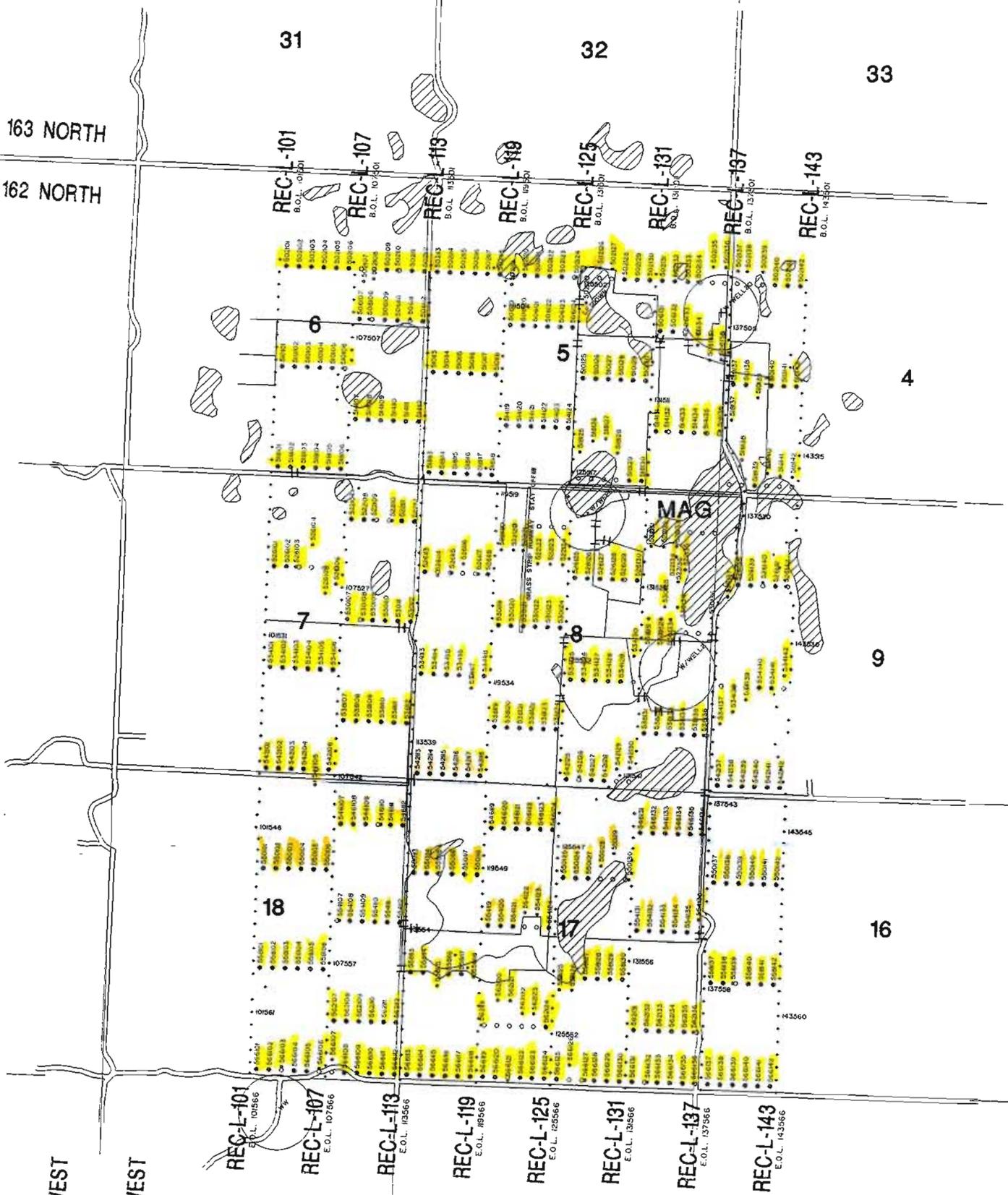


TOWNSHIP 163 NORTH
TOWNSHIP 162 NORTH

31

32

33



Handwritten notes:
Buckskin
397 holes per foot
514 1/2
232

RANGE 99 WEST
RANGE 98 WEST

SEE REVERSE SIDE FOR E.R.P.

CONTRACTOR:

LYCO

CONTRACTOR:

RELIABLE EXPLORATION INC.

