Hanson R Brian Form 4 June 02, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB 3235-0287

Number: January 31, Expires: 2005

OMB APPROVAL

Estimated average burden hours per response... 0.5

Check this box if no longer subject to Section 16. Form 4 or Form 5

obligations

1(b).

(City)

(State)

(Zip)

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

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Hanson R Brian Issuer Symbol ION GEOPHYSICAL CORP [IO] (Check all applicable) (First) (Middle) (Last) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner X_ Officer (give title Other (specify 2105 CITYWEST 06/01/2010 below) **BOULEVARD, SUITE 400** Exec. VP & CFO (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting HOUSTON, TX 77042-2839 Person

(City)	(State) (Z	Zip) Table	I - Non-D	erivative Sec	curities Ac	quired, Disposed	of, or Beneficia	lly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any	3. Transaction	4. Securities on Acquired (A) or Disposed of (D)		5. Amount of Securities Beneficially	6. Ownership Form: Direct (D) or	7. Nature of Indirect Beneficial
		(Month/Day/Year)	(Instr. 8)	(Instr. 3, 4 a	(A) or	Owned Following Reported Transaction(s) (Instr. 3 and 4)	Indirect (I) (Instr. 4)	Ownership (Instr. 4)
Common Stock	06/01/2010		Code V A	Amount (6,515 (1)	(D) Price A \$ 0	158,515	D	

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

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

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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. onNumber of Derivative Securities Acquired (A) or Disposed of (D)		ate	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	of ng s	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Owne Follo Repo Trans (Instr
				Code V	(Instr. 3, 4, and 5) (A) (D)	Date Exercisable	Expiration Date	or Title Nu of	umber		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Exec. VP & CFO

Hanson R Brian

2105 CITYWEST BOULEVARD

SUITE 400

HOUSTON, TX 77042-2839

Signatures

/s/ Debra A. Addington, attorney-in-fact 06/02/2010

**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).
- (1) Granted in accordance with the terms of the reporting person's employment agreement. Restricted stock with a 3-year cliff vest.

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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