

GASTAR EXPLORATION LTD  
 Form 3  
 June 10, 2013

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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**INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES**

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

(Print or Type Responses)

1. Name and Address of Reporting Person * McCown Michael (Last) (First) (Middle)  1331 LAMAR ST, SUITE 650 (Street)  HOUSTON, TX 77010 (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 06/07/2013	3. Issuer Name and Ticker or Trading Symbol GASTAR EXPLORATION LTD [GST]	4. Relationship of Reporting Person(s) to Issuer  (Check all applicable) <input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other (give title below) (specify below) Senior VP & COO	5. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person
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**Table I - Non-Derivative Securities Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Restricted Shares	301,931	D	^
Common shares	12,500	D	^

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

SEC 1473 (7-02)

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**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative	5. Ownership Form of Derivative Security:	6. Nature of Indirect Beneficial Ownership (Instr. 5)
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	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Security	Direct (D) or Indirect (I) (Instr. 5)
Performance Based Units	Â (1)	Â (1)	Common Stock	133,621 (2) (3)	\$ (1)	D Â

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
McCown Michael 1331 LAMAR ST SUITE 650 HOUSTON, TX 77010	Â	Â	Â Senior VP & COO	Â

## Signatures

/s/ Michael A. Gerlich, as Attorney  
in Fact 06/10/2013

\_\_Signature of Reporting Person Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, see Instruction 5(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) Not applicable.

Performance Based Units ("PBUs"): Vesting is ratable over the three year performance period, with settlement in common stock between 0% and 200% (\*\*subject to limitations discussed in Footnote 3 below) of the target award based on Gastar's share price appreciation over a three 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.

- (3) The number of PBUs reported (133,621) represents the target award. As such, the number of shares that may be issued upon vesting ranges from 0 shares to 267,242 shares. \*\*As discussed in Footnote 2 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 Ltd. 2006 Long-Term Stock Incentive Plan, as amended.

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.