SURVEYING, MAPPING, AND CAD DONE BY:

ECS INC.
ERICKSON CONTRACT SURVEYING

TROY CHURCH 3-D POSTPLOT MAP DIVIDE CO., ND TOWNSHIP 162 N RANGE 98 W	NAD27 DATUM NORTH DAKOTA STATE PLANE NORTH ZONE TOTAL SOURCE PTS: 396 TOTAL RECEIVER PTS: 528 AREA (SQUARE MILES): 6.00
SOURCE PT INTERVAL: 220' RECEIVER PT INTERVAL: 220'	SOURCE LINE INTERVAL: 1760' RECEIVER LINE INTERVAL: 1320'
DRILL PARAMETERS 60' OR SHALE 5 LBS DYNAMITE	SOURCE LINE AZIMUTH: 91-50-07 (dms) RECEIVER LINE AZIMUTH: 181-50-07 (dms)
SHEET 1 OF 1 JULY 7, 1998	SCALE: 1:24000 1"=2000'

LINE NO.	B.O.L.	E.O.L.	#
101	501	566	66
107	501	566	66
113	501	566	66
119	501	566	66
125	501	566	66
131	501	566	66
137	501	566	66
143	501	566	66
TOTAL			528

11 GATE	(37) COUNTY ROAD NUMBER
FENCE	(20) HIGHWAY NUMBER
STOCK DAM	IMPROVED GRAVEL ROAD
WATERWAY	UNIMPROVED GRAVEL ROAD
HOUSES / OUTBUILDINGS	TRAIL / 2-TRACK
OVERHEAD POWER LINES	PAVED ROAD
UNDERGROUND POWER LINES	RECEIVER POINTS
PIPE LINES W/ 100' BUFFER	POSTPLOT SOURCE POINTS
RAILROAD TRACKS	PREPLOT SOURCE POINTS
OIL WELLS	SPRINGS AND WATERWELLS
DRY HOLE	660' - 880'
HAZARDS	

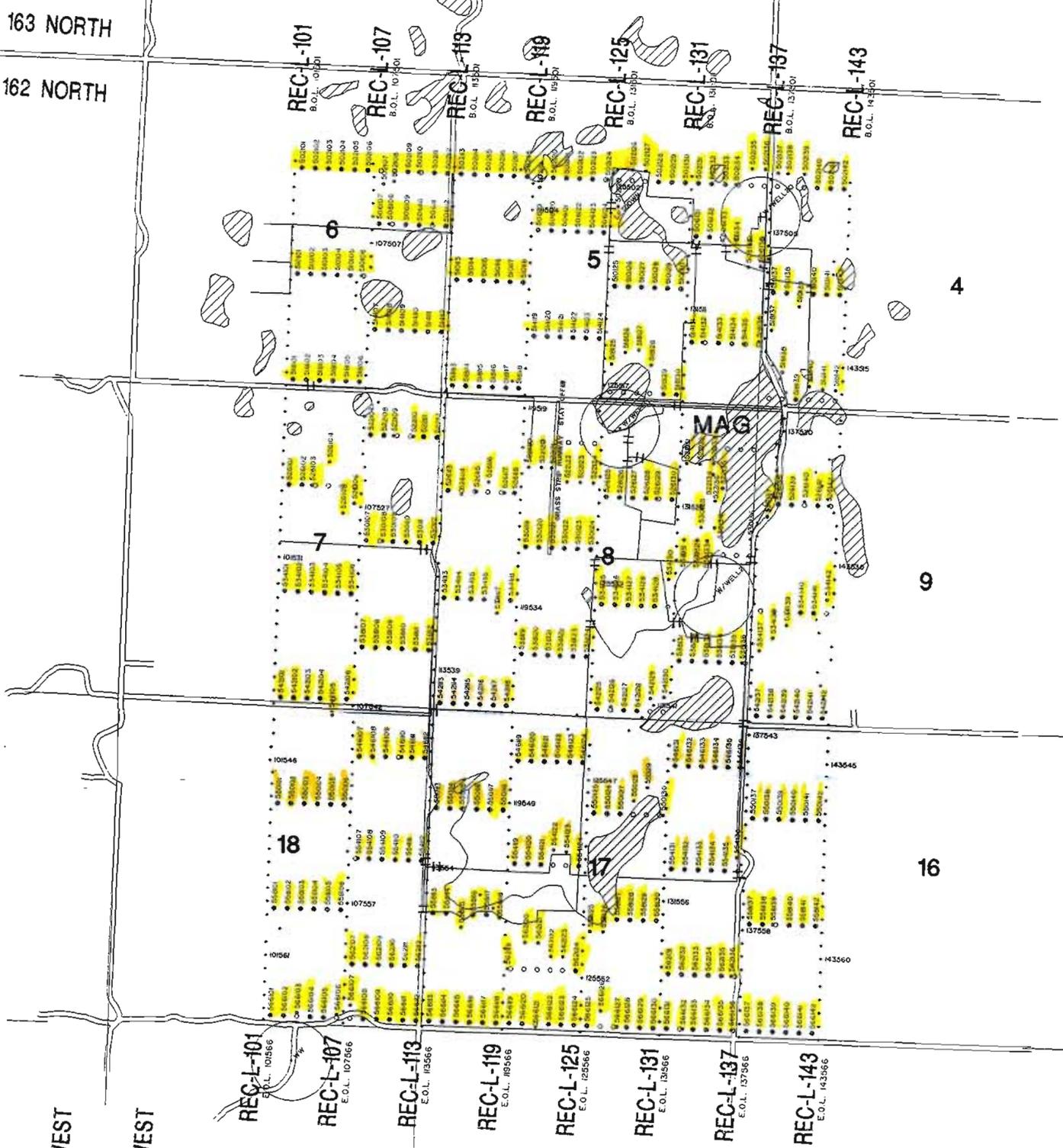
CALL ONE VERIFICATION NUMBER - xxxxxxxxxx

