stock less attractive as a result of our reduced reporting and exemptions, there may be a less active trading market for our common stock, and our stock price may be more volatile.

In addition, we expect to lose “emerging growth company” status in 2023 as a result of passing the fifth anniversary of our IPO. This transition from “emerging growth company” status will require, among other things, that our independent registered public accounting firm attest to the effectiveness of our internal controls as required by Section 404(b) of the Sarbanes-Oxley Act in our Annual Report on Form 10-K for the year ending December 31, 2023. In addition, we will no longer be eligible to delay adoption of such new or revised accounting pronouncements applicable to public companies. In addition to additional expenses, our management may need to devote significant time and efforts to implement and comply with the additional standards, rules and regulations that will apply to us losing our “emerging growth company” status, which may divert such time from the day-to-day conduct of our business operations.

Our internal control over financial reporting is not currently required to meet all of the standards required by Section 404 of the Sarbanes-Oxley Act, but failure to achieve and maintain effective internal control over financial reporting in accordance with Section 404 of the Sarbanes-Oxley Act could have a material adverse effect on our business and share price.

Section 404 of the Sarbanes-Oxley Act requires us to provide annual management assessments of the effectiveness of our internal control over financial reporting. However, our independent registered public accounting firm will not be required to attest to the effectiveness of our internal control over financial reporting pursuant to Section 404 of the Sarbanes-Oxley Act until we are no longer an “emerging growth company. We expect to lose “emerging growth company” status on December 31, 2023.

Effective internal controls are necessary for us to provide reliable financial reports, safeguard our assets, and prevent fraud. If we cannot provide reliable financial reports, safeguard our assets or prevent fraud, our reputation and operating results could be harmed. The rules governing the standards that must be met for our management to assess our internal control over financial reporting are complex and require significant documentation, testing and possible remediation.

We may encounter problems or delays in completing the implementation of effective internal controls. Further, failure to achieve and maintain an effective internal control environment could have a material adverse effect on our business and share price and could limit our ability to report our financial results accurately and timely.

Certain provisions of our Certificate of Incorporation and Bylaws may make it difficult for stockholders to change the composition of our Board of Directors and may discourage, delay or prevent a merger or acquisition that some stockholders may consider beneficial.

Certain provisions of our Certificate of Incorporation and Bylaws may have the effect of delaying or preventing changes in control if our Board of Directors determines that such changes in control are not in the best interests of us and our stockholders. For more information see Exhibit 4.4 to our Annual Report on Form 10-K.

For example, our Certificate of Incorporation and Bylaws include provisions that (i) authorize our Board to issue “blank check” preferred stock and to determine the price and other terms, including preferences and voting

rights, of those shares without stockholder approval and (ii) establish advance notice procedures for nominating directors or presenting matters at stockholder meetings.

These provisions could enable the Board to delay or prevent a transaction that some, or a majority, of the stockholders may believe to be in their best interests and, in that case, may discourage or prevent attempts to remove and replace incumbent directors. These provisions may also discourage or prevent any attempts by our stockholders to replace or remove our current management by making it more difficult for stockholders to replace members of our Board, which is responsible for appointing the members of our management.

Our Certificate of Incorporation designates the Court of Chancery of the State of Delaware as the sole and exclusive forum for certain types of actions and proceedings that may be initiated by our stockholders, which could limit our stockholders' ability to obtain a favorable judicial forum for disputes with us or our directors, officers, employees or agents.

Our Certificate of Incorporation provides that, unless we consent in writing to the selection of an alternative forum, the Court of Chancery of the State of Delaware will, to the fullest extent permitted by applicable law, be the sole and exclusive forum for (i) any derivative action or proceeding brought on our behalf, (ii) any action asserting a claim of breach of a fiduciary duty owed by any of our directors, officers or other employees to us or our stockholders, (iii) any action asserting a claim against us, our directors, officers or employees arising pursuant to any provision of the Delaware General Corporation Law, our Certificate of Incorporation or our Bylaws or (iv) any action asserting a claim against us, our directors, officers or employees that is governed by the internal affairs doctrine, in each such case subject to such Court of Chancery having subject matter jurisdiction and personal jurisdiction over the indispensable parties named as defendants therein. This choice of forum provision may limit a stockholder's ability to bring a claim in a judicial forum that it finds favorable for disputes with us or our directors, officers or other employees, which may discourage such lawsuits against us and such persons. Alternatively, if a court were to find these provisions of our Certificate of Incorporation inapplicable to, or unenforceable in respect of, one or more of the specified types of actions or proceedings, we may incur additional costs associated with resolving such matters in other jurisdictions.

Item 1B. Unresolved Staff Comments

None.

Item 3. Legal Proceedings

We are involved in various legal and administrative proceedings in the normal course of business, the ultimate resolutions of which, in the opinion of management, are not anticipated to have a material effect on our results of operations, liquidity or financial condition.

Securities Litigation Matter

On November, 20, 2020, Luis Torres, individually and on behalf of a putative class, filed a securities class action lawsuit (the "Torres Lawsuit") in the United States District Court for the Northern District of Texas against Berry Corp. and certain of its current and former directors and officers (collectively, the "Defendants"). The complaint asserts violations of Sections 11 and 15 of the Securities Act of 1933, and Sections 10(b) and 20(a) of the Exchange Act, on behalf of a putative class of all persons who purchased or otherwise acquired (i) common stock pursuant and/or traceable to the Company's 2018 IPO; or (ii) Berry Corp.'s securities between July 26, 2018 and November 3, 2020 (the "Class Period"). In particular, the complaint alleges that the Defendants made false and misleading statements during the Class Period and in the offering materials for the IPO, concerning the Company's business, operational efficiency and stability, and compliance policies, that artificially inflated the Company's stock price, resulting in injury to the purported class members when the value of Berry Corp.'s common stock declined following release of its financial results for the third quarter of 2020 on November 3, 2020.

On November 1, 2021, the court-appointed co-lead plaintiffs filed an amended complaint asserting claims on behalf of the same putative class under Sections 11 and 15 of the Securities Act of 1933 and Sections 10(b) and 20(a) of the Exchange Act, alleging, among other things, that the Company and the individual Defendants made false and misleading statements between July 26, 2018 and November 3, 2020 regarding the Company's permits and permitting processes. The amended complaint does not quantify the alleged losses but seeks to recover all damages sustained by the putative class as a result of these alleged securities violations, as well as attorneys' fees and costs. The Defendants filed a Motion to Dismiss on January 24, 2022 and on September 13, 2022, the Court issued an order denying that motion. The case is now in discovery.

We dispute these claims and intend to defend the matter vigorously. Given the uncertainty of litigation, the early stage of the case, and the legal standards that must be met for, among other things, class certification and success on the merits, we cannot reasonably estimate the possible loss or range of loss that may result from this action.

On October 20, 2022, a shareholder derivative lawsuit was filed in the United States District Court for the Northern District of Texas by putative stockholder George Assad, allegedly on behalf of the Company, that piggy-backs on the securities class action referenced above and which is currently pending before the same Court. The derivative complaint names certain current and former officers and directors as defendants, and generally alleges that they breached their fiduciary duties by causing or failing to prevent the securities violations alleged in the securities class action. The derivative complaint also alleges claims for unjust enrichment as against all defendants, and claims for contribution and indemnification under Sections 10(b) and 21D of the Exchange Act. On January 27, 2023, the court granted the parties' joint stipulated request to stay the derivative action pending resolution of the related securities class action. The Company and the individual defendants believe the claims in the shareholder derivative action are without merit and intend to defend vigorously against them, but there can be no assurances as to the outcome. At this time, we are unable to estimate the probability or the amount of liability, if any, related to this matter.

On January 20, 2023, a second shareholder derivative lawsuit was filed, this time in the United States District Court for the District of Delaware, by putative stockholder Molly Karp allegedly on behalf of the Company, again piggy-backing on the securities class action referenced above. This complaint, similar to the first derivative complaint, is brought against certain current and former officers and directors of the Company, asserting breach of fiduciary duty, aiding and abetting, and contribution claims based on the defendants allegedly having caused or failed to prevent the securities violations alleged in the securities class action. In addition, the complaint asserts a claim under Section 14(a) of the Exchange Act, alleging that Berry's 2022 Proxy Statement was false and misleading in that it suggested the Company's internal controls were sufficient and the board of directors was adequately overseeing material risks facing the Company when, according to the derivative plaintiff, that was not the case. The defendants believe the claims in the shareholder derivative action are without merit and intend to defend vigorously against them, but there can be no assurances as to the outcome. At this time, we are unable to estimate the probability or the amount of liability, if any, related to this matter.

Other Matters

For additional information regarding legal proceedings, see "Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations—Liquidity and Capital Resources—*Commitments, and Contingencies*" and "Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations—Liquidity and Capital Resources—*Contractual Obligations*."

Item 4. Mine Safety Disclosure

Not applicable.

Part II

Item 5. Market for the Registrant's Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities

Market Information

Our common stock has been trading on the NASDAQ under the ticker symbol "bry" since July 26, 2018. Prior to that there was no established public trading market for our common stock.

Holders of Record

Our common stock was held by 31 stockholders of record at January 31, 2023.

Dividend Policy

We historically have, and plan to continue using our operating cash flows to cover our interest requirements, fund operations at sustained production levels, and routinely return meaningful capital to stockholders in the form of quarterly dividends through commodity price cycles.

We first began paying a quarterly dividend in our first quarter as a public company in 2018, which we paid regularly through the first quarter of 2020. We temporarily discontinued our quarterly dividends in the second quarter of 2020 following the historic oil price drop and economic impact of COVID-19. We reinstated a quarterly dividend at a reduced rate beginning with the first quarter of 2021 and then increased the rate 50% to \$0.06 per share beginning with the third quarter of 2021, which continued through the end of 2022. In February 2023, our Board of Directors declared a fixed dividend of \$0.06 per share, as well as, the variable cash dividend of \$0.44 per share based on the fourth quarter of 2022 results. The dividends are payable on March 23, 2023 to shareholders of record at the close of business on March 15, 2023. The payment and amount of future dividend payments, if any, are subject to declaration by our Board. Such payments will depend on various factors, including actual results of operations, liquidity and financial condition, net cash provided by operating activities, restrictions imposed by applicable law, our taxable income, and other factors our Board deems relevant. See "Item 1A. Risk Factors— Risks Related to our Capital Stock—The payment of dividends will be at the discretion of our board of directors."

Our shareholder return model went into effect January 1, 2022. Like our business model, this shareholder return model is simple and demonstrates our commitment to optimize capital allocation and returns to our shareholders. The model is based on our Adjusted Free Cash Flow (formerly called Discretionary Free Cash Flow), which is defined as cash flow from operations less regular fixed dividends and maintenance capital. Maintenance capital, which represents the capital expenditures needed to optimize production volumes for a given year, is defined as capital expenditures, excluding, when applicable, (i) E&P capital expenditures that are related to strategic business expansion, such as acquisitions and divestitures of oil and gas properties and any exploration and development activities to increase production beyond the prior year's annual production volumes, (ii) capital expenditures in our well servicing and abandonment segment, (iii) corporate expenditures that are related to ancillary sustainability initiatives and/or (iv) other expenditures that are discretionary and unrelated to maintenance of our core business. The initial allocation of Adjusted Free Cash Flow in 2022 was contemplated as: (a) 60% predominantly in the form of variable cash dividends to be paid quarterly, as well as opportunistic debt repurchases; and (b) 40% which could be used for opportunistic growth, including from our extensive inventory of drilling opportunities, advancing our short- and long-term sustainability initiatives, share repurchases, and/or capital retention. Our Adjusted Free Cash Flow in 2022 was \$200 million. In accordance with our shareholder return model in 2022 we will have paid a total of \$189 million related to 2022 performance which consisted of: (i) \$119 million for the variable cash dividends, (ii) \$19 million for fixed cash dividends and (iii) \$51 million for share repurchases.

In early February 2023, we updated our shareholder return model, including the plan to double our quarterly fixed dividend to \$0.12 per share. We also modified the allocations of Adjusted Free Cash Flow. Our goal is to continue maximizing shareholder value through overall returns. Starting with the first quarter of 2023, the allocation of Adjusted Free Cash will be (a) 80% primarily in the form of opportunistic debt or share repurchases; and (b) 20% in the form of variable dividends. Any dividends (fixed or variable) actually paid will be determined by our Board of Directors in light of then existing conditions, including our earnings, financial condition, restrictions in financing agreements, business conditions and other factors.

Securities Authorized for Issuance Under Equity Compensation Plans

On June 27, 2018, our Board approved our second amended and restated 2017 Omnibus Incentive Plan (the “2017 Omnibus Plan”). A description of the plans can be found in Item 8. Financial Statements and Supplementary Data – Note 6–Equity. On March 1, 2022, our Board approved the 2022 Omnibus Incentive Plan (the “2022 Omnibus Plan”), which was subsequently approved by stockholders on May 25, 2022. The plan authorized the issuance of an additional 2,300,000 shares of common stock, bringing the total between the 2017 Omnibus Plan and the 2022 Omnibus Plan to 12,300,000 shares. There have been approximately 10,700,000 million shares issued or reserved through December 31, 2022.

The following table summarizes information related to our equity compensation plans under which our equity securities are authorized for issuance as of December 31, 2022.

Plan Category	Number of Securities to be Issued Upon Exercise of Outstanding Options and Rights (#) ⁽¹⁾	Weighted-Average Exercise Price of Outstanding Options and Rights (\$) ⁽²⁾	Number of Securities Remaining Available for Future Issuance Under Equity Compensation Plans (#) ⁽³⁾
Equity compensation plans not approved by security holders ⁽⁴⁾	5,810,302	N/A	—
Equity compensation plans approved by security holders ⁽⁵⁾	2,300,000	N/A	1,573,402
Total	8,110,302	N/A	1,573,402

(1) This column reflects the number of shares of our common stock subject to outstanding restricted stock units (“RSU”) awards and performance-based restricted stock unites (“PSU”) awards as of December 31, 2022, after counting the outstanding PSU awards at the maximum payout level. Because the number of shares to be issued upon settlement of outstanding PSU awards is subject to performance conditions, the number of shares actually issued may be substantially less than the number reflected in this column. No options or warrants have been granted under the 2022 Omnibus Plan.

(2) No options or warrants have been granted under the 2022 Omnibus Plan, and the RSU and PSU awards reflected in column (a) are not reflected in this column, as they do not have an exercise price.

(3) This column reflects the total number of shares of our common stock remaining available for issuance under the 2022 Omnibus Plan as of December 31, 2022, after counting the number of securities to be issued upon vesting of outstanding RSU and PSU awards as of December 31, 2022, and counting PSUs at the maximum payout level. Shares reserved at maximum payout that do not vest at max are made available for future grants.

(4) In connection with our initial public offering, our Board approved the Berry Petroleum Corporation Second Amended and Restated 2017 Omnibus Incentive Plan, effective June 27, 2018. The 2017 Omnibus Incentive Plan allows us to grant equity-based compensation awards (including stock options, stock appreciation rights, restricted stock, restricted stock units, stock awards, dividend equivalents and other types of awards) with respect to up to 10,000,000 shares of common stock (which number includes the number of shares of common stock previously issued pursuant to an award (or made subject to an award that has not expired or been terminated) under prior plans), to employees, consultants and directors of the Company and its affiliates who perform services for the Company.

(5) On March 1, 2022 our Board approved the 2022 Omnibus Plan, which was subsequently approved by stockholders on May 25, 2022. The plan authorized the issuance of and additional 2,300,000 shares of common stock.

Sales of Unregistered Securities

None.

Stock Repurchase Program

For the year ended December 31, 2022, we repurchased 5 million shares for approximately \$51 million. As of December 31, 2022, the Company had repurchased a total of 10,528,704 shares under the share repurchase program for approximately \$104 million in aggregate, which is 14% of outstanding shares as of December 31, 2022. As previously disclosed, the Company implemented a shareholder return model in early 2022, for which the Company intends to allocate a portion of Adjusted Free Cash Flow to opportunistic share repurchases.

In April 2022, our Board of Directors approved an increase of \$102 million to the Company's share repurchase authorization, bringing the Company's remaining share repurchase authority to \$150 million. As of December 31, 2022, the Company's remaining total share repurchase authority was \$98 million. In February 2023, the Board of Directors approved an increase of \$102 million to the Company's share repurchase authorization bringing the Company's remaining share authority to \$200 million. The Board's authorization permits the Company to make purchases of its common stock from time to time in the open market and in privately negotiated transactions, subject to market conditions and other factors, up to the aggregate amount authorized by the Board. The Board's authorization has no expiration date.

The Company's manner, timing and amount of any purchases will be determined based on our evaluation of market conditions, stock price, compliance with outstanding agreements and other factors, may be commenced or suspended at any time without notice and does not obligate Berry Corp. to purchase shares during any period or at all. Any shares acquired will be available for general corporate purposes.

Period	Total Number of Shares Purchased	Average Price Paid per Share	Total Number of Shares Purchased as Part of Publicly Announced Plans or Programs	Approximate Dollar Value of Shares that May Yet Be Purchased Under the Plan
October 1 – 31, 2022	—	\$ —	—	\$ —
November 1 – 30, 2022	1,000,000	\$ 9.60	1,000,000	\$ 98,261,000
December 1 – 31, 2022	—	\$ —	—	\$ —
Total	<u>1,000,000</u>	<u>\$ 9.60</u>	<u>1,000,000</u>	<u>\$ 98,261,000</u>

Item 6. [Reserved]

Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations

Management's Discussion and Analysis of Financial Condition and Results of Operations should be read in conjunction with the financial statements and related notes included elsewhere in this report. The following discussion contains forward-looking statements that reflect our future plans, estimates, beliefs and expected performance. The forward-looking statements are dependent upon events, risks and uncertainties that may be outside our control. Our actual results could differ materially from those discussed in these forward-looking statements. Factors that could cause or contribute to such differences are described in "Item 1A. Risk Factors" included earlier in this report. Please see "—Cautionary Note Regarding Forward-Looking Statements."

This section of the Form 10-K generally discusses 2022 and 2021 items and year-to-year comparisons between those years. For discussion of our year ended December 31, 2020, as well as the year ended 2021 compared to year ended 2020, refer to Part II, Item 7— "Management's Discussion and Analysis of Financial Condition and Results of Operations" of our 2021 Annual Report on Form 10-K.

Executive Overview

We are a western United States independent upstream energy company with a focus on onshore, low geologic risk, long-lived conventional reserves in the San Joaquin basin of California (100% oil) and the Uinta basin of Utah (oil and gas), with well servicing and abandonment capabilities in California. Since October 1, 2021, we have operated in two business segments: (i) exploration and production ("E&P") and (ii) well servicing and abandonment ("CJWS").

The assets in our E&P business, in the aggregate, are characterized by high oil content (our California assets are 100% oil) and are predominantly located in rural areas with low population. In California, we focus on conventional, shallow oil reservoirs, the drilling and completion of which are relatively low-cost in contrast to unconventional resource plays. The California oil market has primarily Brent-influenced pricing which has typically realized premium pricing to WTI. All of our California assets are located in the oil-rich reservoirs in the San Joaquin basin, which has more than 150 years of production history and substantial oil remaining in place. As a result of the substantial data produced over the basin's long history, its reservoir characteristics and low geological risk opportunities are well understood. We also have upstream assets in the oil-rich reservoirs in the Uinta basin of Utah.

On October 1, 2021, we completed the acquisition of one of the largest upstream well servicing and abandonment businesses in California, which operates as C&J Well Services ("CJWS") and constitutes our well servicing and abandonment segment. CJWS provides wellsite services in California to oil and natural gas production companies, with a focus on well servicing, well abandonment services and water logistics. CJWS' services include rig-based and coiled tubing-based well maintenance and workover services, recompletion services, fluid management services, fishing and rental services, and other ancillary oilfield services. Additionally, CJWS performs plugging and abandonment services on wells at the end of their productive life, which we believe creates a strategic growth opportunity for Berry based on the significant market of idle wells.

Our shareholder return model went into effect January 1, 2022. Like our business model, this shareholder return model is simple and demonstrates our commitment to optimize capital allocation and returns to our shareholders. The model is based on our Adjusted Free Cash Flow (formerly called Discretionary Free Cash Flow), which is defined as cash flow from operations less regular fixed dividends and maintenance capital. Maintenance capital, which represents the capital expenditures needed to optimize production volumes for a given year, is defined as capital expenditures, excluding, when applicable, (i) E&P capital expenditures that are related to strategic business expansion, such as acquisitions and divestitures of oil and gas properties and any exploration and development activities to increase production beyond the prior year's annual production volumes, (ii) capital expenditures in our well servicing and abandonment segment, (iii) corporate expenditures that are related to ancillary sustainability initiatives and/or (iv) other expenditures that are discretionary and unrelated to maintenance of our core business. The initial allocation of Adjusted Free Cash Flow in 2022 was contemplated as: (a) 60% predominantly in the form of variable cash dividends to be paid quarterly, as well as opportunistic debt repurchases; and (b) 40% which could

be used for opportunistic growth, including from our extensive inventory of drilling opportunities, advancing our short- and long-term sustainability initiatives, share repurchases, and/or capital retention. Our Adjusted Free Cash Flow in 2022 was \$200 million. In accordance with our shareholder return model in 2022 we will have paid a total of \$189 million related to 2022 performance which consisted of: (i) \$119 million for the variable cash dividends, (ii) \$19 million for fixed cash dividends and (iii) \$51 million for share repurchases.

In early February 2023, we updated our shareholder return model, including the plan to double our quarterly fixed dividend to \$0.12 per share. We also modified the allocations of Adjusted Free Cash Flow. Our goal is to continue maximizing shareholder value through overall returns. Starting with the first quarter of 2023, the allocation of Adjusted Free Cash will be (a) 80% primarily in the form of opportunistic debt or share repurchases; and (b) 20% in the form of variable dividends. Any dividends (fixed or variable) actually paid will be determined by our Board of Directors in light of then existing conditions, including our earnings, financial condition, restrictions in financing agreements, business conditions and other factors.

We believe that the successful execution of our strategy across our low-declining, oil-weighted production base coupled with extensive inventory of identified drilling locations with attractive full-cycle economics will support our objectives to generate free cash flow, which funds our operations, optimizes capital efficiency and maximizes shareholder returns. We also strive to maintain a low leverage profile and explore attractive organic and strategic growth through commodity price cycles. Our strategy includes proactively engaging the many forces driving our industry and impacting our operations, whether positive or negative, to maximize the utility of our assets, create value for shareholders, and support environmental goals that align with safe, more efficient and lower emission operations. As part of our commitment to creating long-term value for our shareholders, we are dedicated to conducting our operations in an ethical, safe and responsible manner, to protecting the environment, and to taking care of our people and the communities in which we live and operate. We believe that oil and gas will remain an important part of the energy landscape going forward and our goal is to conduct our business safely and responsibly, while supporting economic stability and social equity through engagement with our stakeholders. We recognize the oil and gas industry's role in the energy transition and advocate a co-existence between renewable and conventional energy. We are committed to being part of the energy transition solution by continuing to provide safe and affordable energy to our communities.

As part of our commitment to creating long-term value for our stockholders, we are dedicated to conducting our operations in an ethical, safe and responsible manner, to protecting the environment, and to taking care of our people and the communities in which we live and operate.

How We Plan and Evaluate Operations

We use the following metrics to manage and assess the performance of our operations: (a) Adjusted EBITDA; (b) Adjusted Free Cash Flow for shareholder returns; (c) production from our E&P business (d) E&P field operations measures; (e) HSE results; (f) general and administrative expenses; and (g) the performance of our well servicing and abandonment operations based on activity levels, pricing and relative performance for each service provided.

Adjusted EBITDA

Adjusted EBITDA is the primary financial and operating measurement that our management uses to analyze and monitor the operating performance of both our E&P business and CJWS. We also use Adjusted EBITDA in planning our capital allocation to sustain production levels and determining our strategic hedging needs aside from the hedging requirements of the 2021 RBL Facility (defined below in Liquidity and Capital Resources). Adjusted EBITDA is a non-GAAP financial measure that we define as earnings before interest expense; income taxes; depreciation, depletion, and amortization (“DD&A”); derivative gains or losses net of cash received or paid for scheduled derivative settlements; impairments; stock compensation expense; and unusual and infrequent items. See “Management’s Discussion and Analysis—Non-GAAP Financial Measures” for reconciliation of Adjusted EBITDA to net (loss) income and to net cash provided by operating activities, our most directly comparable financial

measures calculated and presented in accordance with GAAP. This supplemental non-GAAP financial measure is used by management and external users of our financial statements, such as industry analysts, investors, lenders and rating agencies.

Shareholder Returns

Commencing in 2022, we implemented a shareholder return model based on our Adjusted Free Cash Flow, which is a non-GAAP measure that we define as cash flow from operations less regular fixed dividends and maintenance capital. Maintenance capital represents the capital expenditures needed to maintain the same volume of annual oil and gas production and is defined as capital expenditures, excluding, when applicable, E&P capital expenditures that are related to strategic business expansion, such as acquisitions and divestitures of oil and gas properties and any exploration and development activities to increase production beyond the prior year's annual production volumes and capital expenditures in our well servicing and abandonment segment and corporate expenditures that are related to ancillary sustainability initiatives or other expenditures that are discretionary and unrelated to maintenance of our core business. Adjusted Free Cash Flow does not represent the total increase or decrease in our cash balance, and it should not be inferred that the entire amount of Adjusted Free Cash Flow is available for variable dividends, debt or share repurchase or other discretionary expenditures, since we have non-discretionary expenditures that are not deducted from this measure. Refer to ("Management's Discussion and Analysis—Non-GAAP Financial Measures" for a reconciliation of Adjusted Free Cash Flow to cash provided by operating activities, our most directly comparable financial measure calculated and presented in accordance with GAAP). Under our shareholder return model, which was revised in February 2023, we plan to pay a fixed dividend of \$0.12 per quarter. We also modified the allocations of Adjusted Free Cash Flow to be (a) 80% primarily in the form of opportunistic debt or share repurchases; and (b) 20% in the form of variable dividends. Any dividends (fixed or variable) actually paid will be determined by our Board of Directors in light of then existing conditions, including our earnings, financial condition, restrictions in financing agreements, business conditions and other factors.

Our focus on shareholder returns is also demonstrated through our performance-based restricted stock awards, which include performance metrics based on the Company's average cash returned on invested capital and total stockholder return on both a relative and absolute basis. Our short-term incentive plan also includes Adjusted Free Cash Flow performance goals.

Production

Oil and gas production is a key driver of our operating performance, an important factor to the success of our business, and used in forecasting future development economics. We measure and closely monitor production on a continuous basis, adjusting our property development efforts in accordance with the results. We track production by commodity type and compare it to prior periods and expected results.

E&P Field Operations (Formerly Operating Expenses)

We have changed the presentation of what we formerly referred to as Opex or operating expenses. Overall, management assesses the efficiency of our E&P field operations by considering core E&P operating expenses together with our cogeneration, marketing and transportation activities. In particular, a core component of our E&P operations in California is steam, which we use to lift heavy oil to the surface. We operate several cogeneration facilities to produce some of the steam needed in our operations. In comparing the cost effectiveness of our cogeneration plants against other sources of steam in our operations, management considers the cost of operating the cogeneration plants, including the cost of the natural gas purchased to operate the facilities, against the value of the steam and electricity used in our E&P field operations and the revenues we receive from sales of excess electricity to the grid. We strive to minimize the variability of our fuel gas costs for our California steam operations with natural gas purchase hedges. Consequently, the efficiency of our E&P field operations are impacted by the cash settlements we receive or pay from these derivatives. We also have contracts for the transportation of fuel gas from the Rockies which has historically been cheaper than the California markets. With respect to transportation and marketing, management also considers opportunistic sales of incremental capacity in assessing the overall efficiencies of E&P operations.

Lease operating expenses include fuel, labor, field office, vehicle, supervision, maintenance, tools and supplies, and workover expenses. Electricity generation expenses include the portion of fuel, labor, maintenance, and tools and supplies from two of our cogeneration facilities allocated to electricity generation expense; the remaining cogeneration expenses are included in lease operating expense. Transportation expenses relate to our costs to transport the oil and gas that we produce within our properties or move it to the market. Marketing expenses mainly relate to natural gas purchased from third parties that moves through our gathering and processing systems and then is sold to third parties. Electricity revenue is from the sale of excess electricity from two of our cogeneration facilities to a California utility company under long-term contracts at market prices. These cogeneration facilities are sized to satisfy the steam needs in their respective fields, but the corresponding electricity produced is more than the electricity that is currently required for the operations in those fields. Transportation sales relate to water and other liquids that we transport on our systems on behalf of third parties and marketing revenues represent sales of natural gas purchased from and sold to third parties.

Health, Safety & Environmental

Like other companies in the oil and gas industry, the operations of both our E&P business and CJWS are subject to complex federal, state and local laws and regulations that govern health and safety, the release or discharge of materials, and land use or environmental protection that may restrict the use of our properties and operations, increase our costs or lower demand for or restrict the use of our products and services. Please see “Part I, Item 1 “Regulatory Matters” and Part I, Item 1A. “Risk Factors” in this Annual Report for a discussion of the potential impact that government regulations, including those regarding HSE matters, may have upon our business, operations, capital expenditures, earnings and competitive position.

As part of our commitment to creating long-term stockholder value, we strive to conduct our operations in an ethical, safe and responsible manner, to protect the environment and to take care of our people and the communities in which we live and operate. We also seek proactive and transparent engagement with regulatory agencies, the communities in which we operate and our other stakeholders in order to realize the full potential of our resources in a timely fashion that safeguards people and the environment and complies with existing laws and regulations. We monitor our HSE performance through various measures, and we hold our employees and contractors to high standards. Meeting corporate HSE metrics, including with respect to HSE incidents and spill prevention, is a part of our short-term incentive program for all employees.

General and Administrative Expenses

We monitor our cash general and administrative expenses as a measure of the efficiency of our overhead activities and less than 10% of such costs are capitalized, which is significantly less than industry norms. Such

expenses are a key component of the appropriate level of support our corporate and professional team provides to the development of our assets and our day-to-day operations.

Well Servicing and Abandonment Operations Performance

We consistently monitor our well servicing and abandonment operations performance with revenue by service and customer, as well as Adjusted EBITDA for this business.

Business Environment and Market Conditions

Our operating and financial results, and those of the oil and gas industry as a whole, are heavily influenced by commodity prices, including differentials, which have and may continue to, fluctuate significantly as a result of numerous market-related variables, including global geopolitical, economic conditions, and local and regional market factors and dislocations. While oil prices greatly improved in 2022, they have and can still remain volatile.

Our well services and abandonment business is dependent on expenditures of oil and gas companies, which can in part reflect the volatility of commodity prices. Because existing oil and natural gas wells require ongoing spending to maintain production, expenditures by oil and gas companies for the maintenance of existing wells historically have been relatively stable and predictable. Additionally, our customers' requirements to plug and abandon wells are largely driven by regulatory requirements that is less dependent on commodity prices.

Currently, global oil inventories are low relative to historical levels and supply from OPEC+ and other oil producing nations are not expected to be sufficient to meet forecasted oil demand growth for the next few years. It is believed that many OPEC+ countries will be unable to increase their production levels or even produce at expected levels due to their lack of capital investments in developing incremental oil supplies over the past few years. In October 2022, OPEC+ determined to reduce production beginning in November 2022 through December 2023 by two million bbls per day, due to the uncertainty surrounding the global economic and oil market outlooks. Furthermore, sanctions and import bans on Russian oil have been implemented by various countries in response to the war in Ukraine, further impacting global oil supply. Still, oil and natural gas prices have recently declined from the highs experienced in the first half of 2022 and could decrease or increase with any changes in demand due to, among other things, China lifting COVID-19 restrictions in December 2022, the ongoing conflict in Ukraine, international sanctions, speculation as to future actions by OPEC+, developing COVID-19 variants and the potential for a widespread COVID-19 outbreak, higher gas prices, inflation and government efforts to reduce inflation, and possible changes in the overall health of the global economy, including a prolonged recession. Further, the volatility in oil and natural gas prices could accelerate a transition away from fossil fuels, resulting in reduced demand over the longer term. To what extent these and other external factors (such as government action with respect to climate change regulation) ultimately impact our future business, liquidity, financial condition, and results of operations is highly uncertain and dependent on numerous factors, including future developments, that are not within our control and cannot be accurately predicted.

In the past few years, there have been numerous global events that have greatly impacted the oil and gas environment, such as the COVID-19 pandemic, the impacts of the Russia and Ukraine war, and OPEC+'s actions. The COVID-19 pandemic resulted in a severe decrease in demand for oil, which created significant volatility and uncertainty in the oil and gas industry beginning in 2020. When combined with an excess supply of oil and related products, oil prices declined significantly in the first half of 2020. Although there has been some volatility, overall oil prices have steadily improved since the lows experienced in 2020, in line with increasing demand despite the ongoing pandemic and uncertainties surrounding the COVID-19 variants. Oil and natural gas prices increased significantly during 2022, reaching a high of almost \$128 per bbl, primarily due to global supply and demand imbalances, including as a result of the war in Ukraine. Brent prices were 40% higher for the year ended December 31, 2022 as compared to the year ended December 31, 2021.

Commodity Pricing and Differentials

Our revenue, costs, profitability, shareholder returns and future growth are highly dependent on the prices we receive for our oil and natural gas production, as well as the prices we pay for our natural gas purchases, which are affected by a variety of factors, including those discussed in Part I, Item 1A. “Risk Factors” in this Annual Report. We utilize derivatives to hedge a portion of our forecasted oil and gas production and gas purchases to reduce exposure to fluctuations in oil and natural gas prices.

Average Brent oil prices, as noted below, increased by \$28.09 or 40% for the year ended December 31, 2022 compared to the year ended December 31, 2021. Though the California market generally receives Brent-influenced pricing, California oil prices are determined ultimately by local supply and demand dynamics, including third-party transportation and market takeaway infrastructure capacity.

For our California steam operations, the price we pay for fuel gas purchases is generally based on the Northwest, Rocky Mountains index for the purchases made in the Rockies and the Kern, Delivered index for the purchases made in California. We currently buy most of our gas in the Rockies. The high price from the Northwest, Rocky Mountain index was \$11.39 per mmbtu and as low as \$4.38 mmbtu in 2022. The high price from the Kern, Delivered index was \$50.79 per mmbtu and as low as \$3.70 mmbtu in 2022. We paid an average of \$7.86 per mmbtu for the year. The price we paid on average increased by \$2.22 per mmbtu, or 39% for the year ended December 31, 2022, compared to the year ended December 31, 2021.

