



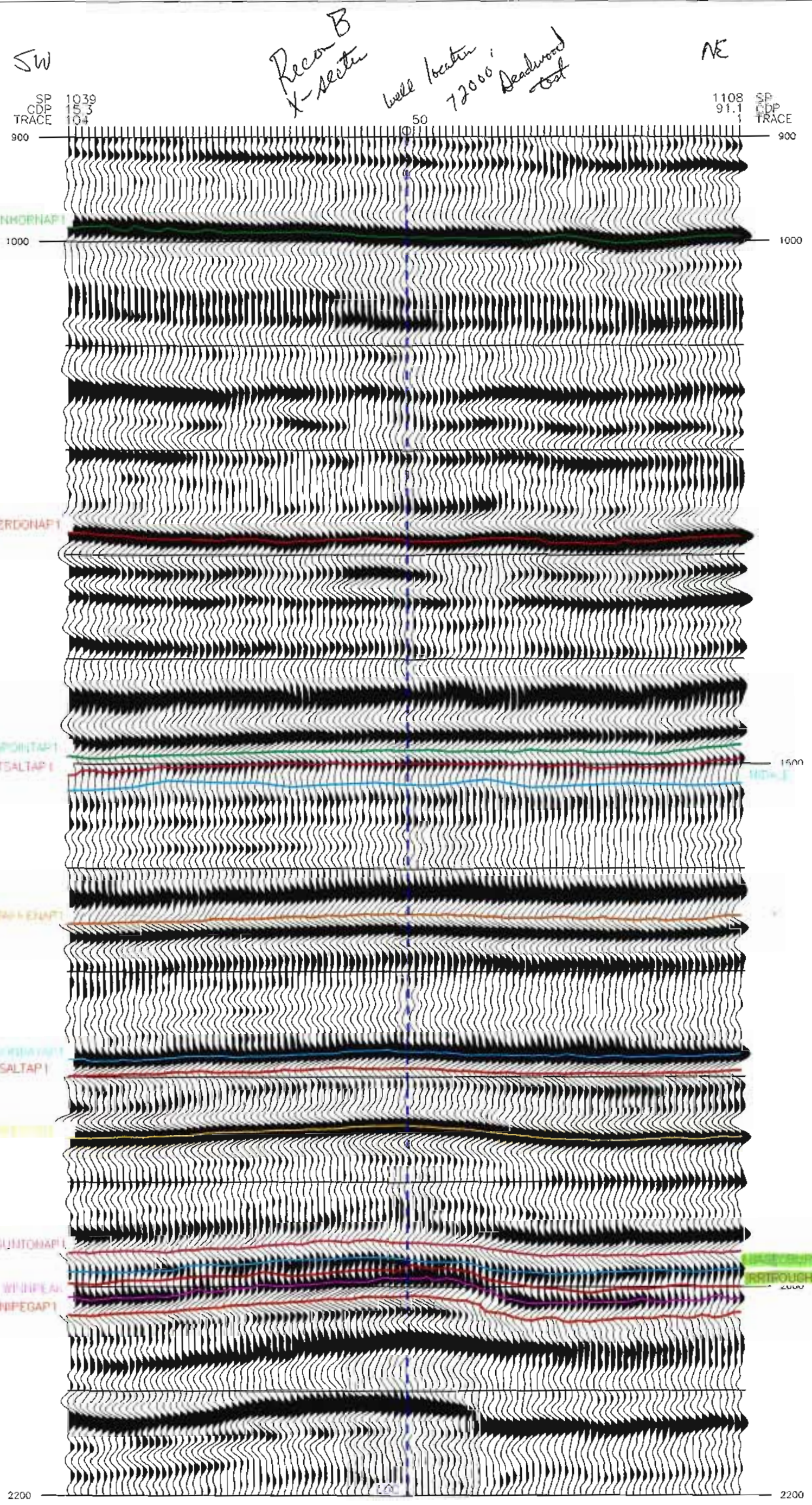
BLUFFTON 3D

CLIENT - JORDAN EXPLORATION
DIVIDE COUNTY
NORTH DAKOTA
PRE vs POST PLOT
NAD-27
NORTH DAKOTA NORTH ZONE
SCALE 1:2000
SEPTEMBER 17, 1998

NO PERMIT

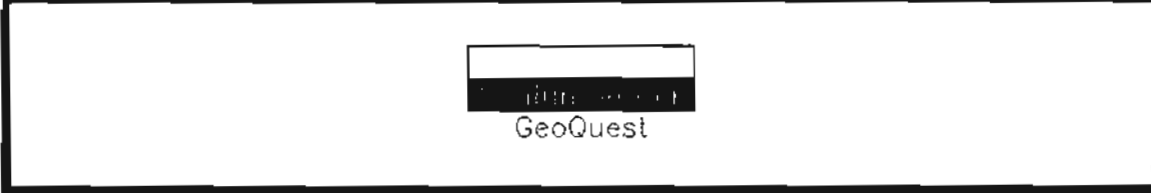
Line 10/14/94
SP 65

970040



BLUFFTON

Company: JORDAN E&P
 Created: 18-Feb-99 15:15:15
 Prepared by: STANTON5
 IES User: BLUFFTON
 IES Project: B45
 Survey: 1
 Number of panels: 1
 IES Plotting Release Date: 02/16/94



