RSP Permian, Inc. Form 4 January 06, 2017

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB 3235-0287

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OMB APPROVAL

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obligations

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

(Print or Type Responses)

1(b).

1. Name and Ad Mutrie Jame		orting Person *	2. Issuer Name and Ticker or Trading Symbol RSP Permian, Inc. [RSPP]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction				
3141 HOOD STREET, SUITE 500			(Month/Day/Year) 01/04/2017	Director 10% Owner Officer (give title Other (specify below) V.P. and General Counsel			
(Street) DALLAS, TX 75219			4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			
			Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			
(City)	(State)	(Zip)	Table I Non Derivative Securities Ac	quired Disposed of or Rapaficially Owner			

(City)	(State) (2	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owner								
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any	3. Transactio	4. Securities Acquired on(A) or Disposed of (D)			5. Amount of Securities Beneficially	6. Ownership Form: Direct (D) or	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
		(Month/Day/Year)	(Instr. 8)	(Instr. 3, 4 and 5) (A)		Owned Following Reported	Indirect (I) (Instr. 4)			
			Code V	Amount	or (D)	Price	Transaction(s) (Instr. 3 and 4)			
Common Stock	01/04/2017		A(1)	15,960	A	\$0	53,801	D		
Common Stock	01/04/2017		F(2)	4,498	D	\$0	49,303	D		

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

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

1. Title of	f 2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Title	e and	8. Price of	9. Nu
Derivativ	e Conversion	(Month/Day/Year)	Execution Date, if	Transacti	orNumber	Expiration Date		Amou	nt of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securi	ties	(Instr. 5)	Bene
	Derivative				Securities			(Instr.	3 and 4)		Owne
	Security				Acquired						Follo
					(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									Amount		
									Amount		
						Date	Expiration		or Number		
						Exercisable	Date		of		
				Code V	(A) (D)				Shares		
				Code v	(A) (D)				Shares		

Reporting Owners

Relationships Reporting Owner Name / Address

> Officer Other Director 10% Owner

Mutrie James E. 3141 HOOD STREET, SUITE 500 DALLAS, TX 75219

V.P. and General Counsel

Signatures

/s/ James E. 01/06/2017 Mutrie

**Signature of Date Reporting Person

Explanation of Responses:

- 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).
- These securities are performance based restricted stock awards issued under the issuer's 2014 Long Term Incentive Plan. All of these performance based restricted shares vested after the time-based vesting schedule was met on December 31, 2016 and upon certification by the issuer's Compensation Committee of attainment of the applicable performance conditions and adjustment of the target number of shares on January 4, 2017.
- (2) Withheld for the payment of tax liabilities in connection with the vesting of a restricted stock grant issued in accordance with Rule 16b-3. Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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