

REC-L-83
E.O.L. 8352

REC-L-89
E.O.L. 8952

REC-L-95
E.O.L. 9552

REC-L-83
B.O.L. 83489

REC-L-89
B.O.L. 89489

REC-L-95
B.O.L. 95489

REC-L-101
E.O.L. 10159

R 95 W

R 94 W

REC-L-107
E.O.L. 107540

REC-L-113
E.O.L. 113541

REC-L-119
E.O.L. 11954

REC-L-101
B.O.L. 101489

R 95 W

R 94 W

REC-L-125
E.O.L. 12551

REC-L-131
E.O.L. 13159

REC-L-137
E.O.L. 137547

REC-L-143
E.O.L. 143570

REC-L-149
E.O.L. 149575

REC-L-125
B.O.L. 125501

REC-L-131
B.O.L. 131502

REC-L-137
B.O.L. 137504

REC-L-143
B.O.L. 143507

REC-L-149
B.O.L. 149500

REC-L-155
E.O.L. 155074

REC-L-161
E.O.L. 161074

REC-L-167
E.O.L. 167073

REC-L-173
E.O.L. 173071

REC-L-179
E.O.L. 179078

REC-L-155
B.O.L. 155063

REC-L-161
B.O.L. 161066

REC-L-167
B.O.L. 167069

REC-L-173
B.O.L. 173062

REC-L-179
B.O.L. 179065

REC-L-185
E.O.L. 185080

REC-L-191
E.O.L. 191080

REC-L-197
E.O.L. 197080

REC-L-185
B.O.L. 185070

REC-L-191
B.O.L. 191073

REC-L-197
B.O.L. 197074

REC-L-203
E.O.L. 203080

REC-L-197
E.O.L. 197080

REC-L-203
B.O.L. 203084

REC-L-197
B.O.L. 197084

REC-L-203
B.O.L. 203084

REC-L-197
B.O.L. 197084

173-54

Dunn Center 3-13
(Northern Pike 3-B)

PERMIT NUMBER:

045

AFFIDAVIT OF PLUGGING (HOLE PLUGGER)



STATE OF NORTH DAKOTA)
)
COUNTY OF _____)

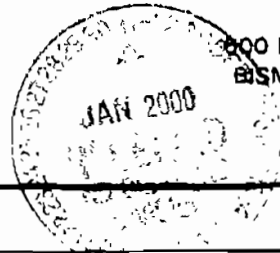
Before me, Lou M. Oberlyell, a Notary Public in and for the said County and State, this day personally appeared Joyce Day who being first duly sworn, deposes and says that (s)he is employed by Buckskin Services, that (s)he has read North Dakota Century Code Section 38-08.1 and that the foregoing seismic 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.

Joyce Day
Hole Plugger Representative

Subscribed in my presence and sworn before me this 8th day of February, 2000.

Notary Public Lou M. Oberlyell

My Commission Expires 8-12-03



PERMIT NO.: 970045	
SHOT HOLE OPERATIONS: 60 ft 10#	*NON-EXPLOSIVE OPERATIONS:

SECTION 1

GEOPHYSICAL CONTRACTOR: RELIABLE EXPLORATION, INC.	
PROJECT NAME AND NUMBER: DUNN COUNTY 3-D aka NORTHERN PIKE 3-D	COUNTY(S): Dunn Co, ND
TOWNSHIP(S): T 145, 146 N	RANGE(S): R 94.95 W
DRILLING & PLUGGING CONTRACTORS: TCS Drilling Buckskin Services, Inc.	
DATE COMMENCED: 12/14/99	DATE COMPLETED: 1/1/25/00

SECTION 2

FIRST S.P. #: TOTAL 822 SPS	LAST S.P. #:
LOADED HOLES (UNDETONATED SHOT POINTS)	
S.P. #'s:	
CHARGE SIZE::	
DEPTH:	
REASONS HOLES WERE NOT SHOT: none -	

SECTION 3

FLOWING HOLES AND/OR BLOWOUTS: S.P.#'s none
PROCEDURE FOR PLUGGING FLOWING HOLES: AND/OR BLOWOUTS: 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 28th day of January, 2000.

