

970019



SEISMIC COMPLETION REPORT INDUSTRIAL COMMISSION OF NORTH DAKOTA OIL AND GAS DIVISION SFN 51456 (11-97)

600 E BOULEVARD AVE BISMARCK, ND 58505

OIL AND GAS DIVISION OF NORTH DAKOTA OIL AND GAS DIVISION SFN 51456 (11-97)	A 600 E BOULEVARD AVE BISMARCK, ND 58505
PERMIT NO.: 97-0019	
SHOT HOLE OPERATIONS: 3 D 60' Hole 10#	NON-EXPLOSIVE OPERATIONS

SECTION 1

GEOPHYSICAL CONTRACTOR: Quantum Geophysical Inc.	5555 San Felipe Ste 550 Houston, Tx 77056
PROJECT NAME AND NUMBER: SE Medicine Pole Hills	COUNTY(S): Bowman
TOWNSHIP(S): 130 North	RANGE(S): 103 and 104 West
PERMITTED BY: R J Mowrey	
DATE COMMENCED: 11-7-97	DATE COMPLETED: 12-10-97

SECTION 2

FIRST S.P. #: 501100					LAST S.P. #: 576155						
LOADED HOLES (UNDETONATED SHOT POINTS)											
S.P. #'s:											
CHARGE SIZE::											
DEPTH:											
REASONS HOLES WERE NOT SHOT:											

SECTION 3

FLOWING HOLES S.P.#'s	NONE
PROCEDURE FOR F	LUGGING FLOWING HOLES:
Include a 7.5 minute i shot hole, SP #, line #	USGS topographic quadrangle map or a computer generated post-plot facsimile of the approximate scale displaying each individual I, and legal location.

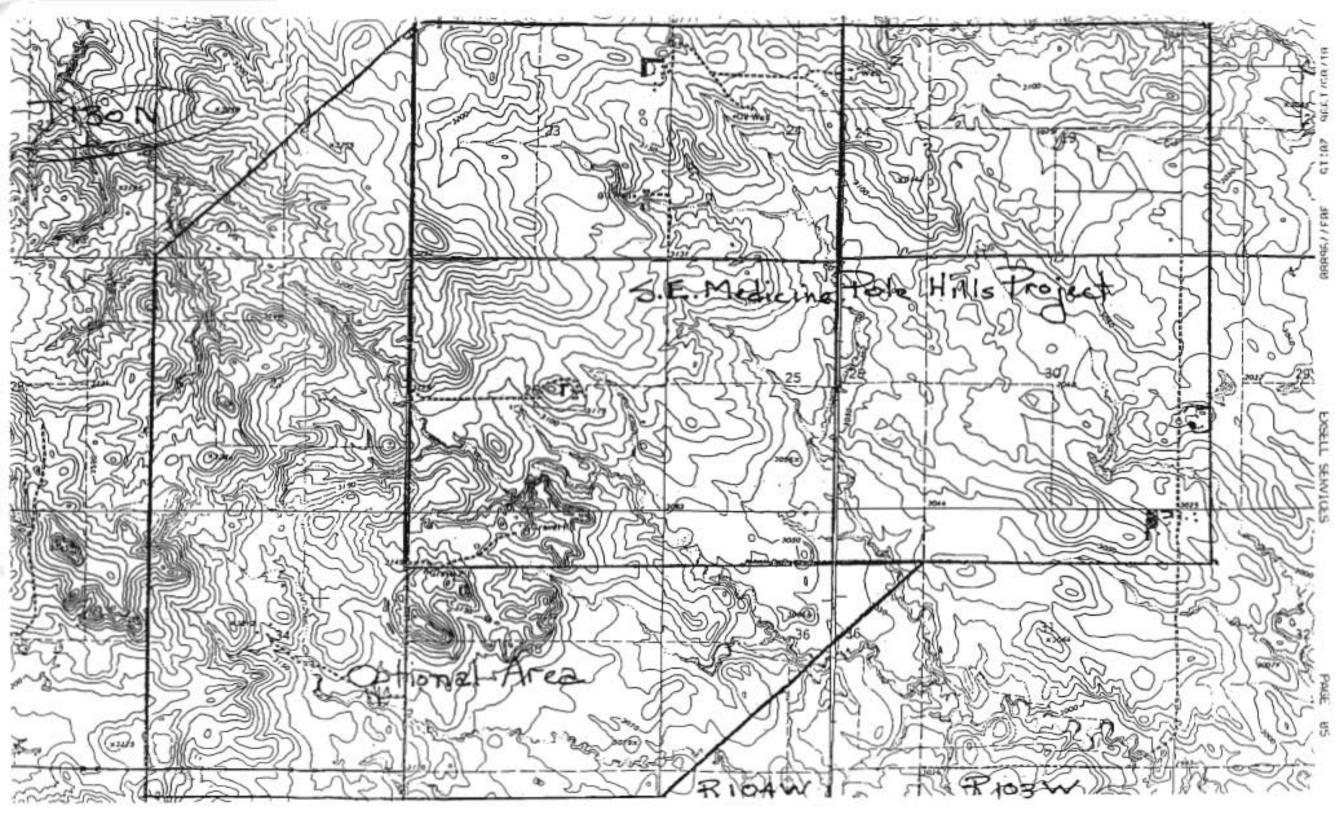
*Non-Explosive Operations - Complete Section 1 and Affidavit.

