

PRIMEENERGY CORP  
 Form 3  
 February 12, 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 GS Capital Partners V Institutional L P			(Month/Day/Year)	PRIMEENERGY CORP [PNRG]	
(Last)	(First)	(Middle)		4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)
85 BROAD ST				(Check all applicable)	6. Individual or Joint/Group Filing(Check Applicable Line)
(Street)				___ Director	<input checked="" type="checkbox"/> 10% Owner
NEW YORK,Â NYÂ 10004				___ Officer	___ Form filed by One Reporting Person
(City)	(State)	(Zip)		(give title below)	(specify below)
					<input checked="" type="checkbox"/> Form filed by More than One Reporting Person

**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)
Common Stock, par value \$0.10 per share <sup>(4)</sup>	624,193	I	See <sup>(1)</sup> <sup>(2)</sup>

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 (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 of Derivative Security: Direct (D)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
		Title			

	Date Exercisable	Expiration Date	Amount or Number of Shares	or Indirect (I) (Instr. 5)
Obligation to pay sale proceeds <sup>(3)</sup>	Â <sup>(3)</sup>	Â <sup>(3)</sup>	Common Stock, par value \$0.10 per share 592,345 \$ 0	I See <sup>(1)</sup> <sup>(2)</sup>

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
GS Capital Partners V Institutional L P 85 BROAD ST NEW YORK, NY 10004	Â	Â X	Â	Â
McJ Holding CORP 85 BROAD STREET NEW YORK, NY 10004	Â	Â X	Â	Â
McJ Holdings L.L.C. 85 BROAD STREET NEW YORK, NY 10004	Â	Â X	Â	Â

## Signatures

See Exhibit 99.2                      02/12/2007

<sup>\*\*</sup>Signature of                      Date  
Reporting Person

## 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) For text of Footnote 1, see Exhibit 99.1.
- (2) For text of Footnote 2, see Exhibit 99.1.
- (3) For text of Footnote 3, see Exhibit 99.1.
- (4) For text of Footnote 4, see Exhibit 99.1.

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.