

SECURITIES AND EXCHANGE COMMISSION

FORM 4

Statement of changes in beneficial ownership of securities

Filing Date: **2007-12-10** | Period of Report: **2007-12-01**

SEC Accession No. **0001209191-07-068609**

([HTML Version](#) on secdatabase.com)

REPORTING OWNER

Nelson S James

CIK: **1041822**

Type: **4** | Act: **34** | File No.: **001-12691** | Film No.: **071294459**

Mailing Address

*333 CLAY STREET
STE 4620
HOUSTON TX 77002*

Business Address

713-652-0582

ISSUER

ION GEOPHYSICAL CORP

CIK: **866609** | IRS No.: **222286646** | State of Incorpor.: **DE** | Fiscal Year End: **1231**

SIC: **3829** Measuring & controlling devices, nec

Mailing Address

*2101 CITYWEST BLVD
BUILDING III, SUITE 400
HOUSTON TX 77042*

Business Address

*2101 CITYWEST BLVD
BUILDING III, SUITE 400
HOUSTON TX 77042
281.933.3339*

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL

OMB Number: 3235-0287
 Expires: 02/28/2011
 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, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person Nelson S James			2. Issuer Name and Ticker or Trading Symbol ION GEOPHYSICAL CORP [IO]		5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below)	
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 12/01/2007			
2105 CITYWEST BOULEVARD, SUITE 400			4. If Amendment, Date Original Filed(Month/Day/Year)		6. Individual or Joint/Group Filing (Check applicable line) <input checked="" type="checkbox"/> Form Filed by One Reporting Person <input type="checkbox"/> Form Filed by More than One Reporting Person	
(Street) HOUSTON, TX 77042-2839						
(City)	(State)	(Zip)				

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)			

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 of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Option to purchase common stock (1)	\$15.43	12/01/2007		A		12,500		12/01/2007	12/01/2017	Common Stock	12,500	\$ 0	12,500	D	

Explanation of Responses:

- Issued pursuant to the ION Geophysical Corporation 2004 Long-term Incentive Plan.

Signatures

/s/ Debra A. Addington, attorney-in-fact

** Signature of Reporting Person

12/10/2007

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.