Notary Public MaryBeth Barnby

My Commission Expires 4-15-00

NORTHERN PIKE 3-D

NORTHERN PIKE 3-D - RELIABLE EXPLORATION, INC.**RITCHIE EXPLORATION****DUNN CO., N.D.****INSTRUMENT PROBLEMS/JOB SUMMARY****ATTENTION: MIKE CROUCH**

DATE	SOURCE PT	PROBLEM ENCOUNTERED / SUMMARY DESCRIPTION
01/11/2000	531170	SLAVE # 2 NO START, LINES 155, 149, 143, 137 & 131.
01/12/2000	555195	BAD CAP.
	565187	BAD CAP
	575156	MASTER - NO DATA ON CH'S 121-240 - T1 FAULT IN DFS VS. LINES 167 (STA'S 525 TO 519), 161 & 155 (STA'S 574 TO 521).
01/15/2000	563146	SLAVE #1 & SLAVE #2 - ITB; MASTER - ITB IN SYSTEM 2(CH'S 121-240); DATA IS USABLE
	515143	SLAVE #1 - NO START, LINES 185, 179, 173, 167 & STA'S 161516 TO 161532.
	SEE NOTE	SLAVE # 1 - FILE # 'S 335 - 372 CORRESPOND TO FILE #'S 345 - 382 OF MASTER & SLAVE # 2. SLAVE # 1 ENTERED FILE #'S INCORRECTLY AT DAYS START.
01/18/2000	511134	SLAVE #1-NO START; LINES 167(STA'S 567-519), 161, 155, 149 & STA'S 143570-143562
	581142	SLAVE #1-NO START; LINES 167(STA'S 567-519), 161, 155, 149 & STA'S 143570-143562
01/19/2000	541118	SLAVE #2-NO START; LINES 119(STA'S 525-501), 113, 107, 101, 95, 89 & 83
JOB SUMMARY - PRODUCTION REPORT		
01/04/2000		CREW MOVED TO DICKINSON, N DAK.
01/05/2000		STARTED LAYING OUT; LAID OUT LINES 203, 197 AND 191
01/06/2000		LAID OUT LINES 185, 179, 173, 167 AND PART OF 161
01/07/2000		LAID OUT REMAINDER OF 161, LINES 155 AND 149. STARTED TROUBLESHOOTING 1st SPREAD
01/08/2000		LAID OUT LINES 143, 137 & 131. TROUBLESHOOTING SPREADS.
01/09/2000		TROUBLESHOOTING 1st SETUP.
01/10/2000		TROUBLESHOOTING 1st SETUP. 60 MPH WINDS-WHITEOUT SHUTDOWN FOR DAY.
01/11/2000		SHOT 135 SHOTS ON 1st SETUP.
01/12/2000		SHOT 207 SHOTS ON 1st SETUP. 1st SETUP COMPLETED
01/13/2000		PICKED UP LINES 203, 197 & 191. LAYING OUT LINES 125, 119 & 113 ON 2nd SETUP.
01/14/2000		FINISHED PICKING UP AND LAYING OUT ON 2nd SETUP. TROUBLESHOOTING SPREADS FOR 2nd SETUP.
01/15/2000		SHOT 102 SHOTS ON 2nd SETUP. 2nd SETUP COMPLETED. STARTED PICKING UP FOR NEXT MOVE UP.
01/16/2000		PICKED UP LINES 185 & 179. LAYING OUT REMAINDER OF 113 & 107. RECORDERS TROUBLESHOOTING.
01/17/2000		FINISHED PICKING UP AND LAYING OUT ON 3rd SETUP. TROUBLESHOOTING SPREADS FOR 3rd SETUP.
01/18/2000		FINISHED TROUBLESHOOTING. SHOT 96 SHOTS COMPLETING 3rd SETUP. MOVED RECORDERS. TROUBLESHOOTING 4th(FINAL) SETUP.
01/19/2000		SHOT 111 SHOTS ON 4th(FINAL) SETUP.
01/20/2000		SHOT 171 SHOTS ON 4th SETUP. RECORDING IS COMPLETE. BROKE CABLES ACROSS ROADS.
01/21/2000		PICKED UP LINES 83, 89, 95, 101 & 107.
01/22/2000		PICKED UP LINES 113, 119, 125 & 131
01/23/2000		PICKED UP LINES 137, 143, 149 & 155
BLOWOUTS		
		NONE.
REDRILLS		
		NONE
TOTAL HOLES SHOT - 822		

