

Project Name:				DIAISION	
	OTTERNESS 3-D	CLIENT:	LUFF	1530	•
County:			2776-244-247		
	BOWMAN, ND				

#### Supplemental Information:

BUCKSKIN SERVICES STARTED PLUGGING THE OTTERNESS PROSPECT ON APRIL 15, 1998 AND FINISHED PLUGGING ON APRIL 19, 1998. WE USED 1354 BAGS OF ENVIRO-PLUG ON 471 HOLES 2.8 BAGS PER HOLE. THERE WERE AREAS THAT WERE WET WHICH ALSO HAD ALKALIE. SO WE HAD TO DRILL FIFTEEN MINI HOLE PATTERNS WHICH CONSIST OF A FIVE FOOT HOLE WITH 1/3 LB. OF DYNAMITE IN EACH OF THE FIVE HOLES OVER A 110 FOOT INTERVAL. ALSO, THERE WERE SIXTEEN REDRILLS DUE TO RECORDER PROBLEMS, INCLUDED IS A LIST BLOWOUTS, MINI-HOLES AND REDRILLS. WE FINISHED SHOOTING ON APRIL 24. 1998 AND SINCE THE JOB WAS IN HARDING CO., SD AND CO., ND; WE CONTACTED MARK KEENIHAN WITH THE DEPT. OF NATURAL RESOURCES, STATE OF SD. HE CAME AND PERCENTAGE OF THE JOB THAT WAS IN SD. AND SAID EVERYTHING LOOKED EXCELLENT ON APRIL 27,1998.

Company:	9501 55		
BUCKSKIN Address:	SEKNICES		FOR OFFICE USE ONLY
City:	State:	Zip Code	Date Received:
By:	Date:		By 6 1/0 //
Title:	Telephon	e Number.	Legenie Ugulater Spins

PERMIT NUMBER:

97-0023

### AFFIDAVIT OF PLUGGING (HOLE PLUGGER)

STATE OF NORTH DAKOTA  COUNTY OF BOWMAN	) }			MAY 1998 PECCIA NO OUR A SELEVENCY PECCI-199	
Before me, State, this day person who being first duly sworn	1) Jac.	, that (s)he	has read	North Dal	kota
Century Code Section 38-08.1 a accordance with North Dakota Ad the attached documents are true.	_				
	Hole	e Plugger Repres	(Clair) sentative		_
Subscribed in my presence and sw	orn before me this	3th day of M	lay	98	<u>i</u> .
	Notary Public	you M.	Chiero.	Jo C	)
My Commission Expires 6 - 3	2649				1

