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

FORM 8-K

CURRENT REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

Date of Report (Date of earliest event reported): May 10, 2007

NATURAL GAS SERVICES GROUP, INC.

(Exact Name of Registrant as Specified in Its Charter)

Colorado (State or other jurisdiction of Incorporation or organization) 1-31398 (Commission File Number) 75-2811855 (IRS Employer Identification No.)

2911 South County Road 1260 Midland, Texas (Address of Principal Executive Offices)

79706 (Zip Code)

432-563-3974

(Registrant's telephone number, including area code)

Not Applicable

(Former name or former address, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- o Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- o Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- o Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- o Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 2.02. Results of Operations and Financial Condition.

On May 10, 2007, Natural Gas Services Group, Inc. issued a press release announcing its results of operations for the first fiscal quarter ended March 31, 2007. The press release issued on May 10, 2007 is furnished as Exhibit No. 99 to this Current Report on Form 8-K. Natural Gas Services Group's Annual Report to Shareholders and its reports on Forms 10-Q and 8-K and other publicly available information should be consulted for other important information about the registrant.

The information in this Current Report on Form 8-K, including Exhibit No. 99 hereto, shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, or otherwise subject to liability of that section. The information in this Current Report shall not be incorporated by reference into any filing or other document pursuant to the Securities Act of 1933, as amended, except as shall be expressly set forth by specific reference in such filing or document.

Item 9.01. Financial Statements and Exhibits.

(c) Exhibits

The Exhibit listed below is furnished as an Exhibit to this Current Report on Form 8-K.

Exhibit No.	Description of Exhibit
99	Press release issued May 10, 2007 (furnished pursuant to Item 2.02)
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SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

NATURAL GAS SERVICES GROUP, INC.

By: /s/ Stephen C. Taylor

Stephen C. Taylor,

Chairman of the Board, President and Chief Executive

Officer

Dated: May 10, 2007

EXHIBIT INDEX

Exhibit No. Description of Exhibit

99 Press release issued May 10, 2007 (furnished pursuant to Item 2.02)

[LOGO]

FOR IMMEDIATE RELEASE

NEWS May 10, 2007 Amex - NGS

NATURAL GAS SERVICES GROUP, INC. ANNOUNCES RECORD FIRST QUARTER NET INCOME AND EARNINGS PER SHARE

23% Increase In Revenue For The Three Months to \$16.7 Million 58% Increase in Net Income For The Three Months to \$2.7 Million

MIDLAND, Texas, May 10, 2007 – Natural Gas Services Group, Inc. (AMEX:NGS), a leading provider of gas compression equipment and services to the natural gas industry, announces its financial results for the first quarter ended March 31, 2007.

Natural Gas Services Group, Inc.

	(in thousands of dollars, except per share amounts)	First Quarter 2006	First Quarter 2007	Change
Revenue		\$13,578	(unaudited) \$16,712	23%
Operating income		3,053	4,203	38%
Net income		1,696	2,681	58%
EPS (Basic)		0.18	0.22	22%
EPS (Diluted)		0.17	0.22	29%
EBITDA		4,460	6,272	41%
Weighted avg. shares outstanding:				
Basic		9,664	12,061	
Diluted		9,860	12,083	

Revenue: Total revenue increased from \$13.6 million to \$16.7 million, or 23%, for the three months ended March 31, 2007, compared to the same period ended March 31, 2006. This was mainly the result of increased rental revenue and additional compressor sales. Rental revenue increased 31% and sales revenue increased 19%; offset by a decrease in service and maintenance revenue of 4%.

Operating income: Operating income increased from \$3.1 million to \$4.2 million, or 38%, for the three months ended March 31, 2007, compared to the same period ended March 31, 2006. This is mainly the result of increased margins from outside sales of compressor units, parts and rebuilds and the increased rental fleet activity.

Net income: Net income for first quarter ended March 31, 2007, increased 58% to \$2.7 million or \$.22 per share (diluted), as compared to net income of \$1.7 million or \$.17 per share (diluted) for the same period in 2006. This increase resulted mainly from the relative increase in compressor rental revenue as a percentage of the total revenue and an increase in gross profit on compressor sales. At the same time our other income increased approximately \$212 thousand resulting from additional interest income earned from increased cash balances and our short-term investments.

EBITDA (see discussion of EBITDA at the end of this release) increased 41% to approximately \$6.3 million for the first quarter ended March 31, 2007, versus \$4.5 million for the same period in 2006.

Steve Taylor, President and CEO of Natural Gas Services Group, Inc. said, "We are very pleased to, again, report a record quarter for NGS. We grew our rental and sales revenues in both the comparative and sequential quarters while also increasing our total gross margin. This, in conjunction with controlling our expenses, increased our operating and net income margins. We continue to be optimistic about the balance of the year and look forward to continued good results."

