

CLIENT:  
JN OIL & GAS

CONTRACTOR:  
RELIABLE EXPLORATION INC.

SURVEYING, MAPPING, AND CAD DONE BY:

**Erickson Contract Surveying Inc.**

GPS & Conventional Surveying - Mapping  
Permitting Services - CAD Drafting

**ECS**  
Office/Fax: 406-482-6506  
Home: 406-482-6250  
1-800-352-2470  
101 5th St. S.W.  
Slipway, MT 59270

RECEIVER LINE SUMMARY

LINE NO.	B.O.L.	E.O.L.	#
11	225	344	120
13	225	344	120
15	225	344	120
17	225	344	120
19	201	344	144
21	201	344	144
23	201	344	144
25	201	344	144
27	201	344	144
29	201	344	144
31	201	344	144
33	201	344	144
35	201	344	144
37	201	344	144
39	201	344	144
41	201	296	96
43	201	296	96
45	201	296	96
Sub.Total			2852

RECEIVER LINE SUMMARY

LINE NO.	B.O.L.	E.O.L.	#
47	201	296	96
49	201	296	96
51	201	296	96
53	201	296	96
55	201	296	96
57	201	296	96
59	201	296	96
61	201	296	96
63	201	296	96
65	201	296	96
67	201	296	96
69	201	288	88
71	201	288	88
73	201	288	88
75	201	288	88
77	201	288	88
79	201	288	88
81	201	288	88
83	201	288	88
85	201	288	88
87	201	288	88
Sub.Total			1936
TOTAL			4288

97.0025

**HUDSON RANCH POSTPLOT MAP**  
GOLDEN VALLEY CO., ND.  
TOWNSHIP 43, 142 N  
RANGE 04, 103, 103 E

NAD83 DATUM (NAD83) CONUS  
LAMBERT CONFORMAL CONG  
NORTH DAKOTA STATE PLANE  
SOUTH ZONE

SOURCE PT INTERVAL: 220'  
RECEIVER PT INTERVAL: 220'

SOURCE PARAMETERS  
LINE @ 60 FT SW MAX.

TOTAL SOURCE PTS: 3222  
TOTAL RECEIVER PTS: 4288  
AREA (SQUARE MILES): 42.40

SOURCE LINE INTERVAL: 1760'  
RECEIVER LINE INTERVAL: 1320'

