

# **SEISMIC COMPLETION REPORT**

INDUSTRIAL COMMISSION OF NORTH DAKOTA OIL AND GAS DIVISION 600 EAST BOULEVARD DEPT 405 BISMARCK, ND 58505-0840 SEN 51456 (03-2005)

										Y 2007 Extern	0 ) 0 )
Permit No.										₩ ( - S	(~)
97-0121								`,		1.1	Segi .
Shot Hole Operations					*Non-Explo	sive Operati	ons		14.27.31	معمدة المالية	,
					Vibrosei	8					
SECTION 1											
Geophysical Contractor	,										
Quantum Geophy	sical, Inc.										
Project Name and Num	ber			-	County(s)						
Jensen 3-D					Mountra	il					
Township(s)					Range(s)			<del></del>			
153, 154, 155 & 15					90 West		_				
Orllling and Plugging Co	ontractors										
N/A					_						
Date Commenced					Date Comp	eted					
January 31, 2007					April 30,	2007					
SECTION 2											
First S.P.#	irst S P, #				Last S.P. #						
N/A					N/A						
oaded Holes (Undeton	ated Shot Points	)									
N/A											
S.P.#'s											
Charge Size					-						
Sharge Gize											
Depth											
Pannon Holas Wess N	at Ch at										
Reasons Holes Were N	ot Snot										
							_				
SECTION 3		_									
Flowing Holes and/or Bl	owouts										
S.P#'\$ <b>N/A</b>											
<b>7</b> 0											
Procedure for Plugging	Flowing Holes an	d/or Blowout					_				
N/A	, 1511111g ( 16766 24)	4,0, 5,0,000									

\*Non-Explosive Operations - Complete Section 1 and Affidavit.

	AFFIDAVIT OF COMPLETI	ON (GEOPHYS)	CAL CONTRACTOR)
STATE OF	Texas )		
COUNTY OF	Harris)		
Before me,	M. F. CALLAG	HAN	, a Notary Public in and for the said
County and St	ate, this day personally appeared		Bruce Fulker
who being first	duly sworn, deposes and says tha	t (s)he is employe	d by <b>Quantum Geophysical, Inc.</b>
			, that (s)he has read North Dakota
Century Code	Section 38-08.1, that the foreg	oing seismic proje	ect has been completed in
accordance w	ith North Dakota Administrative	Code Rule 43-02-	-12 and that the statements on
the reverse si	de of this document are true.		
		Geophysical Co	A Dontractor Representative
		Осорпузіськ Ос	initiación Representative
Subscribed in	my presence and sworn before me	this 30th	day of <u>MAY</u> , <u>2007</u> .
	M F CALLAGHAN My Commission Expires October 13, 2009	Notary Public	MFCallage
My Commissio	n Expires	0009	



February 9, 2007

North Dakota Industrial Commission Dept of Mineral Resources Oil & Gas Division 600 E. Boulevard Ave. Dept 405 Bismarck, ND 58505-0840

Attn: Todd Holweger

Re: Jensen 3D Project

Geophysical Permit 97-0121

**Mountrail County** 

Dear Mr. Holweger;

The boundary of the above referenced project has been changed from the original permit application. Sections 31-32-33-34-35-36 in Township 156 North, Range 90 West have been dropped. Sections 5-6-7-8-17-18-19-20 in Township 155 North, Range 89 West have been added. The attached map reflects the changes.

This letter shall also serve as certification that Quantum Geophysical, Inc. has contacted all surface owners within the new boundary of the above referenced survey. All surface owners' have signed permits, been provided written copies of section 38-08.1-04.1 and chapter 38-11.1 of the geophysical exploration regulations and notified of the start of operations. In addition all individuals owning lands with ½ mile of the survey boundary have been provided via US mail a copy of the required regulations.

If you have any questions please contact me at (713) 840-3380.

Yours truly,

Bruce Fulker

Manager Permit Services North America Operations

**Enclosures:** 



January 2, 2007

North Dakota Industrial Commission Dept of Mineral Resources Oil & Gas Division 600 E. Boulevard Ave. Dept 405 Bismarck, ND 58505-0840

Attn: Todd Holweger

Re: Jensen 3D Project

Geophysical Permit 97-0121

**Mountrail County** 

Dear Mr. Holweger;

This letter shall serve as certification that Quantum Geophysical, Inc. has contacted all surface owner's within the boundaries of the above referenced survey. All surface owners' have signed permits, been provided written copies of section 38-08.1-04.1 and chapter 38-11.1 of the geophysical exploration regulations and notified of the start of operations. In addition all individuals owning lands with ½ mile of the survey boundary have been provided via US mail a copy of the required regulations.