The Company has scheduled a conference call Thursday, May 10, 2007 at 10:00 AM Central Daylight Time to discuss 2007 First Quarter Financial Results.

What: Natural Gas Services Group, Inc. 2007 First Quarter Financial Results Conference Call

When: May 10, 2007 at 10:00 AM Central Daylight Time

How: Live via phone by dialing 800-624-7038. Code: Natural Gas Services. Participants to the Conference call should call in at least 5 minutes prior to the start time.

Steve Taylor, President and CEO of Natural Gas Services Group, Inc. will be leading the call and discussing first quarter financial results.

About Natural Gas Services Group, Inc. (NGS)

NGS manufactures, fabricates, sells, rents and services natural gas compressors that enhance the production of natural gas wells. The Company also manufactures and sells flare systems and flare ignition systems for plant and production facilities.

For More Information, Contact: Jim Drewitz, Investor Relations

972-355-6070 jim@jdcreativeoptions.com

Or visit the Company's website at www.ngsgi.com

"EBITDA" reflects net income or loss before interest, taxes, depreciation and amortization. EBITDA is a measure used by analysts and investors as an indicator of operating cash flow since it excludes the impact of movements in working capital items, non-cash charges and financing costs. Therefore, EBITDA gives the investor information as to the cash generated from the operations of a business. However, EBITDA is not a measure of financial performance under accounting principles generally accepted in the United States of America ("GAAP"), and should not be considered a substitute for other financial measures of performance. EBITDA as calculated by NGS may not be comparable to EBITDA as calculated and reported by other companies. The most comparable GAAP measure to EBITDA is net income. The reconciliation of net income to EBITDA and gross margin is as follows:

		months ended
		March 31,
(in thousands of dollars)	2006	2007
Net income	\$ 1,696	\$ 2,681
Interest expense, net	500	300
Provision for income taxes	997	1,574
Depreciation and amortization	1,267	1,717
EBITDA	\$ 4,460	\$ 6,272
Other operating expenses	1,268	1,200
Other expense (income)	(140)	(352)
Gross Margin	5,588	7,120

We define gross margin as total revenue less cost of sales (excluding depreciation and amortization expense). Gross margin is included as a supplemental disclosure because it is a primary measure used by our management as it represents the results of revenue and cost of sales (excluding depreciation and amortization expense), which are key components of our operations. Because we use capital assets, depreciation expense is a necessary element of our costs and our ability to generate revenue and selling, general and administrative expense is a necessary cost to support our operations and required corporate activities. Management uses this non-GAAP measure as a supplemental measure to other GAAP results to provide a more complete understanding of our performance. As an indicator of our operating performance, gross margin should not be considered an alternative to, or more meaningful than, net income as determined in accordance with GAAP. Our gross margin may not be comparable to a similarly titled measure of another company because other entities may not calculate gross margin in the same manner.

Except for historical information contained herein, the statements in this release are forward-looking and made pursuant to the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. Forward-looking statements involve known and unknown risks and uncertainties, which may cause NGS's actual results in future periods to differ materially from forecasted results. Those risks include, among other things, the loss of market share through competition or otherwise; the introduction of competing technologies by other companies; a prolonged, substantial reduction in oil and gas prices which could cause a decline in the demand for NGS's products and services; and new governmental safety, health and environmental regulations which could require NGS to make significant capital expenditures. The forward-looking statements included in this press release are only made as of the date of this press release, and NGS undertakes no obligation to publicly update such forward-looking statements to reflect subsequent events or circumstances. A discussion of these factors is included in the Company's Annual Report on Form 10-K filed with the Securities and Exchange Commission.

CONDENSED CONSOLIDATED BALANCE SHEETS

(in thousands, except per share amounts)

