Gastar Exploration Inc.

Form 4

February 02, 2016

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

OMB APPROVAL

Number:

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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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * McCown Michael			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				
1331 LAMAR, SUITE 650			(Month/Day/Year) 01/30/2016	Director 10% OwnerX Officer (give title Other (specify below) Senior VP & COO			
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			
HOUSTON, TX 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	e I - Non-D	erivative S	Securit	ties Acq	uired, Disposed o	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. Transaction Code (Instr. 8)	4. Securit on(A) or Dis (Instr. 3, 4)	sposed	of (D)	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	01/30/2016		F	80,494 (1)	D	\$ 1.19	464,685	D	
Common Stock	01/30/2016		M	89,080 (2)	A	\$0	553,765	D	
Common Stock	01/30/2016		F	31,092 (3)	D	\$ 1.19	522,673	D	

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

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number.

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)	Secu Acqu Disp		6. Date Exerc Expiration D (Month/Day/	ate	7. Title and A Underlying S (Instr. 3 and	Securiti
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amou Numb Share
2013 Performance Based Units	\$ 0	01/30/2016		M		44,540	<u>(4)</u>	01/30/2016	Common Stock	44,5
2014 Performance Based Units	\$ 0	01/30/2016		J		14,368 (5)	<u>(4)</u>	01/30/2017	Common Stock	14,3
2014 Performance Based Units	\$ 0	02/02/2016		J		14,367 (6)	<u>(4)</u>	01/30/2017	Common Stock	14,3
2015 Performance Based Units	\$ 0	02/02/2016		J		145,833 (6)	<u>(7)</u>	01/30/2018	Common Stock	145,

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			

McCown Michael

1331 LAMAR, SUITE 650 Senior VP & COO

HOUSTON, TX 77010

Signatures

/s/ Michael McCown, by Michael A. Gerlich as Attorney in Fact 02/02/2016

**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).
- (1) Shares forfeited to meet tax obligation of restricted share vesting.
- (2) Common stock acquired as a result of the 2013 performance based unit award vesting at 200% of the target award based on Gastar's share price appreciation over the performance period.

Reporting Owners 2

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- (3) Shares forfeited to meet tax obligation of performance based unit vesting.
- (4) These performance based units ("PBUs") vest ratably over a three-year performance period as previously reported.
- (5) These PBUs vested and forfeited as a result of the 2014 PBU award settling at 0% of the target award based on Gastar's share price depreciation over the performance period.
- (6) These PBUs were forfeited in conjunction with reporting person's retirement.
- (7) These PBUs vest in their entirety at the end of a three-year performance period as previously reported.

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.