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FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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

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

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			or Section 30(h) of the Investment Company Act of 1940				
1. Name and Addres OLSON KEN	1 0	Person*	2. Issuer Name and Ticker or Trading Symbol BERRY PETROLEUM CO [BRY]		ationship of Reporting Pe (all applicable) Director Officer (give title	erson(s) to Issuer 10% Owner Other (specify	
(Last) C/O BERRY PE 5201 TRUXTUN			3. Date of Earliest Transaction (Month/Day/Year) 09/23/2004		below) below) Corporate Secretary/Treasurer		
(Street) BAKERSFIELD (City)	CA (State)	93309 (Zip)	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indiv Line) X	vidual or Joint/Group Fili Form filed by One Re Form filed by More th Person	porting Person	

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

I. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)			4. Securities / Disposed Of (5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership
			Code	v	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		(Instr. 4)
Class A Common Stock	09/23/2004		М		5,000(1)	A	\$19.375	8,430	D	
Class A Common Stock	09/23/2004		F		3,463(1)	D	\$37.13	4,967	D	
Class A Common Stock	09/24/2004		S		1,000	D	\$37.74	3,967	D	

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

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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. Transa Code (8)		of Deri Sec Acq (A) o Disp of (E	oosed D) tr. 3, 4	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						
Nonstatutory Stock Option (Right to Buy) NSO	\$19.375	09/23/2004		M ⁽¹⁾			5,000	12/05/1998	12/05/2007	Class A Common Stock	5,000	\$0 ⁽¹⁾	0	D			
Nonstatutory Stock Option (Right to Buy) NSO	\$15.69							12/02/2001	12/02/2010	Class A Common Stock	6,000		6,000	D			
Nonstatutory Stock Option (Right to Buy) NSO	\$16.3							12/07/2002	12/07/2011	Class A Common Stock	4,500		4,500	D			
Nonstatutory Stock Option (Right to Buy) NSO	\$16.5							12/06/2003	12/06/2012	Class A Common Stock	3,000		3,000	D			
Nonstatutory Stock Option (Right to Buy) NSO	\$19.94							12/05/2004	12/05/2013	Class A Common Stock	5,000		5,000	D			

Explanation of Responses:

1. Exercise of Stock Options under the Company's 1994 Stock Option Plan in a transaction exempt under Rule 16b.

Remarks:

Kenneth A. Olson

** Signature of Reporting Person

09/27/2004

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.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.