

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| OMB APPROVAL | |
|----------------------------------------------|-----------|
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| 1. Name and Address of Reporting Person* CRAWFORD GEORGE T (Last) (First) (Middle) C/O BERRY PETROLEUM COMPANY 5201 TRUXTUN AVE. (Street) BAKERSFIELD CA 93309 (City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol BERRY PETROLEUM CO [BRY] | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) Snr VP of CA Production |
| | 3. Date of Earliest Transaction (Month/Day/Year) 12/31/2010 | |
| | 4. If Amendment, Date of Original Filed (Month/Day/Year) | |

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | | 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) | | | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|---|-------------------------------------------------------------------|------------|-------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------|
| | | | Code | V | Amount | (A) or (D) | Price | | | |
| Class A Common Stock | | | | | | | | 1,969 | D | |
| Class A Common Stock | 12/31/2010 | | J | | 2 ⁽⁹⁾ | D | \$0 | 3,886 | I | Held in 401(k) Plan |

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | | 6. Date Exercisable and Expiration Date (Month/Day/Year) | | 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
|--------------------------------------------|--------------------------------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|---|----------------------------------------------------------------------------------------|-----|----------------------------------------------------------|---------------------------|-----------------------------------------------------------------------------------|--------------------------------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------|
| | | | | Code | V | (A) | (D) | Date Exercisable | Expiration Date | | | | | |
| Nonstatutory Stock Option 12-6-02 | \$8.25 | | | | | | | 12/06/2003 | 12/06/2012 | Class A Common Stock | | 20,000 | D | |
| Nonstatutory Stock Option 12-05-03 | \$9.97 | | | | | | | 12/05/2004 | 12/05/2013 | Class A Common Stock | | 40,000 | D | |
| Nonstatutory Stock Option 11-23-04 | \$21.58 | | | | | | | 11/23/2005 | 11/23/2014 | Class A Common Stock | | 40,000 | D | |
| Nonstatutory Stock Option 12-15-05 | \$30.645 | | | | | | | 12/15/2006 | 12/15/2015 | Class A Common Stock | | 20,000 | D | |
| Nonstatutory Stock Option 12-15-06 | \$32.565 | | | | | | | 12/15/2007 | 12/14/2016 | Class A Common Stock | | 20,000 | D | |
| 2007 Restricted Stock Unit ⁽¹⁾ | \$0 ⁽²⁾ | | | | | | | 12/14/2008 ⁽³⁾ | 12/13/2017 ⁽⁴⁾ | Class A Common Stock | | 4,759 | D | |
| NSO 2007 | \$43.61 | | | | | | | 12/14/2008 | 12/13/2017 | Class A Common Stock | | 14,279 | D | |
| 2008 Restricted Stock Units ⁽⁵⁾ | \$0 ⁽⁶⁾ | | | | | | | 12/12/2009 ⁽⁷⁾ | 12/11/2018 ⁽⁸⁾ | Class A Common Stock | | 26,667 | D | |
| 2009 Restricted Stock Units | \$0 | | | | | | | 12/11/2010 | 12/11/2019 | Class A Common Stock | | 19,594 | D | |
| Perf Based RSUs 3-16-10 | \$0 | | | | | | | 12/31/2012 | 12/31/2012 | Class A Common Stock | | 8,261 | D | |

Explanation of Responses:

1. 1 for 1
2. Each RSU represents a contingent right to receive one share of Berry Petroleum Company Class A Common Stock
3. The RSU granted vest 25% per year beginning one year after grant but the receipt of shares are subject to a deferral period which is generally at least four years from grant date as per the deferral election.
4. The RSU is subject to a deferral election. Shares of Class A Common Stock will be delivered to the reporting person as per the terms of the deferral election.
5. 1 for 1
6. Each RSU represents a contingent right to receive one share of Berry Petroleum Company Class A Common Stock
7. The RSU granted vest 25% per year beginning one year after grant but the receipt of shares are subject to a deferral period which is generally at least four years from grant date as per the deferral election.
8. The RSU is subject to a deferral election. Shares of Class A Common Stock will be delivered to the reporting person as per the terms of the deferral election.
9. Changes in the number of shares of Common Stock held in the individuals 401(k) account due to required maintenance of cash position. All transactions were at market and non-discretionary.

Kenneth A Olson under POA
for George Crawford

01/04/2011

** Signature of Reporting Person

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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