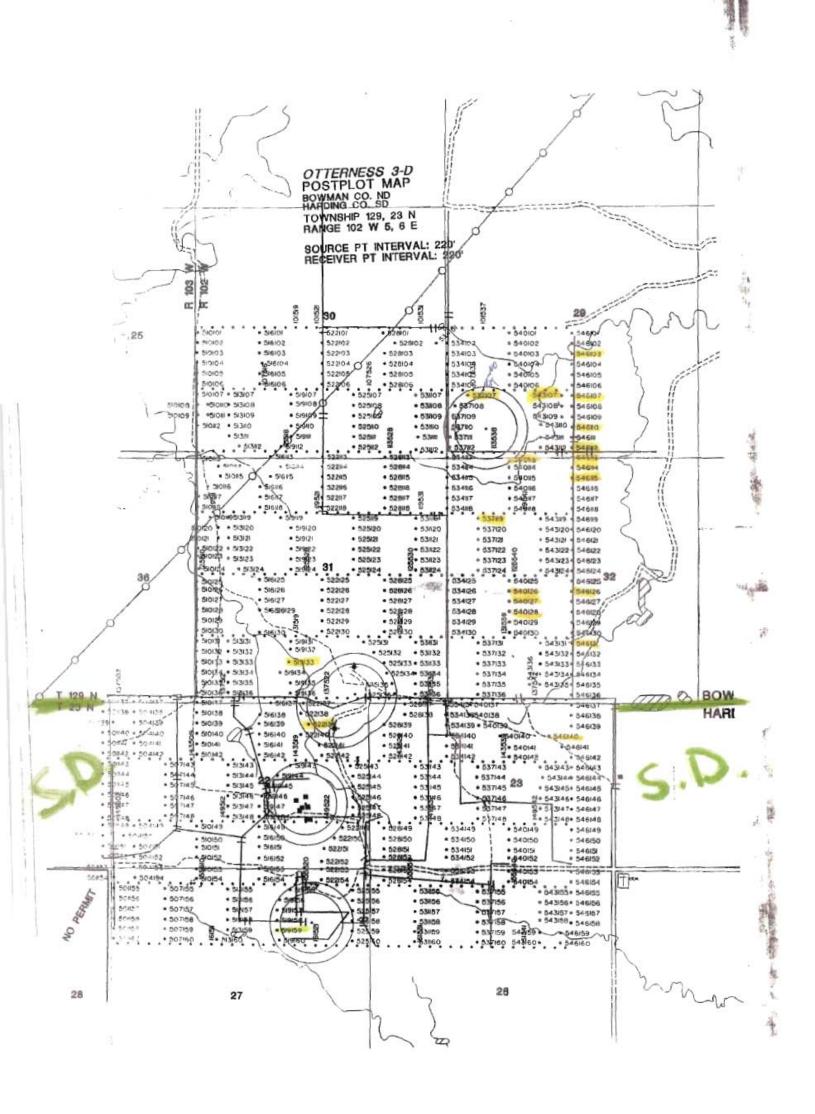


SHOT HOLE OPERATIONS:					*NON-E	XPLOSIVE (	OPERATION	 <b>S</b> :	76.7	2-4-67	3/	
60ft 5#									\\ \( \ge \)_{\( \ge \)_{2}}	<b>₩</b>	3)	
ECTION	1									212821	1998	, 31 \$
OPHYSICAL	CONTRACTO		E EVOLO	NR & T I / & I	TAIC						Stall Service	``\;'
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WNSHIP(S)		<u> </u>				RANGE(	S):		muty, n	<u>u į                                     </u>	_	
RILLING	& PLUGGIN	IG CONTRA	ACTORS:				R 102	<u> </u>				
TE COMME	NCED: 4/		<del></del>			DATE C	OMPLETED	4/23/9				
		,						7/20/3	-	_		_
ECTION	2											
IST S.P. #:	502 t	otal hol	es			LAST S.	P. #:					
ADED HOL	ES (UNDETON											
P. #'a:												
ARGE SIZE:	:								_			
PTH:					<del> </del>	_						ļ
K20M2 HOI	ES WERE NOT	3001:	NONE									
	•	_										
CTION												
	LES AND/	OR BLOWO	UTS:									
P.#'s	SEE /	ATTACHED										
				- AND/C	R BLOW	OUTS:				<del></del>		<del></del>
OCEDURE	FOR PILIGGI	NG FLOWI	NG HOLES									
OCEDURE	FOR PLUGGI			, 12.57								
OCEDURE		NG FLOWIF		, 12.5,								
NOCEDURE				,, 12.2,								
ROCEDURE				, 12.0,								
ROCEDURE				,								

shot hole, SP #, line #, and legal location.

<sup>\*</sup>Non-Explosive Operations - Complete Section 1 and Affidavit.

AFFIDAVIT OF COMPLETION (GEOPHYSICAL CONTRACTOR)
MONTANA STATE OF NORTH DAKOTA )
COUNTY OF YELLOWSTONE )
Before me, Maryheth Barnby , a Notary Public in and for the said  County and State, this day personally appeared Allen Rein who
being first duly sworn, deposes and says that (s)he is employed by, that (s)he has read North Dakota
Century Code Section 38-08.1, that the foregoing seismic project has been completed in accordance with North Dakota Administrative Code Rule 43-02-12 and that the statements on the reverse side of this document are true.
Geophysical Contractor Representative
Subscribed in my presence and sworn before me this 5th day of May, 1998.
Notary Public Mary Buth Barnby
My Commission Expires 4-15-00