The following table presents the average Brent; WTI; Kern, Delivered; Northwest, Rocky Mountains; and Henry Hub prices for the years ended December 31, 2022 and 2021:

	Year Ended December 31,			
	2022		2021	
Oil (bbl) – Brent	\$	99.04	\$	70.95
Oil (bbl) – WTI	\$	94.39	\$	67.90
Natural gas (mmbtu) – Kern, Delivered	\$	8.99	\$	5.65
Natural gas (mmbtu) – Northwest, Rocky Mountains	\$	6.95	\$	3.90
Natural gas (mmbtu) – Henry Hub	\$	6.45	\$	3.89

As mentioned above, California oil prices are Brent-influenced as California refiners import approximately 70% of the state’s demand from OPEC+ countries and other waterborne sources. Without the higher costs and potential environmental impact associated with importing crude via rail or supertanker, we believe our in-state production and low-cost crude transportation options, coupled with Brent-influenced pricing, in appropriate oil price environments, should continue to allow us to realize positive cash margins in California over the cycle.

Utah oil prices have historically traded at a discount to WTI as the local refineries are designed for Utah's unique oil characteristics and the remoteness of the assets makes access to other markets logistically challenging. However, we have high operational control of our existing acreage, which provides significant upside for additional vertical and/or horizontal development and recompletions.

Natural gas prices and differentials are strongly affected by local market fundamentals, availability of transportation capacity from producing areas and seasonal impacts. Our key exposure to gas prices is in our costs. We purchase substantially more natural gas for our California steamfloods and cogeneration facilities than we produce and sell in the Rockies. In May 2022, we began purchasing most of our gas in the Rockies and transport it to our California operations using our Kern River pipeline capacity. In 2022, we purchased approximately 60,000 mmbtu/d, of which 12,000 mmbtu/d was purchased in California beginning when we entered into the Kern River pipeline capacity agreement for 48,000 mmbtu/d. The natural gas we purchase in the Rockies is shipped to our operations in California to help limit our exposure to California fuel gas purchase price fluctuations. We strive to further minimize the variability of our fuel gas costs for our steam operations by hedging a significant portion of gas

purchases. Additionally, the negative impact of higher gas prices on our California operating expenses is partially offset by higher gas sales for the gas we produce and sell in the Rockies.

Among other factors, extreme cold weather conditions drove high natural gas prices in 2022. In California we experienced a significant increase in mid-December 2022, with gas prices briefly as high as \$50.79 per mmbtu. We quickly pivoted and reduced our gas consumption in California by temporarily shutting-down one of our cogeneration facilities and reducing steam generation in other parts of our operation, which negatively impacted production. We seek to mitigate a substantial portion of the gas purchase exposure for our cogeneration plants by selling excess electricity from our cogeneration operations to third parties at prices linked to the price of natural gas. Aside from the impact gas prices have on electricity prices, these sales are generally higher in the summer months as they include seasonal capacity amounts. Based on market prices and current and projected supply and demand balances, our current expectation is that natural gas prices in California will continue to remain elevated through the first half of 2023 and begin to weaken in the middle of 2023. Our hedging strategy coupled with our midstream access to gas from the Rockies also helps mitigate the impact of the high natural gas prices on our cost structure.

Prices and differentials for NGLs are related to the supply and demand for the products making up these liquids. Some of them more typically correlate to the price of oil while others are affected by natural gas prices as well as the demand for certain chemical products which are used as feedstock. In addition, infrastructure constraints magnify pricing volatility.

Our earnings are also affected by the performance of our cogeneration facilities. These cogeneration facilities generate both electricity and steam for our properties and electricity for off-lease sales. While a portion of the electric output of our cogeneration facilities is utilized within our production facilities to reduce operating expenses, we also sell electricity produced by two of our cogeneration facilities under long-term contracts with terms ending in December 2023 and November 2026. The most significant input and cost of the cogeneration facilities is natural gas. We generally receive significantly more revenue from these cogeneration facilities in the summer months, most notably in June through September, due to negotiated capacity payments we receive.

Seasonal weather conditions have in the past, and in the future likely will, impact our drilling, production and well servicing activities. Extreme weather conditions can pose challenges to meeting well-drilling and completion objectives and production goals. Seasonal weather can also lead to increased competition for equipment, supplies and personnel, which could lead to shortages and increased costs or delayed operations. Our operations have been, and in the future could be, impacted by ice and snow in the winter, especially in Utah, and by electrical storms and high temperatures in the spring and summer, as well as by wildfires and rain. Additionally, unusually heavy rains or extreme temperatures can cause flooding and power outages which could adversely impact our ability to operate, particularly in California. For example, in December of 2022, unusually poor weather caused operational challenges, production downtime, and much higher natural gas prices in California. The extreme, adverse weather conditions have continued in the first quarter of 2023 and impacted our production.

Additionally, like other companies in the oil and gas industry, our operations are subject to stringent federal, state and local laws and regulations relating to drilling, completion, well stimulation, operation, maintenance or abandonment of wells or facilities, managing energy, water, land, greenhouse gases or other emissions, protection of health, safety and the environment, or transportation, marketing, and sale of our products. Federal, state and local agencies may assert overlapping authority to regulate in these areas. See “Items 1 and 2. Business and Properties—Regulation of Health, Safety and Environmental Matters” for a description of laws and regulations that affect our business. For more information related to regulatory risks, see “Item 1A. Risk Factors—Risks Related to Our Operations and Industry”.

Certain Operating and Financial Information

The following tables set forth information regarding average daily production, total production, and average prices for the years ended December 31, 2022 and 2021.

	Year Ended December 31,	
	2022	2021
Average daily production:⁽¹⁾		
Oil (mmbbl/d)	24.0	24.2
Natural Gas (mmcf/d)	10.2	17.1
NGLs (mmbbl/d)	0.4	0.4
Total (mboe/d) ⁽²⁾	26.1	27.4
Total Production:		
Oil (mmbbl)	8,770	8,825
Natural gas (mmcf)	3,706	6,224
NGLs (mmbbl)	144	141
Total (mboe) ⁽²⁾	9,532	10,004
Weighted-average realized prices:		
Oil without hedges (\$/bbl)	\$ 91.98	\$ 66.57
Effects of scheduled derivative settlements (\$/bbl)	\$ (14.39)	\$ (16.45)
Oil with hedges (\$/bbl)	\$ 77.59	\$ 50.12
Natural gas (\$/mcf)	\$ 7.96	\$ 5.27
NGLs (\$/bbl)	\$ 43.85	\$ 36.64
Average Benchmark prices:		
Oil (bbl) – Brent	\$ 99.04	\$ 70.95
Oil (bbl) – WTI	\$ 94.39	\$ 67.90
Gas (mmbtu) – Kern, Delivered ⁽³⁾	\$ 8.99	\$ 5.65
Natural gas (mmbtu) – Northwest, Rocky Mountains ⁽⁴⁾	\$ 6.95	\$ 3.90
Natural gas (mmbtu) – Henry Hub ⁽⁴⁾	\$ 6.45	\$ 3.89

- (1) Production represents volumes sold during the period. We also consume a portion of the natural gas we produce on lease to extract oil and gas.
- (2) Natural gas volumes have been converted to boe based on energy content of six mcf of gas to one bbl of oil. Barrels of oil equivalence does not necessarily result in price equivalence. The price of natural gas on a barrel of oil equivalent basis is currently substantially lower than the corresponding price for oil and has been similarly lower for a number of years. For example, in the year ended December 31, 2022, the average prices of Brent oil and Henry Hub natural gas were \$99.04 per bbl and \$6.45 per mmbtu respectively.
- (3) The natural gas we purchase to generate steam and electricity is primarily based on Rockies price indexes, including transportation charges, as we currently purchase a substantial majority of our gas needs from the Rockies, with the balance purchased in California. Kern, Delivered Index is the relevant index used only for the portion of gas purchases in California.
- (4) Northwest, Rocky Mountains and Henry Hub are the relevant indices used for gas sales and purchases in the Rockies.

The following table sets forth average daily production by operating area for the periods indicated:

	Year Ended December 31,	
	2022	2021
Average daily production (mboe/d)⁽¹⁾:		
California ⁽²⁾	21.3	22.0
Utah ⁽³⁾	4.7	4.2
	26.0	26.2
Colorado ⁽⁴⁾	0.1	1.2
Total average daily production	26.1	27.4

(1) Production represents volumes sold during the period.

(2) Includes production for Placerita properties through the end of October 2021 when they were divested. These properties had average daily production in 2021 of approximately 700 boe/d.

(3) Includes production for Antelope Creek area from February 2022, when it was acquired, through the end of 2022.

(4) In January 2022, we divested all of our natural gas properties in Colorado.

Year-over-year our overall production was flat, excluding the effect of our acquisitions and divestitures in 2022 and 2021. Utah production increased 0.5 mboe/d, or 12% due to new drilling activity and the Antelope Creek purchase, which more than offset natural decline. Antelope Creek's exit production rate was 1.2 mboe/d, approximately double that upon acquisition as we identified underperforming wells and executed an extensive workover campaign to maximize their performance. The year ended December 31, 2021 included 1.2 mboe/d of production from the Colorado assets, as well as 0.7 mboe/d of production from the Placerita asset in California, which was divested in the fourth quarter of 2021.

Year-over-year California production, on a comparable basis, excluding Placerita volumes, was flat at 21.3 mboe/d.

Results of Operations

	Year Ended December 31,		\$ Change	% Change
	2022	2021		
	(in thousands)			
Revenues and other:				
Oil, natural gas and natural gas liquid sales	\$ 842,449	\$ 625,475	\$ 216,974	35 %
Services revenue	181,400	35,840	145,560	406 %
Electricity sales	30,833	35,636	(4,803)	(13)%
(Losses) gains on oil and gas sales derivatives	(137,109)	(156,399)	19,290	(12)%
Marketing and other revenues	768	4,398	(3,630)	(83)%
Total revenues and other	<u>\$ 918,341</u>	<u>\$ 544,950</u>	<u>\$ 373,391</u>	69 %

Revenues and Other

We hedge a significant portion of our oil sales in order to protect our anticipated cash flows from oil price decreases, as well as to meet the hedging requirements of the 2021 RBL Facility. In 2022, our realized oil price was \$91.98 per bbl and the hedged price was \$77.59 per bbl. By comparison, in 2021, our realized oil price was \$66.57 per bbl and our hedged price was \$50.12 per bbl.

Oil, natural gas and NGL sales increased by \$217 million, or 35%, to approximately \$842 million for the year ended December 31, 2022 when compared to the year ended December 31, 2021. The increase was driven by \$223 million and \$10 million of higher prices for oil and natural gas, respectively, partially offset by a \$16 million decrease in volumes. Of this volume variance, natural gas accounted for \$13 million, the result of the sale of our exclusively natural gas properties in Colorado in January 2022, and the remaining \$3 million variance was from the sale of Placerita late in 2021, net of the additional volumes from Antelope Creek. The well servicing and abandonment segment occasionally provides services to our E&P segment, as such, we recorded an intercompany elimination of \$3 million in revenue and expense during consolidation. The intercompany elimination in 2021 was immaterial.

Services revenue in 2022 consisted entirely of revenue from our well servicing and abandonment business. Since we acquired the business on October 1, 2021, 2022 is our first full year of activity and 2021 had only one quarter of activity.

Electricity sales which represent sales to utilities decreased by \$5 million, or 13%, to approximately \$31 million for the year ended December 31, 2022 when compared to the year ended December 31, 2021. The decrease was due to lower sales volume as a result of the sale of a cogeneration facility which was part of the Placerita divestiture in late 2021. Year-over-year cogen revenue on comparable basis, excluding Placerita's cogen sales from 2021, increased \$6 million dollars, or 22%, due to higher unit revenue.

Gain or loss on oil and gas sales derivatives consists of settlement gains and losses and mark-to-market gains and losses. In the years ended December 31, 2022 and December 31, 2021, settlement losses were \$126 million and \$143 million, respectively. The change was due to lower volume hedged in 2022 compared to 2021. The mark-to-market non-cash losses for the years ended December 31, 2022 and 2021 of \$11 million and \$14 million, respectively, were due to higher future prices relative to the derivative fixed prices at each year end.

Marketing and other revenues were lower for the year ended December 31, 2022, compared to the year ended December 31, 2021 due to the sale of our Piceance Colorado operations in January 2022, which included third-party marketing activities. Piceance has historically accounted for nearly all of our marketing revenues.

	Year Ended December 31,		\$ Change	% Change
	2022	2021		
	(in thousands)			
Expenses and other:				
Lease operating expenses	\$ 302,321	\$ 236,048	\$ 66,273	28 %
Costs of services	142,819	28,339	114,480	404 %
Electricity generation expenses	21,839	23,148	(1,309)	(6)%
Transportation expenses	4,564	6,897	(2,333)	(34)%
Marketing expenses	299	3,811	(3,512)	(92)%
General and administrative expenses	96,439	73,106	23,333	32 %
Depreciation, depletion and amortization	156,847	144,495	12,352	9 %
Taxes, other than income taxes	39,495	46,500	(7,005)	(15)%
Gains on natural gas purchase derivatives	(88,795)	(38,577)	(50,218)	130 %
Other operating expense	3,722	3,101	621	20 %
Total expenses and other	679,550	526,868	152,682	29 %
Other (expenses) income:				
Interest expense	(30,917)	(31,964)	(1,047)	(3)%
Other, net	(142)	(247)	(105)	(43)%
Total other (expenses) income	(31,059)	(32,211)	(1,152)	(4)%
Income (loss) before income taxes	207,732	(14,129)	(221,861)	1,570 %
Income tax expense (benefit)	(42,436)	1,413	(43,849)	3,103 %
Net income (loss)	\$ 250,168	\$ (15,542)	\$ (265,710)	1,710 %
Adjusted EBITDA⁽¹⁾	\$ 379,948	\$ 212,146	\$ 167,802	79 %
Adjusted Net Income (Loss)⁽¹⁾	\$ 226,463	\$ 10,722	\$ 215,741	2,012 %

(1) Adjusted EBITDA and Adjusted Net Income (Loss) are financial measures that are not calculated in accordance with GAAP. For definitions and a reconciliation to the Net Cash Provided by Operating Activities and Net Income (Loss), please see “Item 7 — Non-GAAP Financial Measures”.

Expenses

Lease operating expense increased 28% on an absolute dollar basis, when compared to the prior year. Of this increase, approximately 60% was the result of higher natural gas (fuel) costs for our California steam facilities. Average natural gas purchase price increased 39% per mmbtu compared to 2021, which increased fuel expense 34%, net of the benefit from lower consumption. Lease operating expense excluding fuel increased 23% on an absolute dollar basis due to higher well servicing and workover costs, outside services, chemicals and power. While the activity level increased from 2021, particularly so for well servicing and workovers, we also experienced inflationary pressure from service providers and for materials and supplies which ranged from 5% to 15%.

Cost of services consisted entirely of costs from the well servicing and abandonment business we acquired on October 1, 2021. Since 2022 was our first full year of operations the prior period is not comparable.

Electricity generation expenses decreased 1% to \$2.29 per boe for the year ended December 31, 2022 from \$2.31 for the year ended December 31, 2021 due to lower volumes sold resulting from the previously discussed sale of a cogeneration facility in late 2021, more than offsetting the increase in fuel prices. Fuel costs included in electricity generation expenses exclude the effects of natural gas derivative settlements discussed elsewhere.

Transportation expenses decreased 30% to \$0.48 per boe for the year ended December 31, 2022, compared to \$0.69 for the year ended December 31, 2021, mainly due to the divestiture of our Piceance properties.

Marketing expenses decreased 92% to \$0.03 per boe for the year ended December 31, 2022, compared to \$0.38 per boe for the year ended December 31, 2021 due to the sale of our Piceance Colorado operations in the first quarter of 2022, which included third-party marketing activities. Piceance has historically accounted for nearly all of our marketing revenue.

Gain or loss on natural gas purchase derivatives for the year ended December 31, 2022 and 2021 was a gain of \$89 million and \$39 million, respectively. The settlement gain for the year ended December 31, 2022 was \$38 million, or \$4.00 per boe, compared to gain of \$51 million, or \$5.09 per boe for same period in 2021, primarily due to lower hedged volumes in 2022 compared to 2021. Settled hedges in 2022 had an average fixed price of \$4.21 and notional quantities of 38,000 mmbtu per day, compared to \$2.80 and 46,000 in 2021. The mark-to-market valuation gain or loss for the years ended December 31, 2022 and December 31, 2021 was a gain of \$51 million and a loss of \$13 million, respectively, consistent with the changes in futures prices at the end of each period.

General and administrative expenses increased by approximately \$23 million or 32%, for the year ended December 31, 2022 compared to the year ended December 31, 2021. The year-over-year increase was due to a full year of CJWS expense, employee cost inflation including non-cash stock compensation, and higher professional services. For the year ended December 31, 2022 and 2021, non-cash stock compensation costs were approximately \$16 million and \$13 million, respectively, and non-recurring costs were flat at \$3 million, respectively. The non-recurring costs in 2022 consisted primarily of management succession costs and in 2021 these were legal and other professional services costs related to acquisition activity.

We define “Adjusted General and Administrative Expenses” as general and administrative expenses adjusted for non-cash stock compensation expense and unusual and infrequent costs (“Adjusted General and Administrative Expenses”). Adjusted general and administrative expenses, which excluded non-cash stock compensation costs and non-recurring costs, increased \$19 million to \$76 million compared to \$57 million in 2021. The year-over-year increase was due to a full year of CJWS expense, employee cost inflation and higher professional services. Please see “—Non-GAAP Financial Measures” for a reconciliation of adjusted general and administrative expense to general and administrative expenses, the most directly comparable financial measures calculated and presented in accordance with GAAP.

DD&A increased by \$12 million, or 9%, to approximately \$157 million, for the year ended December 31, 2022 compared to the year ended December 31, 2021. The CJWS acquisition increased depreciation by \$10 million with the balance of the increase from slightly higher depletion rates in the E&P segment. On a per boe basis, year-over-year DD&A increased \$2.02 to \$16.46 from \$14.44.

Taxes, Other Than Income Taxes

	Year Ended December 31,		\$ Change	% Change
	2022	2021		
	(per boe)			
Severance taxes	\$ 1.46	\$ 0.83	\$ 0.63	76 %
Ad valorem taxes	1.68	1.73	(0.05)	(3)%
Greenhouse gas allowances	1.00	2.09	(1.09)	(52)%
Total taxes other than income taxes	<u>\$ 4.14</u>	<u>\$ 4.65</u>	<u>\$ (0.51)</u>	(11)%

Taxes, other than income taxes, decreased \$0.51 to \$4.14 per boe for the year ended December 31, 2022 compared to \$4.65 for the year ended December 31, 2021. Severance taxes increased as a result of higher unit revenue and higher sales volume in Utah. Ad valorem taxes declined slightly, net of higher rates on existing properties, from the sale of Placerita in late 2021 and Piceance in January 2022. The decrease in GHG expense was due to the sale of Placerita in the fourth quarter of 2021, which lowered GHG emissions, as well as lower GHG mark-to-market prices on remaining operations.

Other Operating Expense (Income)

For the years ended December 31, 2022 and 2021 other operating expenses were \$4 million and \$3 million, respectively. For the year ended December 31, 2022, other operating expenses mainly consisted of \$2 million in charges from a royalty audit related to activity prior to our emergence and restructuring in 2017 and approximately \$2 million loss on the divestiture of the Piceance properties. For the year ended December 31, 2021, other operating expenses mainly consisted of expensing approximately \$3 million of unamortized debt issuance costs related to the 2017 RBL Facility, approximately \$3 million of supplemental property tax assessments, royalty audit charges and tank rental costs, and \$2 million of various other costs such as excess abandonment costs and legal fees, partially offset by approximately \$2 million of gain on the sale of properties and over \$2 million of income from employee retention credits.

Interest Expense

Interest expense decreased 3% or \$1 million for year ended December 31, 2022 compared to the same period in 2021 as we had lower intra-period working capital borrowings on the 2021 RBL Facility in 2022.

Income Tax Expense (Benefit)

For the year ended December 31, 2022, we had income tax benefits of approximately \$42 million and a tax expense of approximately \$1 million in 2021. The change in our effective tax rate from (10.0)% for the year ended December 31, 2021 to (20)% for the year ended December 31, 2022 is primarily due to recognition of U.S. federal general business credits in 2022 related to the 2021 tax period and release of the valuation allowance. The credits recorded in 2022 are available to offset future federal income tax liabilities. Refer to Note 8 of the consolidated financial statements for more information about our income taxes.

E&P Field Operations

	Year Ended December 31,		\$ Change	% Change
	2022	2021		
(per boe)				
Expenses from field operations				
Lease operating expenses	\$ 31.72	\$ 23.60	\$ 8.12	34 %
Electricity generation expenses	2.29	2.31	\$ (0.02)	(1)%
Transportation expenses	0.48	0.69	\$ (0.21)	(30)%
Marketing expenses	0.03	0.38	(0.35)	(92)%
Total	\$ 34.52	\$ 26.98	\$ 7.54	28 %
Cash settlements received for gas purchase hedges				
	\$ (4.00)	\$ (5.09)	\$ 1.09	(21)%
E&P non-production revenues				
Electricity sales	3.24	3.56	\$ (0.32)	(9)%
Transportation sales	0.05	0.05	\$ 0.00	0 %
Marketing revenues	0.03	0.39	(0.36)	(92)%
Total	\$ 3.32	\$ 4.00	\$ (0.68)	(17)%

We have changed the presentation of what we formerly referred to as Opex or operating expenses. Overall, management assesses the efficiency of our E&P field operations by considering core E&P operating expenses together with our cogeneration, marketing and transportation activities. In particular, a core component of our E&P operations in California is steam, which we use to lift heavy oil to the surface. We operate several cogeneration facilities to produce some of the steam needed in our operations. In comparing the cost effectiveness of our cogeneration plants against other sources of steam in our operations, management considers the cost of operating the cogeneration plants, including the cost of the natural gas purchased to operate the facilities, against the value of the steam and electricity used in our E&P field operations and the revenues we receive from sales of excess electricity to the grid. We strive to minimize the variability of our fuel gas costs for our California steam operations with natural gas purchase hedges. Consequently, the efficiency of our E&P field operations are impacted by the cash settlements we receive or pay from these derivatives. We also have contracts for the transportation of fuel gas from the Rockies which has historically been cheaper than the California markets. With respect to transportation and marketing, management also considers opportunistic sales of incremental capacity in assessing the overall efficiencies of E&P operations.

Lease operating expenses include fuel, labor, field office, vehicle, supervision, maintenance, tools and supplies, and workover expenses. Electricity generation expenses include the portion of fuel, labor, maintenance, and tools and supplies from two of our cogeneration facilities allocated to electricity generation expense; the remaining cogeneration expenses are included in lease operating expense. Transportation expenses relate to our costs to transport the oil and gas that we produce within our properties or move it to the market. Marketing expenses mainly relate to natural gas purchased from third parties that moves through our gathering and processing systems and then is sold to third parties. Electricity revenue is from the sale of excess electricity from two of our cogeneration facilities to a California utility company under long-term contracts at market prices. These cogeneration facilities are sized to satisfy the steam needs in their respective fields, but the corresponding electricity produced is more than the electricity that is currently required for the operations in those fields. Transportation sales relate to water and other liquids that we transport on our systems on behalf of third parties and marketing revenues represent sales of natural gas purchased from and sold to third parties.

Liquidity and Capital Resources

Currently, we expect to fund our 2023 capital expenditures with cash flows from our operations. As of December 31, 2022, we had liquidity of \$252 million, consisting of \$46 million cash, \$193 million available for borrowings under our 2021 RBL Facility and CJWS had \$13 million available for borrowings under our 2022 ABL Facility (as defined below). We also have \$400 million in aggregate principal amount 7% senior unsecured notes due February 2026 outstanding as further discussed below.

Our shareholder return model went into effect January 1, 2022. Like our business model, this shareholder return model is simple and demonstrates our commitment to optimize capital allocation and returns to our shareholders. The model is based on our Adjusted Free Cash Flow (formerly called Discretionary Free Cash Flow), which is defined as cash flow from operations less regular fixed dividends and maintenance capital. Maintenance capital, which represents the capital expenditures needed to optimize production volumes for a given year, is defined as capital expenditures, excluding, when applicable, (i) E&P capital expenditures that are related to strategic business expansion, such as acquisitions and divestitures of oil and gas properties and any exploration and development activities to increase production beyond the prior year's annual production volumes, (ii) capital expenditures in our well servicing and abandonment segment, (iii) corporate expenditures that are related to ancillary sustainability initiatives and/or (iv) other expenditures that are discretionary and unrelated to maintenance of our core business. The initial allocation of Adjusted Free Cash Flow in 2022 was contemplated as: (a) 60% predominantly in the form of variable cash dividends to be paid quarterly, as well as opportunistic debt repurchases; and (b) 40% which could be used for opportunistic growth, including from our extensive inventory of drilling opportunities, advancing our short- and long-term sustainability initiatives, share repurchases, and/or capital retention. Our Adjusted Free Cash Flow in 2022 was \$200 million. In accordance with our shareholder return model in 2022 we will have paid a total of \$189 million related to 2022 performance which consisted of: (i) \$119 million for the variable cash dividends, (ii) \$19 million for fixed cash dividends and (iii) \$51 million for share repurchases.

In early February 2023, we updated our shareholder return model, including the plan to double our quarterly fixed dividend to \$0.12 per share. We also modified the allocations of Adjusted Free Cash Flow. Our goal is to continue maximizing shareholder value through overall returns. Starting with the first quarter of 2023, the allocation of Adjusted Free Cash will be (a) 80% primarily in the form of opportunistic debt or share repurchases; and (b) 20% in the form of variable dividends. Any dividends (fixed or variable) actually paid will be determined by our Board of Directors in light of then existing conditions, including our earnings, financial condition, restrictions in financing agreements, business conditions and other factors.

Adjusted Free Cash Flow does not represent the total increase or decrease in our cash balance, and it should not be inferred that the entire amount of Adjusted Free Cash Flow is available for variable dividends, debt or share repurchase or other discretionary expenditures, since we have non-discretionary expenditures that are not deducted from this measure. Adjusted Free Cash Flow is a non-GAAP financial measure. See "Management's Discussion and Analysis—Non-GAAP Financial Measures" for a reconciliation of Adjusted Free Cash Flow to cash provided by operating activities, our most directly comparable financial measure calculated and presented in accordance with GAAP.

We currently believe that our liquidity, capital resources and cash will be sufficient to conduct our business and operations for at least the next 12 months. In the longer term, if oil prices were to significantly decline and remain weak, we may not be able to continue to generate the same level of Adjusted Free Cash Flow we are currently generating and our liquidity and capital resources may not be sufficient to conduct our business and operations until commodity prices recover. Please see Part II, Item 1A "Risk Factors" for a discussion of known material risks, many of which are beyond our control, that could adversely impact our business, liquidity, financial condition, and results of operations.

2021 RBL Facility

On August 26, 2021, Berry Corp, as a guarantor, together with Berry LLC, as the borrower, entered into a credit agreement that provided for a revolving loan with up to \$500 million of commitments, subject to a reserve

borrowing base (as amended by the First Amendment, the Second Amendment and the Third Amendment, each as defined below, the “2021 RBL Facility”). Our initial borrowing base is \$200 million. The 2021 RBL Facility provides a letter of credit subfacility for the issuance of letters of credit in an aggregate amount not to exceed \$20 million. Issuances of letters of credit reduce the borrowing availability for revolving loans under the 2021 RBL Facility on a dollar for dollar basis. The 2021 RBL Facility matures on August 26, 2025, unless terminated earlier in accordance with the 2021 RBL Facility terms. Borrowing base redeterminations generally become effective each May and November, although the borrower and the lenders may each make one interim redetermination between scheduled redeterminations. In December 2021, we completed the first scheduled semi-annual borrowing base redetermination and entered into that certain First Amendment to Credit Agreement (the “First Amendment”), which resulted in a reaffirmed borrowing base at \$200 million and changes to the hedging covenants in respect of the exclusion of short puts or similar derivatives in the calculation of minimum and maximum hedging requirements.

In May 2022, Berry Corp., as a guarantor, and Berry LLC, as the borrower, entered into that certain Second Amendment to Credit Agreement and Limited Consent and Waiver (the “Second Amendment”) pursuant to which, among other things, the requisite lenders under the 2021 RBL Facility (i) consented to certain dividends and distributions and to certain investments made by Berry LLC in C&J and/or C&J Management, in each case, as further described therein, (ii) waived certain minimum hedging requirements for the time periods described therein, (iii) waived any breach, default or event of default which may have arisen as a result of any of the foregoing, (iv) amended the restricted payments covenant to give us additional flexibility to make restricted payments, subject to satisfaction of certain leverage and availability conditions and other conditions described below and in the Second Amendment and (v) amended the minimum hedging covenant to not, until October 1, 2022, require hedges for any full calendar month from and after January 1, 2025, as further described in the Second Amendment. In May 2022, we also completed our semi-annual borrowing base redetermination and entered into the Third Amendment to the Credit Agreement (the “Third Amendment”), which among other things (1) increased the borrowing base from \$200 million to \$250 million; (2) established the Aggregate Elected Commitment Amounts (as defined in the 2021 RBL Facility) at \$200 million initially; and (3) converted all outstanding Eurodollar Loans (into Term Benchmark Loans (each as defined in the 2021 RBL Facility) with an initial interest period of one-month’s duration and otherwise give effect to the transition from the London interbank offered rate (“LIBOR”) to the secured overnight financing rate (“SOFR”) by replacing the adjusted LIBOR rate with the term SOFR rate for one, three or six months plus 0.1% (subject to a floor of 0.5%).

In December 2022, we completed our scheduled semi-annual borrowing base redetermination, which resulted in a reaffirmed borrowing base at \$250 million and \$200 million elected commitment amount.

If the outstanding principal balance of the revolving loans and the aggregate face amount of all letters of credit under the 2021 RBL Facility exceeds the borrowing base at any time as a result of a redetermination of the borrowing base, we have the option within 30 days to take any of the following actions, either individually or in combination: make a lump sum payment curing the deficiency, deliver reserve engineering reports and mortgages covering additional oil and gas properties sufficient in certain lenders’ opinion to increase the borrowing base and cure the deficiency or begin making equal monthly principal payments that will cure the deficiency within the next six-month period. Upon certain adjustments to the borrowing base other than a result of a redetermination, we are required to make a lump sum payment in an amount equal to the amount by which the outstanding principal balance of the revolving loans and the aggregate face amount of all letters of credit under the 2021 RBL Facility exceeds the borrowing base. In addition, the 2021 RBL Facility provides that if there are any outstanding borrowings and the consolidated cash balance exceeds \$20 million at the end of each calendar week, such excess amounts shall be used to prepay borrowings under the credit agreement. Otherwise, any unpaid principal will be due at maturity.

The outstanding borrowings under the revolving loan bear interest at a rate equal to either (i) a customary base rate plus an applicable margin ranging from 2.0% to 3.0% per annum, and (ii) a customary benchmark rate plus an applicable margin ranging from 3.0% to 4.0% per annum, and in each case depending on levels of borrowing base utilization. In addition, we must pay the lenders a quarterly commitment fee of 0.5% on the average daily unused amount of the borrowing availability under the 2021 RBL Facility. We have the right to prepay any borrowings under the 2021 RBL Facility with prior notice at any time without a prepayment penalty.

The 2021 RBL Facility requires us to maintain on a consolidated basis as of each quarter-end (i) a leverage ratio of not more than 3.0 to 1.0 and (ii) a current ratio of not less than 1.0 to 1.0. As of December 31, 2022, our leverage ratio and current ratio were 1.2 to 1.0 and 1.7 to 1.0, respectively. In addition, the 2021 RBL Facility currently provides that, to the extent we incur unsecured indebtedness, including any amounts raised in the future, the borrowing base will be reduced by an amount equal to 25% of the amount of such unsecured debt. We were in compliance with all financial covenants under the 2021 RBL Facility as of December 31, 2022.

The 2021 RBL Facility contains usual and customary events of default and remedies for credit facilities of a similar nature. The 2021 RBL Facility also places restrictions on the borrower and its restricted subsidiaries with respect to additional indebtedness, liens, dividends and other payments to shareholders, repurchases or redemptions of our common stock, redemptions of the borrower's senior notes, investments, acquisitions, mergers, asset dispositions, transactions with affiliates, hedging transactions and other matters.

From and after August 26, 2022, the 2021 RBL Facility permits us to repurchase certain indebtedness so long as both before and after giving pro forma effect to such repurchase, no default or event of default exists, availability is equal to or greater than 20% of the borrowing base and our pro forma leverage ratio is less than or equal to 2.0 to 1.0. The 2021 RBL Facility also permits us to make restricted payments so long as both before and after giving pro forma effect to such distribution, no default or event of default exists, availability exceeds 75% of the borrowing base, and our pro forma leverage ratio is less than or equal to 1.5 to 1.0. In addition, we can make other restricted payments in an aggregate amount not to exceed 100% of Free Cash Flow (as defined under the 2021 RBL Facility) for the fiscal quarter most recently ended prior to such distribution so long as, in addition to other conditions and limitations as described in the 2021 RBL Facility, both before and after giving pro forma effect to such distribution, no default or event of default exists, availability is greater than 20% of the borrowing base and our pro forma leverage ratio is less than or equal to 2.0 to 1.0.

We can repurchase equity or make other distributions to our equity holders in an amount equal to (i) 100% of Free Cash Flow (as defined under the 2021 RBL Facility) for the fiscal quarter most recently ended prior to such repurchase or distribution minus (ii) the amount of certain investments made, so long as, in addition to other conditions and limitations as described in the 2021 RBL Facility, availability is equal to or greater than 20% of the elected commitments or borrowing base, whichever is in effect, and our pro forma leverage ratio is less than or equal to 2.0 to 1.0.

Berry LLC is the borrower on the 2021 RBL Facility and Berry Corp. is the guarantor. Each future subsidiary of Berry Corp., with certain exceptions, is required to guarantee our obligations and obligations of the other guarantors under the 2021 RBL Facility and under certain hedging transactions and banking services arrangements (the "Guaranteed Obligations"). The lenders under the 2021 RBL Facility hold a mortgage on at least 90% of the present value of our proven oil and gas reserves. The obligations of Berry LLC and the guarantors are also secured by liens on substantially all of our personal property, subject to customary exceptions.