RELIABLE EXPLORATION, DOUG WICK-FIELD SUPERVISOR
JOB STATUS REPORT RITCHIE EXPLORATION cell. 406-698-3892
ATTENTION: MIKE CROUCH field office. 701-225-9510 ext. 109

DATE	HOLES DRILLED	FOOTAGE	BITS	MUD	BRAN	WATER	HOLE PLUGGERS	
							ENVIROPLUG	AVG/HOLE
14-Dec-99	18	1,080				0	27	1.50
15-Dec-99	61	3660				4	304	4.9836066
16-Dec-99	54	3460				2	180	3.33
17-Dec-99	50	3600				2	253	5.06
18-Dec-99	73	4820				3	247	3.38
19-Dec-99	weathered	out						
20-Dec-99	weathered	out						
21-Dec-99	61	3980				3	173	2.83
22-Dec-99	74	4700				3	200	2.7
23-Dec-99	65	4370				2	268	4.10
30-Dec-99	96	6150				6	389	4
31-Dec-99	60	3720				3	251	4.1
2-Jan-00	58	3740				4	195	3.4
3-Jan-00	42	3380				3	112	2.6
4-Jan-00	53	3920				3	178	3.3
5-Jan-99	59	4380				5	127	2.1
	DRILLING	COMPLETE						
5640'over bid to date								
average hole depth sixty-six'								
TOTALS	822	54960	0	0	0	43	2904	3.53

PERMIT NUMBER: 45

AFFIDAVIT OF PLUGGING (HOLE PLUGGER)



STATE OF Montana NORTH DAKOTA)
COUNTY OF Richland)

Before me, Lou M Obergefell, a Notary Public in and for the said County and State, this day personally appeared Joyce Rey who being first duly sworn, deposes and says that (s)he is employed by Buckskin Services, 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.

Joyce Rey
Hole Plugger Representative

Subscribed in my presence and sworn before me this 26th day of January, 2000.

Notary Public Lou M. Obergefell

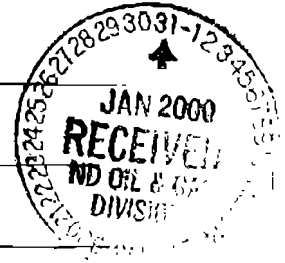
My Commission Expires 8-12-03



SUNDRY NOTICE
INDUSTRIAL COMMISSION OF NORTH DAKOTA
OIL AND GAS DIVISION
 SFN 51466 (11-97)

(B)

PERMIT # _____
 800 E BOULEVARD AVE
 BISMARCK, ND 58506



Project Name

Northern Pike 3-D

Ritchie Oil

County

Dunn County, ND

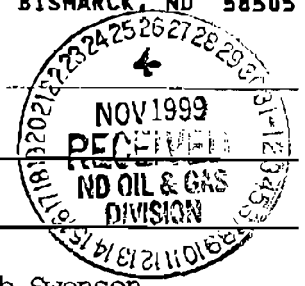
Supplemental Information

Buckskin started plugging on the Northern Pike 3-D on 12-14-99 and finished on 1-5-00. Buckskin plugged 822 holes and used 2904 bags of Bentonite. There were no blowouts, however there were two Bad Caps, shotpoint numbers 555195 & 565187.

Company: <i>Buckskin Services</i>	
Address: <i>919 12th St SW</i>	
City: <i>Sidney</i>	State: <i>MT</i>
By: <i>Jaime Rey</i>	Zip Code: <i>59270</i>
Title: <i>President</i>	Date: <i>1/26/00</i>
	Telephone Number: <i>406-483-1143</i>

FOR OFFICE USE ONLY

Date Received:	
By:	
Title:	



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

Allen Rein, President (406) 259-1860 FAX (406) 259-8589
 Contact, Telephone, Fax

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

2) a. Subcontractor(s), Address, Telephone TCS Drilling Company Box 574 Sidney, MT 59270 (406) 482-7769 Bob Swenson