AFFIDAVIT OF COMPLETION (GEOPHYS	SICAL CONTRACTOR)
STATE OF NORTH DAKOTA)	
STATE OF TEXAS	
COUNTY OF <u>Harris</u>)	
Before me, _ Lisa Mendoza	, a Notary Public in and for the said
County and State, this day personally appeared Brue	
being first duly sworn, deposes and says that (s)he is emp	bloyed by <u>Quantum Geophysical Inc</u> .
	_, that (s)he has read North Dakota
Century Code Section 38-08.1, that the foregoing seis	mic project has been completed in
accordance with North Dakota Administrative Code Rule 4	13-02-12 and that the statements on
the reverse side of this document are true.	
Geophys	B. All sical Contractor Representative
Subscribed in my presence and sworn before me this <u>30</u>	_day of
Notary Public	Lisa Mendora
My Commission Expires <u>7-1-98</u>	

	PERMIT NUMBER: //				
AFFIDAVIT OF PLUGG	ING (HOLE PLUGGER)				
STATE OF NORTH DAKOTA) COUNTY OF Richland					
Century Code Section 38-08.1 and that the f	, a Notary Public in and for the said 				
Subscribed in my presence and sworn before me	Hole Plugger Representative this 23 rd day of <i>Lovember</i> , 98				
Notary Pub My Commission Expires <u>4-19-99</u>	lic angelang				
	RY PUBLIC for the Shale of Starstane 				

PERMIT NUMBER: 19

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1)		ny - Address						17054	
_	Quan	<u>tum Geophysic</u>	al,In	<u>c. 5555</u>	San Felipe	<u>Ste /80 H</u>	<u>Ouston, Texas</u>	77056	
		Telephone, Fax			712 050 73				Soor soon
	Bruce Surety Col	<u>Fulker 713</u>	8-850-	<u>/6()()</u> Bond Amo	<u>/13-850-/3.</u>	Bond Number		11.5	
	•	• •		\$50,00			-	· · ·	101/ 1997 S
2)		<u>f North Dakol</u> ntractor(\$), Addre				<u>GE0300</u>		·	
		erness Drilli		Box 91	Sidney	MT 59270	(406)482-121	9	155 - 649 - 5 70 167 - 571
		structor(A), Addres		phone					
	Nist	ler Drilling	В	ox 856 R	oundup,MT 🤅	59072	(406)323-270	5	
	e. Subcor	stractor(s), Addres	s, Tale	phone					
	Mowr	ey Surveying		<u>ox 404 La</u>	nder, <u>WY</u> 825	<u>52</u> 0	<u>(307)856-853</u>	1	
3)		iger, Address, Tele			ta 700 llaur	+ ~ TY 770	EE (713)850	-7600	
		y Flippo 555 me or Line Numbers		Felipe S					
4)	•								
51		edicine Hills n Method (Shot bol			3D)				
-,		Hole 3 D							
6)		te Work Will Start					ate Work Completi	on	
			<u> 11 </u>	5-97		<u> </u>	15-97		
	MUST NOT	IFY THE COMMIS	SION A	T LEAST 24	HOURS IN ADV	ANCE OF COMHE	NCEMENT OF DR	ILL/PLUG	OPERATIONS
7)	Location o	f Proposed Project							
	(ountr(c)	Bowman							
		Township(1) f Ra		Sec. 10 20	29,30,31,32	T 130 No	rth	R 103	West
		,			25,26,35,36			R 104	
						_		R	
				Sec.		T		R	
			<u> </u>			1			
8) 5:	TIS OF HOVE	Amount of Charge	Deptn	Shots Per Mil (sq.mi.)	a Number of file. (4q.mi.)		<u>fying Marks Used</u> a. Plugger ID		
	4.5"	10#	60'	84	6	ດ ນ	W	N	
		, I		'	_!		II		
9}		d hole drilling an				10 00 10 10			. 01
	All ha	les will be	drill	ed and plug	gged as per	43-02-12-10 (Powirod	Revised Uri	ling an	a Plugging
10)	Reguit Enclose	ements ND Ce	line an	it.	ter 30-00.1	(Revised	<u> </u>		
CLONE		Q. 1 00	ţ			ermit Agent		~	ATE 10-30-97
SIGNE]			crime Agene		D	
	Bruce F	ulker							
(This	space for	State office use)			ļ	CON	DITIONS OF APPROV	AL LE ANY:	
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OF DUT!	TNO 97	-00/19 DATE	116	42	Ì				
		DATE 	67	(*	¦				
APPRO	VAL DATE	1121111			İ				
APPRO	VED BY		, , , / . . . 	<u></u>	ļ				
	1	Georgianal Radi	gulation dataon	1. Supervisor					
	/ Appro		-140.42 A	1 	9 22				
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NORTH DAKOTA INDUSTRIAL COMMISSION

<u>IL AND GAS DIVISIO</u>

Wesley D. Norion DIRECTOR

F.E.Wilborn ASSISTANT DIRECTOR

November 6, 1997

Bruce Fulker Quantum Geophysical, Inc. 5555 San Felipe, Ste. 780 Houston, TX 77056

RE: GEOPHYSICAL EXPLORATION PERMIT NO. 97-0019 SE MEDICINE HILLS PROSPECT

Dear Mr. Fulker:

This letter will verify the approval of the above-captioned Geophysical Permit effective November 6, 1997.

Please feel free to contact Mr. David Hvinden, Geophysical Regulation Supervisor if you should have any questions.

Sincerely,

Marge Rixen

Legal Assistant

/mr

NORTH DAKOTA INDUSTRIAL COMMISSION

IL AND GAS DIVISIO

Wesley D. Norton DIRECTOR F.E.Wilborn ASSISTANT DIRECTOR

November 6, 1997

The Honorable Rory Teigen Bowman County Sheriff P.O. Box 439 Bowman, ND 58623

> RE: Geophysical Exploration Permit #97-0019

Dear Sheriff Teigen:

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 November 6, 1997 and will remain in effect for a period of one year.

Should you have any question, please contact our office.

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David C. Hvinden Geophysical Regulation Supervisor

DCH/dh