As of December 31, 2022, we had no borrowings outstanding, \$7 million in letters of credit outstanding, and approximately \$193 million of available borrowings capacity under the 2021 RBL Facility.

2022 ABL Facility

On August 9, 2022, C&J and C&J Management, which are the two entities that constitute the well servicing and abandonment segment referred to as CJWS, as borrowers, entered into a credit agreement with Tri Counties Bank, as lender, that provides for a revolving loan facility, subject to satisfaction of customary conditions precedent to borrowing, of up to the lesser of (x) \$15 million and (y) the borrowing base ("the "2022 ABL Facility"). The "borrowing base" is an amount equal to 80% percent of the balance due on eligible accounts receivable, subject to reserves that Tri Counties Bank may implement in its reasonable discretion. Interest on the outstanding principal amount of the revolving loans under the 2022 ABL Facility accrues at a per annum rate equal to 1.25% in excess of The Wall Street Journal Prime Rate. The "Wall Street Journal Prime Rate" is the variable rate of interest, on a per annum basis, which is announced and/or published in the "Money Rates" section of The Wall Street Journal from time to time as its "Prime Rate". The rate will be redetermined whenever The Wall Street Journal Prime Rate

changes. Interest is due quarterly, in arrears, starting on September 30, 2022 and will continue to be due and payable in arrears on the last day of each calendar quarter thereafter. On June 5, 2025 the entire unpaid principal balance of the revolving loans under the 2022 ABL Facility, and all unpaid interest thereon, will be due and payable. The 2022 ABL Facility provides a letter of credit sub-facility for the issuance of letters of credit in an aggregate amount not to exceed \$7.5 million.

The 2022 ABL Facility requires CJWS to comply with the following financial covenants (i) maintain on a consolidated basis a ratio of total liabilities to tangible net worth of no greater than 1.5 to 1.0 at any time; (ii) reduce the amount of revolving advances outstanding under the 2022 ABL Facility to not more than 90% of the lesser of (a) the maximum revolving advance amount, or (b) the borrowing base, as of Tri Counties Bank's close of business on the last day of each fiscal quarter; and (iii) maintain net income before taxes of not less than \$1.00 as of each fiscal year end. As of December 31, 2022, CJWS had a ratio of total liabilities to tangible net worth of 0.23 to 1.0, no advances outstanding, and net income for fiscal year end 2022 was \$15 million.

The 2022 ABL Facility contains usual and customary events of default and remedies for credit facilities of a similar nature. The 2022 ABL Facility also places restrictions on CJWS with respect to additional indebtedness, liens, dividends and other distributions, investments, acquisitions, mergers, asset dispositions and other matters. CJWS's obligations under the 2022 ABL Facility are not guaranteed by Berry Corp. or Berry LLC and Berry Corp. and Berry LLC do not and are not required to provide any credit support for such obligations. CJWS was in compliance with all financial covenants under the 2022 ABL Facility as of December 31, 2022.

As of December 31, 2022, CJWS had no borrowings and \$2 million letters of credit outstanding with \$13 million of available borrowing capacity under the 2022 ABL Facility.

Senior Unsecured Notes Offering

In February 2018, we completed a private issuance of \$400 million in aggregate principal amount of 7.0% senior unsecured notes due February 2026, which resulted in net proceeds to us of approximately \$391 million after deducting expenses and the initial purchasers' discount.

The 2026 Notes are Berry LLC's senior unsecured obligations and rank equally in right of payment with all of our other senior indebtedness and senior to any of our subordinated indebtedness. The 2026 Notes are fully and unconditionally guaranteed on a senior unsecured basis by Berry Corp. and will also be guaranteed by certain of our future subsidiaries; C&J Management and C&J are not guarantors. The 2026 Notes and related guarantees are effectively subordinated to all of our secured indebtedness (including all borrowings and other obligations under the 2021 RBL Facility) to the extent of the value of the collateral securing such indebtedness, and structurally subordinated in right of payment to all existing and future indebtedness and other liabilities (including trade payables) of any future subsidiaries that do not guarantee the 2026 Notes, including the obligations of C&J Management and C&J under the 2022 ABL Facility.

Berry LLC may, at its option, redeem all or a portion of the 2026 Notes at any time. If we experience certain kinds of change of control, holders of the 2026 Notes may have the right to require us to repurchase their notes at 101% of the principal amount of the 2026 Notes, plus accrued and unpaid interest, if any.

The indenture governing the 2026 Notes contains restrictive covenants and customary events of default, including, among others, (a) non-payment; (b) non-compliance with covenants (in some cases, subject to grace periods); (c) payment default under, or acceleration events affecting, material indebtedness and (d) bankruptcy or insolvency events involving us or certain of our subsidiaries.

The 2026 Notes do not restrict us from making open market and other purchases of such notes.

Debt Repurchase Program

In February 2020, our Board of Directors adopted a program to spend up to \$75 million for the opportunistic repurchase of our 2026 Notes. The manner, timing and amount of any purchases will be determined based on our evaluation of market conditions, compliance with outstanding agreements and other factors, may be commenced or suspended at any time without notice and does not obligate Berry Corp. to purchase the 2026 Notes during any period or at all. We have not yet repurchased any notes under this program.

Hedges

We have protected a significant portion of our anticipated cash flows through our commodity hedging program, including swaps, puts and calls. We hedge crude oil and gas production to protect against oil and gas price decreases and we also hedge gas purchases to protect against price increases.

In addition, we also hedge to meet the hedging requirements of the 2021 RBL Facility. The 2021 RBL Facility requires us to maintain commodity hedges (other than three-way collars) on minimum notional volumes of (i) at least 75% of our reasonably projected production of crude oil from our PDP reserves, for 24 full calendar months after the effective date of the 2021 RBL Facility and after each May 1 and November 1 of each calendar year and (ii) at least 50% of our reasonably projected production of crude oil from our PDP reserves, for each full calendar month during the period from and including the 25th full calendar month following each such Minimum Hedging Requirement Date through and including the 36th full calendar month following each such Minimum Hedging Requirement Date; provided, that in the case of each of the above clauses (i) and (ii), the notional volumes hedged are deemed reduced by the notional volumes of any short puts or other similar derivatives having the effect of exposing us to commodity price risk below the “floor”.

In addition to minimum hedging requirements and other restrictions in respect of hedging described therein, the 2021 RBL Facility contains restrictions on our commodity hedging which prevent us from entering into hedging agreements (i) with a tenor exceeding 48 months or (ii) for notional volumes which (when aggregated with other hedges then in effect other than basis differential swaps on volumes already hedged) exceed, as of the date such hedging agreement is executed, 90% of our reasonably projected production of crude oil from our PDP reserves, for each month following the date such hedging agreement is entered into, provided that the volume limitations above do not apply to short puts or put options contracts that are not related to corresponding calls, collars, or swaps.

We have also entered into Utah gas transportation contracts to help reduce the price fluctuation exposure, however these do not qualify as hedges. Our generally low-decline production base, coupled with our stable operating cost environment, affords an ability to hedge a material amount of our future expected production. We expect our operations to generate sufficient cash flows at current commodity prices including our current hedging positions. For information regarding risks related to our hedging program, see “Item 1A. Risk Factors—Risks Related to Our Operations and Industry”.

As of January 31, 2023, we had the following crude oil production and gas purchases hedges.

	Q1 2023	Q2 2023	Q3 2023	Q4 2023	FY 2024	FY 2025	FY 2026
Brent - Crude Oil production							
Swaps							
Hedged volume (bbls)	1,385,278	1,387,750	1,211,717	1,196,000	3,392,048	—	—
Weighted-average price (\$/bbl)	\$ 77.15	\$ 77.01	\$ 76.26	\$ 76.18	\$ 76.12	\$ —	\$ —
Put Spreads							
Hedged volume (bbls)	540,000	546,000	552,000	552,000	1,281,000	—	—
Weighted-average price (\$/bbl)	\$50.00/ \$40.00	\$50.00/ \$40.00	\$50.00/ \$40.00	\$50.00/ \$40.00	\$50.00/ \$40.00	\$ —	\$ —
Producer Collars							
Hedged volume (bbls)	360,000	364,000	368,000	368,000	1,098,000	2,486,127	472,500
Weighted-average price (\$/bbl)	\$40.00/ \$106.00	\$40.00/ \$106.00	\$40.00/ \$106.00	\$40.00/ \$106.00	\$40.00/ \$105.00	\$58.53/ \$91.11	\$60.00/ \$82.21
Henry Hub - Natural Gas purchases							
Consumer Collars							
Hedged volume (mmbtu)	2,110,000	1,820,000	—	—	—	—	—
Weighted-average price (\$/mmbtu)	\$4.00/\$2.75	\$4.00/\$2.75	\$ —	\$ —	\$ —	\$ —	\$ —
NWPL - Natural Gas purchases							
Swaps							
Hedged volume (mmbtu)	1,800,000	3,640,000	3,680,000	3,680,000	7,320,000	6,080,000	—
Weighted-average price (\$/mmbtu)	\$ 6.40	\$ 5.34	\$ 5.34	\$ 5.34	\$ 4.27	\$ 4.27	\$ —
Gas Basis Differentials							
NWPL/HH - Natural Gas Purchases							
Hedged volume (mmbtu)	1,180,000	—	—	610,000	—	—	—
Weighted-average price (\$/mmbtu)	\$ 1.12	\$ —	\$ —	\$ 1.12	\$ —	\$ —	\$ —

The following table summarizes the historical results of our hedging activities.

	Year Ended December 31,	
	2022	2021
Crude Oil (per bbl):		
Realized sales price, before the effects of derivative settlements	\$ 91.98	\$ 66.57
Effects of derivative settlements	\$ (14.39)	\$ (16.45)
Realized sales price, after the effects of derivative settlements	\$ 77.59	\$ 50.12
Purchased Natural Gas (per mmbtu):		
Purchase price, before the effects of derivative settlements	\$ 7.86	\$ 5.64
Effects of derivative settlements	\$ (1.74)	\$ (2.16)
Purchase price, after the effects of derivative settlements	\$ 6.12	\$ 3.48

Cash Dividends

For 2022, the Company will have paid \$1.78 per share in cash dividends including both fixed and variable cash dividends. This includes the variable cash dividend approved by our Board of Directors in February 2023 of \$0.44 per share which was earned in the fourth quarter of 2022. In addition, in February 2023 our Board of Directors approved a fixed cash dividend of \$0.06 per share.

The following table represents the regular fixed cash dividends on our common stock and variable cash dividends approved by our Board of Directors.

	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Year-to-Date
Fixed Dividends	\$ 0.06	\$ 0.06	\$ 0.06	\$ 0.06	\$ 0.24
Variable Dividends ⁽¹⁾	0.13	0.56	0.41	0.44	1.54
Total	\$ 0.19	\$ 0.62	\$ 0.47	\$ 0.50	\$ 1.78

(1) Variable Dividends are declared the quarter following the period of results (the period used to determine the variable dividend based on the shareholder return model). The table notes total dividends earned in each quarter.

The Company anticipates that it will continue to pay quarterly cash dividends in the future. However, the payment and amount of future dividends remain within the discretion of the Board and will depend upon the Company's future earnings, financial condition, capital requirements and other factors.

Stock Repurchase Program

For the year ended December 31, 2022, we repurchased 5 million shares for approximately \$51 million. As of December 31, 2022, the Company had repurchased a total of 10,528,704 shares under the stock repurchase program for approximately \$104 million in aggregate, which is 14% of outstanding shares as of December 31, 2022. As previously disclosed, the Company implemented a shareholder return model in early 2022, for which the Company intends to allocate a portion of Adjusted Free Cash Flow to opportunistic share repurchases.

In April 2022, our Board of Directors approved an increase of \$102 million to the Company's stock repurchase authorization bringing the Company's remaining share repurchase authority to \$150 million. As of December 31, 2022, the Company's remaining total share repurchase authority is \$98 million, after the repurchases made in 2022. In February 2023, the Board of Directors approved an increase of \$102 million to the Company's stock repurchase authorization bringing the Company's remaining share authority to \$200 million.

The Board's authorization permits the Company to make purchases of its common stock from time to time in the open market and in privately negotiated transactions, subject to market conditions and other factors, up to the aggregate amount authorized by the Board. The Board's authorization has no expiration date.

Repurchases may be made from time to time in the open market, in privately negotiated transactions or by other means, as determined in the Company's sole discretion. The manner, timing and amount of any purchases will be determined based on our evaluation of market conditions, stock price, compliance with outstanding agreements and other factors, may be commenced or suspended at any time without notice and does not obligate the company to purchase shares during any period or at all. Any shares repurchased are reflected as treasury stock and any shares acquired will be available for general corporate purposes.

Capital Program

Refer to Part II, Item 1 and 2. — “Our Capital Program” for details.

Acquisitions and Divestitures

Piceance Divestiture (2022)

In January 2022, we completed the divestiture of all of our natural gas properties in Colorado, which were in the Piceance basin. The divestiture closed with a loss of approximately \$2 million. Our 2021 production from these properties was 1.2 mboe/d.

Antelope Creek Acquisition (2022)

In February 2022, we completed the acquisition of oil and gas producing assets in the Antelope Creek area of Utah for approximately \$18 million. These assets are adjacent to our existing Uinta assets and prior to our acquisition produced approximately 0.6 mboe/d.

Purchases of Various Oil and Gas Properties

During 2022, we also acquired various oil and gas properties, most of which consisted of unproved properties for approximately \$8 million in aggregate.

C&J Well Services Acquisition (2021)

On October 1, 2021, we acquired one of the largest well servicing and abandonment business in California, which operates as C&J Well Services, LLC. The purchase price was \$53 million, including closing adjustments mainly related to working capital, which we funded with cash on hand of \$51 million in 2021 and \$2 million in 2022. The CJWS transaction costs were approximately \$3 million. The acquired business activities are owned and operated by C&J Well Services, a wholly-owned subsidiary of Berry Corp. formed for the purposes of acquiring these businesses and establishing an independent well services and abandonment company.

Placerita Divestiture (2021)

In October 2021, we completed the sale of our Placerita Field property in the Ventura Basin in Los Angeles County, California for approximately \$14 million. We have recorded a gain on the sale of approximately \$2 million.

Statements of Cash Flows

The following is a comparative cash flow summary:

	Year Ended December 31,	
	2022	2021
	(in thousands)	
Net cash:		
Provided by operating activities	\$ 360,941	\$ 122,488
Used in investing activities	(164,552)	(168,787)
Used in financing activities	(165,422)	(18,975)
Net increase (decrease) in cash and cash equivalents	<u>\$ 30,967</u>	<u>\$ (65,274)</u>

Operating Activities

Cash provided by operating activities increased for the year ended December 31, 2022 by approximately \$238 million when compared to the year ended December 31, 2021. The most significant increases were sales of \$209 million (excluding CJWS), an increase in working capital of \$70 million, an increase of \$23 million related to net margin for CJWS, and a decrease in taxes, other than income taxes of \$7 million, partially offset by an increase of \$59 million in operating expenses, and an increase of \$12 million in general and administrative costs (excluding CJWS).

Investing Activities

The following provides a comparative summary of cash flow from investing activities:

	Year Ended December 31,	
	2022	2021
	(in thousands)	
Capital expenditures ⁽¹⁾		
Capital expenditures	(152,921)	(132,719)
Changes in capital expenditures accruals	14,286	482
Acquisitions, net of cash received	(25,917)	(50,568)
Acquisition of properties and equipment and other	—	(876)
Proceeds received from divestitures	—	14,025
Proceeds from sale of property and equipment and other	—	869
Net cash used in investing activities	<u>\$ (164,552)</u>	<u>\$ (168,787)</u>

(1) Based on actual cash payments rather than accrual.

Cash used in investing activities decreased \$4 million for the year ended December 31, 2022 when compared to the year ended December 31, 2021, primarily due to a decrease in cash used for acquisitions of \$25 million, partially offset by a decrease in proceeds from divestiture and sale of property and equipment and other proceeds received of \$15 million and an increase in cash used for capital expenditures and related accruals of \$6 million.

Financing Activities

Cash used in financing activities increased \$146 million for the year ended December 31, 2022 when compared to the year ended December 31, 2021. In 2022, the cash used was primarily for dividends paid of \$109 million, the purchase of treasury stock of \$51 million, and shares withheld for payment of taxes on equity awards and other of \$4 million. In 2021, the cash used was primarily for dividends paid of \$11 million, debt issuance costs related to the 2017 RBL Facility of \$4 million, the purchase of treasury stock for \$2 million, and shares withheld for payment of taxes on equity awards and other of approximately \$1 million.

Commitments, and Contingencies

In the normal course of business, we, or our subsidiaries, are the subject of, or party to, pending or threatened legal proceedings, contingencies and commitments involving a variety of matters that seek, or may seek, among other things, compensation for alleged personal injury, breach of contract, property damage or other losses, punitive damages, fines and penalties, remediation costs, or injunctive or declaratory relief.

We accrue for currently outstanding lawsuits, claims and proceedings when it is probable that a liability has been incurred and the liability can be reasonably estimated. We have not recorded any reserve balances at December 31, 2022 and December 31, 2021. We also evaluate the amount of reasonably possible losses that we could incur as a result of these matters. We believe that reasonably possible losses that we could incur in excess of accruals on our balance sheet would not be material to our consolidated financial position or results of operations.

We, or our subsidiaries, or both, have indemnified various parties against specific liabilities those parties might incur in the future in connection with transactions that they have entered into with us. As of December 31, 2022, we are not aware of material indemnity claims pending or threatened against us.

Securities Litigation Matter

On November, 20, 2020, Luis Torres, individually and on behalf of a putative class, filed a securities class action lawsuit (the “Torres Lawsuit”) in the United States District Court for the Northern District of Texas against Berry Corp. and certain of its current and former directors and officers (collectively, the “Defendants”). The complaint asserts violations of Sections 11 and 15 of the Securities Act of 1933, and Sections 10(b) and 20(a) of the Exchange Act, on behalf of a putative class of all persons who purchased or otherwise acquired (i) common stock pursuant and/or traceable to the Company’s 2018 IPO; or (ii) Berry Corp.’s securities between July 26, 2018 and November 3, 2020 (the “Class Period”). In particular, the complaint alleges that the Defendants made false and misleading statements during the Class Period and in the offering materials for the IPO, concerning the Company’s business, operational efficiency and stability, and compliance policies, that artificially inflated the Company’s stock price, resulting in injury to the purported class members when the value of Berry Corp.’s common stock declined following release of its financial results for the third quarter of 2020 on November 3, 2020.

On November 1, 2021, the court-appointed co-lead plaintiffs filed an amended complaint asserting claims on behalf of the same putative class under Sections 11 and 15 of the Securities Act of 1933 and Sections 10(b) and 20(a) of the Exchange Act, alleging, among other things, that the Company and the individual Defendants made false and misleading statements between July 26, 2018 and November 3, 2020 regarding the Company’s permits and permitting processes. The amended complaint does not quantify the alleged losses but seeks to recover all damages sustained by the putative class as a result of these alleged securities violations, as well as attorneys’ fees and costs. The Defendants filed a Motion to Dismiss on January 24, 2022 and on September 13, 2022, the Court issued an order denying that motion. The case is now in discovery.

We dispute these claims and intend to defend the matter vigorously. Given the uncertainty of litigation, the early stage of the case, and the legal standards that must be met for, among other things, class certification and success on the merits, we cannot reasonably estimate the possible loss or range of loss that may result from this action.

On October 20, 2022, a shareholder derivative lawsuit was filed in the United States District Court for the Northern District of Texas by putative stockholder George Assad, allegedly on behalf of the Company, that piggy-backs on the securities class action referenced above and which is currently pending before the same Court. The derivative complaint names certain current and former officers and directors as defendants, and generally alleges that they breached their fiduciary duties by causing or failing to prevent the securities violations alleged in the securities class action. The derivative complaint also alleges claims for unjust enrichment as against all defendants, and claims for contribution and indemnification under Sections 10(b) and 21D of the Exchange Act. On January 27, 2023, the court granted the parties' joint stipulated request to stay the derivative action pending resolution of the related securities class action. The Company and the individual defendants believe the claims in the shareholder derivative action are without merit and intend to defend vigorously against them, but there can be no assurances as to the outcome. At this time, we are unable to estimate the probability or the amount of liability, if any, related to this matter.

On January 20, 2023, a second shareholder derivative lawsuit was filed, this time in the United States District Court for the District of Delaware, by putative stockholder Molly Karp allegedly on behalf of the Company, again piggy-backing on the securities class action referenced above. This complaint, similar to the first derivative complaint, is brought against certain current and former officers and directors of the Company, asserting breach of fiduciary duty, aiding and abetting, and contribution claims based on the defendants allegedly having caused or failed to prevent the securities violations alleged in the securities class action. In addition, the complaint asserts a claim under Section 14(a) of the Exchange Act, alleging that Berry's 2022 Proxy Statement was false and misleading in that it suggested the Company's internal controls were sufficient and the board of directors was adequately overseeing material risks facing the Company when, according to the derivative plaintiff, that was not the case. The defendants believe the claims in the shareholder derivative action are without merit and intend to defend vigorously against them, but there can be no assurances as to the outcome. At this time, we are unable to estimate the probability or the amount of liability, if any, related to this matter.

Contractual Obligations

In the ordinary course of our business, we enter into certain firm commitments to secure transportation of our production and third-party natural gas to market as well as processing which require a minimum monthly charge regardless of whether the contracted capacity is used or not. At December 31, 2022, future net minimum payments for non-cancelable purchase obligations (excluding oil and natural gas and other mineral leases, utilities, taxes and insurance expense) were as follows:

	Payments Due				
	Total	Less Than 1 Year	1-3 Years	3-5 Years	Thereafter
(in thousands)					
Off-Balance Sheet arrangements:					
Processing and transportation contracts ⁽¹⁾	\$ 88,816	\$ 11,343	\$ 17,787	\$ 16,165	\$ 43,521
Drilling commitment ⁽²⁾	17,100	8,400	8,700	—	—
Total	<u>\$ 105,916</u>	<u>\$ 19,743</u>	<u>\$ 26,487</u>	<u>\$ 16,165</u>	<u>\$ 43,521</u>

- (1) Amounts include payments which will become due under long-term agreements to purchase goods and services used in the normal course of business to secure pipeline transportation of natural gas to market and between markets, as well as gathering and processing of natural gas.
- (2) Amounts include a drilling commitment in California, for which we are required to drill 57 wells with an estimated cost and minimum commitment of \$17.1 million by June 2024. In November 2022, the drilling commitment was revised to require 28 of those wells to be drilled by October 2023, with a minimum commitment of \$8.4 million.

Balance Sheet Analysis

The changes in our balance sheet from December 31, 2021 to December 31, 2022 are discussed below.

	December 31, 2022	December 31, 2021
	(in thousands)	
Cash and cash equivalents	\$ 46,250	\$ 15,283
Accounts receivable, net	\$ 101,713	\$ 86,269
Derivative instruments assets - current and long-term	\$ 36,443	\$ 1,070
Other current assets	\$ 33,725	\$ 45,946
Property, plant & equipment, net	\$ 1,359,813	\$ 1,301,349
Deferred income taxes asset - long-term	\$ 42,844	\$ —
Other non-current assets	\$ 10,242	\$ 6,562
Accounts payable and accrued expenses	\$ 203,101	\$ 157,524
Derivative instruments liabilities - current and long-term	\$ 44,748	\$ 48,202
Long-term debt	\$ 395,735	\$ 394,566
Deferred income taxes liability - long-term	\$ —	\$ 1,831
Asset retirement obligation - long-term	\$ 158,491	\$ 143,926
Other non-current liabilities	\$ 28,470	\$ 17,782
Stockholders' equity	\$ 800,485	\$ 692,648

See “—Liquidity and Capital Resources” for discussions about the changes in cash and cash equivalents.

The \$15 million increase in accounts receivable was driven by higher selling prices in the E&P segment and higher activity in CJWS.

The net derivative liability changed from \$47 million in 2021 to a net liability of \$8 million in 2022. Changes to mark-to-market derivative values at the end of each period result from differences in the forward curve prices relative to the contract fixed prices, changes in positions held and settlements received and paid throughout the periods.

The \$12 million decrease in other current assets was primarily due to a \$4 million decrease in prepaid permitting fees, a \$8 million decrease in acquisition and divestiture receivables, a \$3 million return of collateral for commitments, all partially offset by an increase in prepaid insurance of \$2 million and an increase in oil inventory of \$1 million.

The \$58 million increase in property, plant and equipment was largely the result of the \$153 million in capital investments and \$24 million of additional assets related to asset retirement obligation and \$26 million in acquisition activity, offset by depreciation expense of \$146 million.

The \$43 million increase in long-term deferred income tax asset was due to the fact that we have determined that there is sufficient positive evidence to realize our deferred assets in future years and have reversed the previously recorded valuation allowance.

The \$4 million increase in other non-current assets was primarily due to the adoption of new lease accounting rules in the first quarter for \$6 million, net of accumulated amortization, partially offset by amortization of debt issuance costs of \$1 million and a \$1 million adjustment to the provisional amount assigned to intangible assets for CJWS acquisition.

The \$46 million increase in accounts payable and accrued expenses included \$45 million of increased accruals and spending for capital and operating costs due to the increased level of these activities at the end of each year, a \$13 million increase in royalties accrued due to increased sales prices, partially offset by a decrease of approximately \$8 million in the current portion of the greenhouse gas obligation which was reclassified to long-term liabilities based on the expected due date and a \$5 million decrease in dividends payable due to declaration date timing.

The \$2 million decrease in long-term deferred income taxes liability was due to the income tax benefit during the year.

The \$15 million increase in the long-term portion of the asset retirement obligation from \$144 million at December 31, 2021 to \$158 million at December 31, 2022 was due to revised cost estimates of \$21 million, \$11 million of accretion, and \$3 million of liabilities incurred. Revised cost estimates reflect the impact of inflation and idle well regulation compliance. These increases were partially offset by \$1 million of reduction due to property sales and \$20 million of liabilities settled during the period.

The \$11 million increase in other non-current liabilities was driven by additional non-current greenhouse gas liabilities compared to prior year, including the \$8 million reclassification from current liabilities.

The \$108 million increase in stockholders' equity was due to net income of \$250 million and \$18 million of stock-based equity awards, net of taxes. These increases were partially offset by \$105 million of common stock dividends declared, \$51 million of treasury stock purchased, and \$4 million of shares withheld for payment of taxes on equity awards.

Non-GAAP Financial Measures

Adjusted EBITDA, Adjusted Free Cash Flow, Adjusted Net Income (Loss) and Adjusted General and Administrative Expenses

Adjusted Net Income (Loss) is not a measure of net income (loss), Adjusted Free Cash Flow is not a measure of cash flow, and Adjusted EBITDA is not a measure of either net income (loss) or cash flow, in all cases, as determined by GAAP. Adjusted EBITDA, Adjusted Free Cash Flow, Adjusted Net Income (Loss) and Adjusted General and Administrative Expenses are supplemental non-GAAP financial measures used by management and external users of our financial statements, such as industry analysts, investors, lenders and rating agencies.

We define Adjusted EBITDA as earnings before interest expense; income taxes; depreciation, depletion, and amortization; derivative gains or losses net of cash received or paid for scheduled derivative settlements; impairments; stock compensation expense; and unusual and infrequent items. Our management believes Adjusted EBITDA provides useful information in assessing our financial condition, results of operations and cash flows and is widely used by the industry and the investment community. The measure also allows our management to more effectively evaluate our operating performance and compare the results between periods without regard to our financing methods or capital structure. We also use Adjusted EBITDA in planning our capital allocation to sustain production levels and to determine our strategic hedging needs aside from the hedging requirements of the 2021 RBL Facility.

We define Adjusted Net Income (Loss) as net income (loss) adjusted for derivative gains or losses net of cash received or paid for scheduled derivative settlements, unusual and infrequent items, and the income tax expense or benefit of these adjustments using our statutory tax rate. Adjusted Net Income (Loss) excludes the impact of unusual and infrequent items affecting earnings that vary widely and unpredictably, including non-cash items such as derivative gains and losses. This measure is used by management when comparing results period over period. We believe Adjusted Net Income (Loss) is useful to investors because it reflects how management evaluates the Company's ongoing financial and operating performance from period-to-period after removing certain transactions

and activities that affect comparability of the metrics and are not reflective of the Company's core operations. We believe this also makes it easier for investors to compare our period-to-period results with our peers.

We define Adjusted Free Cash Flow, which is a non-GAAP financial measure, as cash flow from operations less regular fixed dividends and maintenance capital. Maintenance capital represents the capital expenditures needed to maintain the same volume of annual oil and gas production and is defined as capital expenditures, excluding, when applicable, E&P capital expenditures that are related to strategic business expansion, such as acquisitions and divestitures of oil and gas properties and any exploration and development activities to increase production beyond the prior year's annual production volumes and capital expenditures in our Well Servicing and Abandonment and Corporate segments that are related to ancillary sustainability initiatives or other expenditures that are discretionary and unrelated to maintenance of our core business. Management believes Adjusted Free Cash Flow may be useful in an investor analysis of our ability to generate cash from operating activities from our existing oil and gas asset base after maintaining the existing production volumes of that asset base to return capital to stockholders, fund further business expansion through acquisitions or investments in our existing asset base to increase production volumes and pay other non-discretionary expenses. Management also uses Adjusted Free Cash Flow as the primary metric to determine the quarterly variable dividend. Under our shareholder return model, in 2022, we expected to allocate 60% of Adjusted Free Cash Flow to direct shareholder returns, predominantly in the form of cash variable dividends, as well as opportunistic debt repurchases. We expected to use the remaining 40% for opportunistic growth, including from our extensive inventory of drilling opportunities, advancing our short- and long-term sustainability initiatives, share repurchases, capital retention and funding mandatory debt service requirements or other non-discretionary expenditures. In early 2023, we updated our shareholder return model, including to double our quarterly fixed dividend to \$0.12 per share. Any dividends actually paid will be determined by our Board of Directors in light of existing conditions, including our earnings, financial condition, restrictions in financing agreements, business conditions and other factors. We also modified the allocations of Adjusted Free Cash Flow. Our goal is to continue maximizing shareholder value through overall returns. The allocation beginning in 2023 will be (a) 80% primarily in the form of debt or share repurchases; and (b) 20% in the form of variable cash dividends.

Adjusted Free Cash Flow does not represent the total increase or decrease in our cash balance, and it should not be inferred that the entire amount of Adjusted Free Cash Flow is available for variable dividends, debt or share repurchase or other discretionary expenditures, since we have mandatory debt service requirements and other non-discretionary expenditures that are not deducted from this measure.

We define Adjusted General and Administrative Expenses as general and administrative expenses adjusted for non-cash stock compensation expense and unusual and infrequent costs. Management believes Adjusted General and Administrative Expenses is useful because it allows us to more effectively compare our performance from period to period. We believe Adjusted General and Administrative Expenses is useful to investors because it reflects how management evaluates the Company's ongoing general and administrative expenses from period-to-period after removing non-cash stock compensation, as well as unusual or infrequent costs that affect comparability of the metrics and are not reflective of the Company's administrative costs. We believe this also makes it easier for investors to compare our period-to-period results with our peers.

While Adjusted EBITDA, Adjusted Free Cash Flow, Adjusted Net Income (Loss) and Adjusted General and Administrative Expenses are non-GAAP measures, the amounts included in the calculation of Adjusted EBITDA, Adjusted Free Cash Flow, Adjusted Net Income (Loss) and Adjusted General and Administrative Expenses were computed in accordance with GAAP. These measures are provided in addition to, and not as an alternative for, income and liquidity measures calculated in accordance with GAAP and should not be considered as an alternative to, or more meaningful than income and liquidity measures calculated in accordance with GAAP. Certain items excluded from Adjusted EBITDA are significant components in understanding and assessing our financial performance, such as our cost of capital and tax structure, as well as the historic cost of depreciable and depletable assets. Our computations of Adjusted EBITDA, Adjusted Free Cash Flow, Adjusted Net Income (Loss) and Adjusted General and Administrative Expenses may not be comparable to other similarly titled measures used by other companies. Adjusted EBITDA, Adjusted Free Cash Flow, Adjusted Net Income (Loss) and Adjusted General and Administrative Expenses should be read in conjunction with the information contained in our financial statements prepared in accordance with GAAP.

The following tables present reconciliations of the non-GAAP financial measure Adjusted EBITDA to the GAAP financial measures of net income (loss) and net cash provided (used) by operating activities, as applicable, for each of the periods indicated.

	Year Ended December 31,	
	2022	2021
(in thousands)		
Adjusted EBITDA reconciliation to net income (loss):		
Net income (loss)	\$ 250,168	\$ (15,542)
Add (Subtract):		
Interest expense	30,917	31,964
Income tax (benefit) expense	(42,436)	1,413
Depreciation, depletion, and amortization	156,847	144,495
Losses on derivatives	48,314	117,822
Net cash paid for scheduled derivative settlements	(88,023)	(87,625)
Other operating expenses	3,722	3,101
Stock compensation expense	16,973	13,783
Non-recurring costs ⁽¹⁾	3,466	2,735
Adjusted EBITDA	\$ 379,948	\$ 212,146

	Year Ended December 31,	
	2022	2021
(in thousands)		
Adjusted EBITDA reconciliation to net cash provided by operating activities:		
Net cash provided by operating activities	\$ 360,941	\$ 122,488
Add (Subtract):		
Cash interest payments	29,792	29,211
Cash income tax payments	3,633	699
Non-recurring costs ⁽¹⁾	3,466	2,735
Changes in operating assets and liabilities - working capital ⁽²⁾	(21,446)	53,425
Other operating expenses, net (noncash portion) ⁽³⁾	3,562	3,588
Adjusted EBITDA	\$ 379,948	\$ 212,146

(1) Non-recurring costs include legal and professional service expenses related to acquisition and divestiture activity for the fourth quarter of 2021 and the first quarter of 2022 and the executive transition costs in the fourth quarter of 2022.

(2) Changes in other assets and liabilities consists of working capital and various immaterial items.

(3) Represents other operating expenses (income) from the income statement, net of the non-cash portion in the cash flow statement.

The following table presents a reconciliation of the non-GAAP financial measure Adjusted Free Cash Flow to the GAAP financial measure of operating cash flow in the period indicated. We use Adjusted Free Cash Flow for our shareholder return model, which began in 2022.