Buckskin Services, Inc. 919 - 12th St SW Sidney, MT 59270 (406) 482-1143 Joyce Dey

b. Subcontractor(s), Address, Telephone

c. Subcontractor(s), Address, Telephone

3) Party Manager, Address, Telephone

Douglas Wick PO Box 741 Sidney, MT 59270 (406) 482-4092

4) Project Name or Line Numbers

RITCHIE EXPLORATION DUNN COUNTY 3-D

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

Shot hole 3-D

6) Approx. Date Work Will Start	Approx. Date Work Completion
<u>Dec 15, 1999</u>	<u>Jan 31, 1999</u>

MUST NOTIFY THE COMMISSION AT LEAST 24 HOURS IN ADVANCE OF COMMENCEMENT OF DRILL/PLUG OPERATIONS

7) Location of Proposed Project

County(s) Dunn Co, ND

Section(s), Township(s) & Range(s)	Sec.	T.	R.
	<u>31, 32, 33,</u>	<u>146 N</u>	<u>94 W</u>
	<u>36</u>	<u>146 N</u>	<u>95 W</u>
	<u>1, 12</u>	<u>145 N</u>	<u>95 W</u>
	<u>2, 3, 4, 5, 6, 7, 8, 9, 10,</u>	<u>145 N</u>	<u>94 W</u>
	<u>11, 14, 15, 16, 17</u>		

8) Size of Hole	Amount of Charge	Depth	Surface Area (sq. ft.)	Number of Miles (sq. mi.)	Identifying Marks Used on Non-metallic Plug			
					Geophysical ID	a. Plugger ID	b. Plugger ID	c. Plugger ID
<u>4 3/4</u>	<u>10#</u>	<u>60'</u>	<u>751 SPS</u>	<u>approx 9 sq</u>	<u>REL</u>	<u>REL</u>		

9) a. Proposed hole drilling and plugging procedure.

according to State specs

10) Enclose a Map with proposed line on it.

SIGNED Allen Rein TITLE Vice President DATE 11/24/99

(This space for State office use)

