RSP Permian, Inc. Form 4 June 30, 2016

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

January 31, 2005

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See Instruction

Check this box

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

30(h) of the Investment Company Act of 1940

1(b).

(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) | | | |
| (Last) | (First) | (Middle) | 3. Date of Earliest Transaction | | | | |
| | | | (Month/Day/Year) | X DirectorX 10% Owner | | | |
| 508 W. WALL STREET, SUITE 1200 | | Γ, SUITE | 06/28/2016 | Officer (give title Other (specify below) | | | |
| | (Street) | | 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 | | | |
| MIDLAND, TX 79701 | | | | Form filed by More than One Reporting Person | | | |

| (City) | (State) | (Zip) Tabl | e I - Non-I | Derivative S | Securi | ties Acqu | ired, Disposed of | , or Beneficial | y Owned |
|--------------------------------------|---|------------|---|--------------|-----------|--|--|---|---------------|
| 1.Title of Security (Instr. 3) | 2. Transaction Date 2A. Deemed (Month/Day/Year) 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) | | of (D) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) | |
| | | | Code V | Amount | or (D) | Price | (Instr. 3 and 4) | | |
| Common Stock | 06/28/2016 | | S | 21,000 | D | \$ 33.6 (1) (2) | 8,632,088 | D | |
| Common Stock | 06/29/2016 | | S | 10,600 | D | \$ 34.36 (2) (3) | 8,621,488 | D | |
| Common Stock | 06/29/2016 | | S | 10,400 | D | \$ 34.86 (2) (4) | 8,611,088 | D | |
| Common Stock | | | | | | | 1,000 | I | By spouse (5) |
| | | | | | | | 2,166,152 | I | |

Common See Stock Footnote (6)

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

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 control number.

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 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. Transact Code (Instr. 8) | 5. ionNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | | ate | 7. Titl Amou Under Secur (Instr. | nt of lying | 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 | | | | | | |
|--------------------------------|---------------|-----------|---------|-------|--|--|--|
| . 9 | Director | 10% Owner | Officer | Other | | | |
| Collins Ted Jr | | | | | | | |
| 508 W. WALL STREET, SUITE 1200 | X | X | | | | | |
| MIDLAND, TX 79701 | | | | | | | |

Signatures

/s/ James E. Mutrie, attorney-in-fact for Ted Collins, Jr. 06/30/2016

**Signature of Reporting Person Date

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 June 28, 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 21,000 shares in multiple trades at prices ranging from \$33.37 to \$34.09. 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.

Reporting Owners 2

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- 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.
- On June 29, 2016, pursuant to the 10b5-1 Plan, Mr. Collins sold 10,600 shares in multiple trades at prices ranging from \$33.67 to \$34.66.

 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.
- On June 29, 2016, pursuant to the 10b5-1 Plan, Mr. Collins sold 10,400 shares in multiple trades at prices ranging from \$34.67 to \$35.10.

 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.
- (5) 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
- (6) 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.