# OTTERNESS 3-D - RELIABLE EXPLORATION, INC. LUFF EXPLORATION BOWMAN CO., ND / HARDING CO., SD INSTRUMENT PROBLEMS/JOB SUMMARY

DATE	SOURCE PT	PROBLEM ENCOUNTERED / SUMMARY DESCRIPTION
21-Apr	546135	SLAVE # 2 - NO START; RECEIVER LINES 101, 107, 113, 119, 125 & 131.
year armen a co	546123	SLAVE # 2 - NO START; RECEIVER LINES 101, 107, 113, 119, 125 & 131.
and a graph of	528103	MASTER; SHOT IS RECORDED ON DAILY TAPE, DID NOT WRITE TO DATABASE.
	537143	MASTER - NO DATA, COMPUTER LOCKED UP; LINES 137, 143, 149, 155 & 161.
	528104	MASTER - NO DATA, COMPUTER LOCKED UP; LINES 137, 143, 149, 155 & 161.
	537144	MASTER - NO DATA, COMPUTER LOCKED UP; LINES 137, 143, 149, 155 & 161.
	528105	MASTER - NO DATA, COMPUTER LOCKED UP; LINES 137, 143, 149, 155 & 161.
	537145	MASTER - NO DATA, COMPUTER LOCKED UP; LINES 137, 143, 149, 155 & 161.
***************************************	528106	MASTER - NO DATA, COMPUTER LOCKED UP; LINES 137, 143, 149, 155 & 161.
	537146	MASTER - NO DATA, COMPUTER LOCKED UP; LINES 137, 143, 149, 155 & 161.
	525107	MASTER - NO DATA, COMPUTER LOCKED UP; LINES 137, 143, 149, 155 & 161.
4/22/98	546153	SLAVE # 2 - CABLE DISCONNECTED; STA'S 101528-545 & 107516-521 DEAD ON SHOT.
	540149	MASTER - NO DATA, COMPUTER LOCKED UP; LINES 137, 143, 149, 155 & 161.
	510122	MASTER- NO DATA, COMPUTER LOCKED UP; LINES 137, 143, 149, 155 & 161.
	519123	SLAVE # 2 - NO START; RECEIVER LINES 101, 107, 113, 119, 125 & 131.
4/23/98	519159	SLAVE # 2 - NO START; RECEIVER LINES 101, 107, 113, 119, 125 & 131.
7	534126	SLAVE # 2 - NO START; RECEIVER LINES 101, 107, 113, 119, 125 & 131.
w.,	525134	MASTER - NO START; RECEIVER LINES 137, 143, 149, 155 & 161.
4/24/98	537144	MASTER - NO START; RECEIVER LINES 137, 143, 149, 155 & 161. REDRILL.
		JOB SUMMARY - PRODUCTION REPORT
4/19/98		STARTED LAYING OUT ON OTTERNESS 3-D.
4/20/98		LAYING OUT & TROUBLESHOOTING; FINISHED DRILLING MINI-HOLE PATTERNS.
4/21/98		FINISHED LAYOUT & TROUBLESHOOTING; RECORDED 114 SHOTS. WILL REDRILL
- 11 -		SHOTS MISSED BY RECORDERS ON 4/23/98.
4/22/98		RECORDED 193 SHOTS.
4/23/98	Annual or annual	RECORDED 180 SHOTS.
4/24/98	11 Mars 11 Mar	RECORDED 15 SHOTS (REDRILLS). COMPLETED SHOOTING OTTERNESS 3-D,
		STARTED PICKING UP.
4/25/98	The state of the s	PICKING UP EQUIPMENT.
4/26/98		FINISHED PICKING UP ON OTTERNESS 3-D.
		BLOWOUTS
4/21/ <b>9</b> 8	546131	7.5 BAGS OF BENTONITE / HOLE PLUG @ 3'.
American American	546126	8 BAGS OF BENTONITE / NO PLUG.
	546140	2 BAGS OF BENTONITE / HOLE PLUG @ 3'. SOUTH DEKETA
	546115	12.5 BAGS OF BENTONITE / HOLE PLUG @ 3'.
	546114	3 BAGS OF BENTONITE / HOLE PLUG @ 3'.
	546113	5 BAGS OF BENTONITE / HOLE PLUG @ 3'.
4/22/ <b>9</b> 8	546112	7 BAGS OF BENTONITE / HOLE PLUG @ 3'.
	546110	15.5 BAGS OF BENTONITE / HOLE PLUG @ 3'
	546107	7 BAGS OF BENTONITE / HOLE PLUG @ 3'.
	546103	13 BAGS OF BENTONITE / HOLE PLUG @ 3'.
		2 BAGS OF BENTONITE / HOLE PLUG @ 3'.
		6 BAGS OF BENTONITE / HOLE PLUG @ 3'.
		2 BAGS OF BENTONITE / HOLE PLUG @ 3'
4/23/98	519133	2.5 BAGS OF BENTONITE / HOLE PLUG @ 3'.