If you have any questions please contact me at (713) 840-3380.

Yours truly,

**Bruce Fulker** 

Manager Permit Services
North America Operations

Enclosures:



December 8, 2006

Attention: Landowner's

Re: Notice of Geophysical Operations

Quantum Geophysical, Inc. is currently contacting landowner's in Townships 153-154-155 North, Range 90 West Mountrail County, North Dakota concerning a 3D seismic survey across lands in this area. North Dakota Industrial Commission, Oil and Gas Division Regulations require us to provide you with a copy of chapter 38-08.1-04.1 and chapter 38-11.1 concerning geophysical operations. Copies of those regulations are attached.

If you have any questions concerning this project please call (713) 840-3380.

Thank you in advance for your cooperation.

Quantum Geophysical, Inc. One Riverway, Suite 440 Houston, TX 77056

Enclosures: 2

# **GEOPHYSICAL EXPLORATION PERMIT**

INDUSTRIAL COMMISSION OF NORTH DAKOTA OIL AND GAS DIVISION 600 EAST BOULEVARD DEPT 405 BISMARCK, ND 58505-0840 SFN 51459 (03-2005)

			10.1	<u> </u>						<del>(***</del>		
1) a. Company			'	Address					_	1000	Mr and 30 /	
Quantum Geophysical, Inc				One Riverway, Suite 440 , Houston, Tex					6	VC3/1	Cercano	
Contact				ephone				Fax			M. BC Western	
Bruce Fulker				3-840-3380	)			713-85				
Surety Company			Bor	nd Amount				Bond Number				
Bank of North	Dakota						50,000.00	GEO300				
2) a. Subcontracto	r(s)		Add	ress				Telephone				
ECS (Survey	Contractor)		11	01 5th Stre	et SW Sid	iney M	T 59270	406-48	2-6606			
b Subcontracto	or(s)		Ade	dress				Telephone				
c Subcontracto	or(s)		Add	Address					Теlернопе			
3) Party Manager			Add	ir ess				Telephone				
Unknown at t												
4) Project Name o	r Line Numbers											
Jensen 3D												
5) Exploration Met	hod (Shot Hole, Nor	r-Explosiv	e, 2D, 3D)									
Non-Explosiv								_				
6) Approximate Dr	illing Start Date				A	pproxim	mate Completion Date					
Recording Sta	art January 7, 2	2007			F	ebrua	ry 28, 2007					
THE COMM	MISSION MUST B	E NOTIF	IED AT L	EAST 24 HO	URS IN AD	VANCE	OF COMME	NCEMEN	IT OF D	RILLIPLUG	OPERATIONS	
7) Location of Prop	oosed Project - Cou	inty										
Mountrail												
			Sec	3.			τ.			R.		
Section(s	), Township(s) & Ra	ange(s)						153			West	
			Sed	3.			Τ.	154		R.	¥¥	
			Sed	).			T			R.	West	
								155			West	
			Sec	<b>.</b>		ľ	7	4 = 4		R.		
B) Size of Hole	Amt of Charge	Depth	Shots pe	r No. of Mi.	1			156	d on Non		West	
o) Size of Fide	Aint of onlinge	Depu,	Mi.(sq.mi		Geophy	sical ID	a. Plugg			<u>metallic Plug</u> ugger ID	c. Plugger ID	
	N/A			400								
N/A 9) Anticinated spec	N/A cial drilling and plugg	N/A	72	100	N/	Α	N/A	4	J	N/A	N/A	
	sion drawing and plug	ying proce	duies:									
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	piot map was propo		011 01 30131	illo program iiri	ics and powe	ici mag.						
Attached Signed	-		Title					Date				
	NL											
<u>V</u>	(This so	nce for S	Ma tata office	nager Perr	mit Servic	es			ber 12,	2006 Approval if ar	747	
Permit No.	(1111 <b>3 3</b> Pi	ace 101 3		roval Date				Con		трргован н ан	'Y	
9/017 112/14/2001						1_0						
Approved by						See Affached						
Title 11								Ø	ter			
Title Mir	neral Resources	s Permi	Manage	er				_				
County Approval S	ent Mount	Tail				$\neg$						
	- WWIII	1 / [										