SHEET 1 OF 1 SCALE: N.T.S.  
JUNE 15, 1998 NOT TO SCALE

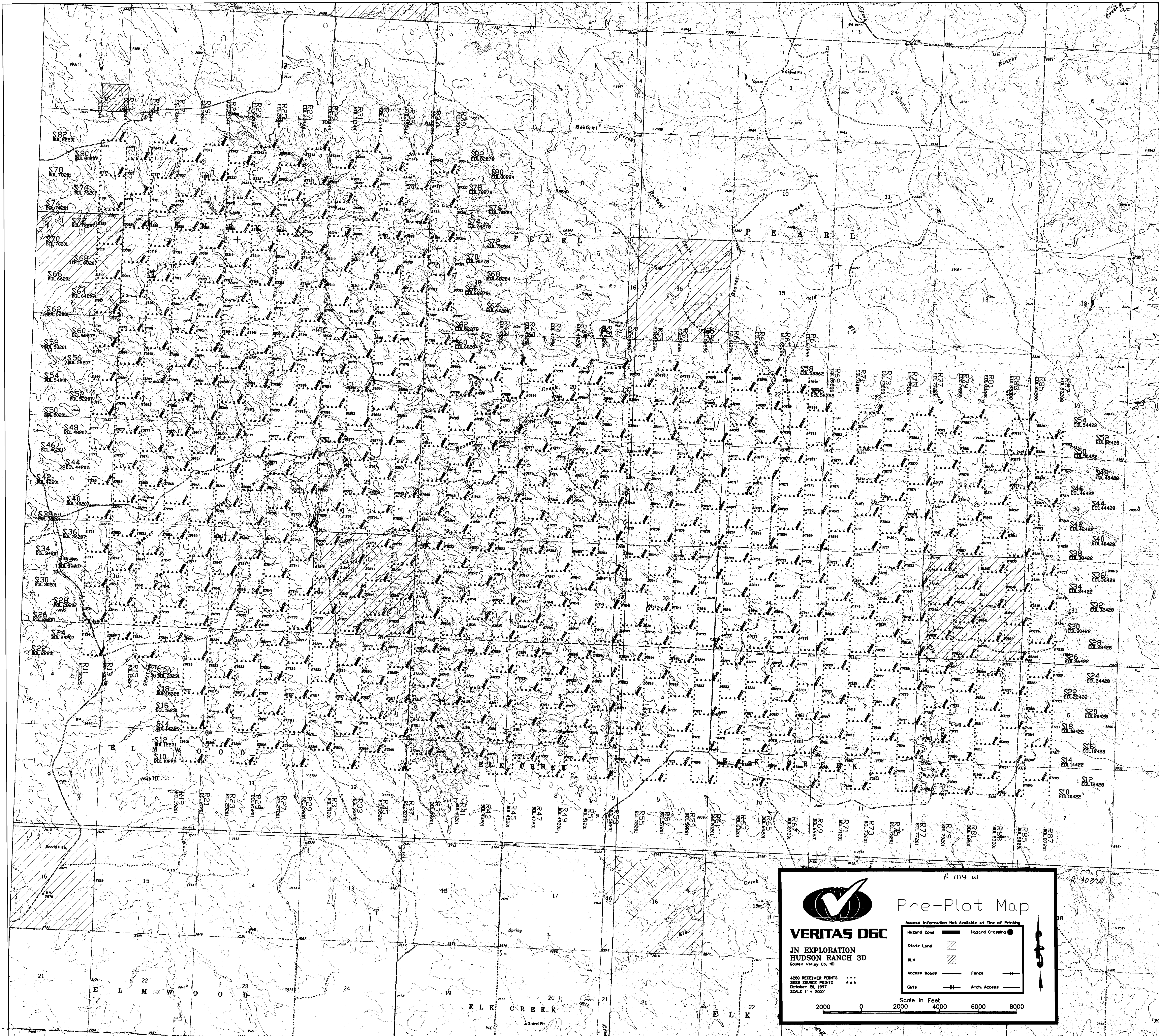
SOURCE LINE AZIMUTH: 92-29-21(dms)  
RECEIVER LINE AZIMUTH: 2-29-21 (dms)

LEGEND

- GATE
- STOCK DAM
- WATERWAY
- HOUSES / OUTBUILDINGS
- OVERHEAD POWER LINES
- UNDERGROUND POWER LINES
- RECEIVER LINE W/ 100' BUFFER
- RAILROAD TRACKS
- OIL WELLS
- DRY WELLS
- HAZARDS
- COUNTY ROAD NUMBER
- HIGHWAY NUMBER
- IMPROVED GRAVEL ROAD
- UNIMPROVED GRAVEL ROAD
- TRAIL / STRACK
- PAVED ROAD
- RECEIVER POINTS
- POSTPLOT SOURCE POINTS
- PREPLOT SOURCE POINTS
- SPRINGS 330' - 650'
- WATER WELLS - 330'

E.C.S., INC. ASSUMES NO LIABILITY ON ANY OF THE OPEN CIRCLE POINTS SHOWN ON THIS MAP. OPEN CIRCLE POINTS SHOWN ON THIS MAP SURVEYED BY EXTREME SURVEYS, INC. TOPO FEATURES ON THIS MAP ARE PRELIMINARY ONLY.





T  
143  
N

T  
142  
N

R 104 W      R 103 W

**Pre-Plot Map**

Access Information Not Available at the Time of Printing

Hazard Zone	—	Hazard Crossing	●
State Land	▨		
BLM	▩		
Access Roads	—	Fence	—
Gate	—	Arch. Access	—

