

OMB APPROVAL	
OMB Number:	3235-0287
Estimated average burden hours per response:	0.5

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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 * ENERGY CAPITAL PARTNERS II, LLC <hr/> (Last) (First) (Middle) 51 JOHN F. KENNEDY PARKWAY SUITE 200 <hr/> (Street) SHORT HILLS NJ 07078 <hr/> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol ProPetro Holding Corp. [PUMP]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director <input checked="" type="checkbox"/> 10% Owner Officer (give title below) Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) 03/22/2017	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	03/22/2017		S		11,031,182	D	\$14	37,299,485 ⁽¹⁾	I	See footnote ⁽²⁾

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V		(A)	(D)					

1. Name and Address of Reporting Person *

ENERGY CAPITAL PARTNERS II, LLC

(Last) (First) (Middle)

51 JOHN F. KENNEDY PARKWAY

SUITE 200

(Street)

SHORT HILLS NJ 07078

(City) (State) (Zip)

1. Name and Address of Reporting Person *

Energy Capital Partners GP II, LP

(Last) (First) (Middle)

51 JOHN F. KENNEDY PARKWAY

SUITE 200

(Street)

SHORT HILLS NJ 07078

(City) (State) (Zip)

1. Name and Address of Reporting Person *

ENERGY CAPITAL PARTNERS II-A, LP

(Last) (First) (Middle)

51 JOHN F. KENNEDY PARKWAY
SUITE 200

(Street)

SHORT HILLS NJ 07078

(City) (State) (Zip)

1. Name and Address of Reporting Person *

ENERGY CAPITAL PARTNERS II-B, LP

(Last) (First) (Middle)

51 JOHN F. KENNEDY PARKWAY
SUITE 200

(Street)

SHORT HILLS NJ 07078

(City) (State) (Zip)

1. Name and Address of Reporting Person *

Energy Capital Partners II-C (Direct IP), LP

(Last) (First) (Middle)

51 JOHN F. KENNEDY PARKWAY
SUITE 200

(Street)

SHORT HILLS NJ 07078

(City) (State) (Zip)

1. Name and Address of Reporting Person *

ENERGY CAPITAL PARTNERS II-D, LP

(Last) (First) (Middle)

51 JOHN F. KENNEDY PARKWAY
SUITE 200

(Street)

SHORT HILLS NJ 07078

(City) (State) (Zip)

1. Name and Address of Reporting Person *

Energy Capital Partners II (Midland Co-Invest), LP

(Last) (First) (Middle)

51 JOHN F. KENNEDY PARKWAY
SUITE 200

(Street)

SHORT HILLS NJ 07078

(City) (State) (Zip)

1. Name and Address of Reporting Person *

[Energy Capital Partners GP II Co-Investment \(Midland\), LLC](#)

(Last) (First) (Middle)

51 JOHN F. KENNEDY PARKWAY
SUITE 200

(Street)

SHORT HILLS NJ 07078

(City) (State) (Zip)

1. Name and Address of Reporting Person *

[ENERGY CAPITAL PARTNERS II, LP](#)

(Last) (First) (Middle)

51 JOHN F. KENNEDY PARKWAY
SUITE 200

(Street)

SHORT HILLS NJ 07078

(City) (State) (Zip)

Explanation of Responses:

1. Following the transaction reported herein, includes (i) 558,599 shares held by Energy Capital Partners II, LP ("ECP II"), (ii) 18,195,616 shares held by Energy Capital Partners II-A, LP ("ECP II-A"), (iii) 3,810,053 shares held by Energy Capital Partners II-B, LP ("ECP II-B"), (iv) 6,692,716 shares held by Energy Capital Partners II-C (Direct IP), LP ("ECP II-C"), (v) 4,484,480 shares held by Energy Capital Partners II-D, LP ("ECP II-D"), and (vi) 3,558,021 shares held by Energy Capital Partners II (Midland Co-Invest), LP ("ECP Co-Invest"). Each of ECP II, ECP II-A, ECP II-B, ECP II-C and ECP II-D is managed by its general partner, Energy Capital Partners GP II, LP. Energy Capital Partners GP II, LP is managed by its general partner, Energy Capital Partners II, LLC ("Energy Capital Partners"). ECP Co-Invest is managed by its general partner, Energy Capital Partners GP II Co-Investment (Midland), LLC, which is managed by its sole member, Energy Capital Partners.

2. As a result, each of Energy Capital Partners GP II, LP and Energy Capital Partners may be deemed to share beneficial ownership of the shares held by ECP II, ECP II-A, ECP II-B, ECP II-C and ECP II-D, and each of Energy Capital Partners GP II Co-Investment (Midland), LLC and Energy Capital Partners may be deemed to share beneficial ownership over the shares held by ECP Co-Invest. Douglas W. Kimmelman, Peter Labbat, Thomas K. Lane, Tyler Reeder and Andrew D. Singer are the managing members of, and Rahman D'Argenio is a partner of, Energy Capital Partners and share the power to direct the voting and disposition of the shares beneficially owned by Energy Capital Partners. Each such individual disclaims beneficial ownership of such shares except to the extent of their pecuniary interest therein.

[Energy Capital Partners II, LLC](#)

By: /s/ Christopher M.

[03/24/2017](#)

[Leininger, Managing Director
and Deputy General Counsel](#)

[Energy Capital Partners GP II,
LP By: Energy Capital Partners](#)

[II, LLC, its general partner By:
/s/ Christopher M. Leininger,](#)

[03/24/2017](#)

[Managing Director and Deputy
General Counsel](#)

[Energy Capital Partners II, LP
By: Energy Capital Partners
GP II, LP, its general partner](#)

[By: Energy Capital Partners II,
LLC, its general partner By: /s/
Christopher M. Leininger,](#)

[03/24/2017](#)

[Managing Director and Deputy
General Counsel](#)

[Energy Capital Partners II-A,
LP By: Energy Capital Partners
GP II, LP, its general partner](#)

[By: Energy Capital Partners II,
LLC, its general partner By: /s/
Christopher M. Leininger,](#)

[03/24/2017](#)

[Managing Director and Deputy
General Counsel](#)

[Energy Capital Partners II-B,
LP By: Energy Capital Partners
GP II, LP, its general partner](#)

[By: Energy Capital Partners II,
LLC, its general partner By: /s/
Christopher M. Leininger,](#)

[03/24/2017](#)

[Managing Director and Deputy
General Counsel](#)

[Energy Capital Partners II-C \(Direct IP\), LP By: Energy Capital Partners GP II, LP, its general partner By: Energy Capital Partners II, LLC, its general partner By: /s/ Christopher M. Leininger, Managing Director and Deputy General Counsel](#) 03/24/2017

[Energy Capital Partners II-D, LP By: Energy Capital Partners GP II, LP, its general partner By: Energy Capital Partners II, LLC, its general partner By: /s/ Christopher M. Leininger, Managing Director and Deputy General Counsel](#) 03/24/2017

[Energy Capital Partners II \(Midland Co-Invest\), LP By: Energy Capital Partners GP II Co-Investment \(Midland\), LLC, its g.p. By: Energy Capital Partners II, LLC, its sole member By: /s/Christopher M. Leininger, Managing Director and Deputy General Counsel](#) 03/24/2017

[Energy Capital Partners GP II Co-Investment \(Midland\), LLC By: Energy Capital Partners II, LLC, its sole member By: /s/ Christopher M. Leininger, Managing Director and Deputy General Counsel](#) 03/24/2017

** 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 4 (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.