

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

<b>OMB APPROVAL</b>	
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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>Ayers William B</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> <hr/> 3. Date of Earliest Transaction (Month/Day/Year) <u>03/16/2010</u> <hr/> 4. If Amendment, Date of Original Filed (Month/Day/Year)	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) <u>VP of Human Resources</u> <hr/> 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person
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**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							2,590	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		Date Exercisable	Expiration Date					
Non-Statutory Stock Option 5-18-06	\$31.615						05/18/2007	05/17/2016	Class A Common Stock	10,000	10,000	D	
Nonstatutory Stock Option 12-15-06	\$32.565						12/15/2007	12/14/2016	Class A Common Stock	5,000	5,000	D	
2006 Restricted Stock Units <sup>(1)</sup>	\$0 <sup>(2)</sup>						12/15/2007 <sup>(3)</sup>	12/14/2016 <sup>(4)</sup>	Class A Common Stock	1,250	1,250	D	
2007 Restricted Stock Unit <sup>(5)</sup>	\$0 <sup>(6)</sup>						12/14/2008 <sup>(7)</sup>	12/13/2017 <sup>(8)</sup>	Class A Common Stock	2,294	2,294	D	
NSO 2007	\$43.61						12/14/2008	12/13/2017	Class A Common Stock	6,880	6,880	D	
2008 Restricted Stock Units <sup>(9)</sup>	\$0 <sup>(10)</sup>						12/12/2009 <sup>(11)</sup>	12/11/2018 <sup>(12)</sup>	Class A Common Stock	12,333	12,333	D	
2009 Restricted Stock Units	\$0						12/11/2010	12/11/2019	Class A Common Stock	7,091	7,091	D	
Perf Based RSUs 3-16-10 <sup>(13)</sup>	\$0 <sup>(14)</sup>	03/16/2010		A		3,004 <sup>(15)</sup>	12/31/2012 <sup>(16)</sup>	12/31/2012	Class A Common Stock	3,004	\$0	3,004	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 restricted stock units vests in four equal annual installments beginning December 15, 2007. Shares of Class A Common Stock will be delivered to the reporting person at the time of vesting.
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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. 1 for 1
10. Each RSU represents a contingent right to receive one share of Berry Petroleum Company Class A Common Stock
11. 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.
12. 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.
13. 1 for 1

14. 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.

15. 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.

16. 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.

Kenneth A. Olson under POA for  
W. B. Ayers 03/18/2010

\*\* 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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