TOWNSHIP 163 NORTH
TOWNSHIP 162 NORTH

31

32

33



Handwritten notes:
Buckskin
397 holes per foot
5/19/98
2352

RANGE 99 WEST

RANGE 98 WEST

SEE REVERSE SIDE FOR E.R.P.

CONTRACTOR:

LYCO

CONTRACTOR:

RELIABLE EXPLORATION INC.

SURVEYING, MAPPING, AND CAD DONE BY:

ECS INC.
ERICKSON CONTRACT SURVEYING

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OIL WELLS	SPRINGS AND WATERWELLS
DRY HOLE	660' - 880'
HAZARDS	

CALL ONE VERIFICATION NUMBER - xxxxxxxxxx



PERMIT NO.: 97-0011	
SHOT HOLE OPERATIONS: 60ft 5#	*NON-EXPLOSIVE OPERATIONS:

SECTION 1

GEOPHYSICAL CONTRACTOR: RELIABLE EXPLORATION, INC.	
PROJECT NAME AND NUMBER: LYCOENERGY- NORTH TROY CHURCH	COUNTY(S): DIVIDE COUNTY
TOWNSHIP(S): T 162 N	RANGE(S): R 98 W
PERMITTED BY: Gary Hurley	
DATE COMMENCED: 7/16/98	DATE COMPLETED: 7/26/98

SECTION 2

FIRST S.P. #: 395 total holes	LAST S.P. #:
LOADED HOLES (UNDETONATED SHOT POINTS)	
S.P. #'s:	
CHARGE SIZE::	
DEPTH:	
REASONS HOLES WERE NOT SHOT: NONE	

SECTION 3

FLOWING HOLES	
S.P. #'s	NONE

PROCEDURE FOR PLUGGING FLOWING HOLES: TO STATE SPECS.
--

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)

STATE OF MONTANA

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 6TH day of AUGUST, 1998.

Notary Public MaryBeth Barnby

My Commission Expires 4-15-00.

97-0011

AFFIDAVIT OF PLUGGING (HOLE PLUGGER)

STATE OF NORTH DAKOTA)
)
COUNTY OF Divide Co.)



Before me, John M Oberly, 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 30th day of July, 1998.

Notary Public John M Oberly

My Commission Expires 6-26-99



SUNDRY NOTICE
INDUSTRIAL COMMISSION OF NORTH DAKOTA
OIL AND GAS DIVISION
 SFN 61458 (11-97)

PERMIT #
 600 E BOULEVARD AVE
 BISMARCK, ND 58505

Project Name: N. TROY CHURCH LYCO

County: DIVIDE CO., ND

Supplemental Information:

BUCKSKIN STARTED PLUGGING ON 7-16-98 AND FINISHED ON 7-21-98.