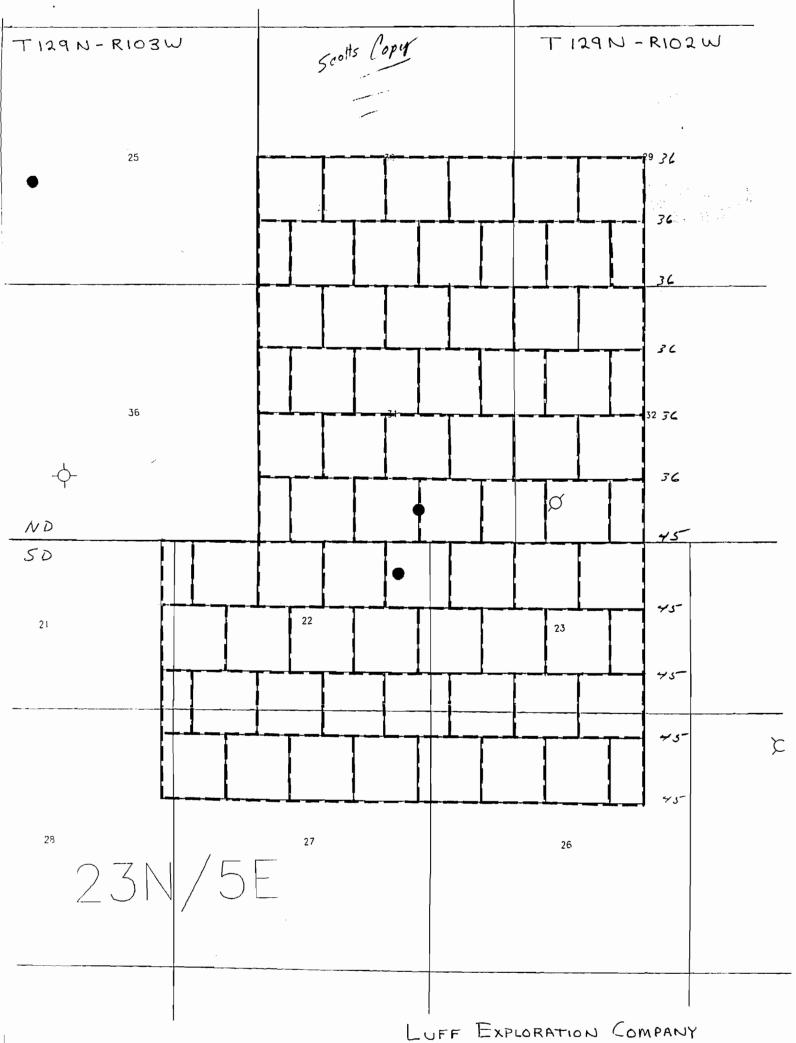
#### OTTERNESS 3-D

	540128 -	16 BAGS OF BENTONITE / HOLE PLUG @ 3'.
-,	540127 /	2 BAGS OF BENTONITE / HOLE PLUG @ 3'
	540126	3 BAGS OF BENTONITE / HOLE PLUG @ 3'.
	522139	3 BAGS OF BENTONITE / HOLE PLUG @ 3' South DAKOTA
4/24/98	519159	3 BAGS OF BENTONITE / HOLE PLUG @ 3' SOUTH DAYKOTA
	P. C. C. MINEST AND AND ADDRESS OF THE PARTY	
		REDRILLS
4/23/98	546135	2.5 BAGS OF BENTONITE / HOLE PLUG @ 3'.
	546123	4 BAGS OF BENTONITE / HOLE PLUG @ 3".
	537143	2 BAGS OF BENTONITE / HOLE PLUG @ 3".
	528104	3 BAGS OF BENTONITE / HOLE PLUG @ 3'.
	537144	2 BAGS OF BENTONITE / HOLE PLUG @ 3'.
	528105	2 BAGS OF BENTONITE / HOLE PLUG @ 3'.
	537145	2 BAGS OF BENTONITE / HOLE PLUG @ 3'.
	528106	4 BAGS OF BENTONITE / HOLE PLUG @ 3'
	537146	2 BAGS OF BENTONITE / HOLE PLUG @ 3".
	525107	2 BAGS OF BENTONITE / HOLE PLUG @ 3".
	540149	2 BAGS OF BENTONITE / HOLE PLUG @ 3".
	519123	5 BAGS OF BENTONITE / HOLE PLUG @ 3'.
	510122	MINI-HOLE; REDRILLED ON 4/22/98.
	519159	1 BAGS OF BENTONITE, HOLE BRIDGED OFF / HOLE PLUG @ 3".
	534126	4.5 BAGS OF BENTONITE / HOLE PLUG @ 3'.
	525134	6 BAGS OF BENTONITE / HOLE PLUG @ 3".
		<u> </u>
4(00)(00	F40400	MINI-HOLES
4/20/98	510122	5 HOLES EACH WITH 1/3 LB. @ 5'. TOTAL OF 1 2/3 LB. PER PATTERN.
	510123	5 HOLES EACH WITH 1/3 LB. @ 5'. TOTAL OF 1 2/3 LB. PER PATTERN.
	510124	5 HOLES EACH WITH 1/3 LB. @ 5'. TOTAL OF 1 2/3 LB. PER PATTERN.