	<u>Year Ended December 31, 2022</u>	
	(in thousands)	
Adjusted Free Cash Flow:		
Net cash provided by operating activities ⁽¹⁾	\$	360,941
Subtract:		
Maintenance capital ⁽²⁾		(141,930)
Fixed dividends ⁽³⁾		(19,245)
Adjusted Free Cash Flow⁽⁴⁾	\$	199,766

(1) On a consolidated basis.

(2) Maintenance capital is the capital required to keep annual production flat, and is calculated as follows:

	<u>Year Ended December 31, 2022</u>	
	(in thousands)	
Consolidated capital expenditures ^(a)	\$	(152,921)
Excluded items ^(b)		10,991
Maintenance capital	\$	(141,930)

(a) Capital expenditures include capitalized overhead and interest and excludes acquisitions and asset retirement spending.

(b) Comprised of the capital expenditures in our E&P segment that are related to strategic business expansion, such as acquisitions and divestitures of oil and gas properties and any exploration and development activities to increase production beyond the prior year's annual production volumes and capital expenditures in our well servicing and abandonment segment and corporate expenditures that are related to ancillary sustainability initiatives or other expenditures that are discretionary and unrelated to maintenance of our core business. For the year ended December 31, 2022, we excluded approximately \$8 million of capital expenditures in our well servicing and abandonment segment. In this period, we also excluded approximately \$3 million of corporate capital expenditures, which we determined was not related to the maintenance of our baseline production.

(3) Represents fixed dividends declared which are included in the "Dividends declared on common stock" line in the consolidated statement of stockholders' equity.

(4) Adjusted Free Cash Flow was not a metric utilized by the Company prior to 2022.

The following table presents a reconciliation of the non-GAAP financial measure Adjusted Net Income (Loss) to the GAAP financial measure of net income (loss) and Adjusted Net Income (Loss) per share — diluted to net income per share — diluted.

	Year Ended December 31,			
	2022		2021	
	(in thousands)	per share - diluted	(in thousands)	per share - diluted
Adjusted Net Income (Loss) reconciliation to net income (loss):				
Net income (loss)	\$ 250,168	\$ 3.03	\$ (15,542)	\$ (0.19)
Add (Subtract):				
Losses on derivatives	48,314	0.59	117,822	1.41
Net cash paid for scheduled derivative settlements	(88,023)	(1.07)	(87,625)	(1.05)
Other operating expenses	3,722	0.04	3,101	0.05
Non-recurring costs ⁽¹⁾	3,466	0.04	2,735	0.03
Total additions (subtractions), net	(32,521)	(0.40)	36,033	0.44
Income tax benefit (expense) of adjustments ⁽²⁾	8,816	0.11	(9,769)	(0.12)
Adjusted Net Income (Loss)	\$ 226,463	\$ 2.74	\$ 10,722	\$ 0.13
Basic EPS on Adjusted Net Income	\$ 2.88		\$ 0.13	
Diluted EPS on Adjusted Net Income	\$ 2.74		\$ 0.13	
Weighted average shares outstanding - basic	78,517		80,209	
Weighted average shares outstanding - diluted	82,586		83,496	

(1) Non-recurring costs include legal and professional service expenses related to acquisition and divestiture activity for the fourth quarter of 2021 and the first quarter of 2022 and the executive transition costs in the fourth quarter of 2022.

(2) The federal and state statutory rate was utilized in both 2022 and 2021. We updated the disclosure for 2021 to reflect the statutory rate, instead of the effective tax rate previously utilized.

The following table presents a reconciliation of the non-GAAP financial measure Adjusted General and Administrative Expenses to the GAAP financial measure of general and administrative expenses for each of the periods indicated.

	Year Ended December 31,	
	2022	2021
(in thousands)		
Adjusted General and Administrative Expense reconciliation to general and administrative expenses:		
	\$/boe	\$/boe
General and administrative expenses	\$ 96,439	\$ 73,106
Subtract:		
Non-cash stock compensation expense (G&A portion)	(16,498)	(13,356)
Non-recurring costs ⁽¹⁾	(3,466)	(2,735)
Adjusted general and administrative expenses	\$ 76,475	\$ 57,015
E&P segment, and corporate	\$ 63,500	\$ 53,822
Well servicing and abandonment segment	\$ 12,975	\$ 3,193

(1) Non-recurring costs include legal and professional service expenses related to acquisition and divestiture activity for the fourth quarter of 2021 and the first quarter of 2022 and the executive transition costs in the fourth quarter of 2022.

Critical Accounting Policies and Estimates

The process of preparing financial statements in accordance with generally accepted accounting principles requires management to select appropriate accounting policies and to make informed estimates and judgments regarding certain items and transactions. Changes in facts and circumstances or discovery of new information may result in revised estimates and judgments, and actual results may differ from these estimates upon settlement. We consider the following to be our most critical accounting policies and estimates that involve management's judgment and that could result in a material impact on the financial statements due to the levels of subjectivity and judgment.

Oil and Natural Gas Properties

Proved Properties

We account for oil and natural gas properties in accordance with the successful efforts method. Under this method, all acquisition costs of proved properties are capitalized and amortized on a unit-of-production basis over the remaining life of the proved reserves. All development costs of proved properties are capitalized and amortized on a unit-of-production basis over the remaining life of the proved developed reserves. Costs of retired, sold or abandoned properties that constitute a part of an amortization base are charged or credited, net of proceeds, to accumulated depreciation, depletion and amortization unless doing so significantly affects the unit-of-production amortization rate, in which case a gain or loss is recognized in the current period. Gains or losses from the disposal of other properties are recognized in the current period. For assets acquired, we base the capitalized cost on fair value at the acquisition date. We expense expenditures for maintenance and repairs necessary to maintain properties in operating condition, as well as annual lease rentals, as they are incurred. Estimated dismantlement and abandonment costs are capitalized at their estimated net present value and amortized over the remaining lives of the related assets. Interest is capitalized only during the periods in which these assets are brought to their intended use. We only capitalize the interest on borrowed funds related to our share of costs associated with qualifying capital expenditures.

We evaluate the impairment of our proved oil and natural gas properties generally on a field by-field basis or at the lowest level for which cash flows are identifiable, whenever events or changes in circumstance indicate that the carrying value may not be recoverable. We reduce the carrying values of proved properties to fair value when the

expected undiscounted future cash flows are less than net book value. We measure the fair values of proved properties using valuation techniques consistent with the income approach, converting future cash flows to a single discounted amount. Significant inputs used to determine the fair values of proved properties include estimates of: (i) reserves; (ii) future operating and development costs; (iii) future commodity prices; and (iv) a risk-adjusted discount rate. These inputs require significant judgments and estimates by our management at the time of the valuation. The most significant financial statement effect from a change in our oil and gas reserves or impairment of its proved properties would be to the DD&A rate. For example, a 5% increase or decrease in the amount of oil and gas reserves would change the DD&A rate by approximately \$0.70 per mmbob, which would increase or decrease pre-tax income by approximately \$7 million annually at current production rates. In addition, the underlying commodity prices are embedded in our estimated cash flows and are the product of a process that begins with the relevant forward curve pricing, adjusted for estimated location and quality differentials, as well as other factors our management believes will impact realizable prices. The fair value was estimated using inputs characteristic of a Level 3 fair value measurement.

Unproved Properties

A portion of the carrying value of our oil and gas properties was attributable to unproved properties. At December 31, 2022 and 2021, the net capitalized costs attributable to unproved properties was approximately \$248 million for both periods. The unproved amounts were not subject to depreciation, depletion and amortization until they were classified as proved properties and amortized on a unit-of-production basis. We evaluate the impairment of our unproved oil and gas properties whenever events or changes in circumstances indicate the carrying value may not be recoverable. If the exploration and development work were to be unsuccessful, or management decided not to pursue development of these properties as a result of lower commodity prices, higher development and operating costs, contractual conditions or other factors, the capitalized costs of such properties would be expensed. The timing of any write-downs of unproved properties, if warranted, depends upon management's plans, the nature, timing and extent of future exploration and development activities and their results. We believe our current plans and exploration and development efforts will allow us to realize the carrying value of our unproved property balance at December 31, 2022.

Acquisition Purchase Price Allocations

We account for acquisitions of businesses using the acquisition method of accounting, which requires the allocation of the purchase price consideration based on the fair values of the assets and liabilities acquired. We estimate the fair values of the assets and liabilities acquired using accepted valuation methods, and, in many cases, such estimates are based on our judgments as to the future operating cash flows expected to be generated from the acquired assets throughout their estimated useful lives. Following the October 1, 2021 acquisition of CJWS, we accounted for the various assets and liabilities acquired and issued as consideration based on our estimates of their fair values. Our estimates and judgments of the fair value of acquired businesses could prove to be inexact, and the use of inaccurate fair value estimates could result in the improper allocation of the acquisition purchase price consideration to acquired assets and liabilities, which could result in asset impairments, the recording of previously unrecorded liabilities, and other financial statement adjustments. The difficulty in estimating the fair values of acquired assets and liabilities is increased during periods of economic uncertainty.

Asset Retirement Obligation

We recognize the fair value of asset retirement obligations ("AROs") in the period in which a determination is made that a legal obligation exists to dismantle an asset and remediate the property at the end of its useful life and the cost of the obligation can be reasonably estimated.

The liability amounts are based on future retirement cost estimates and incorporate many assumptions such as time to abandonment, technological changes, future inflation rates and the risk-adjusted discount rate. When the liability is initially recorded, we capitalize the cost by increasing the related property, plant and equipment ("PP&E") balances. If the estimated future cost of the AROs changes, we record an adjustment to both the ARO and

PP&E. Over time, the liability is increased, and expense is recognized through accretion, and the capitalized cost is depreciated over the useful life of the asset.

Fair Value Measurements

We have categorized our assets and liabilities that are measured at fair value in a three-level fair value hierarchy, based on the inputs to the valuation techniques: Level 1—using quoted prices in active markets for the assets or liabilities; Level 2—using observable inputs other than quoted prices for the assets or liabilities; and Level 3—using unobservable inputs. Transfers between levels, if any, are recognized at the end of each reporting period. We primarily apply the market approach for recurring fair value measurement, maximize our use of observable inputs and minimize use of unobservable inputs. We generally use an income approach to measure fair value when observable inputs are unavailable. This approach utilizes management’s judgments regarding expectations of projected cash flows and discounts those cash flows using a risk-adjusted discount rate.

We determine the fair value of our oil and gas sales and natural gas purchase derivatives using valuation techniques which utilize market quotes and pricing analysis. Inputs include publicly available prices and forward price curves generated from a compilation of data gathered from third parties. We classify these measurements as Level 2.

Income Taxes

We account for income taxes using the asset and liability approach for financial accounting and reporting. The amount of income taxes recorded requires interpretations of complex rules and regulations of federal and state taxing authorities. We have recognized deferred tax assets and liabilities for temporary differences, operating losses and tax carryforwards. We evaluate the probability of realizing the future benefits of our deferred tax assets and provide a valuation allowance for the portion of any deferred tax assets where the likelihood of realizing an income tax benefit in the future does not meet the more likely than not criteria for recognition.

We account for uncertainty in income taxes by recognizing the financial statement benefit of a tax position only after determining that the relevant tax authority would more likely than not sustain the position following an audit. For tax positions meeting the more likely than not threshold, the amount recognized in the financial statements is the benefit that has a greater than 50% likelihood of being realized upon ultimate settlement with the relevant tax authority. See Note 8 in the Notes to Consolidated Financial Statements in Part II—Item 8. Financial Statements and Supplementary Data of this report for a discussion of new accounting matters.

Stock-based Compensation

We have issued restricted stock units (“RSUs”) that vest over time and performance-based restricted stock units (“PSUs”) that include (i) awards with a market objective measured against both absolute total stockholder return (“Absolute TSR”) and a relative total stockholder return (“Relative TSR”) (the “TSR PSUs”) over the performance period and (ii) awards based on the Company’s average cash returned on invested capital (“CROIC PSUs” and “ROIC PSUs”) over the performance period. CROIC PSUs are awarded to certain Berry employees, while ROIC PSUs are awarded to certain CJWS employees. The fair value of the stock-based awards is determined at the date of grant and is not remeasured. The fair value of the RSUs, CROIC PSUs and ROIC PSUs was determined using the grant date stock price. The fair value of the TSR PSUs was determined using a Monte Carlo simulation analysis to estimate the total shareholder return ranking of the Company, including a comparison against the peer group over the performance periods. Estimates used in the Monte Carlo valuation model are considered highly complex and subjective. Compensation expense, net of actual forfeitures, for the RSUs and PSUs is recognized on a straight-line basis over the requisite service periods, which is over the awards’ respective vesting or performance periods which range from one to three years.

Significant Accounting and Disclosure Changes

See Note 1 in the Notes to Consolidated Financial Statements in Part II—Item 8. Financial Statements and Supplementary Data of this report for a discussion of new accounting matters.

Inflation

The U.S. inflation rate has been steadily increasing since 2021 and throughout much of 2022. The Company, similar to other companies in our industry, has experienced inflationary pressures on our costs - namely inflationary pressures have resulted in increases to the costs of our goods, services and personnel, which in turn, have caused our capital expenditures and operating costs to rise. Such inflationary pressures have resulted from supply chain disruptions caused by the COVID pandemic, increased demand, labor shortages and other factors, including the conflict between Russia and the Ukraine which began in late February 2022. In late 2022, inflation rates have begun to stabilize and even decrease from the levels experienced earlier in the year. We are unable to accurately predict if such inflationary pressures and contributing factors will continue into 2023.

Such inflationary pressures on our operating costs have, in turn, impacted our cash flows and results of operations. While we are not able to accurately measure with precision the impact of inflation without unreasonable efforts, we have noted an overall increase in costs from our plans throughout 2022, which is due, in part, to inflation. For example, the Company's 2022 drilling costs per well, excluding our well servicing and abandonment segment, were approximately 13% higher than the prior year, including an approximately 25% increase in capital costs for our Utah drilling program in 2022 compared to our initial plans. Key components driving these cost increases compared to the prior year were steel costs (approximately 50% increase) and service costs (approximately 5% to 10% increase). We were able to mitigate a portion of the steel cost inflation by purchasing a significant portion of the steel used in 2022 prior to the most significant inflation impacts. However, our ability to mitigate the effects of inflation vary from project to project and depend on the timing of necessary capital expenditures. In addition, our E&P operating costs excluding fuel were approximately 23% higher in 2022 than 2021, due to a combination of inflation and increased activity of certain costs. Our fuel costs were approximately 39% higher in 2022 than in 2021 due to the significant increase in natural gas prices. We were able to mitigate a significant portion of this increase through our hedging program. However, our ability to mitigate the effects of inflation on fuel prices may vary depending on market volatility and the terms of our hedge agreements.

CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS

The information included or incorporated by reference in this report includes forward-looking statements that involve risks and uncertainties that could materially affect our expected results of operations, liquidity, cash flows and business prospects. Such statements specifically include our expectations as to our future financial position, liquidity, cash flows, results of operations and business strategy, potential acquisition opportunities, other plans and objectives for operations, capital for sustained production levels, expected production and operating costs, reserves, hedging activities, capital expenditures, return of capital, improvement of recovery factors and other guidance. Actual results may differ from anticipated results, sometimes materially, and reported results should not be considered an indication of future performance. You can typically identify forward-looking statements by words such as aim, anticipate, achievable, believe, budget, continue, could, effort, estimate, expect, forecast, goal, guidance, intend, likely, may, might, objective, outlook, plan, potential, predict, project, seek, should, target, will or would and other similar words that reflect the prospective nature of events or outcomes. For any such forward-looking statement that includes a statement of the assumptions or bases underlying such forward-looking statement, we caution that, while we believe such assumptions or bases to be reasonable and make them in good faith, assumed facts or bases almost always vary from actual results, sometimes materially. Material risks that may affect us are discussed above in “Item 1A. Risk Factors” in this prospectus, in any applicable prospectus supplement and in the documents incorporated by reference.

Factors (but not necessarily all the factors) that could cause results to differ include among others:

- the regulatory environment, including availability or timing of, and conditions imposed on, obtaining and/or maintaining permits and approvals, including those necessary for drilling and/or development projects;
- the impact of current, pending and/or future laws and regulations, and of legislative and regulatory changes and other government activities, including those related to permitting, drilling, completion, well stimulation, operation, maintenance or abandonment of wells or facilities, managing energy, water, land, greenhouse gases or other emissions, protection of health, safety and the environment, or transportation, marketing and sale of our products;
- inflation levels, particularly the recent rise to historically high levels, and government efforts to reduce inflation, including increased interest rates;
- the length, scope and severity of the ongoing COVID-19 pandemic or the emergence of a new pandemic, including the effects of related public health concerns and the impact of actions taken by governmental authorities and other third parties in response to the pandemic and its impact on commodity prices, supply and demand considerations, global supply chain disruptions and labor constraints;
- global economic trends, geopolitical risks and general economic and industry conditions, such as the economic impact from the COVID-19 pandemic, including the global supply chain disruptions and the government interventions into the financial markets and economy, among other factors;
- those resulting from the COVID-19 pandemic and from the actions of foreign producers, importantly including OPEC+ and change in OPEC+'s production levels;
- volatility of oil, natural gas and NGL prices, including as a result of political instability, armed-conflict or economic sanctions;
- the California and global energy future, including the factors and trends that are expected to shape it, such as concerns about climate change and other air quality issues, the transition to a low-emission economy and the expected role of different energy sources;
- supply of and demand for oil, natural gas and NGLs, including due to the actions of foreign producers, importantly including OPEC+ and change in OPEC+'s production levels;
- disruptions to, capacity constraints in, or other limitations on the pipeline systems that deliver our oil and natural gas and other processing and transportation considerations;

- inability to generate sufficient cash flow from operations or to obtain adequate financing to fund capital expenditures, meet our working capital requirements or fund planned investments;
- price fluctuations and availability of natural gas and electricity and the cost of steam;
- our ability to use derivative instruments to manage commodity price risk;
- our ability to meet our planned drilling schedule, including due to our ability to obtain permits on a timely basis or at all, and to successfully drill wells that produce oil and natural gas in commercially viable quantities;
- concerns about climate change and other air quality issues;
- uncertainties associated with estimating proved reserves and related future cash flows;
- our ability to replace our reserves through exploration and development activities;
- drilling and production results, lower-than-expected production, reserves or resources from development projects or higher-than-expected decline rates;
- our ability to obtain timely and available drilling and completion equipment and crew availability and access to necessary resources for drilling, completing and operating wells;
- changes in tax laws;
- effects of competition;
- uncertainties and liabilities associated with acquired and divested assets;
- our ability to make acquisitions and successfully integrate any acquired businesses;
- market fluctuations in electricity prices and the cost of steam;
- asset impairments from commodity price declines;
- large or multiple customer defaults on contractual obligations, including defaults resulting from actual or potential insolvencies;
- geographical concentration of our operations;
- the creditworthiness and performance of our counterparties with respect to our hedges;
- impact of derivatives legislation affecting our ability to hedge;
- failure of risk management and ineffectiveness of internal controls;
- catastrophic events, including wildfires, earthquakes and pandemics;
- environmental risks and liabilities under federal, state, tribal and local laws and regulations (including remedial actions);
- potential liability resulting from pending or future litigation;
- our ability to recruit and/or retain key members of our senior management and key technical employees;
- information technology failures or cyberattacks; and
- governmental actions and political conditions, as well as the actions by other third parties that are beyond our control.

Except as required by law, we undertake no responsibility to publicly release the result of any revision of our forward-looking statements after the date they are made.

All forward-looking statements, expressed or implied, included in this report are expressly qualified in their entirety by this cautionary statement. This cautionary statement should also be considered in connection with any subsequent written or oral forward-looking statements that we or persons acting on our behalf may issue.

Item 7A. Quantitative and Qualitative Disclosures About Market Risk

Our primary market risks are attributable to fluctuations in commodity prices and interest rates, which can affect our business, financial condition, operating results and cash flows. The following should be read in conjunction with the financial statements and related notes included elsewhere in this report. The Company continually monitors its market risk exposure, including the impact and developments related to the armed conflict in Ukraine, increase in interest rate and inflation trend, which introduced significant volatility and uncertainties in the financial markets during 2022.

Price Risk

Our most significant market risk relates to prices for oil, natural gas, and NGLs. Management expects energy prices to remain unpredictable and potentially volatile. As energy prices decline or rise significantly, revenues, certain costs such as fuel gas, and cash flows are likewise affected. Additional non-cash impairment charges for our oil and gas properties may be required if commodity prices experience significant decline.

We have historically hedged a large portion of our expected crude oil and our natural gas production, as well as our natural gas purchase requirements to reduce exposure to fluctuations in commodity prices. We use derivatives such as swaps, calls, puts and collars to hedge. We do not enter into derivative contracts for speculative trading purposes and we have not accounted for our derivatives as cash-flow or fair-value hedges. We continuously consider the level of our oil production and gas purchases that is appropriate to hedge based on a variety of factors, including, among other things, current and future expected commodity prices, our expected capital and operating costs, our overall risk profile, including leverage, size and scale, as well as any requirements for, or restrictions on, levels of hedging contained in any credit facility or other debt instrument applicable at the time.

We determine the fair value of our oil and gas sales and natural gas purchase derivatives using valuation techniques which utilize market quotes and pricing analysis. Inputs include publicly available prices and forward price curves generated from a compilation of data gathered from third parties. We validate data provided by third parties by understanding the valuation inputs used, obtaining market values from other pricing sources, analyzing pricing data in certain situations and confirming that those instruments trade in active markets. At December 31, 2022, the fair value of our hedge positions was a net liability of approximately \$8 million. A 10% increase in the oil and natural gas index prices above the December 31, 2022 prices would result in a net liability of approximately \$126 million; conversely, a 10% decrease in the oil and natural gas index prices below the December 31, 2022 prices would result in a net asset of approximately \$17 million. For additional information about derivative activity, see Note 4, Derivatives, in the Notes to the Consolidated Financial Statements in Part II, Item 8 of this Annual Report.

Actual gains or losses recognized related to our derivative contracts depend exclusively on the price of the underlying commodities on the specified settlement dates provided by the derivative contracts. Additionally, we cannot be assured that our counterparties will be able to perform under our derivative contracts. If a counterparty fails to perform and the derivative arrangement is terminated, our cash flows could be negatively impacted.

Credit Risk

Our credit risk relates primarily to trade and other receivables and derivative financial instruments. Credit exposure for each customer is monitored for outstanding balances and current activity. For derivative instruments entered into as part of our hedging program, we are subject to counterparty credit risk to the extent the counterparty is unable to meet its settlement commitments. We actively manage this credit risk by selecting customers that we believe to be financially strong and continue to monitor their financial health. Concentration of credit risk is regularly reviewed to ensure that customer credit risk is adequately diversified.

We had six commodity derivative counterparties at December 31, 2022 and five at December 31, 2021. We did not receive collateral from any of our counterparties. We minimize the credit risk of our derivative instruments by limiting our exposure to any single counterparty. In addition, with certain limited exceptions, the 2021 RBL Facility

prevents us from entering into hedging arrangements that are secured (except with our lenders and their affiliates), that have margin call requirements, that otherwise require us to provide collateral or with a non-lender counterparty that does not have an A or A2 credit rating or better from Standard & Poor's or Moody's, respectively. In accordance with our standard practice, our commodity derivatives are subject to counterparty netting under agreements governing such derivatives and therefore the risk of loss due to counterparty nonperformance is somewhat mitigated. Considering these factors together, we believe exposure to credit losses related to our business at December 31, 2022 was not material and losses associated with credit risk have not been material for all periods presented.

Interest Rate Risk

Our 2021 RBL Facility has a variable interest rate on outstanding balances. As of December 31, 2022, we had no borrowings under our 2021 RBL Facility and 2022 ABL Facility and thus we had no interest rate risk exposure. The 2026 Notes have a fixed interest rate and thus we are not exposed to interest rate risk on these instruments. See Note 3, Debt, in the Notes to the Consolidated Financial Statements in Part II, Item 8 of this Annual Report for additional information regarding interest rates on our outstanding debt.

Item 8. Financial Statements and Supplementary Data

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REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Stockholders and Board of Directors
Berry Corporation (bry):

Opinion on the Consolidated Financial Statements

We have audited the accompanying consolidated balance sheets of Berry Corporation (bry) and subsidiaries (the Company) as of December 31, 2022 and 2021, the related consolidated statements of operations, stockholders' equity, and cash flows for each of the years in the three-year period ended December 31, 2022, and the related notes (collectively, the consolidated financial statements). In our opinion, the consolidated financial statements present fairly, in all material respects, the financial position of the Company as of December 31, 2022 and 2021, and the results of its operations and its cash flows for each of the years in the three-year period ended December 31, 2022, in conformity with U.S. generally accepted accounting principles.

Basis for Opinion

These consolidated financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on these consolidated financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the consolidated financial statements are free of material misstatement, whether due to error or fraud. The Company is not required to have, nor were we engaged to perform, an audit of its internal control over financial reporting. As part of our audits, we are required to obtain an understanding of internal control over financial reporting but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control over financial reporting. Accordingly, we express no such opinion.

Our audits included performing procedures to assess the risks of material misstatement of the consolidated financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the consolidated financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the consolidated financial statements. We believe that our audits provide a reasonable basis for our opinion.

/s/ KPMG LLP

We have served as the Company's auditor since 2013.

Dallas, Texas
February 27, 2023

BERRY CORPORATION (bry)
CONSOLIDATED BALANCE SHEETS

	<u>December 31, 2022</u>	<u>December 31, 2021</u>
	<u>(in thousands, except share amounts)</u>	
ASSETS		
Current assets:		
Cash and cash equivalents	\$ 46,250	\$ 15,283
Accounts receivable, net of allowance for doubtful accounts of \$866 at December 31, 2022 and December 31, 2021	101,713	86,269
Derivative instruments	36,367	—
Other current assets	33,725	45,946
Total current assets	<u>218,055</u>	<u>147,498</u>
Noncurrent assets:		
Oil and natural gas properties	1,725,864	1,537,894
Accumulated depletion and amortization	(465,889)	(340,328)
Total oil and natural gas properties, net	<u>1,259,975</u>	<u>1,197,566</u>
Other property and equipment	155,619	140,710
Accumulated depreciation	(55,781)	(36,927)
Total other property and equipment, net	<u>99,838</u>	<u>103,783</u>
Deferred income taxes	42,844	—
Derivative instruments	76	1,070
Other noncurrent assets	10,242	6,562
Total assets	<u>\$ 1,631,030</u>	<u>\$ 1,456,479</u>
LIABILITIES AND EQUITY		
Current liabilities:		
Accounts payable and accrued expenses	\$ 203,101	\$ 157,524
Derivative instruments	31,106	29,625
Total current liabilities	<u>234,207</u>	<u>187,149</u>
Noncurrent liabilities:		
Long-term debt	395,735	394,566
Derivative instruments	13,642	18,577
Deferred income taxes	—	1,831
Asset retirement obligation	158,491	143,926
Other noncurrent liabilities	28,470	17,782
Commitments and Contingencies - Note 5		
Stockholders' Equity:		
Common stock (\$0.001 par value; 750,000,000 shares authorized; 86,350,771 and 85,590,417 shares issued; and 75,767,503 and 80,007,149 shares outstanding, at December 31, 2022 and December 31, 2021, respectively)	86	86
Additional paid-in capital	821,443	912,471
Treasury stock, at cost (10,583,268 shares at December 31, 2022 and 5,583,268 shares at December 31, 2021)	(103,739)	(52,436)
Retained earnings (accumulated deficit)	82,695	(167,473)
Total stockholders' equity	<u>800,485</u>	<u>692,648</u>
Total liabilities and stockholders' equity	<u>\$ 1,631,030</u>	<u>\$ 1,456,479</u>

The accompanying notes are an integral part of these financial statements.

BERRY CORPORATION (bry)
CONSOLIDATED STATEMENTS OF OPERATIONS

	Year Ended December 31,		
	2022	2021	2020
	(in thousands, except per share amounts)		
Revenues and other:			
Oil, natural gas and natural gas liquid sales	\$ 842,449	\$ 625,475	\$ 378,663
Services revenue	181,400	35,840	—
Electricity sales	30,833	35,636	25,813
(Losses) gains on oil and gas sales derivatives	(137,109)	(156,399)	117,781
Marketing revenues	289	3,921	1,426
Other revenues	479	477	150
Total revenues and other	918,341	544,950	523,833
Expenses and other:			
Lease operating expenses	302,321	236,048	186,348
Costs of services	142,819	28,339	—
Electricity generation expenses	21,839	23,148	16,608
Transportation expenses	4,564	6,897	6,938
Marketing expenses	299	3,811	1,380
General and administrative expenses	96,439	73,106	77,696
Depreciation, depletion and amortization	156,847	144,495	139,180
Impairment of oil and gas properties	—	—	289,085
Taxes, other than income taxes	39,495	46,500	35,572
(Gains) losses on natural gas purchase derivatives	(88,795)	(38,577)	1,035
Other operating expense	3,722	3,101	5,781
Total expenses and other	679,550	526,868	759,623
Other (expenses) income:			
Interest expense	(30,917)	(31,964)	(34,295)
Other, net	(142)	(247)	(28)
Total other (expenses) income	(31,059)	(32,211)	(34,323)
Income (loss) before income taxes	207,732	(14,129)	(270,113)
Income tax (benefit) expense	(42,436)	1,413	(7,218)
Net income (loss)	\$ 250,168	\$ (15,542)	\$ (262,895)
Net income (loss) per share:			
Basic	\$ 3.19	\$ (0.19)	\$ (3.29)
Diluted	\$ 3.03	\$ (0.19)	\$ (3.29)

The accompanying notes are an integral part of these financial statements.

BERRY CORPORATION (bry)
CONSOLIDATED STATEMENTS OF STOCKHOLDERS' EQUITY

	Common Stock	Additional Paid-in Capital	Treasury Stock	Retained Earnings (Accumulated Deficit)	Total Equity
	(in thousands)				
December 31, 2019	\$ 85	\$ 901,830	\$ (49,995)	\$ 120,528	\$ 972,448
Shares withheld for payment of taxes on equity awards	—	(1,039)	—	—	(1,039)
Stock based compensation	—	15,086	—	—	15,086
Dividends declared on common stock, \$0.12/share	—	—	—	(9,564)	(9,564)
Net loss	—	—	—	(262,895)	(262,895)
December 31, 2020	85	915,877	(49,995)	(151,931)	714,036
Shares withheld for payment of taxes on equity awards	—	(1,543)	—	—	(1,543)
Stock based compensation	—	14,434	—	—	14,434
Issuance of common stock	1	—	—	—	1
Purchase of treasury stock	—	—	(2,441)	—	(2,441)
Dividends declared on common stock, \$0.20/share	—	(16,297)	—	—	(16,297)
Net loss	—	—	—	(15,542)	(15,542)
December 31, 2021	86	912,471	(52,436)	(167,473)	692,648
Shares withheld for payment of taxes on equity awards	—	(4,136)	—	—	(4,136)
Stock based compensation	—	17,762	—	—	17,762
Purchase of treasury stock	—	—	(51,303)	—	(51,303)
Dividends declared on common stock, \$1.34/share	—	(104,654)	—	—	(104,654)
Net income	—	—	—	250,168	250,168
December 31, 2022	<u>\$ 86</u>	<u>\$ 821,443</u>	<u>\$ (103,739)</u>	<u>\$ 82,695</u>	<u>\$ 800,485</u>

The accompanying notes are an integral part of these financial statements.

BERRY CORPORATION (bry)
CONSOLIDATED STATEMENTS OF CASH FLOWS

	Year Ended December 31,		
	2022	2021	2020
(in thousands)			
Cash flow from operating activities:			
Net income (loss)	\$ 250,168	\$ (15,542)	\$ (262,895)
Adjustments to reconcile net income (loss) to net cash provided by operating activities:			
Depreciation, depletion and amortization	156,847	144,495	139,180
Amortization of debt issuance costs	2,590	4,430	5,351
Impairment of oil and gas properties	—	—	289,085
Stock-based compensation expense	16,973	13,783	14,630
Deferred income taxes	(45,566)	819	(8,045)
(Decrease) increase in allowance for doubtful accounts	—	(1,349)	1,112
Other operating expenses	160	(487)	5,083
Derivatives activities:			
Total losses (gains)	48,314	117,822	(116,746)
Cash settlements on derivatives	(88,023)	(91,634)	142,292
Changes in assets and liabilities:			
(Increase) decrease in accounts receivable	(15,409)	(15,614)	18,767
Decrease (increase) in other assets	6,725	(24,824)	(2)
Increase (decrease) in accounts payable and accrued expenses	36,100	4,045	(14,172)
Decrease in other liabilities	(7,938)	(13,456)	(17,111)
Net cash provided by operating activities	360,941	122,488	196,529
Cash flow from investing activities:			
Capital expenditures:			
Capital expenditures	(152,921)	(132,719)	(76,480)
Changes in capital expenditures accruals	14,286	482	(11,336)
Acquisitions, net of cash received	(25,917)	(50,568)	—
Acquisition of properties and equipment and other	—	(876)	(5,981)
Proceeds received from divestitures	—	14,025	—
Proceeds from sale of property and equipment and other	—	869	177
Net cash used in investing activities	(164,552)	(168,787)	(93,620)
Cash flow from financing activities:			
Borrowings under RBL credit facility	247,000	119,000	228,900
Repayments on RBL credit facility	(247,000)	(119,000)	(230,750)
Borrowings under 2022 ABL credit facility	2,000	—	—
Repayments on 2022 ABL credit facility	(2,000)	—	—
Dividends paid on common stock	(109,455)	(11,486)	(19,463)
Purchase of treasury stock	(51,303)	(2,440)	—
Shares withheld for payment of taxes on equity awards and other	(4,136)	(1,543)	(1,039)
Debt issuance costs	(528)	(3,506)	—
Net cash used in financing activities	(165,422)	(18,975)	(22,352)
Net increase (decrease) in cash and cash equivalents	30,967	(65,274)	80,557
Cash and cash equivalents:			
Beginning	15,283	80,557	—
Ending	<u>\$ 46,250</u>	<u>\$ 15,283</u>	<u>\$ 80,557</u>

The accompanying notes are an integral part of these financial statements.