BUCKSKIN PLUGGED 397 HOLES AND USED 849 BAGS OF BENTONITE.

THERE WERE NO BLOWOUTS AND ONLY 4 BAD CAPS. THOSE SHOTPOINT NUMBERS BEING 558105 WHICH WAS SHORTED AND 554110, 526138, & 526139.

Company:	
Address:	
City:	State:
By:	Date:
Phone:	Telephone Number:

FOR OFFICE USE ONLY

Date Received:
By:
Init:



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

PERMIT # 97-0011
 600 E BOULEVARD AVE
 BISMARCK, ND 58505

Project Name:

Lyco Energy - North Troy Church 3-D 97-1

County:

Divide County, ND

Supplemental Information:

See attached map

Post-It® Fax Note	7671	Date	2-13-98	# of pages	82
To	Dave Hvinden		From	Tina	
Co/Dept			Co.	Reliable Exploration	
Phone #			Phone #	406-259-1860	
Fax #			Fax #	406-259-8589	

Company:

Reliable Exploration, Inc.

Address:

868 Parkway Lane

City:

Billings

State:

MT

Zip Code:

59101

Date Received:

By:

Allen Rein

Date:

2-13-98

By:

Title:

President

Telephone Number:

(406) 259-1860

Title:

FOR OFFICE USE ONLY

Date	2-13-98	# of pages	82
From	Tina		
Co.	Reliable Exploration		
Phone #	406-259-1860		
Fax #	406-259-8589		

Post-It[®] Fax Note 7671

To Dave Hinden

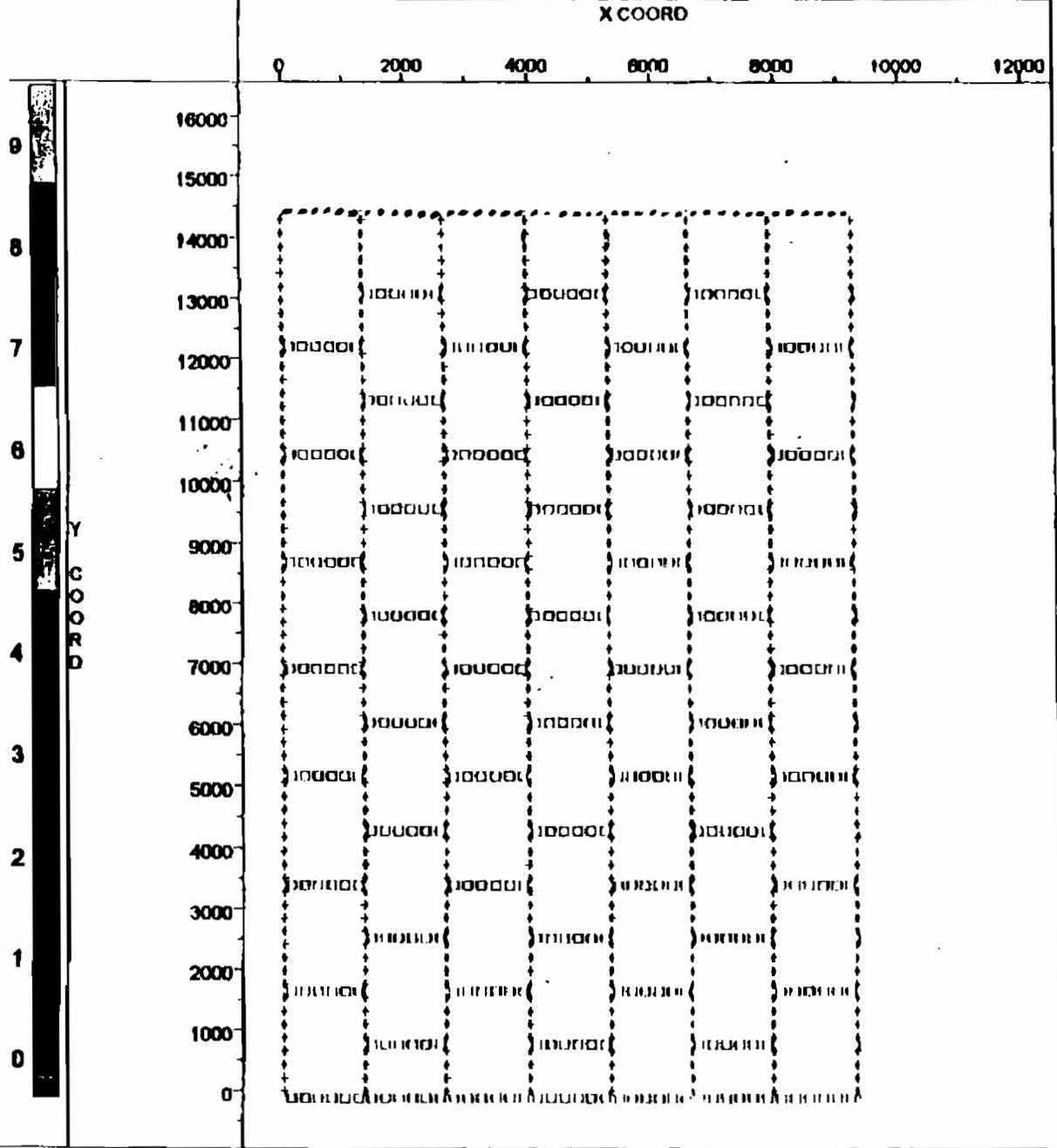
Co./Dupl.