PERMIT NO. 970045 DATE 11/26/99

APPROVAL DATE 11/26/99

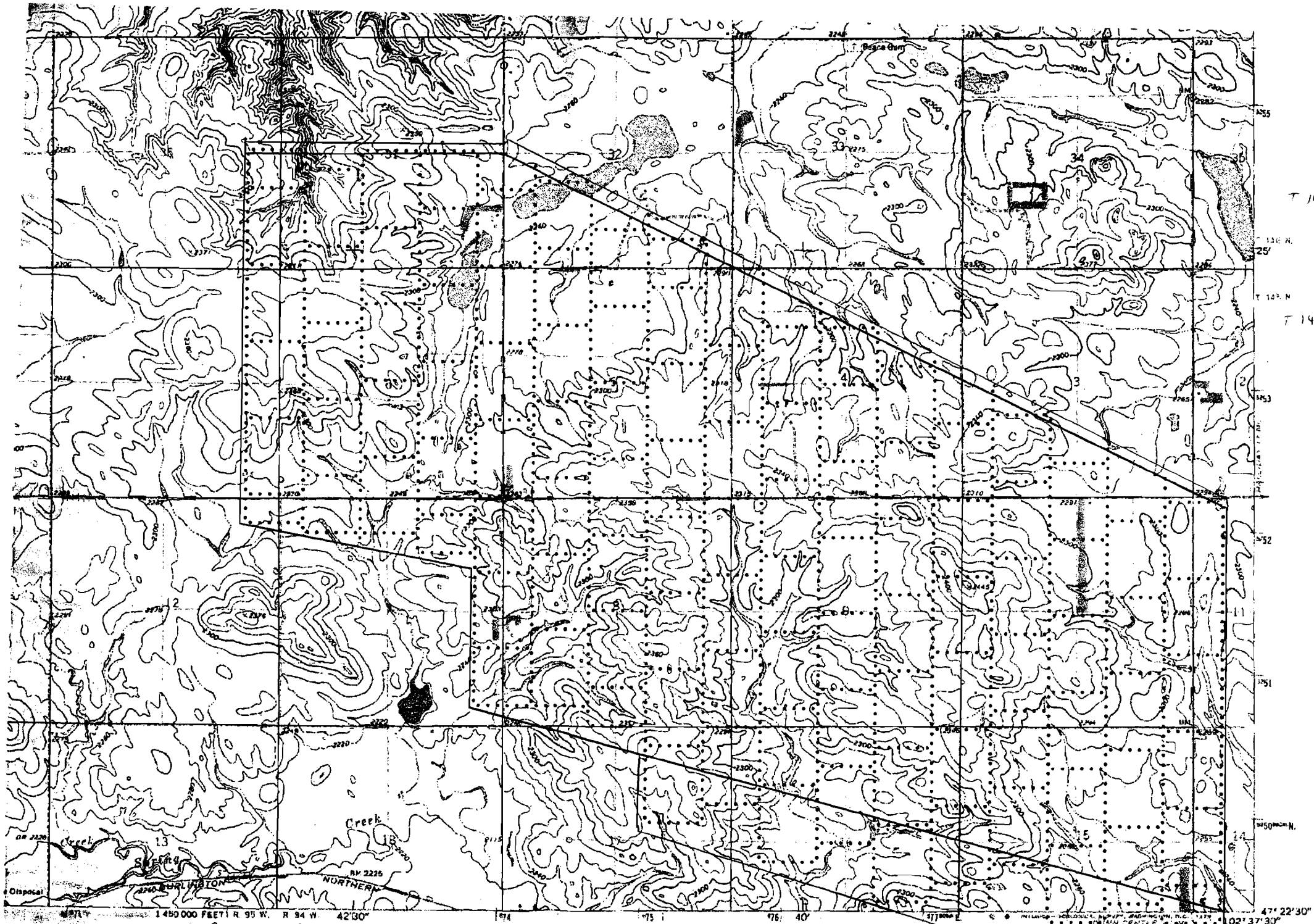
APPROVED BY David E. Hildebrand
 Geophysical Regulation Supervisor

Approvals sent 11/26/99, 19 1

Dunn County Auditor

CONDITIONS OF APPROVAL IF ANY:

Identify surface plugs w/ 45 and company stamp. Notify landowners, county & state representatives prior to drilling. Distances to water wells variances must be furnished upon request. Thank David E. Hildebrand 11/26/99



T 146 N

136 N
25'

T 145 N

T 145 N

132

131

130

47° 22' 30"

nd published by the Geological Survey R 95 W R 94 W

SCALE 1:24,000

ROAD CLASSIFICATION

Primary highway

Light-duty road, hard cr

n Nov 15 13:57:06 1999

NORTH DAKOTA INDUSTRIAL COMMISSION

OIL AND GAS DIVISION

Lynn D. Helms
DIRECTOR

<http://explorer.ndic.state.nd.us>

Bruce E. Hicks
ASSISTANT DIRECTOR

November 26, 1999

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

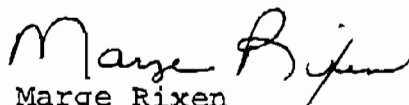
RE: GEOPHYSICAL EXPLORATION PERMIT NO. 970045
Ritchie Exploration 3-D
Dunn County

Dear Mr. Rein:

This letter will verify the approval of the above-captioned Geophysical Permit effective November 26, 1999.

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

Lynn D. Helms
DIRECTOR

<http://explorer.ndic.state.nd.us>

Bruce E. Hicks
ASSISTANT DIRECTOR

November 26, 1999

The Honorable Reinhard Hauck
P.O. Box 105
Manning, ND 58642

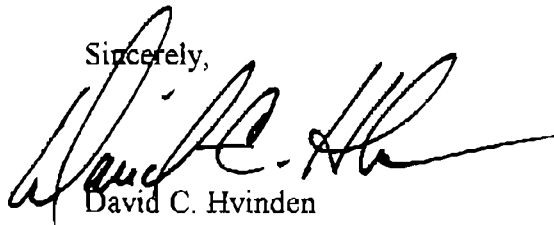
RE: Geophysical Exploration
Permit #97-0045

Dear Mr. Hauck:

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 26, 1999 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/dh