BERRY CORPORATION (bry)
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

Note 1—Basis of Presentation and Significant Accounting Policies

“Berry Corp.” refers to Berry Corporation (bry), a Delaware corporation, which is the sole member of each of its three Delaware limited liability company subsidiaries: (1) Berry Petroleum Company, LLC (“Berry LLC”), (2) CJ Berry Well Services Management, LLC (“C&J Management”) and (3) C&J Well Services, LLC (“C&J”). As the context may require, the “Company”, “we”, “our” or similar words refer to Berry Corp. and its subsidiary, Berry LLC, and as of October 1, 2021 this also includes C&J Management and C&J.

Nature of Business

We are a western United States independent upstream energy company with a focus on onshore, low geologic risk, long-lived conventional reserves in the San Joaquin basin of California (100% oil) and the Uinta basin of Utah (oil and gas), with well servicing and abandonment capabilities in California. Since October 1, 2021, we have operated in two business segments: (i) exploration and production (“E&P”) and (ii) well servicing and abandonment.

Principles of Consolidation and Reporting

The consolidated financial statements have been prepared in conformity with U.S. generally accepted accounting principles (“GAAP”), which requires management to make estimates and assumptions that affect the amounts reported in the financial statements and accompanying notes. We eliminated all significant intercompany transactions and balances upon consolidation. For oil and gas E&P joint ventures in which we have a direct working interest, we account for our proportionate share of assets, liabilities, revenue, expense and cash flows within the relevant lines of the financial statements.

Segment Reporting

The Company has two reportable segments. Reportable segments are defined as components of an enterprise for which separate financial information is evaluated regularly by the chief operating decision maker (“CODM”), our Chief Executive Officer, in deciding how to allocate resources and assess performance.

The E&P segment consists of the development and production of onshore, low geologic risk, long-lived conventional oil and gas reserves, primarily located in California, as well as Utah.

The well servicing and abandonment segment provides wellsite services in California to oil and natural gas production companies, with a focus on well servicing, well abandonment services and water logistics.

Use of Estimates

The preparation of the accompanying consolidated financial statements in conformity with GAAP required management of the Company to make informed estimates and assumptions about future events. These estimates and the underlying assumptions affect the amount of assets and liabilities reported, disclosures about contingent assets and liabilities, and reported amounts of revenues and expenses.

Estimates that are particularly significant to the financial statements include estimates of our reserves of oil and gas; future cash flows from oil and gas properties; depreciation, depletion and amortization; asset retirement obligations; fair values of commodity derivatives; stock-based compensation; fair values of assets acquired and liabilities assumed; and income taxes.

BERRY CORPORATION (bry)
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

Cash Equivalents

We consider all highly liquid short-term investments with original maturities of three months or less to be cash equivalents.

Inventories

Inventories were included in other current assets. Oil and natural gas inventories were valued at the lower of cost or net realizable value. Materials and supplies were valued at their weighted-average cost and are reviewed periodically for obsolescence.

Oil and Natural Gas Properties

Proved Properties

We account for oil and natural gas properties in accordance with the successful efforts method. Under this method, all acquisition costs of proved properties are capitalized and amortized on a unit-of-production basis over the remaining life of the proved reserves. All development costs of proved properties are capitalized and amortized on a unit-of-production basis over the remaining life of the proved developed reserves. Costs of retired, sold or abandoned properties that constitute a part of an amortization base are charged or credited, net of proceeds, to accumulated depreciation, depletion and amortization unless doing so significantly affects the unit-of-production amortization rate, in which case a gain or loss is recognized in the current period. Gains or losses from the disposal of other properties are recognized in the current period. For assets acquired, we base the capitalized cost on fair value at the acquisition date. We expense expenditures for maintenance and repairs necessary to maintain properties in operating condition, as well as annual lease rentals, as they are incurred. Estimated dismantlement and abandonment costs are capitalized at their estimated net present value and amortized over the remaining lives of the related assets. Interest is capitalized only during the periods in which these assets are brought to their intended use. The amount of capitalized interest was approximately \$1 million, \$2 million and \$1 million in 2022, 2021 and 2020, respectively. We only capitalize the interest on borrowed funds related to our share of costs associated with qualifying capital expenditures. The amount of capitalized exploratory well costs was zero for all periods and the amount of capitalized overhead was approximately \$6 million, \$7 million and \$6 million in 2022, 2021 and 2020, respectively.

We evaluate the impairment of our proved oil and natural gas properties and other property and equipment generally on a field-by-field basis or at the lowest level for which cash flows are identifiable, whenever events or changes in circumstance indicate that the carrying value may not be recoverable. We reduce the carrying values of proved properties to fair value when the expected undiscounted future cash flows are less than net book value. We measure the fair values of proved properties using valuation techniques consistent with the income approach, converting future cash flows to a single discounted amount. Significant inputs used to determine the fair values of proved properties include estimates of: (i) reserves; (ii) future operating and development costs; (iii) future commodity prices; and (iv) a risk-adjusted discount rate. These inputs require significant judgments and estimates by our management at the time of the valuation which can change significantly over time. The underlying commodity prices are embedded in our estimated cash flows and are the product of a process that begins with the relevant forward curve pricing, adjusted for estimated location and quality differentials, as well as other factors our management believes will impact realizable prices. The fair value was estimated using inputs characteristic of a Level 3 fair value measurement.

Unproved Properties

A portion of the carrying value of our oil and gas properties was attributable to unproved properties. At December 31, 2022 and 2021, the net capitalized costs attributable to unproved properties was approximately \$248 million and \$292 million, respectively. The unproved amounts were not subject to depreciation, depletion and amortization until they were classified as proved properties and amortized on a unit-of-production basis.

BERRY CORPORATION (bry)
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

We evaluate the impairment of our unproved oil and gas properties whenever events or changes in circumstances indicate the carrying value may not be recoverable. If the exploration and development work were to be unsuccessful, or management decided not to pursue development of these properties as a result of lower commodity prices, higher development and operating costs, adverse change in regulatory environment, contractual conditions or other factors, the capitalized costs of such properties would be expensed. The timing of any write-downs of unproved properties, if warranted, depends upon management's plans, the nature, timing and extent of future exploration and development activities and their results.

Impairment

In 2022 and 2021, we did not record any impairment charges for proved and unproved properties.

As of March 31, 2020, we performed impairment tests with respect to our proved and unproved oil and gas properties and other property and equipment as a result of significant declines in oil prices during the latter part of the first quarter 2020. We recorded a non-cash pre-tax asset impairment charge of \$289 million during the first quarter of 2020 on proved properties in Utah and certain California locations and other property and equipment. We evaluated our proved properties in accordance with accounting guidance and fair value techniques utilizing the period-end forward price curve, as well as assessing projects we determine we would not pursue in the foreseeable future given the current environment. We determined based on plans and exploration and development efforts no impairment was necessary for our unproved property balance in 2020.

Other Property and Equipment

Other property and equipment includes natural gas gathering systems, pipelines, cogeneration facilities, buildings, well servicing and abandonment vehicles and equipment, software, data processing and telecommunications equipment, office furniture and equipment, and other fixed assets. These assets are recorded at cost, depreciated using the straight-line method based on expected useful lives ranging from 15 to 39 years for buildings and improvements, 20 to 30 years for cogeneration facilities, natural gas plants and pipelines, 1 to 10 years for furniture and equipment, 1 to 10 years for well servicing and abandonment vehicles and equipment and other equipment, and the salvage value is considered as applicable. Other property and equipment assets are evaluated for impairment whenever events or changes in circumstances indicate that the carrying amount of an asset may not be recoverable.

Business Combinations

The Company records business combinations using the acquisition method of accounting. Under the acquisition method of accounting, identifiable assets acquired and liabilities assumed are recorded at their acquisition-date fair values. The excess of the purchase price over the estimated fair value, if any, is recorded as goodwill. Changes in the estimated fair values of net assets recorded for acquisitions prior to the finalization of more detailed analysis, but not to exceed one year from the date of acquisition, will adjust the amount of the purchase price allocations accordingly. Measurement period adjustments are reflected in the period in which they occur.

We account for acquisitions of businesses using the acquisition method of accounting, which requires the allocation of the purchase price consideration based on the fair values of the assets and liabilities acquired. We estimate the fair values of the assets and liabilities acquired using accepted valuation methods, and, in many cases, such estimates are based on our judgments as to the future operating cash flows expected to be generated from the acquired assets throughout their estimated useful lives. Our estimates and judgments of the fair value of acquired businesses could prove to be inexact, and the use of inaccurate fair value estimates could result in the improper allocation of the acquisition purchase price consideration to acquired assets and liabilities, which could result in asset impairments, the recording of previously unrecorded liabilities, and other financial statement adjustments. The difficulty in estimating the fair values of acquired assets and liabilities is increased during periods of economic uncertainty.

BERRY CORPORATION (bry)
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

Asset Retirement Obligation

We recognize the fair value of asset retirement obligations (“AROs”) in the period in which a determination is made that a legal obligation exists to dismantle an asset and remediate the property at the end of its useful life and the cost of the obligation can be reasonably estimated. The liability amounts were based on future retirement cost estimates and incorporate many assumptions such as time to abandonment, technological changes, future inflation rates and the risk-adjusted discount rate. When the liability is initially recorded, we capitalized the cost by increasing the related property, plant and equipment (“PP&E”) balances. If the estimated future cost of the AROs changes, we record an adjustment to both the ARO and PP&E. Over time, the liability is increased and the capitalized cost is depreciated over the useful life of the asset. Accretion expense is also recognized over time as the discounted liabilities are accreted to their expected settlement value and is included in depreciation, depletion and amortization in the statement of operations.

The following table summarizes activity in our ARO account in which approximately \$158 million and \$144 million were included in long term liabilities as of December 31, 2022 and December 31, 2021, respectively, with the remaining current portion included in accrued liabilities:

	Year Ended December 31,	
	2022	2021
	(in thousands)	
Beginning balance	\$ 163,925	\$ 160,192
Liabilities incurred including from acquisitions	3,028	1,350
Settlements and payments	(19,558)	(17,900)
Accretion expense	10,848	10,936
Reduction due to property sales	(1,210)	(22,199)
Revisions	21,458	31,546
Ending balance	<u>\$ 178,491</u>	<u>\$ 163,925</u>

Revenue Recognition

The majority of the Company's revenue is from the E&P business, which includes the sale of crude oil, natural gas and NGLs, as well as electricity from its cogeneration plants. The remaining revenue is generated from the well servicing and abandonment business. See Note 12 for information regarding the Company’s revenue recognition policy.

Fair Value Measurements

We have categorized our assets and liabilities that are measured at fair value in a three-level fair value hierarchy, based on the inputs to the valuation techniques: Level 1—using quoted prices in active markets for the assets or liabilities; Level 2—using observable inputs other than quoted prices for the assets or liabilities; and Level 3—using unobservable inputs. Transfers between levels, if any, are recognized at the end of each reporting period. We primarily apply the market approach for recurring fair value measurement, maximize our use of observable inputs and minimize use of unobservable inputs. We generally use an income approach to measure fair value when observable inputs are unavailable. This approach utilizes management’s judgments regarding expectations of projected cash flows and discounts those cash flows using a risk-adjusted discount rate.

The only item on our balance sheet that would be affected by recurring fair value measurements is derivatives. We determine the fair value of our oil and gas sales and natural gas purchase derivatives using valuation techniques which utilize market quotes and pricing analysis. Inputs include publicly available prices and forward price curves generated from a compilation of data gathered from third parties. We classify these measurements as Level 2.

BERRY CORPORATION (bry)
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

We use market-observable prices for assets when comparable transactions can be identified that are similar to the asset being valued. When we are required to measure fair value and there is not a market-observable price for the asset or for a similar asset then the income approach is based on management's best assumptions regarding expectations of future net cash flows. PP&E is written down to fair value if we determine that there has been an impairment in its value. The fair value is determined as of the date of the assessment using discounted cash flow models based on management's expectations for the future. Inputs include estimates of future production, prices based on commodity forward price curves as of the date of the estimate, estimated future operating and development costs and a risk-adjusted discount rate. However, assumptions used reflect assets highest and best use and a market participant's view of long-term prices, costs and other factors and are consistent with assumptions used in our business plans and investment decisions. We classify these measurements as Level 3.

Stock-based Compensation

We have issued restricted stock units ("RSUs") that vest over time and performance-based restricted stock units ("PSUs") that include (i) awards with a market objective measured against both absolute total stockholder return ("Absolute TSR") and a relative total stockholder return ("Relative TSR") (the "TSR PSUs") over the performance period and (ii) awards based on the Company's average cash returned on invested capital ("CROIC PSUs" and "ROIC PSUs") over the performance period. CROIC PSUs are awarded to certain Berry employees, while ROIC PSUs are awarded to certain CJWS employees. The fair value of the stock-based awards is determined at the date of grant and is not remeasured. The fair value of the RSUs, CROIC PSUs and ROIC PSUs was determined using the grant date stock price. The fair value of the TSR PSUs was determined using a Monte Carlo simulation analysis to estimate the total shareholder return ranking of the Company, including a comparison against the peer group over the performance periods. Estimates used in the Monte Carlo valuation model are considered highly complex and subjective. Compensation expense, net of actual forfeitures, for the RSUs and PSUs is recognized on a straight-line basis over the requisite service periods, which is over the awards' respective vesting or performance periods which range from one to three years.

Other Loss Contingencies

In the normal course of business, we are involved in lawsuits, claims and other environmental and legal proceedings and audits. We accrue reserves for these matters when it is probable that a liability has been incurred and the liability can be reasonably estimated. In addition, we disclose, if material, in aggregate, our exposure to loss in excess of the amount recorded on the balance sheet for these matters if it is reasonably possible that an additional material loss may be incurred. We review our loss contingencies on an ongoing basis.

Loss contingencies are based on judgments made by management with respect to the likely outcome of these matters and are adjusted as appropriate. Management's judgments could change based on new information, changes in, or interpretations of, laws or regulations, changes in management's plans or intentions, opinions regarding the outcome of legal proceedings, or other factors.

Electricity Cost Allocation

We own several cogeneration facilities. Our investment in cogeneration facilities has been for the express purpose of lowering steam costs in our heavy oil operations in California and securing operating control of the respective steam generation. Cogeneration, also called combined heat and power, extracts energy from the exhaust of a turbine, which would otherwise be wasted, to produce steam. Such cogeneration operations also produce electricity. We allocate steam and electricity costs to lease operating expenses based on the conversion efficiency of the cogeneration facilities plus certain direct costs of producing steam. We also allocate a portion of the electricity production costs related to the power we sell to third parties, which is reported in "electricity generation expenses" in the statement of operations.

BERRY CORPORATION (bry)
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

Income Taxes

Deferred tax assets and liabilities are recognized for the estimated future tax consequences attributable to differences between the financial statement carrying amounts of assets and liabilities and their tax basis. Deferred tax assets are recognized when it is more likely than not that they will be realized. We periodically assess our deferred tax assets and reduce such assets by a valuation allowance if we deem it is more likely than not that some portion, or all, of the deferred tax assets will not be realized. We recognize a tax benefit from an uncertain tax position when it is more likely than not that the position will be sustained upon examination, based on the technical merits of the position. Interest and penalties related to unrecognized tax benefits are recognized in income tax expense (benefit).

Earnings per Share

Basic earnings (loss) per share is calculated as net income (loss) divided by the weighted-average shares of common stock outstanding during the period. Diluted earnings (loss) per share is calculated by dividing net income (loss) by the weighted-average shares of common stock outstanding, including the effect of potentially dilutive securities. For basic earnings per share ("EPS"), the weighted-average number of common stock outstanding excludes outstanding shares related to unvested restricted stock awards. For diluted EPS, the basic shares outstanding are adjusted by adding potentially dilutive securities, unless their effect is anti-dilutive. We did not have any participating securities in the periods presented.

We compute basic and diluted EPS using the two-class method required for participating securities. Common stock awards are considered participating securities when such shares have non-forfeitable dividend rights at the same rate as common stock. Our dividend rights are forfeitable, and are not considered participating securities. Under the two-class method, undistributed earnings allocated to participating securities are subtracted from net income attributable to common stock in determining net income attributable to common stockholders. In loss periods, no allocation is made to participating securities because the participating securities do not share in losses.

Business and Credit Concentrations

We maintain our cash in bank deposit accounts which, at times, may exceed federally insured amounts. We have not experienced any losses in such accounts. We believe we are not exposed to any significant credit risk on our cash.

We sell oil, natural gas and NGLs to various types of customers, including pipelines, refineries and other oil and natural gas companies and electricity to utility companies. We also perform well servicing and abandonment for oil and natural gas companies. Based on the current demand for oil, natural gas, NGLs, as well as our well servicing and abandonment services and the availability of other purchasers, we believe that the loss of any one of our major purchasers would not have a material adverse effect on our financial condition, results of operations or net cash provided by operating activities.

For the year ended December 31, 2022, our three largest customers represented approximately 33%, 16%, and 10% of our sales. For the year ended December 31, 2021, our four largest customers represented 30%, 16%, 14%, and 12% of our sales. For the year ended December 31, 2020, our three largest customers represented approximately 44%, 20%, and 12% of our sales. All such customers were customers of our E&P segment.

At December 31, 2022, trade accounts receivable from three customers represented approximately 33%, 16%, and 13% of our receivables. At December 31, 2021, trade accounts receivable from three customers represented approximately 28%, 13%, and 11% of our receivables.

BERRY CORPORATION (bry)
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

Recently Adopted Accounting Standards

In February 2016, the FASB issued ASU 2016-02, *Leases (Topic 842)*, which requires lessees to recognize assets and liabilities on the balance sheet for the rights and obligations created by all leases with terms of more than 12 months and to include qualitative and quantitative disclosures with respect to the amount, timing, and uncertainty of cash flows arising from leases. In January 2018, the FASB issued ASU 2018-01, *Leases (Topic 842)*, which is an update to the lease standard providing an optional transition approach for land easements allowing entities to evaluate only new or modified land easements. In July 2018, the FASB issued ASU 2018-11, *Leases (Topic 842)*, which provided optional transition relief allowing a prospective approach in applying the new rules by not adjusting comparative period financial information for the effects of the new rules and not requiring disclosures for periods before the effective date. As an emerging growth company, we have elected to delay the adoption of these rules until they are applicable to non-SEC issuers. During the second quarter of 2020, this adoption date was further delayed by FASB until fiscal years beginning after December 15, 2021, including interim periods within those fiscal years. We adopted these rules in the first quarter of 2022 prospectively. The impacts of adoption were immaterial.

Note 2—Oil and Natural Gas Properties and Other Property and Equipment

Oil and Natural Gas Capitalized Costs

Aggregate capitalized costs related to oil, natural gas and NGL production activities with applicable accumulated depletion and amortization are presented below:

	Year Ended December 31,	
	2022	2021
	(in thousands)	
Proved properties	\$ 1,477,791	\$ 1,246,380
Unproved properties	248,073	291,514
Total proved and unproved properties	1,725,864	1,537,894
Less accumulated depletion and amortization	(465,889)	(340,328)
Total proved and unproved properties, net	<u>\$ 1,259,975</u>	<u>\$ 1,197,566</u>

Other Property and Equipment

Other property and equipment consisted of the following:

	Year Ended December 31,	
	2022	2021
	(in thousands)	
Cogeneration facilities, natural gas plants and pipelines	\$ 58,357	\$ 54,237
Vehicles and service equipment ⁽¹⁾	65,195	55,521
Furniture and equipment	23,779	22,665
Land	6,102	6,101
Buildings and leasehold improvements	2,186	2,186
Total other property and equipment	155,619	140,710
Less: accumulated depreciation	(55,781)	(36,927)
Total other property and equipment, net	<u>\$ 99,838</u>	<u>\$ 103,783</u>

BERRY CORPORATION (bry)
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

(1) Includes CJWS vehicles and service equipment.

Note 3—Debt

The following table summarizes our outstanding debt:

	December 31, 2022	December 31, 2021	Interest Rate	Maturity	Security
	(in thousands)				
2021 RBL Facility	\$ —	\$ —	variable rates 9.5% (2022) and 5.3% (2021)	August 26, 2025	Mortgage on 90% of Present Value of proven oil and gas reserves and lien on certain other assets
2022 ABL Facility	—	n/a	variable rates 8.3% (2022)	June 5, 2025	Personal property assets, other than excluded accounts
2026 Notes	400,000	400,000	7.0%	February 15, 2026	Unsecured
Long-Term Debt - Principal Amount	400,000	400,000			
Less: Debt Issuance Costs	(4,265)	(5,434)			
Long-Term Debt, net	\$ 395,735	\$ 394,566			

Deferred Financing Costs

We incurred legal and bank fees related to the issuance of debt. At December 31, 2022 and 2021, debt issuance costs for the 2021 RBL Facility and the 2022 ABL Facility (each as defined below) reported in “other noncurrent assets” on the balance sheet were approximately \$4 million and \$5 million, net of amortization, respectively. In 2021, we expensed \$3 million of unamortized debt issuance costs related to the modification of the 2017 RBL Facility and also incurred approximately \$4 million of legal and bank fees related to the issuance of the 2021 RBL Facility. At December 31, 2022 and 2021, debt issuance costs, net of amortization, for the unsecured notes due February 2026 (the “2026 Notes”) reported in “Long-Term Debt, net” on the balance sheet were approximately \$4 million and \$5 million, respectively.

For the years ended December 31, 2022, 2021, and 2020, the amortization expense for the 2021 RBL Facility, 2022 ABL Facility, the 2017 RBL Facility and the 2026 Notes combined, was approximately \$2 million, \$4 million, and \$5 million, respectively. The amortization of debt issuance costs is presented in “interest expense” on the consolidated statements of operations.

Fair Value

Our debt is recorded at the carrying amount on the balance sheets. The carrying amounts of the 2021 RBL Facility and the 2022 ABL Facility approximate fair value because the interest rates are variable and reflect market rates. The fair value of the 2026 Notes was approximately \$369 million and \$400 million at December 31, 2022 and 2021, respectively.

BERRY CORPORATION (bry)
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

2021 RBL Facility

On August 26, 2021, Berry Corp, as a guarantor, together with Berry LLC, as the borrower, entered into a credit agreement that provided for a revolving loan with up to \$500 million of commitments, subject to a reserve borrowing base (as amended by the First Amendment, the Second Amendment and the Third Amendment, each as defined below, the “2021 RBL Facility”). Our initial borrowing base is \$200 million. The 2021 RBL Facility provides a letter of credit subfacility for the issuance of letters of credit in an aggregate amount not to exceed \$20 million. Issuances of letters of credit reduce the borrowing availability for revolving loans under the 2021 RBL Facility on a dollar for dollar basis. The 2021 RBL Facility matures on August 26, 2025, unless terminated earlier in accordance with the 2021 RBL Facility terms. Borrowing base redeterminations generally become effective each May and November, although the borrower and the lenders may each make one interim redetermination between scheduled redeterminations. In December 2021, we completed the first scheduled semi-annual borrowing base redetermination and entered into that certain First Amendment to Credit Agreement (the “First Amendment”), which resulted in a reaffirmed borrowing base at \$200 million and changes to the hedging covenants in respect of the exclusion of short puts or similar derivatives in the calculation of minimum and maximum hedging requirements.

In May 2022, Berry Corp., as a guarantor, and Berry LLC, as the borrower, entered into that certain Second Amendment to Credit Agreement and Limited Consent and Waiver (the “Second Amendment”) pursuant to which, among other things, the requisite lenders under the 2021 RBL Facility (i) consented to certain dividends and distributions and to certain investments made by Berry LLC in C&J and/or C&J Management, in each case, as further described therein, (ii) waived certain minimum hedging requirements for the time periods described therein, (iii) waived any breach, default or event of default which may have arisen as a result of any of the foregoing, (iv) amended the restricted payments covenant to give us additional flexibility to make restricted payments, subject to satisfaction of certain leverage and availability conditions and other conditions described below and in the Second Amendment and (v) amended the minimum hedging covenant to not, until October 1, 2022, require hedges for any full calendar month from and after January 1, 2025, as further described in the Second Amendment. In May 2022, we also completed our semi-annual borrowing base redetermination and entered into the Third Amendment to the Credit Agreement (the “Third Amendment”), which among other things (1) increased the borrowing base from \$200 million to \$250 million; (2) established the Aggregate Elected Commitment Amounts (as defined in the 2021 RBL Facility) at \$200 million initially; and (3) converted all outstanding Eurodollar Loans (into Term Benchmark Loans (each as defined in the 2021 RBL Facility) with an initial interest period of one-month’s duration and otherwise give effect to the transition from the London interbank offered rate (“LIBOR”) to the secured overnight financing rate (“SOFR”) by replacing the adjusted LIBOR rate with the term SOFR rate for one, three or six months plus 0.1% (subject to a floor of 0.5%).

In December 2022, we completed our scheduled semi-annual borrowing base redetermination, which resulted in a reaffirmed borrowing base at \$250 million and \$200 million elected commitment amount.

If the outstanding principal balance of the revolving loans and the aggregate face amount of all letters of credit under the 2021 RBL Facility exceeds the borrowing base at any time as a result of a redetermination of the borrowing base, we have the option within 30 days to take any of the following actions, either individually or in combination: make a lump sum payment curing the deficiency, deliver reserve engineering reports and mortgages covering additional oil and gas properties sufficient in certain lenders’ opinion to increase the borrowing base and cure the deficiency or begin making equal monthly principal payments that will cure the deficiency within the next six-month period. Upon certain adjustments to the borrowing base other than a result of a redetermination, we are required to make a lump sum payment in an amount equal to the amount by which the outstanding principal balance of the revolving loans and the aggregate face amount of all letters of credit under the 2021 RBL Facility exceeds the borrowing base. In addition, the 2021 RBL Facility provides that if there are any outstanding borrowings and the consolidated cash balance exceeds \$20 million at the end of each calendar week, such excess amounts shall be used to prepay borrowings under the credit agreement. Otherwise, any unpaid principal will be due at maturity.

The outstanding borrowings under the revolving loan bear interest at a rate equal to either (i) a customary base rate plus an applicable margin ranging from 2.0% to 3.0% per annum, and (ii) a customary benchmark rate plus an

BERRY CORPORATION (bry)
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

applicable margin ranging from 3.0% to 4.0% per annum, and in each case depending on levels of borrowing base utilization. In addition, we must pay the lenders a quarterly commitment fee of 0.5% on the average daily unused amount of the borrowing availability under the 2021 RBL Facility. We have the right to prepay any borrowings under the 2021 RBL Facility with prior notice at any time without a prepayment penalty.

The 2021 RBL Facility requires us to maintain on a consolidated basis as of each quarter-end (i) a leverage ratio of not more than 3.0 to 1.0 and (ii) a current ratio of not less than 1.0 to 1.0. As of December 31, 2022, our leverage ratio and current ratio were 1.2 to 1.0 and 1.7 to 1.0, respectively. In addition, the 2021 RBL Facility currently provides that, to the extent we incur unsecured indebtedness, including any amounts raised in the future, the borrowing base will be reduced by an amount equal to 25% of the amount of such unsecured debt. We were in compliance with all financial covenants under the 2021 RBL Facility as of December 31, 2022.

The 2021 RBL Facility contains usual and customary events of default and remedies for credit facilities of a similar nature. The 2021 RBL Facility also places restrictions on the borrower and its restricted subsidiaries with respect to additional indebtedness, liens, dividends and other payments to shareholders, repurchases or redemptions of our common stock, redemptions of the borrower's senior notes, investments, acquisitions, mergers, asset dispositions, transactions with affiliates, hedging transactions and other matters.

From and after August 26, 2022, the 2021 RBL Facility permits us to repurchase certain indebtedness so long as both before and after giving pro forma effect to such repurchase, no default or event of default exists, availability is equal to or greater than 20% of the borrowing base and our pro forma leverage ratio is less than or equal to 2.0 to 1.0. The 2021 RBL Facility also permits us to make restricted payments so long as both before and after giving pro forma effect to such distribution, no default or event of default exists, availability exceeds 75% of the borrowing base, and our pro forma leverage ratio is less than or equal to 1.5 to 1.0. In addition, we can make other restricted payments in an aggregate amount not to exceed 100% of Free Cash Flow (as defined under the 2021 RBL Facility) for the fiscal quarter most recently ended prior to such distribution so long as, in addition to other conditions and limitations as described in the 2021 RBL Facility, both before and after giving pro forma effect to such distribution, no default or event of default exists, availability is greater than 20% of the borrowing base and our pro forma leverage ratio is less than or equal to 2.0 to 1.0.

We can repurchase equity or make other distributions to our equity holders in an amount equal to (i) 100% of Free Cash Flow (as defined under the 2021 RBL Facility) for the fiscal quarter most recently ended prior to such repurchase or distribution minus (ii) the amount of certain investments made, so long as, in addition to other conditions and limitations as described in the 2021 RBL Facility, availability is equal to or greater than 20% of the elected commitments or borrowing base, whichever is in effect, and our pro forma leverage ratio is less than or equal to 2.0 to 1.0.

Berry LLC is the borrower on the 2021 RBL Facility and Berry Corp. is the guarantor. Each future subsidiary of Berry Corp., with certain exceptions, is required to guarantee our obligations and obligations of the other guarantors under the 2021 RBL Facility and under certain hedging transactions and banking services arrangements (the "Guaranteed Obligations"). The lenders under the 2021 RBL Facility hold a mortgage on at least 90% of the present value of our proven oil and gas reserves. The obligations of Berry LLC and the guarantors are also secured by liens on substantially all of our personal property, subject to customary exceptions.

As of December 31, 2022, we had no borrowings outstanding, \$7 million in letters of credit outstanding, and approximately \$193 million of available borrowings capacity under the 2021 RBL Facility.

2022 ABL Facility

On August 9, 2022, C&J and C&J Management, which are the two entities that constitute the well servicing and abandonment segment referred to as CJWS, as borrowers, entered into a credit agreement with Tri Counties Bank, as lender, that provides for a revolving loan facility, subject to satisfaction of customary conditions precedent to borrowing, of up to the lesser of (x) \$15 million and (y) the borrowing base ("the "2022 ABL Facility"). The

BERRY CORPORATION (bry)
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“borrowing base” is an amount equal to 80% percent of the balance due on eligible accounts receivable, subject to reserves that Tri Counties Bank may implement in its reasonable discretion. Interest on the outstanding principal amount of the revolving loans under the 2022 ABL Facility accrues at a per annum rate equal to 1.25% in excess of The Wall Street Journal Prime Rate. The “Wall Street Journal Prime Rate” is the variable rate of interest, on a per annum basis, which is announced and/or published in the “Money Rates” section of The Wall Street Journal from time to time as its “Prime Rate”. The rate will be redetermined whenever The Wall Street Journal Prime Rate changes. Interest is due quarterly, in arrears, starting on September 30, 2022 and will continue to be due and payable in arrears on the last day of each calendar quarter thereafter. On June 5, 2025 the entire unpaid principal balance of the revolving loans under the 2022 ABL Facility, and all unpaid interest thereon, will be due and payable. The 2022 ABL Facility provides a letter of credit sub-facility for the issuance of letters of credit in an aggregate amount not to exceed \$7.5 million.

The 2022 ABL Facility requires CJWS to comply with the following financial covenants (i) maintain on a consolidated basis a ratio of total liabilities to tangible net worth of no greater than 1.5 to 1.0 at any time; (ii) reduce the amount of revolving advances outstanding under the 2022 ABL Facility to not more than 90% of the lesser of (a) the maximum revolving advance amount, or (b) the borrowing base, as of Tri Counties Bank’s close of business on the last day of each fiscal quarter; and (iii) maintain net income before taxes of not less than \$1.00 as of each fiscal year end. As of December 31, 2022, CJWS had a ratio of total liabilities to tangible net worth of 0.2 to 1.0, no advances outstanding, and net income for fiscal year end 2022 was \$15 million.

The 2022 ABL Facility contains usual and customary events of default and remedies for credit facilities of a similar nature. The 2022 ABL Facility also places restrictions on CJWS with respect to additional indebtedness, liens, dividends and other distributions, investments, acquisitions, mergers, asset dispositions and other matters. CJWS’s obligations under the 2022 ABL Facility are not guaranteed by Berry Corp. or Berry LLC and Berry Corp. and Berry LLC do not and are not required to provide any credit support for such obligations. CJWS was in compliance with all financial covenants under the 2022 ABL Facility as of December 31, 2022.

As of December 31, 2022, CJWS had no borrowings and \$2 million letters of credit outstanding with \$13 million of available borrowing capacity under the 2022 ABL Facility.

2017 RBL Facility

On July 31, 2017, we entered into a credit agreement that provided for a revolving loan with up to \$1.5 billion of commitment, subject to a reserve borrowing base (“2017 RBL Facility”). On August 26, 2021, we cancelled the 2017 RBL Facility agreement, which had a borrowing base of \$200 million and there were no borrowings outstanding at the time of cancellation.

Senior Unsecured Notes

In February 2018, Berry LLC completed a private issuance of \$400 million in aggregate principal amount of 7.0% senior unsecured notes due February 2026 (the “2026 Notes”), which resulted in net proceeds to us of approximately \$391 million after deducting expenses and the initial purchasers’ discount.

The 2026 Notes are Berry LLC’s senior unsecured obligations and rank equally in right of payment with all of our other senior indebtedness and senior to any of our subordinated indebtedness. The 2026 Notes are fully and unconditionally guaranteed on a senior unsecured basis by Berry Corp. and will also be guaranteed by certain of our future subsidiaries; C&J Management and C&J are not guarantors. The 2026 Notes and related guarantees are effectively subordinated to all of our secured indebtedness (including all borrowings and other obligations under our 2021 RBL Facility) to the extent of the value of the collateral securing such indebtedness, and structurally subordinated in right of payment to all existing and future indebtedness and other liabilities (including trade payables) of any subsidiaries that do not guarantee the 2026 Notes, including the obligations of C&J Management and C&J under the 2022 ABL Facility.

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Berry LLC may, at its option, redeem all or a portion of the 2026 Notes at any time. If we experience certain kinds of changes of control, holders of the 2026 Notes may have the right to require us to repurchase their notes at 101% of the principal amount of the 2026 Notes, plus accrued and unpaid interest, if any

The indenture governing the 2026 Notes contains restrictive covenants that may limit our ability to, among other things:

- incur or guarantee additional indebtedness or issue certain types of preferred stock;
- pay dividends on capital stock or redeem, repurchase or retire our capital stock or subordinated indebtedness;
- transfer, sell or dispose of assets;
- make investments;
- create certain liens securing indebtedness;
- enter into agreements that restrict dividends or other payments from our restricted subsidiaries to us;
- consolidate, merge or transfer all or substantially all of our assets; and
- engage in transactions with affiliates.

