RSP Permian, Inc. Form 5 February 13, 2015

OMB APPROVAL FORM 5 **OMB** UNITED STATES SECURITIES AND EXCHANGE COMMISSION 3235-0362 Number: Washington, D.C. 20549 Check this box if January 31, Expires: no longer subject 2005 to Section 16. Estimated average ANNUAL STATEMENT OF CHANGES IN BENEFICIAL Form 4 or Form burden hours per 5 obligations OWNERSHIP OF SECURITIES response... 1.0 may continue. See Instruction Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, 1(b). Form 3 Holdings Section 17(a) of the Public Utility Holding Company Act of 1935 or Section Reported 30(h) of the Investment Company Act of 1940 Form 4 Transactions Reported 1. Name and Address of Reporting Person * 2. Issuer Name and Ticker or Trading 5. Relationship of Reporting Person(s) to Issuer Daugbjerg Erik B Symbol RSP Permian, Inc. [RSPP] (Check all applicable) 3. Statement for Issuer's Fiscal Year Ended (Last) (First) (Middle) (Month/Day/Year) Director 10% Owner _ Officer (give title X 12/31/2014 Other (specify below) below) 3141 HOOD STREET, SUITE 500 VP of O&G Mktg/Bus.Dev. (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Reporting Filed(Month/Day/Year) (check applicable line) DALLAS. TXÂ 75219 _X_ Form Filed by One Reporting Person Form Filed by More than One Reporting Person (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 4. Securities Acquired 5. Amount of 6. 7. Nature of Security (Month/Day/Year) Transaction (A) or Disposed of (D) Ownership Indirect Execution Date, if Securities (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially Form: Direct Beneficial (Month/Day/Year) (Instr. 8) Owned at end (D) or Ownership of Issuer's Indirect (I) (Instr. 4) Fiscal Year (Instr. 4) (A) (Instr. 3 and or 4) (D) Price Amount Common Â Â J(1)12/31/2014 147,026 \$ ⁽¹⁾ 257,486 D Α Stock Persons who respond to the collection of information SEC 2270 Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly. contained in this form are not required to respond unless (9-02)

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 Exer	cisable and	7. Title and	8. Price of
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transaction	Number	Expiration D	ate	Amount of	Derivative
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underlying	Security
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securities	(Instr. 5)
	Derivative				Securities			(Instr. 3 and 4)	
	Security				Acquired			Ì	
					(A) or				
					Disposed				
					of (D)				
					(Instr. 3,				
					4, and 5)				
					(A) (D)	Date	Expiration	Title Amount	
						Exercisable	Date	or	
								Number	
								of	
								Shares	

D

Reporting Owners

Reporting Owner Name / Address	Relationships						
reporting of their remaining remaining	Director	10% Owner	Officer	Other			
Daugbjerg Erik B 3141 HOOD STREET, SUITE 500 DALLAS, TX 75219	Â	Â	VP of O&G Mktg/Bus.Dev.	Â			

Signatures

/s/ James E. Mutrie, attorney-in-fact for Erik B. Daugbjerg

02/13/2015

**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).

In connection with its impending dissolution, RSP Permian Holdco, L.L.C. ("Holdco") made a pro rata distribution of all of the shares of (1) RSP Permian, Inc.'s common stock, par value \$0.01 per share ("common stock"), that it held to its members. Mr. Daugbjerg received 147,026 shares of common stock pursuant to this distribution from Holdco.

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Remarks:

Exhibit List: Exhibit 24 - Power of Attorney

Note: File three copies of this Form, one of which must be manually signed. If space provided 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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