	<u>Decer</u>	nber 31, 2006		rch 31, 2007 inaudited)
ASSETS				
Current Assets:	_		_	
Cash and cash equivalents	\$	4,391	\$	9,248
Short-term investments		25,052		22,326
Trade accounts receivable, net of doubtful accounts of \$110		8,463		6,050
Inventory, net of allowance for obsolescence of \$347		16,943		19,276
Prepaid expenses and other		321	_	353
Total current assets		55,170		57,253
Rental equipment, net of accumulated depreciation of \$11,320 and \$12,562, respectively		59,866		62,373
Property and equipment, net of accumulated depreciation of \$3,679 and \$3,875, respectively		6,714		6,596
Goodwill, net of accumulated amortization \$325		10,039		10,039
Intangibles, net of accumulated amortization of \$819 and \$900, respectively		3,650		3,569
Other assets		113		186
Total assets	\$	135,552	\$	140,016
LIABILITIES AND STOCKHOLDERS' EQUITY				
Current Liabilities:				
Current portion of long-term debt	\$	3,442	\$	3,378
Current portion of subordinated notes-related parties	•	1,000	•	1,000
Line of credit		_		_
Accounts payable		2,837		5,104
Accrued liabilities		2,077		2,187
Current portion of tax liability		1,056		3,068
Deferred income		225		759
Total current liabilities		10,637		15,496
		-,		-,
Long-term debt, less current portion		12,950		12,106
Subordinated notes-related parties, less current portion		1,000		_
Deferred income tax payable		9,764		8,285
Total liabilities		34,351		35,887
	-	,		
Stockholders' Equity:				
Common stock, 30,000 shares authorized, par value \$0.01; 12,046 and 12,067 shares issued and outstanding,				
respectively		120		121
Additional paid-in capital		82,560		82,806
Retained earnings		18,521		21,202
Total stockholders' equity		101,201		104,129
	\$	135,552	\$	140,016
Total liabilities and stockholders' equity	D	133,332	D	140,010
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CONDENSED CONSOLIDATED INCOME STATEMENTS

(in thousands, except earnings per share) (unaudited)

		nded March 31,
	2006	2007
Revenue:		
Sales, net	\$ 7,993	\$ 9,506
Service and maintenance income	278	266
Rental income	5,307	6,940
Total revenue	13,578	16,712
Operating costs and expenses:		
Cost of sales, exclusive of depreciation stated separately below	5,719	6,670
Cost of service and maintenance, exclusive of depreciation stated separately below	191	187
Cost of rentals, exclusive of depreciation stated separately below	2,080	2,735
Selling expense	302	178
General and administrative expense	966	1,022
Depreciation and amortization	1,267	1,717
Total operating costs and expenses	10,525	12,509
Operating income	3,053	4,203
Other income (expense):		
Interest expense	(500)	(300)
Other income	140	352
Total other income (expense)	(360)	52
Income before provision for income taxes	2,693	4,255
Provision for income taxes	997	1,574
Net income	\$ 1,696	\$ 2,681
Earnings per share:		
Basic	\$ 0.18	\$ 0.22
Diluted	\$ 0.17	\$ 0.22
Weighted average shares outstanding:		
Basic	9,664	12,061
Diluted	9,860	12,083
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CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS

(in thousands of dollars) (unaudited)

	Three Months Ended March 3	
	2006	2007
CASH FLOWS FROM OPERATING ACTIVITIES:		
Net income	\$ 1,696	\$ 2,681
Adjustments to reconcile net income to net cash provided by operating activities:		
Depreciation and amortization	1,267	1,717
Deferred taxes	834	(1,479
Employee stock options expensed	73	97
Gain on sale of property and equipment	-	(8
Changes in current assets and liabilities:		
Trade and other receivables	66	2,413
Inventory and work in progress	(3,809)	(2,333
Prepaid expenses and other	182	(32
Accounts payable and accrued liabilities	2,797	2,377
Current tax liability	-	2,012
Deferred income	(37)	534
Other assets	2	(42
NET CASH PROVIDED BY OPERATING ACTIVITIES	3,071	7,937
CASH FLOWS FROM INVESTING ACTIVITIES:		
Purchase of property and equipment	(5,145)	(4,040
Purchase of short-term investments	-	(274
Redemption of short-term investments	<u> </u>	3,000
Proceeds from sale of property and equipment	<u></u>	33
NET CASH USED IN INVESTING ACTIVITIES	(5,145)	(1,281
CASH FLOWS FROM FINANCING ACTIVITIES:		
Proceeds from line of credit	734	_
Repayments of long-term debt	(6,809)	(1,908
Proceeds from exercise of stock options and warrants	83	109
Proceeds from sale of stock, net of transaction costs	47,176	_
NET CASH PROVIDED BY (USED IN) FINANCING ACTIVITIES	41,184	(1,799
NET CHANGE IN CASH	39,110	4,857
CASH AND CASH EQUIVALENTS AT BEGINNING OF PERIOD	3,271	4,391
CASH AND CASH EQUIVALENTS AT END OF PERIOD	\$ 42,381	\$ 9,248
SUPPLEMENTAL DISCLOSURE OF CASH FLOW INFORMATION:	<u>- , , , , , , , , , , , , , , , , , , ,</u>	<u> </u>
Interest paid	\$ 456	\$ 305
Income taxes paid	\$ 163	\$ 999