4890 RECEIVER POINTS    ●●●  
 2222 SOURCE POINTS    ●●●●  
 October 20, 1997  
 SCALE 1" = 2000'

Scale in Feet  
 2000    0    2000    4000    6000    8000

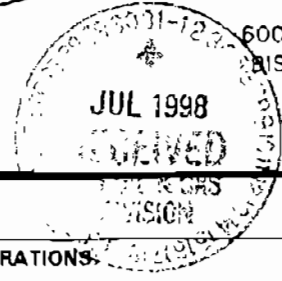








*97-0025*



PERMIT NO.: 97-0025	
SHOT HOLE OPERATIONS: 60 ft 10#	*NON-EXPLOSIVE OPERATIONS

**SECTION 1**

GEOPHYSICAL CONTRACTOR: Reliable Exploration, INC	
PROJECT NAME AND NUMBER: JN- Hudson Ranch 3-D	COUNTY(S): Golden Valley
TOWNSHIP(S): 142, 143 N	RANGE(S): 103, 104, 105 W
PERMITTED BY: Monty Erickson	
DATE COMMENCED: 4-16-98	DATE COMPLETED: 7-15-98

**SECTION 2**

FIRST S.P. #: 3223 total holes	LAST S.P. #:
LOADED HOLES (UNDETONATED SHOT POINTS)	
S.P. #'s:	<p><i>Completion report should          match up w/ attached forms</i></p>
CHARGE SIZE::	
DEPTH:	
REASONS HOLES WERE NOT SHOT: NONE	

**SECTION 3**

FLOWING HOLES S.P.#'s	NONE
PROCEDURE FOR PLUGGING FLOWING HOLES:	NONE

Include a 7.5 minute USGS topographic quadrangle map or a computer generated post-plot facsimile of the approximate scale displaying each individual shot hole, SP #, line #, and legal location.

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

**AFFIDAVIT OF COMPLETION (GEOPHYSICAL CONTRACTOR)**

MONTANA  
STATE OF ~~NORTH DAKOTA~~ )  
 )  
COUNTY OF YELLOWSTONE )

Before me, MARYBETH 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 \_\_\_\_\_  
RELIABLE EXPLORATION, INC., 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.

Allen Rein  
Geophysical Contractor Representative

Subscribed in my presence and sworn before me this 29TH day of JULY, 1998.

Notary Public Marybeth Barnby

My Commission Expires 4-15-00



**SUNDRY NOTICE**  
**INDUSTRIAL COMMISSION OF NORTH DAKOTA**  
**OIL AND GAS DIVISION**  
 SFN 51458 (11-97)

PERMIT # \_\_\_\_\_  
 600 E BOULEVARD AVE  
 BISMARCK, ND 58506

Project Name: HUDSON RANCH 3-D J&N EXPLORATION

County: GOLDEN VALLEY CO., ND

Supplemental Information:  
 BUCKSKIN STARTED PLUGGING ON THE HUDSON RANCH 3-D ON  
 4-16-98 AND FINISHED 5-30-98. BUCKSKIN PLUGGED 3131  
 HOLES AND USED 5423 BAGS OF BENTONITE. THERE WERE 9  
 BLOWOUTS, THOSE BEING SHOTPOINT NUMBERS 40424, 40425,  
 42409, 44404, 14398, 22385, 40224, 40223, & 18227.  
 THERE WERE 6 SHOTPOINTS WITH BAD CAPS, THEY WERE  
 44208, 70227, 82237, 54350, 32307, & 54299. WHEN ALL  
 WAS COMPLETED USING 33 MORE BAGS OF BENTONITE, TOTALS  
 CAME TO 3140 HOLES PLUGGED AND 5456 BAGS OF BENTONITE.

Company:

Address:

**FOR OFFICE USE ONLY**

City:	State:	Zip Code:	Date Received:
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By:	Date:	By:
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Title:	Telephone Number:	Title:
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97-0025

**AFFIDAVIT OF PLUGGING (HOLE PLUGGER)**



STATE OF NORTH DAKOTA )  
 )  
COUNTY OF \_\_\_\_\_ )

Before me, \_\_\_\_\_, a Notary Public in and for the said County and State, this day personally appeared \_\_\_\_\_ 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 and that the foregoing seismic project has been plugged in accordance with North Dakota Administrative Code Rule 43-02-12 and that the statements on the attached documents are true.

