

GASTAR EXPLORATION LTD  
 Form 3  
 July 16, 2007

**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 * |         | 2. Date of Event Requiring Statement | 3. Issuer Name <b>and</b> Ticker or Trading Symbol |  |
| Â Penner Robert David                     |         | (Month/Day/Year)                     | GASTAR EXPLORATION LTD [GST]                       |  |
| (Last)                                    | (First) | (Middle)                             | 07/11/2007   |  |
| 1331 LAMAR ST.,Â SUITE                    |         |                                      | 4. Relationship of Reporting Person(s) to Issuer   | 5. If Amendment, Date Original Filed(Month/Day/Year)                   |
| 1080                                      |         |                                      |  |  |
| (Street)                                  |         |                                      | (Check all applicable)                             |  |
| HOUSTON,Â TXÂ 77010                       |         |                                      | <input checked="" type="checkbox"/> Director       | 6. Individual or Joint/Group Filing(Check Applicable Line)             |
| (City)                                    | (State) | (Zip)                                | <input type="checkbox"/> 10% Owner                 | <input checked="" type="checkbox"/> Form filed by One Reporting Person |
|   |         |                                      | <input type="checkbox"/> Officer                   | <input type="checkbox"/> Form filed by More than One Reporting Person  |
|   |         |                                      | (give title below)                                 | (specify below)  |

**Table I - Non-Derivative Securities Beneficially Owned**

|                                    |  |   |  |
|------------------------------------|--|---|--|
| 1. Title of Security<br>(Instr. 4) | 2. Amount of Securities Beneficially Owned<br>(Instr. 4) | 3. Ownership Form:<br>Direct (D)<br>or Indirect (I)<br>(Instr. 5) | 4. Nature of Indirect Beneficial Ownership<br>(Instr. 5) |
|------------------------------------|--|---|--|

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

SEC 1473 (7-02)

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.**

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

|   |   |  |  |  |  |
|---|---|--|--|--|--|
| 1. Title of Derivative Security<br>(Instr. 4) | 2. Date Exercisable and Expiration Date<br>(Month/Day/Year) | 3. Title and Amount of Securities Underlying Derivative Security<br>(Instr. 4) | 4. Conversion or Exercise Price of Derivative Security | 5. Ownership Form of Derivative Security:<br>Direct (D)<br>or Indirect (I) | 6. Nature of Indirect Beneficial Ownership<br>(Instr. 5) |
|   | Date Exercisable  | Expiration Date  | Title  | Amount or Number of Shares   |  |

(Instr. 5)

Stock Option (right to buy) 07/09/2008<sup>(1)</sup> 07/09/2018 Common Shares 200,000 \$ 2.19 D <sup>^</sup>

## Reporting Owners

| Reporting Owner Name / Address   | Relationships  |              |              |              |
|--|----------------|--------------|--------------|--------------|
|  | Director       | 10% Owner    | Officer      | Other        |
| Penner Robert David<br>1331 LAMAR ST.<br>SUITE 1080<br>HOUSTON, TX 77010 | <sup>^</sup> X | <sup>^</sup> | <sup>^</sup> | <sup>^</sup> |

## Signatures

Michael A. Gerlich, as Attorney  
in Fact 07/16/2007

<sup>^</sup>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) The stock options vest in four equal annual installments beginning 07/09/2008.

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.