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

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No. 1)*

DAWSON GEOPHYSICAL COMPANY
(Name of Issuer)
Common Stock, \$0.01 par value
(Title of Class of Securities)
239360100
(CUSIP Number) December 29, 2017
(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- [X] Rule 13d-1(b)
- [_] Rule 13d-1(c)
- [_] Rule 13d-1(d)

*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

====	=====				====		=====	====	===	==
CUSI	P NO.	239360100		13G			Page	2 of	8	Pages
(1)		S OF REPORTING S.S. IDENTIFICAT		ABOVE PERSO	NS ((entities on	 ly).			
	Rena	issance Technol	ogies LLC	26-03857	58					
(2)	CHECK (a) (b)		E BOX IF A M	1EMBER OF A	GROL	JP (SEE INST	RUCTIO	NS):		
(3)	SEC U	SE ONLY								
(4)	CITIZE	NSHIP OR PLACE	OF ORGANIZAT	ION						
	Dela	ware								
					(5)	SOLE VOTING	POWER			
	NUMBER OF SHARES BENEFICIALLY OWNED					1,591,347				
	BY EACH REPORTING PERSON WITH:				(6)	SHARED VOTI	NG POW	ER		
				0						
					(7)	SOLE DISPO	SITIVE	POW	ER	

1,619,258

(8) SHARED DISPOSITIVE POWER

102,504

(9) AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,721,762 -----(10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) [_] _____ (11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 7.93 % (12) TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) IΑ Page 2 of 8 pages Page 3 of 8 pages -----. CUSIP NO. 239360100 13G Page 3 of 8 Pages _____ (1) NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY). RENAISSANCE TECHNOLOGIES HOLDINGS CORPORATION 13-3127734 _____ (2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) [_] (b) [_] (3) SEC USE ONLY (4) CITIZENSHIP OR PLACE OF ORGANIZATION Delaware (5) SOLE VOTING POWER NUMBER OF SHARES 1,591,347 BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH: (6) SHARED VOTING POWER 0 (7) SOLE DISPOSITIVE POWER 1,619,258 (8) SHARED DISPOSITIVE POWER 102,504 (9) AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,721,762 (10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) [_] -(11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 7.93 % _____ (12) TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) HC Page 3 of 8 pages _____

			136	
 Item				
	(a)	Name of Issuer		
		DAWSON GEOPHYSICAL CO	MPANY	
	(b)	Address of Issuer's P	rincipal Executive Office	s.
		508 West Wall, Suite	e 800, Midland, Texas 7970	1
Item	12.			
	(a)	Name of Person Filing	:	
			being filed by Renaissan nce Technologies Holdings	
	(b)) Address of Principal	Business Office or, if n	one, Residence.
		The principal busine	ess address of the reporti	ng persons is:
		800 Third Av New York, Ne	venue w York 10022	
	(c)) Citizenship.		
		RTC is a Delaware lim RTHC is a Delaware co	nited liability company, a prporation.	nd
	(d)) Title of Class of Se	curities.	
		Common Stock, \$0.01	par value	
	(e)) CUSIP Number.		
		239360100		
			Page 4 of 8 pa	0
Item		If this statement is	filed pursuant to Rule 13 the person filing is a:	
(f) (g) (h) (i)	[_] [_] [_] [_] [_] [_] [_]	Bank as defined in s Insurance Company as Investment Company r Company Act. Investment Adviser i Employee Benefit Pla Sec. 240.13d-1(b)(1) Parent holding compa A savings associatio Deposit Insurance Ac A church plan that i company under sectio	ny, in accordance with Se ons as defined in Section et. .s excluded from the defin on 3(c)(14) of the Investm	19) of the Act. of the Investment .13d-1(b)(1)(ii)(E). cordance with c.240.13d-1(b)(1)(ii)(G). 3(b) of the Federal ition of an investment ent Company Act of 1940.
(])	[_]	Group, in accordance	e with Sec.240.13d-1(b)(1)	(11)(J).
Item	14.	Ownership.		
	(a)	Amount beneficially o	wned.	
		RTC: 1,721,762 RTHC: 1,721,762 by RT	shares shares, comprising the HC, because of RTHC's maj	shares beneficially ownec ority ownership of RTC.
	(b)	Percent of Class.		
		RTC: 7.93 % RTHC: 7.93 %		
	(c)	Number of shares as	to which the person has:	
		(i) sole power to vo	ote or to direct the vote:	

(ii) Shared power to vote or to direct the vote:

(iii) sole power to dispose or to direct the disposition of:

RTC: 1,619,258 RTHC: 1,619,258

(iv) Shared power to dispose or to direct the disposition of:

RTC: 102,504 RTHC: 102,504

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Item 5. Ownership of Five Percent or Less of a Class.

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following: [_]

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

Certain funds and accounts managed by RTC have the right to receive dividends and proceeds from the sale of the securities which are the subject of this report.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company.

Not applicable

Item 8. Identification and Classification of Members of the Group.

Not applicable

Item 9. Notice of Dissolution of a Group.

Not applicable

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Item 10. Certification

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as

a participant in any transaction having that purpose or effect.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: February 13, 2018

Renaissance Technologies LLC

By: /s/ Mark Silber Executive Vice President

By: /s/ Mark Silber Vice President

Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations (See 18 U.S.C. 1001).

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EXHIBIT 99.1

AGREEMENT REGARDING JOINT FILING

UNDER RULE 13D-1(K) OF THE EXCHANGE ACT

In accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended, each of the undersigned agrees to the filing on behalf of each of a Statement on Schedule 13G, and all amendments thereto, with respect to the shares of Common Stock, \$0.01 par value of DAWSON GEOPHYSICAL COMPANY.

Date: February 13, 2018

Renaissance Technologies LLC

By: /s/ Mark Silber Executive Vice President

Renaissance Technologies Holdings Corporation

By: /s/ Mark Silber Vice President

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