RSP Permian, Inc. Form 4 November 25, 2016

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB Number:

3235-0287

Expires:

January 31, 2005

0.5

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response...

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

obligations

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

(Middle)

1(b).

(Last)

(Print or Type Responses)

1. Name and Address of Reporting Person * Collins Ted Jr

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

RSP Permian, Inc. [RSPP]

(Check all applicable)

508 W. WALL STREET, SUITE

(Street)

(First)

3. Date of Earliest Transaction (Month/Day/Year)

11/22/2016

_X__ Director Officer (give title

below)

_X__ 10% Owner __ Other (specify

1200

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

Filed(Month/Day/Year)

MIDLAND, TX 79701

| (City) | (State) | (Zip) Tabl | le I - Non-I | Derivative | Securi | ities Acqu | uired, Disposed of | f, or Beneficial | ly Owned |
|--------------------------------------|---|---|---|-------------------|-----------|---|---------------------------------|---|------------------|
| 1.Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8) | | | 5. Amount of Securities Ownership Beneficially Form: Direct Owned (D) or Following Indirect (I) Reported (Instr. 4) | | 7. Nature of Indirect Beneficial Ownership (Instr. 4) | |
| | | | Code V | Amount | or (D) | Price | Transaction(s) (Instr. 3 and 4) | | |
| Common Stock | 11/22/2016 | | S | 16,400 | D | 42.19 (1) (2) | 8,405,688 | D | |
| Common Stock | 11/22/2016 | | S | 600 | D | \$ 42.77 (2) (3) | 8,405,088 | D | |
| Common Stock | | | | | | | 1,000 | I | By spouse (4) |
| Common Stock | | | | | | | 2,166,152 | I | See footnote (5) |

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

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SEC 1474 (9-02)

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

| 1. Title of | 2. | 3. Transaction Date | 3A. Deemed | 4. | 5. | 6. Date Exerc | cisable and | 7. Title an | d 8. Price of | 9. Nu |
|-------------|-------------|---------------------|--------------------|------------|------------|---------------|-------------|--------------|---------------|--------|
| Derivative | Conversion | (Month/Day/Year) | Execution Date, if | Transacti | orNumber | Expiration D | ate | Amount of | f Derivative | Deriv |
| Security | or Exercise | | any | Code | of | (Month/Day/ | Year) | Underlyin | g Security | Secui |
| (Instr. 3) | Price of | | (Month/Day/Year) | (Instr. 8) | Derivative | e | | Securities | (Instr. 5) | Bene |
| | Derivative | | | | Securities | | | (Instr. 3 ar | nd 4) | Own |
| | Security | | | | Acquired | | | | | Follo |
| | · | | | | (A) or | | | | | Repo |
| | | | | | Disposed | | | | | Trans |
| | | | | | of (D) | | | | | (Instr |
| | | | | | (Instr. 3, | | | | | |
| | | | | | 4, and 5) | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | ount | |
| | | | | | | Date | Expiration | or | | |
| | | | | | | Exercisable | Date | Title Number | mber | |
| | | | | | | | | of | | |
| | | | | Code V | (A) (D) | | | Sha | ires | |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | | | | |
|--|---------------|-----------|---------|-------|--|--|--|
| • | Director | 10% Owner | Officer | Other | | | |
| Collins Ted Jr 508 W. WALL STREET, SUITE 1200 | X | X | | | | | |
| MIDLAND, TX 79701 | Λ | Λ | | | | | |

Signatures

/s/ James E. Mutrie, attorney-in-fact for Ted Collins, Jr.

11/25/2016

Date

**Signature of 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).

On November 22, 2016, pursuant to a plan of disposition adopted in accordance with Rule 10b5-1 of the Securities Exchange Act of 1934 (the "10b5-1 Plan"), Mr. Collins sold 16,400 shares in multiple trades at prices ranging from \$41.71 to \$42.44. The price reported above

- (1) reflects the weighted average sale price. Mr. Collins hereby undertakes to provide to the Securities and Exchange Commission staff (the "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.
- The first sale under the 10b5-1 Plan was on March 29, 2016 and the 10b5-1 Plan provides for twice-monthly sales of Mr. Collins' shares at or above a minimum share price of \$26.00 per share on randomly pre-determined dates ("Trade Date"). No more than 500,000 shares may be sold in the aggregate under the 10b5-1 Plan and no more than 100,000 shares may be sold on any Trade Date. The 10b5-1 Plan terminates no later than November 22, 2016, regardless of whether the maximum of 500,000 shares in the aggregate have been sold.

Reporting Owners 2

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- On November 22, 2016, pursuant to the 10b5-1 Plan, Mr. Collins sold 600 shares in multiple trades at prices ranging from \$42.72 to \$42.81. The price reported above reflects the weighted average sale price. Mr. Collins hereby undertakes to provide to the 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.
- (4) These securities are held of record by Mr. Collins' spouse. Mr. Collins disclaims beneficial ownership of these securities except to the extent of his pecuniary interest therein.
 - These securities are held of record by Collins & Wallace Holdings, LLC. Mr. Collins and Wallace Family Partnership, LP are the members of Collins & Wallace Holdings, LLC. Accordingly, Mr. Collins may be deemed to share voting and dispositive power over the
- (5) 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. Mr. Collins disclaims beneficial ownership of the reported securities in excess of his pecuniary interests 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.