The indenture governing the 2026 Notes contains customary events of default, including, among others, (a) non-payment; (b) non-compliance with covenants (in some cases, subject to grace periods); (c) payment default under, or acceleration events affecting, material indebtedness and (d) bankruptcy or insolvency events involving us or certain of our subsidiaries. We were in compliance with all covenants as of December 31, 2022.

Debt Repurchase Program

In February 2020, our Board of Directors adopted a program to spend up to \$75 million for the opportunistic repurchase of our 2026 Notes. The manner, timing and amount of any purchases will be determined based on our evaluation of market conditions, compliance with outstanding agreements and other factors, may be commenced or suspended at any time without notice and does not obligate Berry Corp. to purchase the 2026 Notes during any period or at all. We have not yet repurchased any notes under this program.

Note 4—Derivatives

We utilize derivatives, such as swaps, puts, calls and collars to hedge a portion of our forecasted oil and gas production and gas purchases to reduce exposure to fluctuations in oil and natural gas prices, which addresses our market risk. In addition to satisfying the oil hedging requirements in our 2021 RBL Facility, we target covering our operating expenses and a majority of our fixed charges, which includes capital needed to sustain production levels, as well as interest and fixed dividends as applicable, with the oil and gas sales hedges for a period of up to three years out. Additionally, we target fixing the price for a large portion of our natural gas purchases used in our steam operations for up to three years. We have also entered into Utah gas transportation contracts to help reduce the price fluctuation exposure, however these do not qualify as hedges. We also, from time to time, have entered into agreements to purchase a portion of the natural gas we require for our operations, which we do not record at fair value as derivatives because they qualify for normal purchases and normal sales exclusions. We had no such transactions in the periods presented.

For fixed-price oil and gas sales swaps, we are the seller, so we make settlement payments for prices above the indicated weighted-average price per barrel and per mmbtu, respectively, and receive settlement payments for prices below the indicated weighted-average price per barrel and per mmbtu, respectively.

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For our long put spreads, in addition to any deferred premium payments, we would receive settlement payments for prices below the indicated highest price of the long put with the maximum payment received per bbl equal to the difference between the indicated prices of the long and short put. No payment would be made or received for prices above the highest indicated price of the long put. The short put spreads offset the long put spreads.

A producer collar is used for the sale of our produced oil and is the combination of buying a put option and selling a call option. We would receive settlement payments for prices below the indicated weighted-average price per bbl of the put option and we would make settlement payments for prices above the indicated weighted-average price of the call option. No payment would be made or received for prices in between the indicated weighted-average price of the put and call.

A consumer collar is used for the purchase of fuel gas and is the combination of buying a call option and selling a put option. We would receive settlement payments for prices above the indicated weighted-average price of the call option and we would make settlement payments for prices below the indicated weighted-average price of the put option. No payment would be made or received for prices in between the indicated weighted-average price of the put and call.

For natural gas basis swaps, we make settlement payments if the difference between NWPL and Henry Hub is below the indicated weighted-average price of our contracts and receive settlement payments if the difference between NWPL and Henry Hub is above the indicated weighted-average price.

For some of our options we paid or received a premium at the time the positions were created and for others, the premium payment or receipt is deferred until the time of settlement. As of December 31, 2022 we have net payable deferred premiums of approximately \$5 million, which is reflected in the mark-to-market valuation and will be payable through December 31, 2024.

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As of December 31, 2022, we had the following crude oil production and gas purchases hedges.

	<u>Q1 2023</u>	<u>Q2 2023</u>	<u>Q3 2023</u>	<u>Q4 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>
<u>Brent - Crude Oil Production</u>						
Swaps						
Hedged volume (bbls)	1,385,278	1,387,750	1,211,717	1,196,000	3,392,048	—
Weighted-average price (\$/bbl)	\$ 77.15	\$ 77.01	\$ 76.26	\$ 76.18	\$ 76.12	\$ —
Put Spreads						
Long \$50/\$40 Put Spread hedged volume (bbls)	630,000	637,000	644,000	644,000	1,647,000	—
Short \$50/\$40 Put Spread hedged volume (bbls)	90,000	91,000	92,000	92,000	366,000	—
Producer Collars						
Hedged volume (bbls)	360,000	364,000	368,000	368,000	1,098,000	2,212,500
Weighted-average price (\$/bbl)	\$40.00/ \$106.00	\$40.00/ \$106.00	\$40.00/ \$106.00	\$40.00/ \$106.00	\$40.00/ \$105.00	\$58.35/ \$91.45
<u>Henry Hub - Natural Gas Purchases</u>						
Consumer Collars						
Hedged volume (mmbtu)	2,110,000	1,820,000	—	—	—	—
Weighted-average price (\$/mmbtu)	\$4.00/ \$2.75	\$4.00/ \$2.75	\$ —	\$ —	\$ —	\$ —
<u>NWPL - Natural Gas Purchases</u>						
Hedged volume (mmbtu)	1,800,000	3,640,000	3,680,000	3,680,000	7,320,000	6,080,000
Weighted-average price (\$/mmbtu)	\$ 6.40	\$ 5.34	\$ 5.34	\$ 5.34	\$ 4.27	\$ 4.27
<u>Gas Basis Differentials</u>						
NWPL/HH - basis swaps						
Hedged volume (mmbtu)	1,800,000	1,820,000	1,840,000	1,840,000	—	—
Weighted-average price (\$/mmbtu)	\$ 1.12	\$ 1.12	\$ 1.12	\$ 1.12	\$ —	\$ —

In addition to the table above, in January 2023, we terminated the following basis swaps (NWPL/HH): 4,900,000 mmbtu (20,000 mmbtu/d) at \$1.12 beginning March 2023 through October 2023, and 610,000 mmbtu (10,000 mmbtu/d) at \$1.12 beginning November 2023 through December 2023.

In January 2023 we also added the following Producer Collars (Brent): 3,627 bbl (117 bbl/d) at \$60.00/\$88.50 for January 2025, 270,000 bbl (3,000 bbl/d) at \$60.00/\$88.35 for January 2025 through March of 2025, and 472,500 bbl (5,250 bbl/d) at \$60.00/\$82.21 for January 2026 through March of 2026, which are in addition to the table above. These Producer Collars (Brent) were cashless.

BERRY CORPORATION (bry)
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

Our commodity derivatives are measured at fair value using industry-standard models with various inputs including publicly available underlying commodity prices and forward curves, and all are classified as Level 2 in the required fair value hierarchy for the periods presented. These commodity derivatives are subject to counterparty netting. The following tables present the fair values (gross and net) of our outstanding derivatives as of December 31, 2022 and 2021. The following tables present the fair values (gross and net) of our outstanding derivatives as of December 31, 2022 and 2021.

December 31, 2022			
Balance Sheet Classification	Gross Amounts Recognized at Fair Value	Gross Amounts Offset in the Balance Sheet	Net Fair Value Presented in the Balance Sheet
(in thousands)			
Assets:			
Commodity Contracts	Current assets	\$ 66,974	\$ (30,607) \$ 36,367
Commodity Contracts	Non-current assets	39,886	(39,810) 76
Liabilities:			
Commodity Contracts	Current liabilities	(61,713)	30,607 (31,106)
Commodity Contracts	Non-current liabilities	(53,452)	39,810 (13,642)
Total derivatives		\$ (8,305)	\$ — \$ (8,305)

December 31, 2021			
Balance Sheet Classification	Gross Amounts Recognized at Fair Value	Gross Amounts Offset in the Balance Sheet	Net Fair Value Presented in the Balance Sheet
(in thousands)			
Assets:			
Commodity Contracts	Current assets	\$ 5,360	\$ (5,360) \$ —
Commodity Contracts	Non-current assets	29,828	(28,758) 1,070
Liabilities:			
Commodity Contracts	Current liabilities	(34,985)	5,360 (29,625)
Commodity Contracts	Non-current liabilities	(47,335)	28,758 (18,577)
Total derivatives		\$ (47,132)	\$ — \$ (47,132)

By using derivative instruments to economically hedge exposure to changes in commodity prices, we expose ourselves to credit risk. Credit risk is the failure of the counterparty to perform under the terms of the derivative contract. When the fair value of a derivative contract is positive, the counterparty owes us, which creates credit risk. We do not receive collateral from our counterparties.

We minimize the credit risk in derivative instruments by limiting our exposure to any single counterparty. In addition, our 2021 RBL Facility prevents us from entering into hedging arrangements that are secured, except with our lenders and their affiliates that have margin call requirements, that otherwise require us to provide collateral or with a non-lender counterparty that does not have an A or A2 credit rating or better from Standards & Poor's or Moody's, respectively. In accordance with our standard practice, our commodity derivatives are subject to counterparty netting under agreements governing such derivatives which partially mitigates the counterparty nonperformance risk.

BERRY CORPORATION (bry)
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

(Losses) Gains on Derivatives

A summary of gains and losses on the derivatives included on the statements of operations is presented below:

	Year Ended December 31,		
	2022	2021	2020
	(in thousands)		
(Losses) gains on oil and gas sales derivatives	\$ (137,109)	\$ (156,399)	\$ 117,781
Gains (losses) on natural gas purchase derivatives	88,795	38,577	(1,035)
Total (losses) gains on derivatives	<u>\$ (48,314)</u>	<u>\$ (117,822)</u>	<u>\$ 116,746</u>

For the years ended December 31, 2022 and 2021 we paid net cash settlements of approximately \$88 million and \$92 million, respectively. For the year ended December 31, 2020, we received net cash scheduled settlements of approximately \$142 million.

Note 5—Commitments and Contingencies

In the normal course of business, we, or our subsidiaries, are the subject of, or party to, pending or threatened legal proceedings, contingencies and commitments involving a variety of matters that seek, or may seek, among other things, compensation for alleged personal injury, breach of contract, property damage or other losses, punitive damages, fines and penalties, remediation costs, or injunctive or declaratory relief.

We accrue for currently outstanding lawsuits, claims and proceedings when it is probable that a liability has been incurred and the liability can be reasonably estimated. We have not recorded any reserve balances at December 31, 2022 and December 31, 2021. We also evaluate the amount of reasonably possible losses that we could incur as a result of these matters. We believe that reasonably possible losses that we could incur in excess of accruals on our balance sheet would not be material to our consolidated financial position or results of operations.

We, or our subsidiaries, or both, have indemnified various parties against specific liabilities those parties might incur in the future in connection with transactions that they have entered into with us. As of December 31, 2022, we are not aware of material indemnity claims pending or threatened against us.

Securities Litigation Matter

On November, 20, 2020, Luis Torres, individually and on behalf of a putative class, filed a securities class action lawsuit (the “Torres Lawsuit”) in the United States District Court for the Northern District of Texas against Berry Corp. and certain of its current and former directors and officers (collectively, the “Defendants”). The complaint asserts violations of Sections 11 and 15 of the Securities Act of 1933, and Sections 10(b) and 20(a) of the Exchange Act, on behalf of a putative class of all persons who purchased or otherwise acquired (i) common stock pursuant and/or traceable to the Company’s 2018 IPO; or (ii) Berry Corp.’s securities between July 26, 2018 and November 3, 2020 (the “Class Period”). In particular, the complaint alleges that the Defendants made false and misleading statements during the Class Period and in the offering materials for the IPO, concerning the Company’s business, operational efficiency and stability, and compliance policies, that artificially inflated the Company’s stock price, resulting in injury to the purported class members when the value of Berry Corp.’s common stock declined following release of its financial results for the third quarter of 2020 on November 3, 2020.

On November 1, 2021, the court-appointed co-lead plaintiffs filed an amended complaint asserting claims on behalf of the same putative class under Sections 11 and 15 of the Securities Act of 1933 and Sections 10(b) and 20(a) of the Exchange Act, alleging, among other things, that the Company and the individual Defendants made false and misleading statements between July 26, 2018 and November 3, 2020 regarding the Company’s permits and permitting processes. The amended complaint does not quantify the alleged losses but seeks to recover all damages

BERRY CORPORATION (bry)
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

sustained by the putative class as a result of these alleged securities violations, as well as attorneys' fees and costs. The Defendants filed a Motion to Dismiss on January 24, 2022 and on September 13, 2022, the Court issued an order denying that motion. The case is now in discovery.

We dispute these claims and intend to defend the matter vigorously. Given the uncertainty of litigation, the early stage of the case, and the legal standards that must be met for, among other things, class certification and success on the merits, we cannot reasonably estimate the possible loss or range of loss that may result from this action.

On October 20, 2022, a shareholder derivative lawsuit was filed in the United States District Court for the Northern District of Texas by putative stockholder George Assad, allegedly on behalf of the Company, that piggy-backs on the securities class action referenced above and which is currently pending before the same Court. The derivative complaint names certain current and former officers and directors as defendants, and generally alleges that they breached their fiduciary duties by causing or failing to prevent the securities violations alleged in the securities class action. The derivative complaint also alleges claims for unjust enrichment as against all defendants, and claims for contribution and indemnification under Sections 10(b) and 21D of the Exchange Act. On January 27, 2023, the court granted the parties' joint stipulated request to stay the derivative action pending resolution of the related securities class action. The Company and the individual defendants believe the claims in the shareholder derivative action are without merit and intend to defend vigorously against them, but there can be no assurances as to the outcome. At this time, we are unable to estimate the probability or the amount of liability, if any, related to this matter.

On January 20, 2023, a second shareholder derivative lawsuit was filed, this time in the United States District Court for the District of Delaware, by putative stockholder Molly Karp allegedly on behalf of the Company, again piggy-backing on the securities class action referenced above. This complaint, similar to the first derivative complaint, is brought against certain current and former officers and directors of the Company, asserting breach of fiduciary duty, aiding and abetting, and contribution claims based on the defendants allegedly having caused or failed to prevent the securities violations alleged in the securities class action. In addition, the complaint asserts a claim under Section 14(a) of the Exchange Act, alleging that Berry's 2022 Proxy Statement was false and misleading in that it suggested the Company's internal controls were sufficient and the board of directors was adequately overseeing material risks facing the Company when, according to the derivative plaintiff, that was not the case. The defendants believe the claims in the shareholder derivative action are without merit and intend to defend vigorously against them, but there can be no assurances as to the outcome. At this time, we are unable to estimate the probability or the amount of liability, if any, related to this matter.

Other Commitments

In the ordinary course of our business, we enter into certain firm commitments to secure transportation of our production and third-party natural gas to market as well as processing which require a minimum monthly charge regardless of whether the contracted capacity is used or not. At December 31, 2022, future net minimum payments for non-cancelable purchase obligations (excluding oil and natural gas and other mineral leases, utilities, taxes and insurance expense) were as follows:

	2023	2024	2025	2026	2027	Thereafter	Total
	(in thousands)						
Processing and transportation contracts ⁽¹⁾	\$ 11,343	\$ 9,553	\$ 8,234	\$ 8,082	\$ 8,083	\$ 43,521	\$ 88,816
Drilling commitment ⁽²⁾	8,400	8,700	—	—	—	—	17,100
Total	\$ 19,743	\$ 18,253	\$ 8,234	\$ 8,082	\$ 8,083	\$ 43,521	\$ 105,916

(1) Amounts include payments which will become due under long-term agreements to purchase goods and services used in the normal course of business to secure pipeline transportation of natural gas to market and between markets, as well as gathering and processing of natural gas.

BERRY CORPORATION (bry)
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

- (2) Amounts include a drilling commitment in California, for which we are required to drill 57 wells with an estimated cost and minimum commitment of \$17.1 million by June 2024. In November 2022, the drilling commitment was revised to require 28 of those wells to be drilled by October 2023, with a minimum commitment of \$8.4 million.

Note 6—Stockholders' Equity

Cash Dividends

Our Board of Directors approved quarterly fixed cash dividends totaling \$0.24 per share in 2022, as well as variable cash dividends of \$1.10 per share, which were based on the results in 2022, for a total of \$1.34 per share. In February 2023, our Board of Directors approved a fixed cash dividend of \$0.06 per share, as well as, the variable cash dividend of \$0.44 per share based on the fourth quarter of 2022 results.

For the year ended December 31, 2022, December 31, 2021, December 31, 2020 we paid approximately \$109 million, \$11 million and \$19 million, respectively, in cash dividends on our common stock.

The Company anticipates that it will continue to pay quarterly cash dividend in the future. However, the payment and amount of future dividends remain within the discretion of the Board and will depend upon the Company's future earnings, financial condition, capital requirements, and other factors.

Common Stock

On March 1, 2022, our Board of Directors approved the 2022 Omnibus Incentive Plan (the "2022 Omnibus Plan"), which was subsequently approved by stockholders on May 25, 2022. The plan authorized the issuance of 2,300,000 shares of common stock. The maximum number of shares remaining that may be issued is 1,573,402 as of December 31, 2022, which is the total number of shares of our common stock remaining available for issuance after counting the number of securities to be issued upon vesting of outstanding RSU and PSU awards, and counting PSUs at the maximum payout level. Shares reserved at maximum payout that do not vest at maximum are made available for future grants.

On June 27, 2018, our board of directors adopted the second amended and restated 2017 Omnibus Incentive Plan ("2017 Omnibus Plan"), as amended and restated (our "Restated Incentive Plan"). This plan constitutes an amendment and restatement of the plan (the "Prior Plan") as in effect immediately prior to the adoption of the Restated Incentive Plan. The Prior Plan constituted an amendment and restatement of the plan originally adopted as of June 15, 2017 (the "2017 Omnibus Plan"). The Restated Incentive Plan provides for the grant, from time to time, at the discretion of the board of directors or a committee thereof, of stock options, stock appreciation rights ("SARs"), restricted stock, restricted stock units, stock awards, dividend equivalents, other stock-based awards, cash awards and substitute awards. The maximum number of shares of common stock that may be issued pursuant to an award under the Restated Incentive Plan is 10,000,000 inclusive of the number of shares of common stock previously issued pursuant to awards granted under the Prior Plan or the 2017 Plan.

Voting Rights. Each share of common stock is entitled to one vote with respect to each matter on which holders of common stock are entitled to vote. Holders of common stock do not have cumulative voting rights.

Dividend Rights. Holders of common stock will be entitled to receive dividends, if any, as may be declared from time to time by our board of directors (the "Board") out of legally available funds.

Liquidation Rights. Upon liquidation, dissolution or winding up of the Company, holders of our common stock will be entitled to share ratably in the assets of the Company that are legally available for distribution to holders of our common stock after payment of the Company's debts and other liabilities.

Preemptive and Conversion Rights. Holders of common stock have no preemptive, conversion or other rights to subscribe for additional shares.

BERRY CORPORATION (bry)
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

Registration Rights Agreement

On June 28, 2018, Berry Corp. entered into an amended and restated registration rights agreement (the “Registration Rights Agreement”) with certain holders of our Common Stock and Preferred Stock in connection with our IPO.

In accordance with the Registration Rights Agreement, Berry Corp. filed a shelf registration statement with the SEC on December 10, 2018, which was declared effective on December 13, 2018. The shelf registration statement registered the resale, on a delayed or continuous basis, of all Registrable Securities that have been timely designated for inclusion by specified Holders (as defined in the Registration Rights Agreement). Generally, “Registrable Securities” includes (i) common stock and preferred stock issued by Berry Corp. in connection with the IPO to stockholders party to the Registration Rights Agreement, and (ii) preferred stock that was purchased by the participants in the rights offering noted above and (iii) common stock into which the preferred stock converts, except that “Registrable Securities” does not include securities that have been sold under an effective registration statement or Rule 144 under the Securities Act. The Registration Rights Agreement will terminate when there are no longer any Registrable Securities outstanding.

Shares Outstanding

As of December 31, 2022, there were 75,767,503 shares of common stock outstanding. Up to an additional 8,110,302 shares were issuable for unvested restricted stock units and performance restricted stock units (assuming maximum achievement of performance goals) under the Company's 2022 Omnibus Incentive Plan as of December 31, 2022.

Repurchase Program

For the year ended December 31, 2022, we repurchased 5 million shares for approximately \$51 million. As of December 31, 2022, the Company had repurchased a total of 10,528,704 shares under the stock repurchase program for approximately \$104 million in aggregate. As previously disclosed, the Company implemented a shareholder return model in early 2022, for which the Company intends to allocate a portion of Adjusted Free Cash Flow to opportunistic share repurchases.

In April 2022, our Board of Directors approved an increase of \$102 million to the Company's stock repurchase authorization bringing the Company's remaining share repurchase authority to \$150 million. As of December 31, 2022, the Company's remaining total share repurchase authority is \$98 million, after the repurchases made in the second, third, and fourth quarters of 2022. In February 2023, the Board of Directors approved an increase of \$102 million to the Company's stock repurchase authorization bringing the Company's remaining share authority to \$200 million. The Board's authorization permits the Company to make purchases of its common stock from time to time in the open market and in privately negotiated transactions, subject to market conditions and other factors, up to the aggregate amount authorized by the Board. The Board's authorization has no expiration date.

We repurchased approximately \$2 million of shares in 2021 and none in 2020.

Repurchases may be made from time to time in the open market, in privately negotiated transactions or by other means, as determined in the Company's sole discretion. The manner, timing and amount of any purchases will be determined based on our evaluation of market conditions, stock price, compliance with outstanding agreements and other factors, may be commenced or suspended at any time without notice and does not obligate the company to purchase shares during any period or at all. Any shares repurchased are reflected as treasury stock and any shares acquired will be available for general corporate purposes.

BERRY CORPORATION (bry)
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

Stock-Based Compensation

The Company has awarded restricted stock units (“RSUs”) that are solely time-based awards and performance-based restricted stock units (“PSUs”) that include (i) awards with a market objective measured against both absolute total stockholder return (“Absolute TSR”) and a relative total stockholder return (“Relative TSR”) (the “TSR PSUs”) over the performance period and (ii) awards based on the Company’s average cash returned on invested capital (“CROIC PSUs”) over the performance period. Depending on the results achieved during the three-year performance period, the actual number of shares that a grant recipient receives at the end of the period may range from 0% to 250% of the TSR PSUs granted in 2022 and 2021, 0% to 200% of the TSR PSUs granted in 2020, 0% to 200% of the CROIC PSUs granted in 2022 and 2021, and 0% to 200% of the ROIC PSUs granted in 2022. No CROIC PSUs were granted prior to 2021 and no ROIC PSUs were granted prior to 2022.

The fair value of the RSUs, CROIC PSUs and ROIC PSUs was determined using the grant date stock price. The fair value of the TSR PSUs was determined using a Monte Carlo simulation analysis to estimate the total shareholder return ranking of the Company, including a comparison against the peer group over the performance periods. The expected volatility of the Company’s common stock at the date of grant was estimated based on average volatility rates for the Company and selected guideline public companies. The dividend yield assumption was based on the then current annualized declared dividend. The risk-free interest rate assumption was based on observed interest rates consistent with the three-year performance measurement period.

The PSUs awarded in February 2022 were accounted for as liability awards in the first quarter of 2022, but were converted to equity awards during the second quarter of 2022 due to the approval of the 2022 Omnibus Plan by the stockholders in May 2022.

For the years ended December 31, 2022, 2021, and 2020 the stock-based compensation expense was approximately \$18 million, \$14 million, and \$15 million, respectively. For the year ended December 31, 2022, the income tax benefit was \$2 million. For the years ended December 31 2021 and 2020 the stock-based compensation income tax benefit was not material.

The table below summarizes the activity relating to RSUs issued under the Restated Incentive Plan during the year ended December 31, 2022. The RSUs vest ratably over three years. Unrecognized compensation cost associated with the RSUs at December 31, 2022 was approximately \$10 million which will be recognized over a weighted-average period of approximately two years.

	Number of shares	Weighted-average Grant Date Fair Value
	(shares in thousands)	
Non-vested at December 31, 2021	2,580	\$ 5.67
Granted	1,317	\$ 8.92
Vested	(1,145)	\$ 6.36
Forfeited	(233)	\$ 6.97
Non-vested at December 31, 2022	<u>2,519</u>	<u>\$ 6.94</u>

The table below summarizes the activity relating to the PSUs issued under the Revised Incentive Plan during the year ended December 31, 2022. Unrecognized compensation cost associated with the PSUs at December 31, 2022 is approximately \$8 million which will be recognized over a weighted-average period of approximately two years.

BERRY CORPORATION (bry)
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

	Number of shares	Weighted-average Grant Date Fair Value
	(shares in thousands)	
Non-vested at December 31, 2021	2,085	\$ 11.00
Granted	611	\$ 12.03
Vested	(36)	\$ 12.75
Forfeited	(59)	\$ 12.51
Non-vested at December 31, 2022	<u>2,601</u>	\$ 11.18

Note 7—Defined Contribution Plan

We sponsor a defined contribution retirement plan under section 401(k) of the Internal Revenue Code to assist all full-time employees in providing for retirement or other future financial needs. Employees are eligible to participate in the 401(k) plan on their date of hire. The 401(k) plan provided for a matching contribution of up to 6% of an employee's eligible compensation until June 2020 when the Company temporarily suspended matching due to COVID-19. As of January 2021, the Company reinstated the Plan's matching contributions to 100% of the first 3% of compensation deferred by the participant. As of July 2021, the Company increased the Plan's matching contributions to 100% of the first 6% of compensation deferred by the participant.

We expensed approximately \$6.2 million, \$1.6 million, and \$1.0 million for the years ended December 31, 2022, 2021, and 2020, respectively, under the provisions of the 401(k) plan.

Note 8—Income Taxes

The change in our effective rate from (10.0)% in the year ended December 31, 2021 to (20.4)% for the year ended December 31, 2022 is primarily due to recognition of U.S. federal general business credits in 2022 related to the 2021 tax period and release of the valuation allowance. The credits are available to offset future federal income tax liabilities. The change in our effective rate from 2.8% in the year ended December 31, 2020 to (10.0)% for the year ended December 31, 2021 is primarily due to nondeductible stock compensation, adjustments to our tax credit carryforward balances and changes in the valuation allowance.

BERRY CORPORATION (bry)
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

Income tax expense (benefit) consisted of the following:

	Year Ended December 31,		
	2022	2021	2020
	(in thousands)		
Current taxes:			
Federal	\$ 642	\$ —	\$ —
State	1,597	581	828
Total current taxes	2,239	581	828
Deferred taxes:			
Federal	(44,053)	832	2,653
State	(622)	—	(10,699)
Total deferred taxes	(44,675)	832	(8,046)
Total current and deferred taxes	<u>\$ (42,436)</u>	<u>\$ 1,413</u>	<u>\$ (7,218)</u>

A reconciliation of the federal statutory tax rate to the effective tax rate is as follows:

	Year Ended December 31,		
	2022	2021	2020
Federal statutory rate	21.0 %	21.0 %	21.0 %
State, net of federal tax benefit	6.2 %	3.7 %	6.3 %
Nondeductible compensation	1.8 %	(24.5)%	— %
Effect of permanent differences	(0.3)%	(4.7)%	(0.6)%
Tax credits - Prior Year	(11.5)%	(29.5)%	4.9 %
Tax credits - Current Year	— %	21.5 %	1.1 %
State return to provision	(0.3)%	(0.2)%	(1.1)%
Change in valuation allowance	(37.3)%	2.7 %	(28.8)%
Effective tax rate	<u>(20.4)%</u>	<u>(10.0)%</u>	<u>2.8 %</u>

BERRY CORPORATION (bry)
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

Significant components of the deferred tax assets and liabilities are as follows:

	Year Ended December 31,	
	2022	2021
(in thousands)		
Deferred tax assets:		
Net operating loss carryforwards	\$ 22,402	\$ 40,846
Accruals	10,728	11,731
Asset retirement obligations	48,994	44,437
Derivative instruments	2,280	12,776
Tax credits	88,908	61,044
Other	2,882	3,551
Subtotal	176,194	174,385
Valuation allowance	—	(77,546)
Total deferred tax assets	176,194	96,839
Deferred tax liabilities:		
Book tax differences in property basis	(133,350)	(98,670)
Total deferred tax liabilities	(133,350)	(98,670)
Net deferred tax asset (liability)	\$ 42,844	\$ (1,831)

As of December 31, 2022, the Company had approximately \$107 million of federal net operating loss (“NOL”) carryforwards and no state net operating loss carryforwards. The federal net operating loss carryovers have no expiration date. In addition, as of December 31, 2022, the Company had US federal general business tax credit carryforwards totaling \$82 million and state tax credits of \$8 million (\$7 million net of federal benefit), which, if unused, will expire after taxable years ended 2037 and 2033, respectively.

In recording deferred income tax assets, we consider whether it is more likely than not that some portion or all of the deferred income tax assets will be realized. The ultimate realization of deferred income tax assets is dependent upon the generation of future taxable income of the appropriate character during the periods in which those deferred income tax assets would be deductible. We consider the scheduled reversal of deferred income tax liabilities and projected future income for this determination. As of December 31, 2022, due to the positive evidence of current year income, fair value of proved reserves and related future income projections, commodity price forecasts based on published market quotes, and the reversal of existing federal and state temporary differences, and based on the preponderance of that evidence, we determined there is sufficient positive evidence to conclude that it is more likely than not that our deferred tax assets are realizable. Therefore, we have fully released the valuation allowance in 2022, resulting in an income tax benefit of \$78 million. We previously recorded a valuation allowance on our deferred tax assets for the year ended December 31, 2021 in the amount of \$78 million.

We had no material uncertain tax positions at December 31, 2022 or 2021. We do not believe that the total unrecognized benefits will significantly increase within the next 12 months.

We are subject to taxation in the United States and various state jurisdictions. We are not currently under audit by any federal or state income tax authority. The 2019 through 2022 federal and 2018 through 2022 state tax years generally remain open to examination under the respective statute of limitations.

BERRY CORPORATION (bry)
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

Note 9—Supplemental Disclosures to the Balance Sheets and Statements of Cash Flows

Other current assets reported on the consolidated balance sheets included the following:

	Year Ended December 31,	
	2022	2021
	(in thousands)	
Prepaid expenses	\$ 12,330	\$ 26,840
Materials and supplies	8,976	9,533
Prepaid deposits	7,266	6,415
Oil inventories	4,036	2,933
Other	1,117	225
Total other current assets	<u>\$ 33,725</u>	<u>\$ 45,946</u>

Other non-current assets at December 31, 2022 included approximately \$6 million of operating lease right-of-use assets, net of amortization and \$4 million of deferred financing costs, net of amortization. At December 31, 2021 other non-current assets included approximately \$5 million of deferred financing costs, net of amortization.

Accounts payable and accrued expenses on the consolidated balance sheets included the following:

	Year Ended December 31,	
	2022	2021
	(in thousands)	
Accounts payable - trade	\$ 40,286	\$ 17,699
Accrued expenses	85,360	62,962
Royalties payable	38,264	24,816
Greenhouse gas liability - current portion	—	7,513
Taxes other than income tax liability	6,640	8,273
Accrued interest	10,885	10,736
Dividends payable	—	4,800
Asset retirement obligation - current portion	20,000	20,000
Operating lease liability	1,666	—
Other	—	725
Total accounts payable and accrued expenses	<u>\$ 203,101</u>	<u>\$ 157,524</u>

At December 31, 2022 other non-current liabilities included approximately \$23 million non-current greenhouse gas liability, which is due 2024, and \$5 million of non-current operating lease liability. At December 31, 2021 we had \$18 million non-current greenhouse gas liability, which is due in 2024.

Supplemental Information on the Statement of Operations

For the years ended December 31, 2022, 2021, and 2020 other operating expenses were \$4 million, \$3 million, and \$6 million respectively. For the year ended December 31, 2022, other operating expenses mainly consisted of approximately \$2 million in royalty audit charges incurred prior to our emergence and restructuring in 2017, and approximately \$2 million loss on the divestiture of the Piceance properties. For the year ended December 31, 2021, other operating expenses mainly consisted of expensing \$3 million of unamortized debt issuance costs related to the 2017 RBL facility, approximately \$3 million of supplemental property tax assessments, royalty audit charges and tank rental costs, and \$2 million of various other costs such as excess abandonment costs and legal fees, partially

BERRY CORPORATION (bry)
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

offset by approximately \$2 million on gain on the sale of properties and over \$2 million of income from employee retention credits. For the year ended December 31, 2020, other operating expenses included of \$3 million of excess abandonment costs, \$2 million of oil tank storage fees, and \$1 million of drilling rig standby charges.

Supplemental Cash Flow Information

Supplemental disclosures to the consolidated statements of cash flows are presented below:

	Year Ended December 31,		
	2022	2021	2020
	(in thousands)		
Supplemental Disclosures of Significant Non-Cash Operating Activities:			
Greenhouse gas liability - reclassification from current liability to long-term	\$ 8,000	\$ —	\$ —
Greenhouse gas liability - reclassification from long-term to current liability	\$ —	\$ —	\$ 33,376
Supplemental Disclosures of Significant Non-Cash Investing Activities:			
Material inventory transfers to oil and natural gas properties	\$ 2,707	\$ 3,424	\$ 1,596
Supplemental Disclosures of Cash Payments (Receipts):			
Interest, net of amounts capitalized	\$ 29,792	\$ 29,211	\$ 29,962
Income taxes payments	\$ 3,633	\$ 699	\$ 222

Note 10—Acquisitions and Divestitures

2022

Piceance Divestiture

In January 2022, we completed the divestiture of all of our natural gas properties in Colorado, which were in the Piceance basin. The divestiture closed with a loss of approximately \$2 million. Our 2021 production from these properties was 1.2 mboe/d.

Antelope Creek Acquisition

In February 2022, we completed the acquisition of oil and gas producing assets in the Antelope Creek area of Utah for approximately \$18 million. These assets are adjacent to our existing Uinta assets and prior to our acquisition produced approximately 0.6 mboe/d.

Purchases of Various Oil and Gas Properties

During 2022, we also acquired various oil and gas properties, most of which consisted of unproved properties for approximately \$8 million in aggregate.

2021

C&J Well Services Acquisition

On October 1, 2021, we acquired one of the largest well servicing and abandonment businesses in California, which operates as CJWS. The purchase price was \$53 million, including closing adjustments mainly related to

BERRY CORPORATION (bry)
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

working capital, which we funded with cash on hand of \$51 million in 2021 and \$2 million in 2022. The CJWS transaction costs were approximately \$3 million. The acquired business activities are owned and operated by C&J Well Services, a wholly-owned subsidiary of Berry Corp. formed for the purposes of acquiring these businesses and establishing an independent well services and abandonment company.

