



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

**Post-Effective  
Amendment No. 1  
to**

**Form S-1  
REGISTRATION STATEMENT  
UNDER  
THE SECURITIES ACT OF 1933**

**NATURAL GAS SERVICES GROUP, INC.**

(Exact Name of Registrant as Specified in Its Charter)

**Colorado**  
(State or Other Jurisdiction  
of Incorporation or Organization)

**3533**  
(Primary Standard Industrial  
Classification Code Number)

**75-2811855**  
(I.R.S. Employer  
Identification Number)

**2911 South County Road 1260  
Midland, Texas 79706  
(432) 563-3974**

(Address, Including Zip Code, and Telephone Number, Including Area Code, of Registrant's Principal Executive Offices)

**Stephen C. Taylor**  
**2911 South County Road 1260**  
**Midland, Texas 79706**  
**(432) 563-3974**

(Name, Address, Including Zip Code, and Telephone Number, Including Area Code, of Agent For Service)

*Copy of all communications to:*

**Thomas W. Ortloff**  
**Lynch, Chappell & Alsup, P.C.**  
**300 N. Marienfeld, Suite 700**  
**Midland, Texas 79701**  
**(432) 683-3351**

**Charles H. Still, Jr.**  
**Bracewell & Giuliani LLP**  
**711 Louisiana Street, Suite 2300**  
**Houston, Texas 77002**  
**(713) 223-2300**

**Approximate date of commencement of proposed sale to the public:** As soon as practicable after this registration statement becomes effective.

If any of the securities being registered on this form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, check the following box.

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.  333-130879

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(d) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

**EXPLANATORY NOTE**

This Post-Effective Amendment No. 1 to the Registration Statement is filed solely to add exhibits to the Registration Statement.

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**SIGNATURES**

Pursuant to the requirements of the Securities Act of 1933, the Registrant has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Midland, State of Texas, on March 6, 2006.

NATURAL GAS SERVICES GROUP, INC.

By: /s/ Stephen C. Taylor

Stephen C. Taylor, Chairman of the Board,  
President and Chief Executive Officer

Pursuant to the requirements of the Securities Act of 1933, this registration statement has been signed by the following persons in the capacities and on the dates indicated.

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ Stephen C. Taylor</u> Stephen C. Taylor	Chairman of the Board, President and Chief Executive Officer (Principal Executive Officer)	March 6, 2006
<u>/s/ Charles G. Curtis*</u> Charles G. Curtis	Director	March 6, 2006
<u>/s/ Paul D. Hensley*</u> Paul D. Hensley	Director	March 6, 2006
<u>/s/ William F. Hughes, Jr.*</u> William F. Hughes, Jr.	Director	March 6, 2006
<u>/s/ Gene A. Strasheim*</u> Gene A. Strasheim	Director	March 6, 2006
<u>/s/ Richard L. Yadon*</u> Richard L. Yadon	Director	March 6, 2006
<u>/s/ Earl R. Wait*</u> Earl R. Wait	Vice President — Accounting and Treasurer (Principal Accounting and Principal Financial Officer)	March 6, 2006
*By: <u>/s/ Stephen C. Taylor</u> Stephen C. Taylor <i>as Attorney-in-Fact</i>		

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## EXHIBIT INDEX

<b>Exhibit No.</b>	<b>Description</b>
*5	Opinion of Jackson Kelly PLLC
*23.1	Consent of Jackson Kelly PLLC (contained in Exhibit 5)
*23.2	Consent of Hein & Associates LLP
24.1	Power of Attorney (incorporated by reference to the signature page of Registration Statement on Form S-1 (Registration No. 333-130879))
24.2	Certified copy of resolution of the Board of Directors authorizing officers and directors to sign the Registration Statement by Power of Attorney

\* Previously filed

**CERTIFICATE OF SECRETARY**

The undersigned, Scott W. Sparkman, being the duly elected Secretary of Natural Gas Services Group, Inc., a Colorado corporation (the "Company"), hereby certifies that the following resolution has been duly adopted by the Board of Directors of the Company:

FURTHER RESOLVED, that each officer or director who may be required to execute such Registration Statement, for and on behalf of the Company, be, and such officer or director hereby is, authorized and empowered to execute a power of attorney naming Stephen C. Taylor and Richard L. Yadon his or her true and lawful attorneys-in-fact and agents, with full power of substitution and resubstitution, for him or her and in his or her name, place and stead, in any and all capacities, to sign any or all amendments (including pre-effective or post-effective amendments to the Registration Statement), and to file the same, with all exhibits thereto, and other documents in connection therewith, with the Commission, granting unto said attorneys-in-fact and agents full power and authority to do and perform each and every act and thing requisite and necessary to be done, as fully to all intents and purposes as he might or could do in person.

Dated March 6, 2006

/s/ SCOTT W. SPARKMAN

Scott W. Sparkman

Secretary