RSP Permian, Inc. Form 4 March 11, 2016

# FORM 4

## OMB APPROVAL

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

OMB Number: 3235-0287

January 31,

Check this box if no longer subject to Section 16. Form 4 or ashington, D.C. 20549 Number:

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Form 5 obligations may continue. See Instruction Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

1(b).

Stock

(Print or Type Responses)

1. Name and A Mutrie Jame	Address of Reporting es E.	Symbol	2. Issuer Name and Ticker or Trading Symbol RSP Permian, Inc. [RSPP]				5. Relationship of Reporting Person(s) to Issuer				
(Last) 3141 HOOI	(First) (N	(Month/D	3. Date of Earliest Transaction (Month/Day/Year) 03/09/2016				(Check all applicable)  Director 10% OwnerX_ Officer (give title Other (specify below)  V.P. and General Counsel				
DALLAS, T	(Street)  TX 75219		4. If Amendment, Date Original Filed(Month/Day/Year)					6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			
(City)	(State)	(Zip) Tabl	e I - Non-D	erivative	Secur	ities Acq	uired, Disposed of	f, or Beneficial	ly Owned		
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)		3. Transactio Code (Instr. 8)	4. Securin(A) or Di (Instr. 3,	ispose	d of (D)	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)		
Common	03/09/2016		S	3,789	D	26.38	38,607	D			

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

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SEC 1474

(9-02)

(1)

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	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Titl	e and	8. Price of	9. Nu
	Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	orNumber	Expiration D	ate	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)	Derivativ	e		Securi	ities	(Instr. 5)	Bene
		Derivative				Securities	S		(Instr.	3 and 4)		Owne
		Security				Acquired						Follo
		•				(A) or						Repo
						Disposed						Trans
						of (D)						(Instr
						(Instr. 3,						,
						4, and 5)						
										Amount		
						Date	Expiration		or			
							Exercisable	Date	Title Number	Number		
									of			
					Code V	(A) (D)				Shares		

## **Reporting Owners**

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Mutrie James E.

3141 HOOD STREET, SUITE 500 V.P. and General Counsel

DALLAS, TX 75219

## **Signatures**

/s/ James E. Mutrie,

attorney-in-fact 03/11/2016

\*\*Signature of Reporting Person D

### **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).

On March 9, 2016, Mr. Mutrie sold 3,789 shares in multiple trades at prices ranging from \$26.38 to \$26.39. The price reported above reflects the weighted average sale price. The reporting person hereby undertakes to provide to the Securities and Exchange Commission staff, the issuer or any security holder of the issuer, upon request, full information regarding the number of shares and prices at which the transaction was effected.

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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