

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

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

1. Name and Address of Reporting Person* <u>HEINEMANN ROBERT</u> <hr/> (Last) (First) (Middle) <u>C/O BERRY PETROLEUM COMPANY</u> <u>1999 BROADWAY, SUITE 3700</u> <hr/> (Street) <u>DENVER CO 80202</u> <hr/> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>BERRY PETROLEUM CO [ BRY ]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <p style="text-align: center;"><b>President and CEO</b></p>
	3. Date of Earliest Transaction (Month/Day/Year) <u>12/15/2010</u>	
	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	12/15/2010		M		5,000 <sup>(15)</sup>	A	\$42.895	130,791	D	
Class A Common Stock	12/15/2010		J		155 <sup>(17)</sup>	D	\$0	12,089	I	Held in 401(k) Plan
Class A Common Stock	12/17/2010		S		2,045 <sup>(18)</sup>	D	\$43.0874	128,746	D	

**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 Options 12-2-02	\$8.07							12/02/2002	12/02/2012	Class A Common Stock	10,000	10,000	D	
Nonstatutory Stock Options 12-2-03	\$9.61							12/02/2003	12/02/2013	Class A Common Stock	10,000	10,000	D	
Nonstatutory Stock Option 6-16-04	\$14.375							06/16/2005	06/16/2014	Class A Common Stock	200,000	200,000	D	
Nonstatutory Stock Option 11-23-04	\$21.58							11/23/2005	11/23/2014	Class A Common Stock	130,000	130,000	D	
Nonstatutory Stock Option 12-15-05	\$30.645							12/15/2006	12/15/2015	Class A Common Stock	150,000	150,000	D	
Phantom Stock Units <sup>(1)</sup>	\$0							08/08/1988	08/08/1988	Class A Common Stock	3,169	3,169 <sup>(2)</sup>	D	
Nonstatutory Stock Option 12-15-06	\$32.565							12/15/2007	12/14/2016	Class A Common Stock	175,000	175,000	D	
2007 Restricted Stock Unit <sup>(3)</sup>	\$0 <sup>(4)</sup>							12/14/2008 <sup>(5)</sup>	12/13/2017 <sup>(6)</sup>	Class A Common Stock	29,810	29,810	D	
NSO 2007	\$43.61							12/14/2008	12/13/2017	Class A Common Stock	89,470	89,470	D	
2008 Restricted Stock Units <sup>(7)</sup>	\$0 <sup>(8)</sup>							12/12/2009 <sup>(9)</sup>	12/11/2018 <sup>(10)</sup>	Class A Common Stock	173,333	173,333	D	
2009 Restricted Stock Units	\$0							12/11/2010	12/11/2019	Class A Common Stock	97,034	97,034	D	

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(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	Title	Amount or Number of Shares				
Perf Based RSUs 3-16-10 <sup>(11)</sup>	\$0 <sup>(12)</sup>							12/31/2012 <sup>(13)</sup>	12/31/2012	Class A Common Stock	42,060		42,060 <sup>(14)</sup>	D	
2006 Restricted Stock Units	\$0	12/15/2010		M		5,000 <sup>(16)</sup>		12/15/2007	12/14/2016	Class A Common Stock	5,000	\$42.895	0	D	

**Explanation of Responses:**

1. 1 for 1
2. Phantom Stock Units acquired under the Company's Non-Employee Director Deferred Compensation Plan in a transaction exempt under Rule 16b-3(c). Shares of Common Stock are issued under terms of the Plan upon resignation from the board of directors.
3. 1 for 1
4. Each RSU represents a contingent right to receive one share of Berry Petroleum Company Class A Common Stock
5. 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.
6. 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.
7. 1 for 1
8. Each RSU represents a contingent right to receive one share of Berry Petroleum Company Class A Common Stock
9. 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.
10. 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.
11. 1 for 1
12. Each RSU represents a contingent right to receive one share of Berry Petroleum Company Class A Common Stock if certain pre-established performance factors, as set forth in the Company's Form 8-K dated March 18, 2010, are met.
13. Each RSU represents a contingent right to receive one share of Berry Petroleum Company Class A Common Stock if certain pre-established performance factors, as set forth in the Company's Form 8-K dated March 18, 2010, are met.
14. Per the Agreement this is the maximum number of performance based RSUs that may be received if all performance factors are achieved as outlined in the Form 8-K dated March 18, 2010.
15. Vested shares issued pursuant to Rule 16b-3 plan.
16. Vesting of 25% of RSUs granted 12-15-2006 under a Rule 16b-3 Plan
17. 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.
18. Shares sold to cover taxes on RSU vesting under Rule 16b-3 Plan.

Kenneth A Olson under POA for 12/17/2010  
Robert Heinemann

\*\* 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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