	510125	5 HOLES EACH WITH 1/3 LB. @ 5'. TOTAL OF 1 2/3 LB. PER PATTERN.
91 mage, 17 May 1 mage	510126	5 HOLES EACH WITH 1/3 LB. @ 5'. TOTAL OF 1 2/3 LB. PER PATTERN.
Terro 11-years Marie 11/1/44	543155	5 HOLES EACH WITH 1/3 LB. @ 5'. TOTAL OF 1 2/3 LB. PER PATTERN.
TO STANGE THE PROPERTY OF THE	543156	5 HOLES EACH WITH 1/3 LB. @ 5'. TOTAL OF 1 2/3 LB. PER PATTERN.
	543157	5 HOLES EACH WITH 1/3 LB. @ 5'. TOTAL OF 1 2/3 LB. PER PATTERN.
	543158	5 HOLES EACH WITH 1/3 LB. @ 5'. TOTAL OF 1 2/3 LB. PER PATTERN.
AMPROXIMATE CONTRACTOR	543159	5 HOLES EACH WITH 1/3 LB. @ 5'. TOTAL OF 1 2/3 LB. PER PATTERN.
***************************************	543160	5 HOLES EACH WITH 1/3 LB. @ 5'. TOTAL OF 1 2/3 LB. PER PATTERN.
	546153	5 HOLES EACH WITH 1/3 LB. @ 5'. TOTAL OF 1 2/3 LB. PER PATTERN.
	546154	5 HOLES EACH WITH 1/3 LB. @ 5'. TOTAL OF 1 2/3 LB. PER PATTERN.
		TELLOLED EAGLUAUTUAUS ID. O. C. TOTAL OF A GOLD DED DATTEDAL
	546159	5 HOLES EACH WITH 1/3 LB. @ 5'. TOTAL OF 1 2/3 LB. PER PATTERN.
		5 HOLES EACH WITH 1/3 LB. @ 5'. TOTAL OF 1 2/3 LB. PER PATTERN.  5 HOLES EACH WITH 1/3 LB. @ 5'. TOTAL OF 1 2/3 LB. PER PATTERN.
	546159 546160	5 HOLES EACH WITH 1/3 LB. @ 5'. TOTAL OF 1 2/3 LB. PER PATTERN.
	546159 546160	5 HOLES EACH WITH 1/3 LB. @ 5'. TOTAL OF 1 2/3 LB. PER PATTERN.  5 HOLES EACH WITH 1/3 LB. @ 5'. TOTAL OF 1 2/3 LB. PER PATTERN.  TOTAL HOLES SHOT - 502 HOLES (486 WITH 16 REDRILLS)

