POWERS MATTHEW R

Form 4

December 19, 2017

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB accept

Number: 3235-0287

January 31,

OMB APPROVAL

Expires: 2005
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if no longer subject to Section 16. Form 4 or Form 5

Check this box

Form 5 obligations may continue. See Instruction

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

1(b).

Common

Stock

12/15/2017

(Print or Type Responses)

1. Name and Address of Reporting Per POWERS MATTHEW R	2. Issuer Name and Ticker or Trading Symbol ION GEOPHYSICAL CORP [IO]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)			
(Last) (First) (Midd 2105 CITYWEST BLVD., SUI' 100	(Month/Day/Year)	Director 10% Owner Secondary of the control of th			
(Street) HOUSTON, TX 77042	4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			
(City) (State) (Zip	Table I - Non-Derivative Securities Ac	quired, Disposed of, or Beneficially Owned			
(Instr. 3) ai	2A. Deemed 3. 4. Securities Acquired Execution Date, if Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Month/Day/Year) (Instr. 8) (A) or Code V Amount (D) Price	Beneficially Form: Direct Beneficial Owned (D) or Ownership Following Indirect (I) (Instr. 4) Reported (Instr. 4) Transaction(s) (Instr. 3 and 4)			
Common 12/15/2017 Stock	M(1) 6,666 A \$ 3.1	22,160 D			

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

 $D^{(1)}$

6,666 D

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SEC 1474

(9-02)

D

15,494

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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. Transactic Code (Instr. 8)	5. Number ctiom Derivative Securities 8) Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exercisab Expiration Date (Month/Day/Year		7. Title and A Underlying S (Instr. 3 and	Secur
				Code V	(A) (I	D)	Date Exercisable	Expiration Date	Title	Am or Nur of Sha
Stock Appreciation Right	\$ 3.1	12/15/2017		M(1)	6,6	666	03/01/2017(2)	03/01/2026	Common Stock	6,

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

POWERS MATTHEW R 2105 CITYWEST BLVD., SUITE 100 HOUSTON, TX 77042

EVP, Gen Coun & Corp Secy

Signatures

Rebecca F. Sacco, attorney-in-fact 12/19/2017

**Signature of Reporting Person Date

Explanation of Responses:

- * 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).
 - Exercise of cash-settled SARs. In accordance with the rules for filing Form 4, the exercise of cash-settled SARs is treated as the
- (1) simultaneous purchase of the number of shares for which SARs are exercised and the sale of the same number of shares. No shares actually changed hands.
- (2) Compensation Committee approved acceleration of the vesting of the second tranche on 12/13/2017. Final tranche to vest as scheduled on 03/01/2019.

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.

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