The CJWS transaction was accounted for as a business combination under the acquisition method of accounting. When determining the fair values of assets acquired and liabilities assumed, management made significant estimates, judgments and assumptions. The assets acquired and liabilities assumed are included in the well servicing and abandonment segment.

The unaudited pro forma information presented below has been prepared to give effect to the CJWS acquisition as if it had occurred at the beginning of the periods presented. The unaudited pro forma information includes the effects from the allocation of the acquisition purchase price on depreciation and amortization as well as the CJWS acquisition costs charged to earnings during the 2021 period. The unaudited pro forma information is presented for illustration purposes only and is based on estimates and assumptions the Company deemed appropriate. The following unaudited pro forma information is not necessarily indicative of the results that would have been achieved if the CJWS acquisition had occurred in the past, and should not be relied upon as an indication of the operating results that the Company would have achieved if the acquisition had occurred at the beginning of the periods presented, and our operating results, or the future results.

	Pro Forma			
	Year Ended December 31,			
	2021		2020	
	(unaudited)			
	(in thousands)			
Revenue	\$	664,549	\$	657,796
Net income (loss)	\$	740	\$	(250,884)

Placerita Divestiture

In October 2021, our E&P segment completed the sale of our Placerita Field property in the Ventura Basin in Los Angeles County, California for approximately \$14 million. We recorded a gain on the sale of approximately \$2 million in 2021.

2020

In May 2020, we acquired approximately 740 net acres in the North Midway Sunset Field for approximately \$5 million. We paid \$2 million at closing and the remaining \$3 million was paid following our first production from this property, in the fourth quarter 2020. This property is adjacent to, and extends, our existing producing area and we have identified numerous future drilling locations. We believe additional opportunities exist in other productive reservoirs of this property. We also acquired all existing idle wells on this property, some of which we plan to return to production in the near future as price and strategy dictate. We will plug and abandon the remaining idle wells pursuant to our California idle well management plan. We recorded a \$6 million liability for asset retirement obligations of the existing wells on this property.

We also acquired approximately 267 acres in McKittrick Field which will allow us to continue development of the 21Z mineral fee and leases without requiring written approval from a third party surface fee owner for infrastructure on or across the surface fee property. The purchase price was not material.

BERRY CORPORATION (bry)
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

Note 11—Earnings Per Share

We calculate basic earnings (loss) per share by dividing net income (loss) by the weighted-average number of common shares outstanding for each period presented. Common shares issuable upon the satisfaction of certain conditions pursuant to a contractual agreement, are considered common shares outstanding and are included in the computation of net earnings (loss) per share.

The RSUs and PSUs are not a participating security as the dividends are forfeitable. For the year ended December 31, 2022, 4,069,000 incremental RSU and PSU shares were included in the diluted EPS calculation. For the years ended December 2021 and 2020, no incremental RSU or PSU shares were included in the diluted EPS calculation as their effect was anti-dilutive under the “if-converted” method.

	Year Ended December 31,		
	2022	2021	2020
(in thousands except per share amounts)			
Basic EPS calculation			
Net income (loss)	\$ 250,168	\$ (15,542)	\$ (262,895)
Weighted-average shares of common stock outstanding	78,517	80,209	79,802
Basic income (loss) per share	\$ 3.19	\$ (0.19)	\$ (3.29)
Diluted EPS calculation			
Net income (loss)	\$ 250,168	\$ (15,542)	\$ (262,895)
Weighted-average shares of common stock outstanding	78,517	80,209	79,802
Dilutive effect of potentially dilutive securities ⁽¹⁾	4,069	—	—
Weighted-average common shares outstanding - diluted	82,586	80,209	79,802
Diluted income (loss) per share	\$ 3.03	\$ (0.19)	\$ (3.29)

(1) We excluded 3.3 million and 0.1 million of combined RSUs and PSUs from the diluted weighted-average common shares outstanding because their effect was anti-dilutive for the years ended December 31, 2021 and 2020, respectively.

Note 12—Revenue Recognition

We account for revenue in accordance with the Accounting Standards Codification (“ASC”) 606, Revenue from Contracts with Customers, using the modified retrospective method.

The performance obligations that are unsatisfied at the end of a reporting period relate solely to future volumes that we have yet to sell. As such, these are wholly unsatisfied performance obligations as each unit of product represents a separate performance obligation as well as a wholly unsatisfied promise to transfer a distinct good that forms part of a single performance obligation.

We derive revenue from sales of oil, natural gas and natural gas liquids (“NGL”), with the remaining revenue generated from sales of electricity and marketing activities. Effective October 1, 2021, we completed the acquisition of CJWS, a well servicing and abandonment business. Revenue from CJWS is primarily generated from well servicing and abandonment business.

The following is a description of our principal activities from which we generate revenue. Revenues are recognized when a customer obtains control of promised goods or services, in an amount that reflects the consideration we expect to receive in exchange for those goods or services.

BERRY CORPORATION (bry)
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

Oil, Natural Gas and NGLs

We recognize revenue from the sale of our oil, natural gas and NGL production when delivery has occurred and control passes to the customer. Our oil and natural gas contracts are short term, typically less than a year and our NGL contracts are both short and long term. We consider our performance obligations to be satisfied upon transfer of control of the commodity. Our commodity sales contracts are indexed to a market price or an average index price. We recognize revenue in the amount that we expect to receive once we are able to adequately estimate the consideration (i.e., when market prices are known or estimated). Our contracts with customers typically require payment within 30 days following invoicing.

Service Revenue

We recognize service revenue from the well servicing and abandonment business upon delivery of the service to the customer. These services are consumed by our customers when they are provided on their sites. Revenue is recognized as performance obligations have been completed on a daily basis, when all of the proper customer approvals are obtained. We do not have any long-term service contracts; nor do we have revenue expected to be recognized in any future year related to remaining performance obligations or contracts with variable consideration related to undelivered performance obligations. Our contracts with customers typically require payment within 30-60 days following invoicing.

Electricity Sales

The electrical output of our cogeneration facilities that is not used in our operations is sold to the California market based on market pricing, which includes capacity payments. The portion sold from our cogeneration facilities is sold under contracts to California utility companies, based on the market pricing. Revenue is recognized over time when obligations under the terms of a contract with our customer are satisfied; generally, this occurs upon delivery of the electricity. Revenue is measured as the amount of consideration we expect to receive based on average index pricing with payment due the month following delivery. Capacity payments are based on a fixed annual amount per kilowatt hour and monthly rates vary based on seasonality, which is consistent with how we earn the capacity payment. Capacity payments are settled monthly. We consider our performance obligations to be satisfied upon delivery of electricity or as the contracted amount of energy is made available to the customer in the case of capacity payments. We report electricity revenue as electricity sales on our consolidated statements of operations.

Marketing Revenue

Marketing revenue primarily includes our activities associated with transporting and marketing third-party volumes. These sales are made under the same agreements with the same purchaser as our natural gas sales discussed above. We consider our performance obligations to be satisfied upon transfer of control of the commodity. Revenues are presented excluding costs incurred prior to transferring control of these volumes to the customer, or the costs to purchase these volumes when we are acting as the principal. The revenues and expenses related to the sale and purchase of third-party volumes are presented separately as marketing revenue and marketing expenses on the consolidated statements of operations. In January 2022, we sold our Piceance Colorado operations, which included third-party marketing activities. Historically, these activities accounted for nearly all of our marketing revenues.

BERRY CORPORATION (bry)
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

Disaggregated Revenue

As a result of adoption of this standard, we are now required to disclose the following information regarding revenue from contracts with customers on a disaggregated basis.

	Year Ended December 31,		
	2022	2021	2020
	(in thousands)		
Oil sales	\$ 806,631	\$ 587,613	\$ 362,976
Natural gas sales	29,515	32,679	14,041
Natural gas liquids sales	6,303	5,183	1,646
Service revenue	181,400	35,840	—
Electricity sales	30,833	35,636	25,813
Marketing revenues	289	3,921	1,426
Other revenues	479	477	150
Revenues from contracts with customers	1,055,450	701,349	406,052
(Losses) gains on oil and gas sales derivatives	(137,109)	(156,399)	117,781
Total revenues and other	<u>\$ 918,341</u>	<u>\$ 544,950</u>	<u>\$ 523,833</u>

Note 13—Segment Information

As of October 1, 2021, we have operated in two business segments: (i) E&P and (ii) well servicing and abandonment. The E&P segment is engaged in the development and production of onshore, low geologic risk, long-lived conventional oil reserves primarily located in California, as well as Utah. On October 1, 2021, we completed the acquisition of an upstream well servicing and abandonment businesses in California, which became a reportable segment (wells servicing and abandonment) under U.S. GAAP. Prior to October 1, 2021, we did not have more than one reportable segment, thus no prior period segment information has been presented.

The well servicing and abandonment segment occasionally provides services to our E&P segment, as such, we recorded an intercompany elimination of \$3 million in revenue and expense during consolidation. The intercompany elimination in 2021 was immaterial.

BERRY CORPORATION (bry)
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

The following table represents selected financial information for the periods presented regarding the Company's business segments on a stand-alone basis and the consolidation and elimination entries necessary to arrive at the financial information for the Company on a consolidated basis.

	Year Ended December 31, 2022			
	E&P	Well Servicing and Abandonment	Corporate/ Eliminations	Consolidated Company
	(in thousands)			
Revenues ⁽¹⁾	\$ 874,190	\$ 184,448	\$ (3,188)	\$ 1,055,450
Net income (loss) before income taxes	\$ 303,178	\$ 14,747	\$ (110,193)	\$ 207,732
Adjusted EBITDA	\$ 411,811	\$ 26,113	\$ (57,976)	\$ 379,948
Capital expenditures	\$ 141,930	\$ 8,455	\$ 2,536	\$ 152,921
Total assets	\$ 1,563,251	\$ 83,461	\$ (15,682)	\$ 1,631,030

	Year Ended December 31, 2021			
	E&P	Well Servicing and Abandonment	Corporate/ Eliminations	Consolidated Company
	(in thousands)			
Revenues ⁽¹⁾	\$ 665,509	\$ 35,840	\$ —	\$ 701,349
Net income (loss) before income taxes	\$ 82,826	\$ 1	\$ (96,956)	\$ (14,129)
Adjusted EBITDA	\$ 251,146	\$ 4,310	\$ (43,310)	\$ 212,146
Capital expenditures	\$ 129,479	\$ 1,029	\$ 2,211	\$ 132,719
Total assets	\$ 1,450,157	\$ 81,093	\$ (74,771)	\$ 1,456,479

(1) These revenues do not include hedge settlements.

Adjusted EBITDA is the measure reported to the chief operating decision maker (CODM) for purposes of making decisions about allocating resources to and assessing performance of each segment. Adjusted EBITDA is calculated as earnings before interest expense; income taxes; depreciation, depletion, and amortization; derivative gains or losses net of cash received or paid for scheduled derivative settlements; impairments; stock compensation expense; and unusual and infrequent items.

BERRY CORPORATION (bry)
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

	Year Ended December 31, 2022			
	E&P	Well Servicing and Abandonment	Corporate/ Eliminations	Consolidated Company
(in thousands)				
Adjusted EBITDA reconciliation to net income (loss):				
Net income (loss)	\$ 303,178	\$ 14,747	\$ (67,757)	\$ 250,168
Add (Subtract):				
Interest expense	—	23	30,894	30,917
Income tax benefit	—	—	(42,436)	(42,436)
Depreciation, depletion, and amortization	139,886	12,548	4,413	156,847
Losses on derivatives	48,314	—	—	48,314
Net cash paid for scheduled derivative settlements	(88,023)	—	—	(88,023)
Other operating expenses (income)	3,827	(1,690)	1,585	3,722
Stock compensation expense	1,361	287	15,325	16,973
Non-recurring costs ⁽¹⁾	3,268	198	—	3,466
Adjusted EBITDA	\$ 411,811	\$ 26,113	\$ (57,976)	\$ 379,948

(1) Non-recurring costs include legal and professional service expenses related to acquisition and divestiture activity for the first quarter of 2022 and the executive transition costs in the fourth quarter of 2022.

	Year Ended December 31, 2021			
	E&P	Well Servicing and Abandonment	Corporate/ Eliminations	Consolidated Company
(in thousands)				
Adjusted EBITDA reconciliation to net income (loss):				
Net income (loss)	\$ 82,825	\$ 1	\$ (98,368)	\$ (15,542)
Add (Subtract):				
Interest expense	—	—	31,964	31,964
Income tax expense	—	—	1,413	1,413
Depreciation, depletion, and amortization	136,915	2,974	4,606	144,495
Losses on derivatives	117,822	—	—	117,822
Net cash paid for scheduled derivative settlements	(87,625)	—	—	(87,625)
Other operating expenses	109	—	2,992	3,101
Stock compensation expense	1,100	—	12,683	13,783
Non-recurring costs ⁽¹⁾	—	1,335	1,400	2,735
Adjusted EBITDA	\$ 251,146	\$ 4,310	\$ (43,310)	\$ 212,146

(1) Non-recurring costs include legal and professional service expenses related to acquisition and divestiture activity for the fourth quarter of 2021.

BERRY CORPORATION (bry)
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

Note 14—Leases

In the first quarter of 2022, we adopted ASC 842, Leases using the modified retrospective approach that requires us to determine our lease balances as of the date of adoption. Prior periods continue to be reported under accounting standards in effect for those periods.

The Company determines if an arrangement is a lease at inception of the contract. If an arrangement is a lease, the present value of the related lease payments is recorded as a liability and an equal amount is capitalized as a right of use asset on the Company's balance sheet. Right of use assets represent the Company's right to use an underlying asset for the lease term and lease liabilities represent the Company's obligation to make lease payments arising from the lease. We have long-term operating leases generally for offices. The Company's estimated incremental borrowing rate, determined at the lease commencement date using the Company's average secured borrowing rate, is used to calculate present value.

Leases with an initial term of 12 months or less are not recorded on the balance sheet and the Company recognizes lease expense for these leases on a straight-line basis over the lease term.

The components of lease expense are as follows:

	Year Ended December 31, 2022
	(in thousands)
Lease Cost	
Operating lease cost	\$ 1,992
Total net lease cost	\$ 1,992

The following table presents the consolidated balance sheet information related to leases as of December 31, 2022.

	As of December 31, 2022	Balance Sheet Classification
	(in thousands)	
Leases		
Assets		
Operating lease assets	\$ 6,325	Other noncurrent assets
Total assets	\$ 6,325	
Liabilities		
Operating lease liability	\$ 1,666	Accounts payable and accrued expenses
Operating lease noncurrent liability	5,213	Other noncurrent liabilities
Total liabilities	\$ 6,879	

BERRY CORPORATION (bry)
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)

	As of December 31, 2022
Long-Term and Discount Rate	
Weighted-average remaining lease term:	
Operating Lease	4.3 years
Weighted-average discount rate:	
Operating Lease	5 %

The following table presents a schedule of future minimum lease payments required under all operating lease agreements as of December 31, 2022.

	As of December 31, 2022	
	Operating Leases	
	(in thousands)	
2023	\$	1,963
2024		1,650
2025		1,542
2026		1,549
2027		935
Total lease payments		7,639
Less imputed interest		(760)
Total lease obligations		6,879
Less current obligations		(1,666)
Long-term lease obligations	\$	5,213

Supplemental consolidated statement of cash flow information related to leases is as follows:

	Year Ended December 31, 2022	
	(in thousands)	
Cash paid for amounts included in the measurement of lease liabilities		
Operating cash flows from operating leases	\$	2,128
ROU assets obtained in exchange for operating lease liabilities		
	\$	7,956

BERRY CORPORATION (bry)
SUPPLEMENTAL OIL & NATURAL GAS DATA
(Unaudited)

The following should be read in conjunction with our Consolidated Financial Statements and Notes to Consolidated Financial Statements.

Costs Incurred in Oil and Natural Gas Property Acquisition, Exploration and Development Activities

Costs incurred in oil and natural gas property acquisition, exploration and development, whether capitalized or expensed, are presented below:

	Year Ended December 31,		
	2022	2021	2020
	(in thousands)		
Property acquisition costs:			
Proved ⁽¹⁾	\$ 28,144	\$ 1,256	\$ 11,597
Unproved	—	—	—
Exploration costs	—	—	—
Development costs ⁽²⁾	148,465	153,821	96,971
Total costs incurred	\$ 176,609	\$ 155,077	\$ 108,568

- (1) Included in proved property acquisition costs for the year ended December 31, 2022, 2021 and 2020 are non-cash additions related to the estimated future asset retirement obligations of the Company's oil and gas properties of \$2.2 million, \$0.4 million and \$5.7 million, respectively.
- (2) Included in development costs for the year ended December 31, 2022, 2021 and 2020 are non-cash additions related to the estimated future asset retirement obligations of the Company's oil and gas properties of \$22.3 million, \$32.5 million and \$10.2 million, respectively.

Oil and Natural Gas Capitalized Costs

Aggregate capitalized costs related to oil, natural gas and NGL production activities, support equipment and facilities, and natural gas plants and pipelines with applicable accumulated depreciation, depletion and amortization are presented below:

	Year Ended December 31,	
	2022	2021
	(in thousands)	
Proved properties	\$ 1,545,056	\$ 1,308,378
Unproved properties	248,073	291,514
Total proved and unproved properties	1,793,129	1,599,892
Less accumulated depreciation, depletion and amortization	(500,578)	(356,509)
Net capitalized costs	\$ 1,292,551	\$ 1,243,383

BERRY CORPORATION (bry)
SUPPLEMENTAL OIL & NATURAL GAS DATA (Continued)
(Unaudited)

Results of Oil and Natural Gas Producing Activities

The results of operations for oil, natural gas and NGL producing activities (excluding items such as corporate overhead, interest costs and reorganization items, net) are presented below:

	Year Ended December 31,		
	2022	2021	2020
	(in thousands)		
Net revenues from production:			
Oil, natural gas and NGL sales	\$ 842,449	\$ 625,475	\$ 378,663
Electricity sales	30,833	35,636	25,813
Other production-related revenue	601	4,245	1,431
Total net revenues from production ⁽¹⁾	<u>873,883</u>	<u>665,356</u>	<u>405,907</u>
Operating costs for production:			
Lease operating expenses	302,321	236,048	186,348
Electricity generation expenses	21,839	23,148	16,608
Transportation expenses	4,564	6,897	6,938
Production-related general and administrative expenses	962	1,338	1,766
Taxes, other than income taxes	39,145	46,278	34,987
Other production-related costs	299	3,811	1,380
Total operating costs for production	<u>369,130</u>	<u>317,520</u>	<u>248,027</u>
Other costs:			
Depreciation, depletion and amortization	141,022	137,991	135,361
Impairment of long-lived assets	—	—	289,085
Other operating expenses	734	2,353	5,673
Total other costs	<u>141,756</u>	<u>140,344</u>	<u>430,119</u>
Pretax income (loss)	<u>362,997</u>	<u>207,492</u>	<u>(272,239)</u>
Income tax expense (benefit)	74,295	57,117	(83,467)
Results of operations	<u>\$ 288,702</u>	<u>\$ 150,375</u>	<u>\$ (188,772)</u>

(1) Excludes cash paid for derivative settlements of \$88 million and \$92 million for the years ended December 31, 2022 and December 31, 2021, respectively, and cash received of \$142 million for the year ended December 31, 2020.

Income tax is calculated as if the results presented above represented a stand-alone tax filing entity by applying the current federal and state statutory tax rates to the revenues after deducting costs, and after deductions and tax credits and allowances relating to oil and gas activities that are reflected in our consolidated income tax for the period. See Note 8 for additional information about income taxes.

BERRY CORPORATION (bry)
SUPPLEMENTAL OIL & NATURAL GAS DATA (Continued)
(Unaudited)

Proved Oil, Natural Gas and NGL Reserves

The Company's proved oil, natural gas and NGL reserve quantities and the related discounted future net cash flows before income taxes are based on estimates prepared by the independent engineering firm, DeGolyer and MacNaughton. In accordance with SEC regulations, proved reserves at December 31, 2022, 2021 and 2020 were estimated using the average price during the 12-month period, determined as an unweighted average of the first-day-of-the-month price for each month, excluding escalations based upon future conditions. An analysis of the change in the Company's net interests in estimated quantities of proved oil, natural gas, and NGL reserves, all of which are attributable to properties located in the United States, is shown below:

	Year Ended December 31, 2022			
	Oil mbbls	NGLs mbbls	Natural Gas mmcf	Total mboe
Total proved reserves:				
Beginning of year	85,801	1,259	62,454	97,469
Extensions and discoveries	22,787	546	13,102	25,517
Revisions of previous estimates	(6,474)	359	1,481	(5,868)
Purchases of minerals in place	5,300	—	10,706	7,084
Sales of minerals in place	(61)	—	(24,861)	(4,205)
Production	(8,776)	(144)	(3,724)	(9,541)
End of year	<u>98,577</u>	<u>2,020</u>	<u>59,158</u>	<u>110,456</u>
Proved developed reserves:				
Beginning of year	53,452	1,209	60,351	64,720
End of year	53,632	1,413	44,601	62,478
Proved undeveloped reserves:				
Beginning of year	32,349	50	2,103	32,749
End of year	44,945	607	14,557	47,978
	Year Ended December 31, 2021			
	Oil mbbls	NGLs mbbls	Natural Gas mmcf	Total mboe
Total proved reserves:				
Beginning of year	89,935	742	25,599	94,943
Extensions and discoveries	2,937	60	2,593	3,429
Revisions of previous estimates	1,734	598	40,574	9,094
Purchases of minerals in place	48	—	—	48
Sales of minerals in place	(24)	—	—	(24)
Production	(8,829)	(141)	(6,312)	(10,022)
End of year	<u>85,801</u>	<u>1,259</u>	<u>62,454</u>	<u>97,469</u>
Proved developed reserves:				
Beginning of year	51,249	742	25,599	56,257
End of year	53,452	1,209	60,351	64,720
Proved undeveloped reserves:				
Beginning of year	38,686	—	—	38,686
End of year	32,349	50	2,103	32,749

BERRY CORPORATION (bry)
SUPPLEMENTAL OIL & NATURAL GAS DATA (Continued)
(Unaudited)

	Year Ended December 31, 2020			
	Oil mbbls	NGLs mbbls	Natural Gas mmcf	Total mboe
Total proved reserves:				
Beginning of year	129,773	1,180	44,815	138,422
Extensions and discoveries	733	—	—	733
Revisions of previous estimates	(31,494)	(307)	(12,352)	(33,860)
Purchases of minerals in place	104	—	—	104
Sales of minerals in place	—	—	—	—
Production	(9,181)	(131)	(6,864)	(10,456)
End of year	<u>89,935</u>	<u>742</u>	<u>25,599</u>	<u>94,943</u>
Proved developed reserves:				
Beginning of year	74,102	1,054	39,063	81,667
End of year	51,249	742	25,599	56,257
Proved undeveloped reserves:				
Beginning of year	55,670	127	5,752	56,756
End of year	38,686	—	—	38,686

The tables above include changes in estimated quantities of natural gas reserves shown in boe using the ratio of six mcf to one barrel.

Proved reserves increased by approximately 13 mmboe to approximately 110 mmboe for the year ended December 31, 2022. The year ended December 31, 2022, includes 6 mmboe of negative overall revisions of previous estimates. In 2022, we experienced negative revisions of 7 mmboe in California, which was partially offset by positive revisions of 1 mmboe in the Rockies. The negative other revisions resulted primarily from a change in development plans in our thermal Diatomite in our North Midway-Sunset field. Positive price-driven revisions were 2 mmboe, due to the increase in commodity prices. Extensions and discoveries added 26 mmboe to proved reserves. In January of 2022, we divested our Piceance basin properties and removed approximately 4 mmboe of proved reserves in Colorado. In February of 2022, we acquired Antelope Creek and we added 7 mmboe of proved reserves in Utah.

Proved reserves increased by approximately 2 mmboe to approximately 97 mmboe for the year ended December 31, 2021. The year ended December 31, 2021, includes 9 mmboe of positive overall revisions of previous estimates. Positive price-driven revisions were 18 mmboe, due to the increase in commodity prices. In 2021, we experienced negative technical revisions of 10 mmboe in California, which was partially offset by positive technical revisions of 1 mmboe in the Rockies. The negative technical revisions resulted primarily from a strategic change in development plans in our Hill Tulare properties to a more focused approach on infill drilling rather than extending our proved developed area, as well as adjustments made to our thermal Diatomite development plans. Extensions and discoveries added 3 mmboe to proved reserves.

Proved reserves decreased by approximately 43 mmboe to approximately 95 mmboe for the year ended December 31, 2020. The year ended December 31, 2020, includes 34 mmboe of negative revisions of previous estimates. Price-driven revisions were 31 mmboe, 91% of total revisions, and were due to the dramatic decline in commodity prices experienced in 2020. Performance revisions were a decrease of 3 mmboe, 9% of total revisions. Extensions and discoveries, exclusively in our California properties, added 1 mmboe to proved reserves. Negative performance revisions as well as modest increases to extensions and discoveries were the result of very limited development capital investment in 2020 which was necessitated by market conditions created by the COVID-19 pandemic and exacerbated by OPEC+'s dispute over production cuts.

BERRY CORPORATION (bry)
SUPPLEMENTAL OIL & NATURAL GAS DATA (Continued)
(Unaudited)

Standardized Measure of Discounted Future Net Cash Flows

Information with respect to the standardized measure of discounted future net cash flows relating to proved reserves is summarized below. Future cash inflows are computed by applying applicable prices relating to the Company's proved reserves to the year-end quantities of those reserves. Future production, development, site restoration and abandonment costs are derived based on current costs assuming continuation of existing economic conditions. See Note 8 for additional information about income taxes.

	Year Ended December 31,		
	2022	2021	2020
(in thousands, except for prices)			
Future cash inflows	\$ 9,501,374	\$ 5,879,599	\$ 3,657,907
Future production costs	(3,909,452)	(2,589,043)	(2,091,021)
Future development costs ⁽¹⁾	(1,068,890)	(808,295)	(830,028)
Future income tax expenses ⁽²⁾	(1,000,268)	(484,358)	(1,646)
Future net cash flows	3,522,764	1,997,903	735,212
10% annual discount for estimated timing of cash flows	(1,448,999)	(764,632)	(219,033)
Standardized measure of discounted future net cash flows	<u>\$ 2,073,765</u>	<u>\$ 1,233,271</u>	<u>\$ 516,179</u>
Representative prices: ⁽³⁾			
Brent Oil (bbl)	\$ 100.25	\$ 69.47	\$ 41.77
Henry Hub Natural gas (mmbtu)	\$ 6.40	\$ 3.64	\$ 2.03

(1) Future development costs includes site restoration and abandonment costs.

(2) Future income tax expenses are based on current statutory rates, adjusted for the tax basis of oil and gas properties and applicable tax credits, deductions and allowances.

(3) In accordance with SEC regulations, reserves were estimated using the average price during the 12-month period, determined as an unweighted average of the first-day-of-the-month price for each month, excluding escalations based upon future conditions. The average price used to estimate reserves is held constant over the life of the reserves.

BERRY CORPORATION (bry)
SUPPLEMENTAL OIL & NATURAL GAS DATA (Continued)
(Unaudited)

The following table summarizes the changes in the standardized measure of discounted future net cash flows:

	Year Ended December 31,		
	2022	2021	2020
	(in thousands)		
Standardized measure—beginning of year	\$ 1,233,271	\$ 516,179	\$ 1,466,137
Net change in sales and transfer prices and production costs related to future production	830,294	1,140,342	(1,135,565)
Changes in estimated future development costs	42,747	8,215	198,009
Sales and transfers of oil, natural gas and NGLs produced during the period	(496,069)	(336,031)	(149,806)
Net change due to extensions, discoveries and improved recovery	476,114	56,504	11,621
Purchase of minerals in place	139,637	830	1,668
Sales of minerals in place	(14,684)	(5)	—
Net change due to revisions in quantity estimates	(182,173)	217,921	(329,680)
Previously estimated development costs incurred during the period	30,358	48,488	2,762
Accretion of discount	151,334	52,015	180,673
Changes in production rates and other	132,917	(195,093)	(69,293)
Net change in income taxes	(269,981)	(276,094)	339,653
Net increase (decrease)	840,494	717,092	(949,958)
Standardized measure—end of year	<u>\$ 2,073,765</u>	<u>\$ 1,233,271</u>	<u>\$ 516,179</u>

The standardized measure of discounted future net cash flows is not intended to represent the replacement cost or fair value of the Company's oil and gas properties. The data presented should not be viewed as representing the expected cash flow from, or current value of, existing proved reserves since the computations are based on a large number of estimates and assumptions. The required projection of production and related expenditures over time requires further estimates with respect to pipeline availability, rates of demand and governmental control. Actual future prices and costs are likely to be substantially different from the current prices and costs utilized in the computation of reported amounts. Any analysis or evaluation of the reported amounts should give specific recognition to the computational methods utilized and the limitations inherent therein.

The following table summarizes the average sales price and production costs:

	Year Ended December 31,		
	2022	2021	2020
Weighted-average realized prices:			
Oil without hedges (\$/bbl)	\$ 91.98	\$ 66.57	\$ 39.56
Natural gas (\$/mcf)	\$ 7.96	\$ 5.27	\$ 2.08
NGLs (\$/bbl)	\$ 43.85	\$ 36.64	\$ 12.57
Production costs (per boe):			
Lease operating expenses	\$ 31.72	\$ 23.60	\$ 17.86

Item 9. Changes in and Disagreements with Accountants on Accounting and Financial Disclosure

None.

Item 9A. Controls and Procedures

Evaluation of Disclosure Controls and Procedures

In accordance with Exchange Act Rules 13a-15 and 15d-15, our Chief Executive Officer and our Vice President, Chief Financial Officer and Chief Accounting Officer supervised and participated in our evaluation of our disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) under the Exchange Act) as of December 31, 2022. Our disclosure controls and procedures are designed to provide reasonable assurance that the information required to be disclosed by us in reports that we file under the Exchange Act is accumulated and communicated to our management, including our principal executive officer and principal financial officer, as appropriate, to allow timely decisions regarding required disclosure and is recorded, processed, summarized and reported within the time periods specified in the rules and forms of the SEC. Based upon that evaluation, our principal executive officer and principal financial officer concluded that our disclosure controls and procedures were effective as of December 31, 2022 at the reasonable assurance level.

Management's Annual Report on Internal Control Over Financial Reporting and Attestation Report of the Registered Public Accounting Firm

Our management, including our principal executive officer and principal financial officer, is responsible for establishing and maintaining adequate internal control over financial reporting as defined in Rules 13a-15(f) under the Exchange Act. Our internal control over financial reporting is designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of our consolidated financial statements for external purposes in accordance with GAAP.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of the effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

Our management assessed the effectiveness of the Company's internal control over financial reporting as of December 31, 2022, using the criteria in Internal Control-Integrated Framework (2013) issued by the COSO. Based on this evaluation, our management concluded that our internal control over financial reporting was effective as of December 31, 2022.

Management's report was not subject to attestation by our independent registered public accounting firm pursuant to rules of the Securities and Exchange Commission that permit us to provide only management's report in this Annual Report on Form 10-K. Therefore, this Annual Report on Form 10-K does not include such an attestation.

Changes in the Company's Internal Control Over Financial Reporting

The Company's management is responsible for establishing and maintaining adequate internal control over financial reporting, as defined in Rules 13a-15(f) and 15d-15(f) of the Exchange Act. There have been no changes in the Company's internal control over financial reporting during the quarter ended December 31, 2022 that materially affected, or were reasonably likely to materially affect, the Company's internal control over financial reporting.

Item 9B. Other Information

In November 2022, we announced a transformative leadership succession in connection with a new strategy and sharpened focus on shareholder maximization. The succession plan, which was effective as of January 1, 2023, included a transition in the roles of President and Chief Executive Officer, Chief Financial Officer, and Chief Operating Officer. Former Board Chair, Chief Executive Officer and President, Arthur “Trem” Smith, stepped down from his roles as President and Chief Executive Officer of Berry Corp. and transitioned to the position of Executive Chair. In conjunction with Mr. Smith’s transition to Executive Chair, the Board appointed our then-Executive Vice President and Chief Operating Officer, Fernando Araujo, as Chief Executive Officer, effective January 1, 2023. The position of Chief Operating Officer was eliminated.

Simultaneously with Mr. Smith’s transition from President, our then-Executive Vice President, General Counsel and Corporate Secretary, Danielle Hunter, was promoted, effective January 1, 2023, to President with oversight of the financial (including internal audit and IT), legal, human resources (HR) and health, safety, and environmental (HSE) functions.

Additionally, Mr. Cary Baetz, our then-Executive Vice President and Chief Financial Officer and member of the Board, stepped down from his role of Executive Vice President, Chief Financial Officer and Mike Helm, our then-Chief Accounting Officer, was promoted to Vice President, Chief Financial Officer, each effective January 1, 2023. Mr. Helm also continues to serve as Chief Accounting Officer. Since January 1, 2023, Mr. Baetz has served as a strategic advisor to Mr. Helm during a transition period. On February 21, 2023, the Board determined it was appropriate to terminate Mr. Baetz’s employment effective March 3, 2023; simultaneous with his termination, he will resign from the Board of Directors. His resignation from the Board of Directors is not due to any disagreement with us. Mr. Baetz will receive the severance and equity award vesting to which he is entitled in the event of a termination by the Company for reasons other than cause under his employment agreement and the restricted stock units and performance share awards he has entered into with Berry Corp, noting that Mr. Baetz and Berry Corp have mutually agreed for the equity awards which vest due to this termination, at least a portion will be settled in the form of cash instead of shares of common stock.

Part III

Item 10. Directors, Executive Officers and Corporate Governance

The information required by this Item 10 is incorporated herein by reference to our definitive Proxy Statement, for the 2023 Annual Meeting of Stockholders, to be filed with the SEC pursuant to Regulation 14A within 120 days of December 31, 2022.

Our board of directors has adopted a code of business conduct applicable to all officers, directors and employees, which is available on our website (www.bry.com/sustainability/governance). We intend to satisfy the disclosure requirement under Item 5.05 of Form 8-K regarding amendment to, or waiver from, a provision of our code of business conduct by posting such information within four business days following the date of the amendment or waiver on our website at the address specified above.