APPLICATION FOR PERMIT TO ENGAGE IN GEOPHYSICAL EXPLORATION NOUSTRIAL COMMISSION OF NORTH DAKOTA FORM G-1

RELIABLE EXPLORATION	N, INC. 868 I	Parkway Tane S: ings, M	T 53101
a. Company - Address	1406\ 250	1060 PAY (406) 3E0 9680	
Contact, Telephone, Fax	1011. (4007 259	-1860 FAX (406) 259-8589	
•	\$50,000,00	1140460	
Surety Company	Bond Amount	Bond Number	
Swenson Drilling  1. Subcontractor(s), Address.	Box 693 Sid	ney, MT 59270	
TCS Drilling	Box 574 Sid	ney, MT 59270	·
b. Subcontractor(s), Address.	· — · — — —		
Buckskin Services c. Subcontractor(s). Address,	(Holoplugger) Telephone	919 - 12th st sw s	idney, MT 59270
Douglas Wick (4	06) 482~4092	P.O. Box 741 Sidney	MT 59270
Party Manager, Address, Telepho			
OTTERNESS 3-D PRO	SPECT		·
Project Name or Line Numbers			
Shot Hole 3D			
Exproration Method (Shot more,	fice-Explosive, 2D, 3D)		
Approx. Date Work Will Start		Approx. Date Work Co	pmpletion
Section(s), Township(s) & Range	(c) Sec. 29,30. Sec. Sec. Sec.	т	R R R
stee of sore { wasant of charge } b	(XXXXXX)	(sq.mi.) Geophysica ID 1. Plugge	er ID b. Plugger ID c. Plugger ID
4 3/4   5#	50 486 SPS	1.25 sc REL	REL
a. Proposed hole drilling and proposed line			
The Rem		TITLE President	DATE 11/10/9
is space for State office use)		COND_TIONS OF	APPROVAL IF ANY:
MIT NO. 971673 DATE 1	1/2/97	puper notifical  Sommenium and	in pien to
POVAL DATE 11/2/97	ORIGINAL SENEN	EV AMERICA A	a Sulla
ROVED BY Geophysical Regul	DAVID (A. 1127) III.	Commence Cut	of dulling
Geophysical Regul	N Lill		White The Text

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OTTERNESS 3-D SURVEY
BOWMAN CO. N.D. &
HARDING CO. S.D.

1320' SHOT LINE 1320' RCUR LINE 220' GROUP INT 220' SHOT INT

TOTAL SHOTS = 486 GO' HOLES W/ 5165.

TOTAL ROVES = 441

#### NORTH DAKOTA INDUSTRIAL COMMISSION

### OIL AND GAS DIVISION

Wesley D. Narton
DIRECTOR

C.E.Wilborn
ASSISTANT DIRECTOR

November 12 ,1997

Allen Rein Reliable Exploration, Inc. 868 Parkway Lane Billings, MT 59101

RE: GEOPHYSICAL EXPLORATION PERMIT NO. 97-0023 OTTERNESS 3-D PROSPECT

Dear Mr. Rein:

This letter will verify the approval of the above-captioned Geophysical Permit effective November 12, 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

## OIL AND GAS DIVISION

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

November 12, 1997

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

RE: Geophysical Exploration

Permit #97-0023

Dear Sheriff Teigen:

Pursuant to Section 38-08.1-04.2 of the North Dakota Century Code, please be advised that Reliable Exploration Inc. was issued the above captioned permit on November 12, 1997 and will remain in effect for a period of one year.

Should you have any question, please contact our office.

David C. Hvinden

Geophysical Regulation Supervisor

DCH/dh