

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 or Section 30(h) of the Investment Company Act of 1940

| | | | |
|---|--|---|---|
| 1. Name and Address of Reporting Person* <u>Lawrence G Larry</u> | 2. Date of Event Requiring Statement (Month/Day/Year) <u>01/24/2011</u> | 3. Issuer Name and Ticker or Trading Symbol <u>NATURAL GAS SERVICES GROUP INC [NGS]</u> | |
| | | 4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director _____ 10% Owner _____ <input checked="" type="checkbox"/> Officer (give title below) <u>Principal Financial Officer</u> | 5. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person |
| (Last) (First) (Middle) <u>508 WEST WALL STREET, SUITE 550</u> | | | |
| (Street) <u>MIDLAND TX 79701</u> | | | |
| (City) (State) (Zip) | | | |

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) |
|---------------------------------|---|--|---|
| | | | |

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 Security | 5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---|--|-------------------|---|----------------------------|--|--|---|
| | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | | | |
| <u>Employee Stock Option (right to buy)</u> | <u>01/25/2012⁽¹⁾</u> | <u>01/24/2021</u> | <u>Common Stock</u> | <u>5,000⁽¹⁾</u> | <u>17.81</u> | <u>D</u> | |

Explanation of Responses:

1. Granted pursuant to the Company's 1998 Stock Option Plan. The option vests and becomes exercisable in three equal annual installments beginning on the first anniversary of the grant date. Vesting accelerates under certain circumstances.

/s/ G. Larry Lawrence

01/28/2011

** Signature of Reporting Person

Date

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

* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.