Gastar Exploration Inc.

Form 4

February 03, 2015

FORM 4

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

OMB Number: 3235-0287

burden hours per

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Expires: January 31, 2005
Estimated average

0.5

OMB APPROVAL

Form 4 or Form 5 obligations may continue. See Instruction

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

response...

See Instri 1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Porter J Russell			2. Issuer Name and Ticker or Trading Symbol Gastar Exploration Inc. [GST]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	(Check all applicable)			
1331 LAMAR	STREET,	SUITE 650	(Month/Day/Year) 01/30/2015	X Director 10% OwnerX Officer (give title Other (specify below) Chief Executive Officer & Pres			
(Street)			4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			
HOUSTON, T	X 77010		Filed(Month/Day/Year)	Applicable Line) _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 Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired on(A) or Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)		
Common Stock	01/30/2015		A	286,458 (1)	A	\$0	1,863,312 (2)	D	
Common Stock	01/30/2015		F	88,094 (3)	D	\$ 2.4	1,775,218 (2)	D	
Common Stock	01/30/2015		M	254,656 (4)	A	\$0	2,029,874 (2)	D	
Common Stock	01/30/2015		F	78,744 (5)	D	\$ 2.4	1,951,130 (2)	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)

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. Transacti Code (Instr. 8)	5. Number of tiorDerivative Securities Acquired (A) or) Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and A Underlying S (Instr. 3 and
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title
Performance Based Units	\$ 0	01/30/2015		M	(A)	127,328	<u>(6)</u>	01/30/2016	Common Stock
Performance Based Units	\$ 0	01/30/2015		J		38,793 (7)	(8)	01/30/2017	Common Stock
Performance Based Units	\$ 0	01/30/2015		A	286,458		(8)	01/30/2018	Common Stock

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Porter J Russell

1331 LAMAR STREET, SUITE 650 X Chief Executive Officer & Pres

HOUSTON, TX 77010

Signatures

/s/ J. Russell Porter, by Michael A. Gerlich as Attorney in Fact

02/03/2015

**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).
- (1) The reported shares were acquired pursuant to a restricted share grant and will vest in three equal annual installments beginning on January 30, 2016.
- (2) Includes 852,540 shares acquired on various dates pursuant to previously reported restricted share grants that will vest subject to previously disclosed vesting schedules.
- (3) Shares forfeited to meet tax obligation of restricted share vesting.
- (4) Common stock acquired as a result of the 2013 performance based unit award vesting and settling at 200% of the target award based on Gastar's share price appreciation over the performance period.

Reporting Owners 2

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- (5) Shares forfeited to meet tax obligation of performance based unit vesting.
- (6) These performance based units ("PBUs") vest ratably over a three year performance period as previously reported.
- (7) These PBUs vested and forfeited as a result of the 2014 PBU award and settling at 0% of the target award based on Gastar's share price depreciation over the performance period.
 - These PBUs vest in their entirety at the end of the three year performance period, with settlement in common stock between 0% and 200% (**subject to limitations discussed in Footnote 8 below) of the target award based on Gastar's share price appreciation over a three
- (8) year performance period relative to a peer index. Share price appreciation is measured generally as the change in market value of common stock during the performance period. The PBUs have no voting rights but provide for dividend equivalents to be paid upon vesting.
- The number of PBUs reported (286,458) represents the target award. As such, the number of shares that may be issued upon vesting ranges from 0 shares to 572,916 shares. **As discussed in Footnote 7 above, at the end of the performance period, the participant may earn up to 200% of the target award, subject to a maximum award limitation of one million (1,000,000) shares that may be issued to any individual in a calendar year under the Gastar Exploration Inc. Long-Term Incentive Plan.

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.