Phone #

Fax #

Twin Butte / Troy Church 3Ds: Designed By Wavetech Geo

Scale: X: 2837.47ft/in Y: 2837.47ft/in



396 SP
528 Rec

1.25

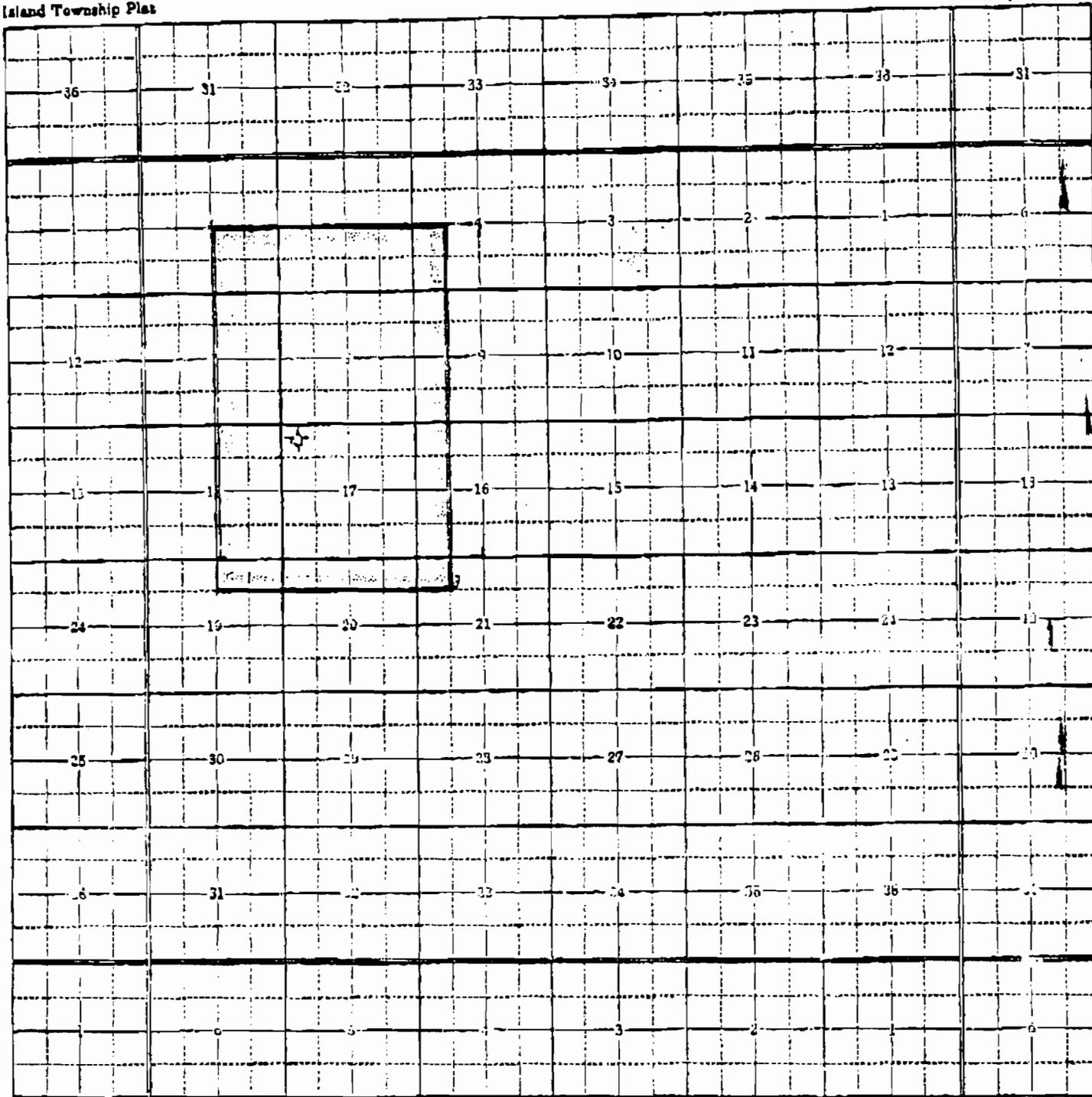
revised
2-13-98

Attachment "C"

Billings, Montana

Township 162N, Range 98W, County Divide State ND

Island Township Plat



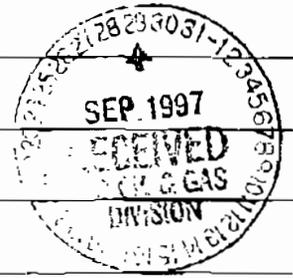
Mike Lewis will be at 406-433-5281 after Wednesday

North Troy Church Full 3-D area if we have problems (well site info)

NOTE: Note that the Survey by [unclear] They need a new contract but are ready to get started. I would like a revised price before starting in 2003 contract. It will be ready in a week.

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

OIL AND GAS DIVISION
 600 E BOULEVARD AVE
 BISMARCK, ND 58505



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 Box 574 Sidney, MT 59270 (406) 482-7769

Swenson Drilling Box 693 Sidney, MT 59270 (406) 482-1270

b. Subcontractor(s), Address, Telephone

Tumbleweed Drilling & Plugging 10120 - 111th Ave SE Minot ND 58701 (701) 624-5613

c. Subcontractor(s), Address, Telephone

Buckskin Services (Plugging) 919 - 12th St SW Sidney, MT 59270 (406) 482-1143

3) Party Manager, Address, Telephone

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

4) Project Name or Line Numbers

LYCO ENERGY - NORTH TROY CHURCH 3-D 97-1

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

Shot Hole - 3-D

6) Approx. Date Work Will Start _____ 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) Divide County, ND

Section(s), Township(s) & Range(s) Sec. 4,5,6,7,8,9,16,17,18 T 162 N R 98 W

Sec. _____ T _____ R _____

Sec. _____ T _____ R _____

Sec. _____ T _____ R _____

a) 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	a. Plugger ID	b. Plugger ID	c. Plugger ID
4 3/4	5#	60'	504 SPS	6 sq mi	REL	REL	REL	REL

9) a. Proposed hole drilling and plugging procedure. or shale

10) Enclose a Map with proposed line on it.

SIGNED Allen Rein TITLE President DATE 9/24/97

(This space for State office use)

PERMIT NO. 97-0011 9/29/97

APPROVAL DATE DAVID C. HVINDEN

APPROVED BY Geophysical Regulations Supervisor

Geophysical Regulation Supervisor

Approvals sent David C 9/24/1997

CONDITIONS OF APPROVAL IF ANY:

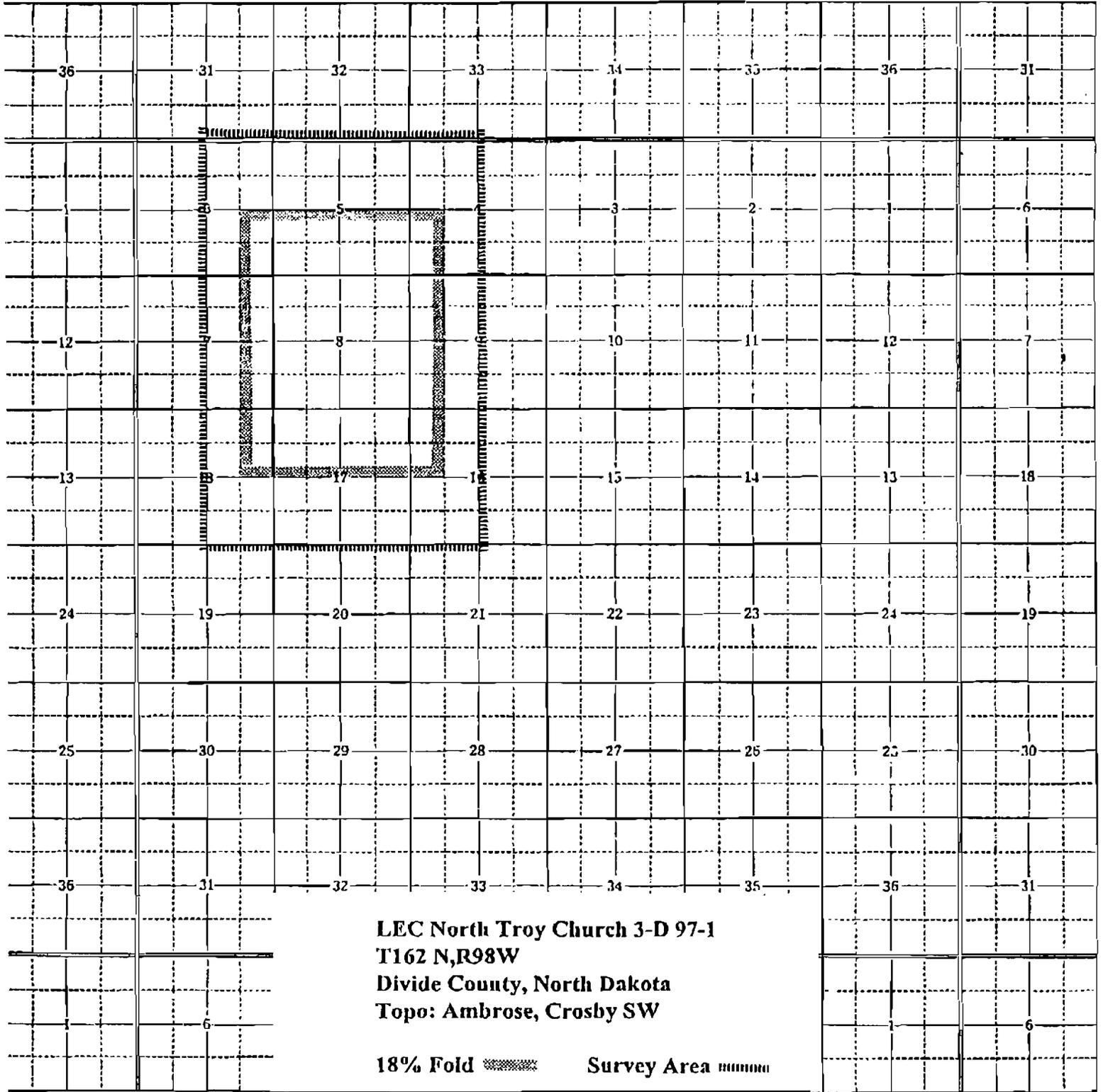
648 Rec
504 SP

10: 0714 T162 E4

Billings Blue Print
Billings, Montana

Township....., Range....., County..... State.....

