Wallace Michael W. Form 4 February 16, 2018

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL

OMB 3235-0287 Number:

Expires:

January 31, 2005

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Check this box if no longer subject to Section 16. Form 4 or Form 5

obligations

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 1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Wallace Michael W.			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	(Check an applicable)				
3141 HOOD	STREET, S	STE 500	(Month/Day/Year) 02/15/2018	_X_ Director _X_ 10% OwnerOfficer (give title below)				
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check				
DALLAS, TX 75219			Filed(Month/Day/Year)	Applicable Line) Form filed by One Reporting Person _X_ Form filed by More than One Reporting Person				
(City)	(State)	(Zip)	Table I - Non-Derivative Securities Ac	quired, Disposed of, or Beneficially Owned				

(City)	(State) (Z	Zip) Table	e I - Non-D	erivative S	Securi	ties Ac	quired, Disposed	of, or Beneficia	lly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	ansaction Date 2A. Deemed th/Day/Year) Execution Date, if any (Month/Day/Year)		3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5) (A) or Code V Amount (D) I			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 Stock	02/15/2018		A(1)	5,343	A	Price	27,781	I	See Footnote (2)
Common Stock							82,109	I	See Footnote (3)
Common Stock							8,126,626	I	See Footnote (4)
Common Stock							2,166,152	I	See Footnote (5)

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Common Stock	500	I	See Footnote
Common Stock	300	I	See Footnote (7)

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

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9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr

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)	4. Transac Code (Instr. 8	OI SI A (A D OI (I	Number		ate	Secur	ınt of rlying	8. Price of Derivative Security (Instr. 5)
			Code	V (/	A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
Wallace Michael W. 3141 HOOD STREET, STE 500 DALLAS, TX 75219	X	X					
Wallace Leslyn M. 508 W. WALL STREET, SUITE 1200 MIDLAND, TX 79701		X					

Signatures

/s/ James E. Mutrie, attorney-in-fact for Michael W. Wallace 02/16/2018

**Signature of Reporting Person Date

Reporting Owners 2

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).
- (1) Restricted stock grant that will vest on February 15, 2019.
- (2) These securities are held of record by Michael W. Wallace. Leslyn M. Wallace, Mr. Wallace's spouse, disclaims beneficial ownership of these securities except to the extent of her pecuniary interest therein.
- (3) These securities are held of record by Mrs. Wallace. Mr. Wallace disclaims beneficial ownership of these securities except to the extent of his pecuniary interest therein.
 - These securities are held by Wallace Family Partnership, ("Wallace LP"). Michael Wallace Management, LLC ("Wallace Management") is the general partner of Wallace LP, and Mr. Wallace and Mrs. Wallace are the managers of Wallace Management. Accordingly, each of
- (4) Mr. and Mrs. Wallace may be deemed to share voting and dispositive power over the reported securities of Wallace LP, and as a result may be deemed to beneficially own the reported securities of Wallace LP. Each of Mr. and Mrs. Wallace disclaim beneficial ownership of the reported securities of Wallace LP except to the extent of his or her pecuniary interest therein.
 - These securities are held of record by Collins & Wallace Holdings, LLC. Ted Collins, Jr. and Wallace LP are the members of Collins & Wallace Holdings, LLC. Wallace Management is the general partner of Wallace LP, and Mr. and Mrs. Wallace are the managers of
- Wallace Management. Accordingly, Mr. Collins and Mr. and Mrs. Wallace may be deemed to share voting and dispositive power over the reported securities of Collins & Wallace Holdings, LLC, and as a result may be deemed to beneficially own the reported securities of Collins & Wallace Holdings, LLC. Each of Mr. and Mrs. Wallace disclaim beneficial ownership of the reported securities except to the extent of his or her pecuniary interest therein.
- (6) These securities were purchased by Mr. Wallace as custodian for a minor child under the Uniform Transfer to Minors Act. Mr. Wallace disclaims beneficial ownership of these securities except to the extent of his pecuniary interest therein.
- (7) These securities are held by a member of Mr. and Mrs. Wallace's immediate family sharing the same household. Mr. and Mrs. Wallace disclaim beneficial ownership of these securities except to the extent of their pecuniary interest therein.

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.