Township	Range	Section
153 N	90 W	1
153 N	90 W	2
153 N	90 W	3
153 N	90 W	4
153 N	90 W	5
153 N	90 W	6
153 N	90 W	7
153 N	90 W	8
153 N	90 W	9
153 N 153 N	90 W 90 W	10 11
153 N 153 N	90 W	12
153 N	90 W	13
153 N	90 W	14
153 N	90 W	15
153 N	90 W	16
153 N	90 W	17
153 N	90 W	18
153 N	90 W	19
153 N	90 W	20
153 N	90 W	21
153 N	90 W	22
153 N	90 W	23
153 N	90 W	24
154 N	90 W	1
154 N	90 W	2
15 <b>4 N</b>	90 W	3
154 N	90 W	4
154 N	90 W	5
154 N	90 W	6
154 N	90 W	7
154 N	90 W 90 W	8
154 N 154 N	90 W	9 10
154 N	90 W	11
154 N	90 W	12
154 N	90 W	13
154 N	90 W	14
154 N	90 W	15
154 N	90 W	16
154 N	90 W	17
154 N	90 W	18
154 N	90 W	19
154 N	90 W	20
154 N	90 W	21
154 N	90 W	22
154 N	90 W	23

154 N 154 N	90 W 90 W 90 W 90 W 90 W 90 W 90 W 90 W	24 25 26 27 28 29 30 31 32 33 34 35 36
155 N 155 N	90 W 90 W 90 W 90 W 90 W 90 W 90 W 90 W	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
155 N 155 N 155 N 155 N 155 N 155 N	90 W 90 W 90 W 90 W 90 W	31 32 33 34 35 36

156 N	90 W	31	
156 N	90 W	32	
156 N	90 W	33	
156 N	90 W	34	
156 N	90 W	35	
156 N	90 W	36	



# Oil and Gas Division

Lynn D. Helms - Director

Bruce E. Hicks - Assistant Director

### **Department of Mineral Resources**

Lvnn D. Helms - Director

### North Dakota Industrial Commission

www.oilgas.nd.gov

December 14, 2006

Mr. Bruce Fulker One Riverway, Ste 440 Houston, TX 77056

RE:

Geophysical Exploration Permits # 97-0121

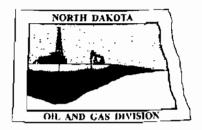
Jensen 3D

Mountrail County, North Dakota

### Dear Mr. Fulker:

Please be advised that we are in receipt of your Geophysical Exploration permit and have conditionally approved your permit effective for one year from December 14, 2006. Please review the following conditions for your permit:

- 1. A pre-program meeting with state seismic inspector Tom Torstenson may be required. You must contact him at 701-290-1546 (cell) or 701-227-7436 at least 24 hours prior to any exploration operations.
- 2. All variances for distance restrictions are to be furnished, and a pre-plot map displaying any source points that do not comply with the distance restriction rule must be supplied to the inspector.
- 3. The post plot map must show all water wells, buildings, underground cisterns, pipelines, and flowing springs that fall within the program area and within one half mile of the perimeter of the program.
- 4. If available, a SEG P1 with all source and receiver points should be made available to the Oil and Gas Division upon filing of the seismic completion report within 30 days of the completion of the program.
- 5. It is required that within seven days of initial contact between the permitting agent and the operator of the land, the permitting agent shall provide the operator of the land and each landowner owning land within one-half mile of the land on which geophysical exploration activities are to be conducted a written copy of section 38-08.1-04.1 and chapter 38-11.1. The permitting agent shall file an affidavit with this office confirming compliance with such notification.
- 6. The permit agent shall notify the operator of the land at least seven days before commencement of any geophysical exploration activity, unless waived by mutual agreement of both parties. The notice must include the approximate time schedule and the location of the planned activity.



# Oil and Gas Division

Lynn D. Helms - Director

Bruce E. Hicks - Assistant Director

# **Department of Mineral Resources**

Lynn D. Helms - Director

## North Dakota Industrial Commission

www.oilgas.nd.gov

Should you have any questions regarding this matter, feel free to contact me at 701-328-8020, or Tom Torstenson at the number listed in paragraph 1.

Sincerely.

Todd L. Holweger

Mineral Resources Permit Manager

Mr. Bruce Fulker One Riverway, Ste 440 Houston, TX 77056



# Oil and Gas Division

Lynn D. Helms - Director

Bruce E. Hicks - Assistant Director

### **Department of Mineral Resources**

Lynn D. Helms - Director

### North Dakota Industrial Commission

www.oilgas.nd.gov

August 14, 2006

The Honorable Karen II. Eliason Mountrail County Auditor P.O. Box 69 Stanley, ND 58784

RE:

Geophysical Exploration

Permit #97-0121

Dear Ms. Eliason:

Pursuant to Section 38-08.1-04.2 of the North Dakota Century Code, please be advised that Quantum Geophysical, Inc. was issued the above captioned permit on December 14, 2006 and will remain in effect for a period of one year.

Sincerely,

Should you have any questions, please contact our office.

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Todd L. Holweger DMR Permit manager