Gerlich Michael A Form 4 August 03, 2017

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB 3235-0287

OMB APPROVAL

Number:

Expires:

January 31, 2005

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subject to Section 16. Form 4 or Form 5 obligations may continue.

Check this box

if no longer

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)

See Instruction

1. Name and Address of Reporting Person ** Gerlich Michael A			2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer			
(Last) (First) (Middle) 1331 LAMAR, SUITE 650		(Middle)	Gastar Exploration Inc. [GST] 3. Date of Earliest Transaction	(Check all applicable) Director 10% Owner _X_ Officer (give title Other (specify below) Senior VP & CFO			
		550	(Month/Day/Year) 08/01/2017				
	(Street)		4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person			
HOUSTON, TX 77010				Form filed by More than One Reporting Person			
(City)	(State)	(Zip)	Table I - Non-Derivative Securities Ac	equired, Disposed of, or Beneficially Owned			
1 Title of	2 Troppostion	Data 24 Dags	mad 2 A Consuition Apprimad	(A) 5 Amount of 6 7 Noture			

		Tuble 1 Tion Bettitutive Securities Trequired, 2 Species 23, of Beneficiary, 5 in the							
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securities	Acquir	red (A)	5. Amount of	6.	7. Nature of
Security	(Month/Day/Year)	Execution Date, if	Transacti	omr Disposed	of (D)		Securities	Ownership	Indirect
(Instr. 3)		any	Code	(Instr. 3, 4 an	d 5)		Beneficially	Form:	Beneficial
		(Month/Day/Year)	(Instr. 8)				Owned	Direct (D)	Ownership
							Following	or Indirect	(Instr. 4)
					(4)		Reported	(I)	
					(A)		Transaction(s)	(Instr. 4)	
			C 1 17		or	ъ.	(Instr. 3 and 4)		
			Code V	Amount	(D)	Price			
Common Stock	08/01/2017		A	1,200,000 (1)	A	\$0	2,506,043 (2)	D	

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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

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	2.	3. Transaction Date		4.	5.	6. Date Exerc		7. Titl		8. Price of	9. Nu
Derivative Security (Instr. 3)	Conversion or Exercise Price of Derivative Security	(Month/Day/Year)	Execution Date, if any (Month/Day/Year)	Transact Code (Instr. 8)	orNumber of Derivativ Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	:		Amou Under Securi (Instr.	lying	Derivative Security (Instr. 5)	Deriv Secur Bene Own Follo Repo Trans (Instr
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Gerlich Michael A 1331 LAMAR, SUITE 650 HOUSTON, TX 77010

Senior VP & CFO

Signatures

/s/ Michael A.

Gerlich 08/03/2017

**Signature of Person

**Bignature of 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).
- (1) The reported shares were acquired pursuant to a restricted share grant and will vest in five equal annual installments beginning on August 1, 2018.
- (2) Includes 343,902 shares acquired on various dates pursuant to previously reported restricted share grants that will vest subject to previously disclosed vesting schedules.

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.

Reporting Owners 2