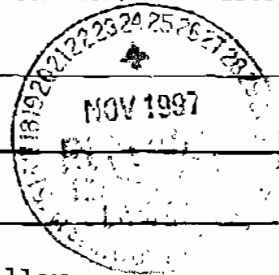
*Packer*  
*3275 holes*

*Kelly Wiley*  
\_\_\_\_\_  
Hole Plugger Representative

worn before me this 4<sup>th</sup> day of July, 1998.

Notary Public *John M. Oberly*  
\_\_\_\_\_

My Commission Expires 10-26-99



1) a. Company - Address: RELIABLE EXPLORATION, INC. 868 Parkway Lane Billings, MT 59101

Allen Rein, President (406) 259-1860 FAX (406) 259-8339

Contact, Telephone, Fax

Amwest Surety Co \$50,000.00 1140460  
 Surety Company Bond Amount Bond Number

2) a. Subcontractor(s), Address, Telephone: Swenson Drilling, Inc. Box 693 Sidney, MT 59270 (406) 482-1270 Driller

TCS Drilling Co Box 574 Sidney, MT 59270 (406) 482-7769 Driller

b. Subcontractor(s), Address, Telephone: Tumbleweed Drilling, Inc. 10120 - 111th Ave SE Minot, ND 58701 (701) 624-5613 Drilling & may plug

c. Subcontractor(s), Address, Telephone: Buckskin Services, Inc. 919 - 12th St SW Sidney, MT 59270 (406) 482-1143 Plugger

3) Party Manager, Address, Telephone

Douglas Wick P.O. Box 741 Sidney, MT 59270 (406) 482-4092

4) Project Name or Line Numbers: JN - HUDSON RANCH 3-D PROSPECT

5) Exploration Method (Shot hole, Non-Explosive, 2D, 3D): Shot hole 3-D

6) Approx. Date Work Will Start: Surveying in progress will not record until Spring 1998

Approx. Date Work Completion: \_\_\_\_\_  
**MUST NOTIFY THE COMMISSION AT LEAST 24 HOURS IN ADVANCE OF COMMENCEMENT OF DRILL/PLUG OPERATIONS**

7) Location of Proposed Project

County(s): Golden Valley County, ND Sec 6,7 T 142 N, R 103 W  
 Sec 1,2,3,4,10,11,12 T 142 N, R 105 W

Section(s), Township(s) & Range(s)	Sec.	T	R
Sec. 19, 30, 31	T 143 N	R 103 W	
Sec. 7, 18 thru 36	T 143 N	R 104 W	
Sec. 1 thru 12	T 142 N	R 104 W	
Sec. 9 thru 16, 21 thru 28, 33, 34, 35, 36	T	R	

8) Size of Hole	Amount of Charge	Depth	Shots Per Mile (sq. mi.)	Number of Miles (sq. mi.)	Identifying Marks Used on Non-metallic Plug			
					Geophysical ID	Plug ID	Plugger ID	Plugger ID
4 3/4	10#	60 ft	approx. 3078 holes	66	REL	REL	REL	REL

9) a. Proposed hole drilling and plugging procedure.

10) Enclose a Map with proposed line on it.

SIGNED: Allen Rein TITLE: President DATE: 11/20/97

(This space for State office use)

PERMIT NO. 97-0025 DATE 11-24-97

APPROVAL DATE: \_\_\_\_\_

APPROVED BY: DAVID C. HAY  
 Geophysical Regulations Supervisor

Approvals sent CV ety 11/24/97

CONDITIONS OF APPROVAL IF ANY:



NORTH DAKOTA INDUSTRIAL COMMISSION

**OIL AND GAS DIVISION**

Wesley D. Norton  
DIRECTOR

F.E. Wilborn  
ASSISTANT DIRECTOR

November 24, 1997

The Honorable Judy Sutherland  
Golden Valley County Tax Director  
P.O. Box 67  
Beach, ND 58621

RE: Geophysical Exploration  
Permit #97-0025

Dear Ms. Sutherland:

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 24, 1997 and will remain in effect for a period of one year.

Should you have any questions, please contact our office.

Sincerely,



David C. Hvinden  
Geophysical Regulation Supervisor

DCH/th

*map too large to reproduce.*