Item 11. Executive Compensation

The information required by this Item 11 is incorporated herein by reference to our definitive Proxy Statement, for the 2023 Annual Meeting of Stockholders, to be filed with the SEC pursuant to Regulation 14A within 120 days of December 31, 2022.

Item 12. Security Ownership of Certain Beneficial Owners and Management

The information required by this Item 12 is incorporated herein by reference to our definitive Proxy Statement, for the 2023 Annual Meeting of Stockholders, to be filed with the SEC pursuant to Regulation 14A within 120 days of December 31, 2022. See also Part II—Item 5. Market for Registrant's Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities — Securities Authorized for Issuance Under Equity Compensation Plans.

Item 13. Certain Relationships and Related Transactions and Director Independence

The information required by this Item 13 is incorporated herein by reference to our definitive Proxy Statement, for the 2023 Annual Meeting of Stockholders, to be filed with the SEC pursuant to Regulation 14A within 120 days of December 31, 2022.

Item 14. Principal Accounting Fees and Services

Our independent registered public accounting firm is KPMG LLP, Dallas, TX, Auditor Firm ID: 185.

The information required by this Item 14 is incorporated herein by reference to our definitive Proxy Statement, for the 2023 Annual Meeting of Stockholders, to be filed with the SEC pursuant to Regulation 14A within 120 days of December 31, 2022.

Part IV

Item 15. Exhibits

Exhibit Number	Description
2.1	Amended Joint Chapter 11 Plan of Reorganization of Linn Acquisition Company, LLC and Berry Petroleum Company, LLC, dated January 25, 2017 (incorporated by reference to Exhibit 2.1 to the Company's Registration Statement on Form S-1 (File No. 333-226011))
3.1	Second Amended and Restated Certificate of Incorporation of Berry Petroleum Corporation (incorporated by reference to Exhibit 3.1 of Form 8-K filed February 19, 2020)
3.2	Third Amended and Restated Bylaws of Berry Corporation (bry) (incorporated by reference to Exhibit 3.2 of Form 8-K filed February 19, 2020)
3.3	Certificate of Designation of Series A Convertible Preferred Stock of Berry Petroleum Corporation (incorporated by reference to Exhibit 3.4 to the Company's Registration Statement on Form S-1 (File No. 333-226011))
3.4	Certificate of Amendment to Certificate of Designation (incorporated by reference to Exhibit 3.1 of Form 8-K filed July 30, 2018)
4.1	Form of Common Stock Certificate of Berry Petroleum Corporation (incorporated by reference to Exhibit 4.1 to the Company's Registration Statement on Form S-1 (File No. 333-226011))
4.2	Form of Series A Convertible Preferred Stock Certificate of Berry Petroleum Corporation (incorporated by reference to Exhibit 4.2 to the Company's Registration Statement on Form S-1 (File No. 333-226011))
4.3	Indenture dated as of February 8, 2018, among Berry Petroleum Company, LLC, Berry Petroleum Corporation and Wells Fargo Bank, N.A., as trustee (incorporated by reference to Exhibit 4.3 to the Company's Registration Statement on Form S-1 (File No. 333-226011))
4.4	Description of Registrant's Securities Registered Under Section 12 of the Exchange Act of 1834 (incorporated by reference to Exhibit 4.4 to the Company's Annual Report on Form 10-K filed February 27, 2020)
10.1	Amended and Restated Stockholders Agreement between Berry Petroleum Corporation and certain holders party thereto (incorporated by reference to Exhibit 10.1 of Form 8-K filed July 30, 2018)
10.2	Amended and Restated Registration Rights Agreement, dated June 28, 2018, among Berry Petroleum Corporation and the holder party thereto (incorporated by reference to Exhibit 10.4 to the Company's Registration Statement on Form S-1 (File No. 333-226011))
10.3†	Executive Chair Agreement by and between Berry Petroleum Company, LLC and Arthur "Trem" Smith, effective January 1, 2023. (incorporated by reference to Exhibit 10.1 of Form 8-K filed November 30, 2022).
10.4†	Second Amended and Restated Executive Employment Agreement by and between Berry Petroleum Company, LLC and Cary D. Baetz, effective March 1, 2020 (incorporated by reference to Exhibit 10.1 of Form 8-K filed March 30, 2020)
10.5†	Second Amended and Restated Executive Employment Agreement by and between Berry Petroleum Company, LLC and Danielle Hunter, effective January 1, 2023. (incorporated by reference to Exhibit 10.3 of Form 8-K filed November 30, 2022)
10.6†	Amended and Restated Employment Agreement by and between Berry Petroleum Company, LLC and Fernando Araujo, effective January 1, 2023. (incorporated by reference to Exhibit 10.2 of Form 8-K filed November 30, 2022)

Exhibit Number	Description
10.7†	Amended and Restated Employment Agreement by and between Berry Petroleum Company, LLC and Mike Helm, effective January 1, 2023. (incorporated by reference to Exhibit 10.4 of Form 8-K filed November 30, 2022)
10.8†	Amended and Restated Berry Petroleum Corporation 2017 Omnibus Incentive Plan, dated March 7, 2018 (incorporated by reference to Exhibit 10.8 to the Company's Registration Statement on Form S-1 (File No. 333-226011))
10.9†	Berry Petroleum Corporation Form of Restricted Stock Unit Award Agreement for Employees other than Executive Vice Presidents (incorporated by reference to Exhibit 10.9 to the Company's Registration Statement on Form S-1 (File No. 333-226011))
10.10†	Berry Petroleum Corporation Form of Restricted Stock Unit Award Agreement for Executive Vice Presidents (incorporated by reference to Exhibit 10.10 to the Company's Registration Statement on Form S-1 (File No. 333-226011))
10.11†	Berry Petroleum Corporation Form of Director Restricted Stock Unit Award Agreement (incorporated by reference to Exhibit 10.11 to the Company's Registration Statement on Form S-1 (File No. 333-226011))
10.12†	Berry Petroleum Corporation Form of Performance-Based Restricted Stock Unit Award Agreement for Employees other than Executive Vice Presidents (incorporated by reference to Exhibit 10.12 to the Company's Registration Statement on Form S-1 (File No. 333-226011))
10.13†	Berry Petroleum Corporation Form of Performance-Based Restricted Stock Unit Award Agreement for Executive Vice Presidents (incorporated by reference to Exhibit 10.13 to the Company's Registration Statement on Form S-1 (File No. 333-226011))
10.14†	Second Amended and Restated Berry Petroleum Corporation 2017 Omnibus Incentive Plan, dated June 27, 2018 (incorporated by reference to Exhibit 4.3 of S-8 Registration Statement (File No. 333-226582))
10.15†	Berry Petroleum Corporation 2017 Omnibus Incentive Plan dated June 15, 2017 (incorporated by reference to Exhibit 10.15 to the Company's Registration Statement on Form S-1 (File No. 333-226011))
10.16†	Berry Petroleum Corporation Form of Restricted Stock Unit Award Agreement for Employees other than Executive Officers (incorporated by reference to Exhibit 10.19 to the Company's Annual Report on Form 10-K filed March 8, 2019)
10.17†	Berry Petroleum Corporation Form of Restricted Stock Unit Award Agreement for Executive Officers (incorporated by reference to Exhibit 10.20 to the Company's Annual Report on Form 10-K filed March 8, 2019)
10.18†	Berry Petroleum Corporation Form of Restricted Stock Unit Award Agreement for Directors (incorporated by reference to Exhibit 10.21 to the Company's Annual Report on Form 10-K filed March 8, 2019)
10.19†	Berry Petroleum Corporation Form of Performance-Based Restricted Stock Unit Award Agreement for Employees other than Executive Officers (incorporated by reference to Exhibit 10.22 to the Company's Annual Report on Form 10-K filed March 8, 2019)
10.20†	Berry Petroleum Corporation Form of Performance-Based Restricted Stock Unit Award Agreement for Executive Officers (incorporated by reference to Exhibit 10.23 to the Company's Annual Report on Form 10-K filed March 8, 2019)
10.21†	Berry Corporation (bry) 2022 Omnibus Incentive Plan, dated March 1, 2022 (incorporated by reference to Exhibit 10.1 to the Company's Quarterly Report on Form 10-Q filed May 4, 2022)

Exhibit Number	Description
10.22†	Berry Corporation (bry) 2022 Omnibus Incentive Plan - Form of Performance-Based Restricted Stock Unit Award Agreement with Total Shareholder Return Performance Criteria (incorporated by reference to Exhibit 10.2 to the Company's Quarterly Report on Form 10-Q filed May 4, 2022)
10.23†	Berry Corporation (bry) 2022 Omnibus Incentive Plan - Form of Performance-Based Restricted Stock Unit Award Agreement with CROIC Performance Criteria (incorporated by reference to Exhibit 10.3 to the Company's Quarterly Report on Form 10-Q filed May 4, 2022)
10.24†	Berry Corporation (bry) 2022 Omnibus Incentive Plan - Form of Performance-Based Restricted Stock Unit Award Agreement with C&J Well Services ROCI Performance Criteria (Executive Employment Agreement) (incorporated by reference to Exhibit 10.4 to the Company's Quarterly Report on Form 10-Q filed May 4, 2022)
10.25†	Berry Corporation (bry) 2022 Omnibus Incentive Plan - Form of Performance-Based Restricted Stock Unit Award Agreement with C&J Well Services ROCI Performance Criteria (incorporated by reference to Exhibit 10.5 to the Company's Quarterly Report on Form 10-Q filed May 4, 2022)
10.26†*	Berry Corporation (bry) 2022 Omnibus Incentive Plan - Form of Restricted Stock Unit Award Agreement for Executives
10.27†*	Berry Corporation (bry) 2022 Omnibus Incentive Plan - Form of Performance-Based Restricted Stock Unit Award Agreement with Absolute Total Shareholder Return Performance Criteria
10.28	Form of Indemnification Agreement (incorporated by reference to Exhibit 10.16 to the Company's Registration Statement on Form S-1 (File No. 333-226011))
10.29	Stock Purchase Agreement by and between Berry Petroleum Corporation, Oaktree Value Opportunities Fund Holdings, L.P. and Oaktree Opportunities X Fund Holdings (Delaware), L.P. dated July 17, 2018 (incorporated by reference to Exhibit 10.2 of Form 8-K filed July 30, 2018)
10.30	Stock Purchase Agreement by and between Berry Petroleum Corporation and certain funds affiliated with Benefit Street Partners named in Schedule I thereto, dated July 17, 2018 (incorporated by reference to Exhibit 10.3 of Form 8-K filed July 30, 2018)
10.31	Credit Agreement, dated August 26, 2021, by and among Berry Petroleum Company, LLC, as borrower, Berry Petroleum Corporation, as guarantor, JPMorgan Chase Bank, N.A., as administrative agent and issuing bank, and certain lenders and other parties thereto (incorporated by reference to Exhibit 10.1 of Form 8-K filed August 27, 2021)
10.32	First Amendment to Credit Agreement, dated December 8, 2021, by and among Berry Petroleum Company, LLC, as borrower, Berry Petroleum Corporation, as guarantor, JPMorgan Chase Bank, N.A., as administrative agent and issuing bank, and certain lenders and other parties thereto (incorporated by reference to Exhibit 10.1 of Form 8-K filed December 10, 2021)
10.33	Second Amendment to Credit Agreement, dated May 2, 2022, by and among Berry Petroleum Company, LLC, as borrower, Berry Corporation (bry), as guarantor, JP Morgan Chase Bank, N.A., as administrative agent and the lenders parties thereto (incorporated by reference to Exhibit 10.6 of the Quarterly Report on Form 10-Q filed May 4, 2022)
10.34	Third Amendment to Credit Agreement dated May 27, 2022, by and among Berry Corporation (bry), as a guarantor, together with Berry Petroleum Company, LLC, as Borrower, JPMorgan Chase Bank, N.A., as administrative agent and as an issuing bank, and the lenders from time-to-time party thereto (incorporated by reference to Exhibit 10.1 of Form 8-K filed June 1, 2022)
10.35*	Revolving Loan and Security Agreement, dated August 9, 2022 between C&J Well Services, LLC and CJ Berry Well Services Management, LLC, as borrower, and Tri Counties Bank, as lender, and related Promissory Note, dated August 9, 2022
21.1*	List of Subsidiaries of Berry Corporation (bry)

Exhibit Number	Description
23.1*	Consent of KPMG LLP
23.2*	Consent of DeGolyer and MacNaughton
31.1*	Certification of Chief Executive Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002
31.2*	Certification of Chief Financial Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002
32.1*	Certifications of Chief Executive Officer and Chief Financial Officer pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.
99.1*	Report as of December 31, 2022 of DeGolyer and MacNaughton
101.INS*	Inline XBRL Instance Document (the Instance Document does not appear in the Interactive Data File because its XBRL tags are embedded within the Inline XBRL document)
101.SCH*	Inline XBRL Taxonomy Extension Schema Document
101.CAL*	Inline XBRL Taxonomy Extension Calculation Linkbase Document
101.DEF*	Inline XBRL Taxonomy Extension Definition Linkbase Document
101.LAB*	Inline XBRL Taxonomy Extension Label Linkbase Data Document
101.PRE*	Inline XBRL Taxonomy Extension Presentation Linkbase Document
104	Cover Page Interactive Data File (formatted as Inline XBRL and contained in Exhibit 101)

(*) Filed herewith.

(†) Indicates a management contract or compensatory plan or arrangement.

Item 16. Form 10-K Summary

Not applicable.

GLOSSARY OF COMMONLY USED TERMS

The following are abbreviations and definitions of certain terms that may be used in this report, which are commonly used in the oil and natural gas industry:

“*AROs*” means asset retirement obligations.

“*Adjusted EBITDA*” is a non-GAAP financial measure defined as earnings before interest expense; income taxes; depreciation, depletion, and amortization; derivative gains or losses net of cash received or paid for scheduled derivative settlements; impairments; stock compensation expense; and unusual and infrequent items.

“*Adjusted Free Cash Flow*” which is defined as cash flow from operations less regular fixed dividends and maintenance capital.

“*Adjusted General and Administrative Expenses*” is a non-GAAP financial measure defined as general and administrative expenses adjusted for non-cash stock compensation expense and unusual and infrequent costs.

“*Adjusted Net Income (Loss)*” is a non-GAAP financial measure defined as net income (loss) adjusted for derivative gains or losses net of cash received or paid for scheduled derivative settlements, unusual and infrequent items, and the income tax expense or benefit of these adjustments using our effective tax rate.

“*API*” gravity means the relative density, expressed in degrees, of petroleum liquids based on a specific gravity scale developed by the American Petroleum Institute.

“*basin*” means a large area with a relatively thick accumulation of sedimentary rocks.

“*bbl*” means one stock tank barrel, or 42 U.S. gallons liquid volume, used in reference to oil or other liquid hydrocarbons.

“*bcf*” means one billion cubic feet, which is a unit of measurement of volume for natural gas.

“*BLM*” means for the U.S. Bureau of Land Management.

“*boe*” means barrel of oil equivalent, determined using the ratio of one bbl of oil, condensate or natural gas liquids to six mcf of natural gas.

“*boe/d*” means boe per day.

“*Brent*” means the reference price paid in U.S. dollars for a barrel of light sweet crude oil produced from the Brent field in the UK sector of the North Sea.

“*btu*” means one British thermal unit—a measure of the amount of energy required to raise the temperature of a one-pound mass of water one degree Fahrenheit at sea level.

“*Cap-and-trade*” is a statewide program in California established by the Global Warming Solutions Act of 2006 which outlined an enforceable compliance obligation beginning with 2013 GHG emissions and currently extended through 2030.

“*Clean Water Rule*” refers to the rule issued in August 2015 by the EPA and U.S. Army Corps of Engineers which expanded the scope of the federal jurisdiction over wetlands and other types of waters.

“*Completion*” means the installation of permanent equipment for the production of oil or natural gas.

“*Condensate*” means a mixture of hydrocarbons that exists in the gaseous phase at original reservoir temperature and pressure, but that, when produced, is in the liquid phase at surface pressure and temperature.

“*CPUC*” is an abbreviation for the California Public Utilities Commission.

“*DD&A*” means depreciation, depletion & amortization.

“*Development drilling*” or “*Development well*” means a well drilled to a known producing formation in a previously discovered field, usually offsetting a producing well on the same or an adjacent oil and natural gas lease.

“*Diatomite*” means a sedimentary rock composed primarily of siliceous, diatom shells.

“*Differential*” means an adjustment to the price of oil or natural gas from an established spot market price to reflect differences in the quality and/or location of oil or natural gas.

“*Downspacing*” means additional wells drilled between known producing wells to better develop the reservoir.

“*HSE*” is an abbreviation for Health, Safety, and Environmental.

“*EPA*” is an abbreviation for the United States Environmental Protection Agency.

“*EPS*” is an abbreviation for earnings per share.

“*Exploration activities*” means the initial phase of oil and natural gas operations that includes the generation of a prospect or play and the drilling of an exploration well.

“*FASB*” is an abbreviation for the Financial Accounting Standards Board.

“*Field*” means an area consisting of a single reservoir or multiple reservoirs all grouped on or related to the same individual geological structural feature or stratigraphic condition.

“*Formation*” means a layer of rock which has distinct characteristics that differ from those of nearby rock.

“*Fracturing*” means mechanically inducing a crack or surface of breakage within rock not related to foliation or cleavage in metamorphic rock in order to enhance the permeability of rocks by connecting pores together.

“*GAAP*” is an abbreviation for U.S. generally accepted accounting principles.

“*Gas*” or “*Natural gas*” means the lighter hydrocarbons and associated non-hydrocarbon substances occurring naturally in an underground reservoir, which under atmospheric conditions are essentially gases but which may contain liquids.

“*GHG*” or “*GHGs*” is an abbreviation for greenhouse gases.

“*Gross Acres*” or “*Gross Wells*” means the total acres or wells, as the case may be, in which we have a working interest.

“*Held by production*” means acreage covered by a mineral lease that perpetuates a company’s right to operate a property as long as the property produces a minimum paying quantity of oil or natural gas.

“*Henry Hub*” is a distribution hub on the natural gas pipeline system in Erath, Louisiana.

“*Hydraulic fracturing*” means a procedure to stimulate production by forcing a mixture of fluid and proppant (usually sand) into the formation under high pressure. This creates artificial fractures in the reservoir rock, which increases permeability.

“*Horizontal drilling*” means a wellbore that is drilled laterally.

“*Infill drilling*” means drilling of an additional well or wells at less than existing spacing to more adequately drain a reservoir.

“*Injection Well*” means a well in which water, gas or steam is injected, the primary objective typically being to maintain reservoir pressure and/or improve hydrocarbon recovery.

“*IOR*” means improved oil recovery.

“*IPO*” is an abbreviation for initial public offering.

“*LCFS*” is an abbreviation for low carbon fuel standard.

“*Leases*” means full or partial interests in oil or gas properties authorizing the owner of the lease to drill for, produce and sell oil and natural gas in exchange for any or all of rental, bonus and royalty payments. Leases are generally acquired from private landowners (fee leases) and from federal and state governments on acreage held by them.

“*LIBOR*” is an abbreviation for London Interbank Offered Rate.

“*mdbl*” means one thousand barrels of oil, condensate or NGLs.

“*mdbl/d*” means mdbl per day.

“*mboe*” means one thousand barrels of oil equivalent.

“*mboe/d*” means mboe per day.

“*mcf*” means one thousand cubic feet, which is a unit of measurement of volume for natural gas.

“*mmbbl*” means one million barrels of oil, condensate or NGLs.

“*mmboe*” means one million barrels of oil equivalent.

“*mmbtu*” means one million btus.

“*mmbtu/d*” means mmbtu per day.

“*mmcf*” means one million cubic feet, which is a unit of measurement of volume for natural gas.

“*mmcf/d*” means mmcf per day.

“*MW*” means megawatt.

“*MWHs*” means megawatt hours.

“*NASDAQ*” means Nasdaq Global Select Market.

“*NEPA*” is an abbreviation for the National Environmental Policy Act, which requires careful evaluation of the environmental impacts of oil and natural gas production activities on federal lands.

“*Net Acres*” or “*Net Wells*” is the sum of the fractional working interests owned in gross acres or wells, as the case may be, expressed as whole numbers and fractions thereof.

“*Net revenue interest*” means all of the working interests, less all royalties, overriding royalties, non-participating royalties, net profits interest or similar burdens on or measured by production from oil and natural gas.

“*NGA*” is an abbreviation for the Natural Gas Act.

“*NGL*” or “*NGLs*” means natural gas liquids, which are the hydrocarbon liquids contained within natural gas.

“*NRI*” is an abbreviation for net revenue interest.

“*NYMEX*” means New York Mercantile Exchange.

“*Oil*” means crude oil or condensate.

“*OPEC*” is an abbreviation for the Organization of the Petroleum Exporting Countries.

“*Operator*” means the individual or company responsible to the working interest owners for the exploration, development and production of an oil or natural gas well or lease.

“*OTC*” means over-the-counter

“*PALs*” is an abbreviation for project approval letters.

“*PCAOB*” is an abbreviation for the Public Company Accounting Oversight Board.

“*PDNP*” is an abbreviation for proved developed non-producing.

“*PDP*” is an abbreviation for proved developed producing.

“*Permeability*” means the ability, or measurement of a rock’s ability, to transmit fluids.

“*Play*” means a regionally distributed oil and natural gas accumulation. Resource plays are characterized by continuous, aerially extensive hydrocarbon accumulations.

“*PPA*” is an abbreviation for power purchase agreement.

“*Production costs*” means costs incurred to operate and maintain wells and related equipment and facilities, including depreciation and applicable operating costs of support equipment and facilities and other costs of operating and maintaining those wells and related equipment and facilities. For a complete definition of production costs, refer to the SEC’s Regulation S-X, Rule 4-10(a)(20).

“*Productive well*” means a well that is producing oil, natural gas or NGLs or that is capable of production.

“*Proppant*” means sized particles mixed with fracturing fluid to hold fractures open after a hydraulic fracturing treatment.

“*Prospect*” means a specific geographic area which, based on supporting geological, geophysical or other data and also preliminary economic analysis using reasonably anticipated prices and costs, is deemed to have potential for the discovery of commercial hydrocarbons.

“*Proved developed reserves*” means reserves that can be expected to be recovered through existing wells with existing equipment and operating methods.

“*Proved developed producing reserves*” means reserves that are being recovered through existing wells with existing equipment and operating methods.

“*Proved reserves*” means the estimated quantities of oil, gas and gas liquids, which, by analysis of geoscience and engineering data, can be estimated with reasonable certainty to be economically producible from a given date forward, from known reservoirs, and under existing economic conditions, operating methods, and government regulations prior to the time at which contracts providing the right to operate expire, unless evidence indicates that renewal is reasonably certain, regardless of whether deterministic or probabilistic methods are used for the estimation. The project to extract the hydrocarbons must have commenced or the operator must be reasonably certain that it will commence the project within a reasonable time.

“*Proved undeveloped drilling location*” means a site on which a development well can be drilled consistent with spacing rules for purposes of recovering proved undeveloped reserves.

“*Proved undeveloped reserves*” or “*PUDs*” means proved reserves that are expected to be recovered from new wells on undrilled acreage, or from existing wells where a relatively major expenditure is required for recompletion. Reserves on undrilled acreage are limited to those directly offsetting development spacing areas that are reasonably certain of production when drilled, unless evidence using reliable technology exists that establishes reasonable certainty of economic producibility at greater distances. Undrilled locations can be classified as having proved undeveloped reserves only if a development plan has been adopted indicating that they are scheduled to be drilled within five years, unless the specific circumstances justify a longer time. Estimates for proved undeveloped reserves are not attributed to any acreage for which an application of fluid injection or other improved recovery technique is contemplated, unless such techniques have been proved effective by actual projects in the same reservoir or an analogous reservoir, or by other evidence using reliable technology establishing reasonable certainty.

“*PSUs*” means performance-based restricted stock units

“*PV-10*” is a non-GAAP financial measure and represents the present value of estimated future cash inflows from proved oil and gas reserves, less future development and production costs, discounted at 10% per annum to reflect the timing of future cash flows and using SEC-prescribed pricing assumptions for the period. While this measure does not include the effect of income taxes as it would in the use of the standardized measure calculation, it does provide an indicative representation of the relative value of the company on a comparative basis to other companies and from period to period.

“*QF*” means qualifying facility.

“*Realized price*” means the cash market price less all expected quality, transportation and demand adjustments.

“*Reasonable certainty*” means a high degree of confidence. For a complete definition of reasonable certainty, refer to the SEC’s Regulation S-X, Rule 4-10(a)(24).

“*Recompletion*” means the completion for production from an existing wellbore in a formation other than that in which the well has previously been completed.

“*Relative TSR*” means relative total stockholder return.

“*Reserves*” means estimated remaining quantities of oil and natural gas and related substances anticipated to be economically producible, as of a given date, by application of development projects to known accumulations. In addition, there must exist, or there must be a reasonable expectation that there will exist, the legal right to produce or a revenue interest in the production, installed means of delivering oil and natural gas or related substances to market and all permits and financing required to implement the project. Reserves should not be assigned to adjacent reservoirs isolated by major, potentially sealing, faults until those reservoirs are penetrated and evaluated as economically producible. Reserves should not be assigned to areas that are clearly separated from a known accumulation by a non-productive reservoir (i.e., absence of reservoir, structurally low reservoir or negative test results). Such areas may contain prospective resources (i.e., potentially recoverable resources from undiscovered accumulations).

“*Reservoir*” means a porous and permeable underground formation containing a natural accumulation of producible natural gas and/or oil that is confined by impermeable rock or water barriers and is individual and separate from other reservoirs.

“*Resources*” means quantities of oil and natural gas estimated to exist in naturally occurring accumulations. A portion of the resources may be estimated to be recoverable and another portion may be considered to be unrecoverable. Resources include both discovered and undiscovered accumulations.

“*Royalty*” means the share paid to the owner of mineral rights, expressed as a percentage of gross income from oil and natural gas produced and sold unencumbered by expenses relating to the drilling, completing and operating of the affected well.

“*Royalty interest*” means an interest in an oil and natural gas property entitling the owner to shares of oil and natural gas production, free of costs of exploration, development and production operations.

“*RSUs*” is an abbreviation for restricted stock units.

“*SARs*” is an abbreviation for stock appreciation rights.

“*SEC Pricing*” means pricing calculated using oil and natural gas price parameters established by current guidelines of the SEC and accounting rules based on the unweighted arithmetic average of oil and natural gas prices as of the first day of each of the 12 months ended on the given date.

“*Seismic Data*” means data produced by an exploration method of sending energy waves into the earth and recording the wave reflections to indicate the type, size, shape and depth of a subsurface rock formation. 2-D seismic provides two-dimensional information and 3-D seismic provides three-dimensional views.

“*Spacing*” means the distance between wells producing from the same reservoir. Spacing is often expressed in terms of acres, e.g., 40-acre spacing, and is often established by regulatory agencies.

“*Steamflood*” means cyclic or continuous steam injection.

“*Standardized measure*” means discounted future net cash flows estimated by applying year-end prices to the estimated future production of proved reserves. Future cash inflows are reduced by estimated future production and development costs based on period-end costs to determine pre-tax cash inflows. Future income taxes, if applicable, are computed by applying the statutory tax rate to the excess of pre-tax cash inflows over our tax basis in the oil and natural gas properties. Future net cash inflows after income taxes are discounted using a 10% annual discount rate.

“*Stimulating*” means mechanically inducing a crack or surface of breakage within rock not related to foliation or cleavage in metamorphic rock in order to enhance the permeability of rocks by connecting pores together.

“*Strip Pricing*” means pricing calculated using oil and natural gas price parameters established by current guidelines of the SEC and accounting rules with the exception of pricing that is based on average annual forward-month ICE (Brent) oil and NYMEX Henry Hub natural gas contract pricing in effect on a given date to reflect the market expectations as of that date.

“*Superfund*” is a commonly known term for CERLA.

“*UIC*” is an abbreviation for the Underground Injection Control program.

“*Unconventional resource plays*” means a resource play that uses methods other than traditional vertical well extraction. Unconventional resources are trapped in reservoirs with low permeability, meaning little to no ability for the oil or natural gas to flow through the rock and into a wellbore. Examples of unconventional oil resources include oil shales, oil sands, extra-heavy oil, gas-to-liquids and coal-to-liquids.

“*Undeveloped acreage*” means lease acres on which wells have not been drilled or completed to a point that would permit the production of commercial quantities of oil and gas regardless of whether or not such acreage contains proved reserves.

“*Unit*” means the joining of all or substantially all interests in a reservoir or field, rather than a single tract, to provide for development and operation without regard to separate property interests. Also, the area covered by a unitization agreement.

“*Unproved reserves*” means reserves that are considered less certain to be recovered than proved reserves. Unproved reserves may be further sub-classified to denote progressively increasing uncertainty of recoverability and include probable reserves and possible reserves.

“*Wellbore*” means the hole drilled by the bit that is equipped for natural resource production on a completed well. Also called well or borehole.

“*Working interest*” means an interest in an oil and natural gas lease entitling the holder at its expense to conduct drilling and production operations on the leased property and to receive the net revenues attributable to such interest, after deducting the landowner’s royalty, any overriding royalties, production costs, taxes and other costs.

“*Workover*” means maintenance on a producing well to restore or increase production.

“*WST*” is an abbreviation for well stimulation treatment.

“*WTP*” means West Texas Intermediate.

SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Berry Corporation (bry)

Date: February 27, 2023

/s/ Fernando Araujo

Fernando Araujo
Chief Executive Officer

Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

<u>Date</u>	<u>Signature</u>	<u>Title</u>
February 27, 2023	<u>/s/ Fernando Araujo</u> Fernando Araujo	Chief Executive Officer (Principal Executive Officer)
February 27, 2023	<u>/s/ M. S. Helm</u> Michael S. Helm	Vice President, Chief Financial Officer and Chief Accounting Officer (Principal Financial Officer and Principal Accounting Officer)
February 27, 2023	<u>/s/ A. T. Smith</u> A. T. "Trem" Smith	Executive Chairman
February 27, 2023	<u>/s/ Cary Baetz</u> Cary Baetz	Director
February 27, 2023	<u>/s/ Renée Hornbaker</u> Renée Hornbaker	Director
February 27, 2023	<u>/s/ Anne L. Mariucci</u> Anne L. Mariucci	Director
February 27, 2023	<u>/s/ Donald L. Paul</u> Donald L. Paul	Director
February 27, 2023	<u>/s/ Rajath Shourie</u> Rajath Shourie	Director

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EXECUTIVE OFFICERS

FERNANDO ARAUJO

Chief Executive Officer

DANIELLE HUNTER

President

MIKE HELM

Vice President, Chief Financial Officer &
Chief Accounting Officer

A.T. (TREM) SMITH

Executive Chairman

DIRECTORS

RENÉE HORNBAKER (1C) (2) (3)

Independent Director
Chief Executive Officer of Storey & Gates LLC

ANNE MARIUCCI (1) (2C) (3)

Lead Independent Director
General Partner of MFLP

DONALD PAUL (1) (3C)

Independent Director
Executive Director of the Energy Institute,
The William M. Keck Chair of Energy Resources &
Research, Professor of Engineering at the University
of Southern California

RAJATH SHOURIE (1) (2)

Independent Director
Retired

A.T. (TREM) SMITH

Executive Chairman

(C) Committee Chair
(1) Audit Committee
(2) Compensation Committee
(3) Nominating & Corporate Governance Committee

INVESTOR RELATIONS

Todd Crabtree

Berry Corporation (bry)
16000 N. Dallas Pkwy, Ste 500
Dallas, TX 75248
(661) 616-3811
ir@bry.com

TRANSFER AGENT/REGISTRAR

American Stock Transfer & Trust Company, LLC

6201 15th Avenue
Brooklyn, NY 11219

SHAREHOLDER SERVICES

(718) 921-8124
astfinancial.com

SECURITIES

Berry Common Stock is traded on
Nasdaq under the symbol BRY.

ANNUAL REPORT ON FORM 10-K FOR 2022

Our Form 10-K is included in this document in its entirety as filed with the SEC. Upon request to Investor Relations, we will deliver free of charge a copy of our Form 10-K.

TOTAL SHAREHOLDER RETURN PERFORMANCE GRAPH

Page 10 of this annual report includes a performance graph comparing the cumulative total return to shareholders on our common stock relative to the cumulative total returns of the S&P Smallcap 600, the Dow Jones U.S. Exploration and Production indexes and the Vanguard Energy ETF (with reinvestment of all dividends).

DIVIDEND PAYMENT DATES - 2023

Quarterly fixed dividends on common stock are paid, following declaration by the Board of Directors, on approximately the 25th day of March, May, August and November. Any variable dividends declared by the Board pursuant to our new shareholder return model will be paid on such dates established by the Board.

INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

KPMG LLP

Dallas, TX
kpmg.com

CAUTIONARY NOTE ON FORWARD-LOOKING STATEMENTS

This report includes forward-looking statements involving risks and uncertainties that could materially affect our expected results of operations, financial position, liquidity, cash flows, business strategy and business prospects, including potential growth opportunities, development and production plans, capital requirements, expected production and costs, reserves, hedging activities, return of capital, and other guidance. Factors (but not necessarily all the factors) that could cause actual results to differ from anticipated results include: oil and gas price volatility; inability to generate or to obtain financing to fund capital expenditures, meet working capital requirements and fund planned investments; price and availability of natural gas; ability to hedge price risk; and the need to comply with the hedging requirements under our credit agreement; availability and timing of required permits and approvals and our inability to meet existing or new conditions imposed on those permits and approvals; ability to meet our planned drilling schedule and drilling risks; the impact of current laws and regulations, and of pending or future legislative or regulatory changes, including those related to the drilling, completion, stimulation, operation, maintenance or abandonment of wells or facilities, managing energy, water, land, greenhouse gases or other emissions, protection of health, safety and the environment, or transportation, marketing and sale of our products; proved reserves estimation uncertainties; ability to replace our reserves; lower-than-expected production or reserves from development projects or higher-than-expected decline rates; economic viability of drilled wells; changes in tax laws; competition; ability to make successful acquisitions; electricity price fluctuations and steam costs; and other material risks that appear in "Item 1A – Risk Factors" of our Form 10-K and other periodic reports filed with the SEC.



INVESTOR RELATIONS

Berry Corporation (bry) 16000 N. Dallas Pkwy, Ste 500 Dallas, Texas 75248 (661) 616 - 3811 ir@bry.com
www.bry.com