eland Township Plat

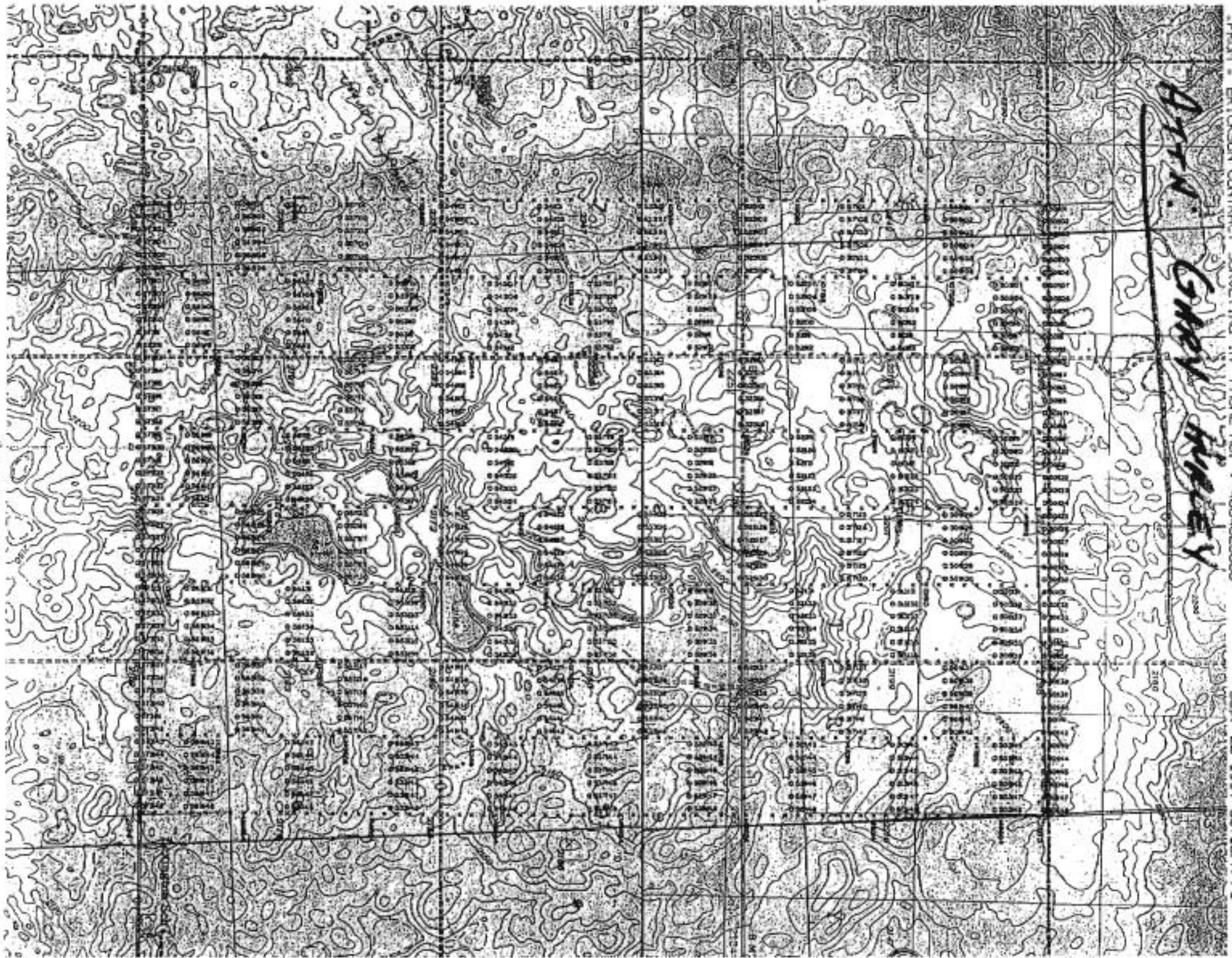


FROM : ERIKSON CONTRACT SURVEYING IN PHONE NO. : 406-4826600

4/22/97 - RECEIVED 10:29 AM 4/22/97

SEP. 22 1997 03:18PM PT

ATTN: GARY HURLEY



R 98 W

T 2 N

NORTH DAKOTA INDUSTRIAL COMMISSION

OIL AND GAS DIVISION

Wesley D. Norton
DIRECTOR

F.E. Wilborn
ASSISTANT DIRECTOR

September 29, 1997

The Honorable Shirley Peterman
Divide County Register of Deeds
P.O. Box 49
Crosby, ND 58730

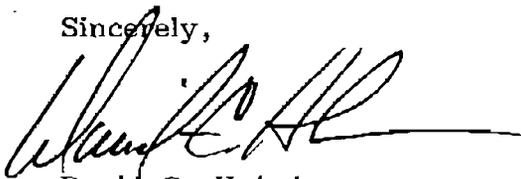
**RE: Geophysical Exploration
Permit #97-0010 and 97-0011**

Dear Ms. Peterman:

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 September 29, 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