RECON B
NE ON RIGHT

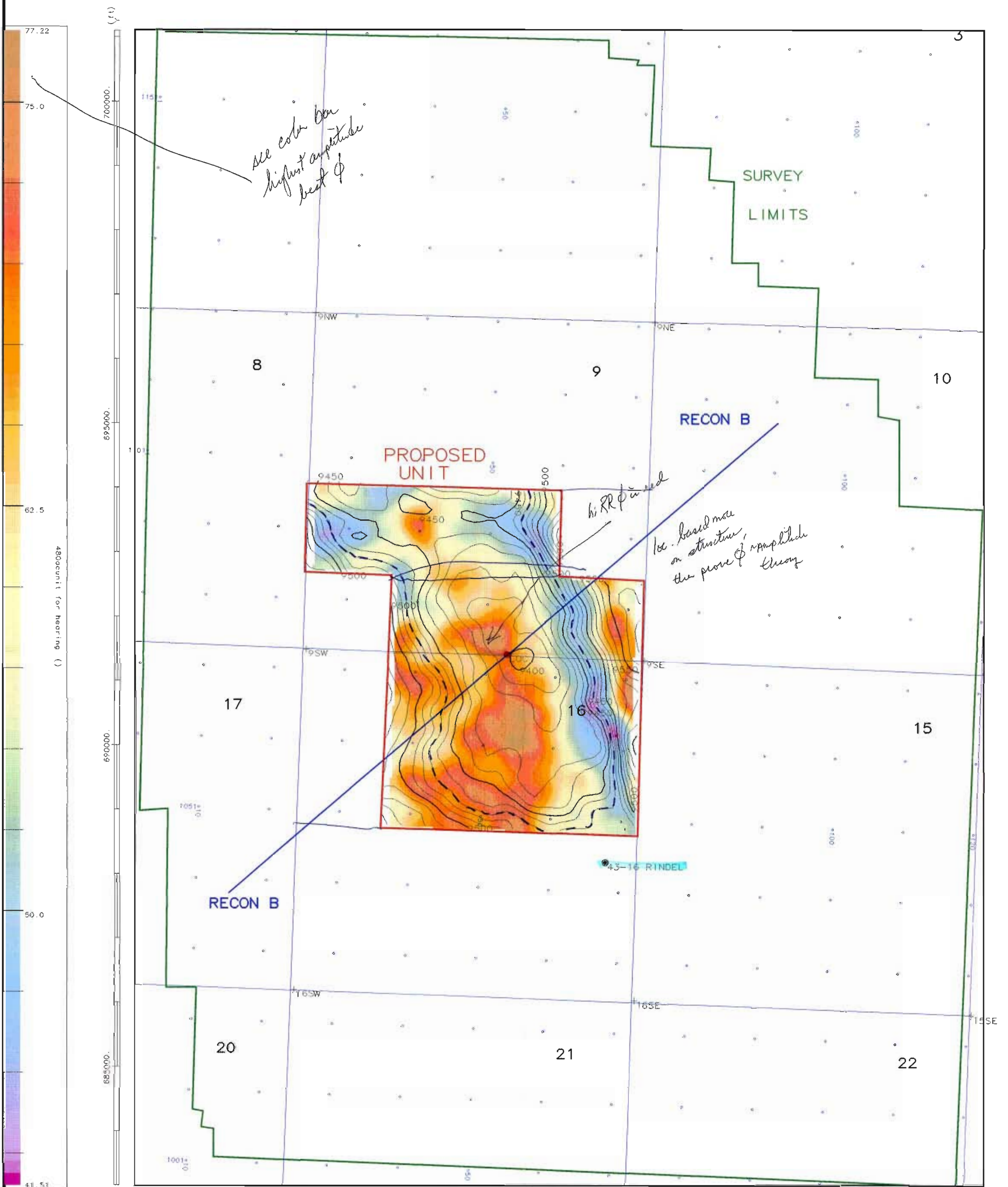
Panel Number: 1

Line:	RECONB	Object ID:	RECONB	Version:	2
Line Type:	Reconstruction Cut	CDP:	91-15	SP:	1108-1039
Trace:	1-104				
Azimuth:	92.0	Polarity:	Reverse		
16.00	Traces/Inch	10.00	Inches/Second		
Decimation:				1	
Map Distance Across Panel:				135246.02inches	
Trace Spacing:				1313.07inches	
Display Scale:				21009.09 inches/Inch	
Time Range:				900=2200 Milliseconds	
Scale Mode is Survey				Scale Value is 100.00	

blufrb18151542 zeh 18-Feb-1999 15:16
blufrb.cgm -- stanton geoquest

blufrb18151542 zeh 18-Feb-1999 15:16
blufrb.cgm -- stanton geoquest

RECONB



CASE # 7215
EXHIBIT 3
 970040

Schlumberger GeoQuest
 480BCBPUSWNPKNORMAM - USER
 480ocunit for hearing
 BASE C BURROWED PLUS WINNIPEG PK AMPLITUDES 1"=1000'
 STANTONS BLUFFTON45ROT
 18-Feb-99 14:34:25 Schlumberger GeoQuest
 Scale = 1 : 12000.0 0.0 2000.0



GEOPHYSICAL COMPANY

SEISMOGRAPH SURVEYS

508 WEST WALL, SUITE 800
MIDLAND, TEXAS 79701-5010

October 27, 1998

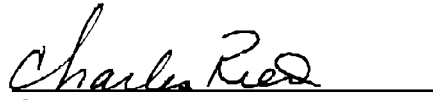
North Dakota Industrial Commission
Oil & Gas Division
600 E. Boulevard Ave., Department 405
Bismarck, North Dakota 58505-0840



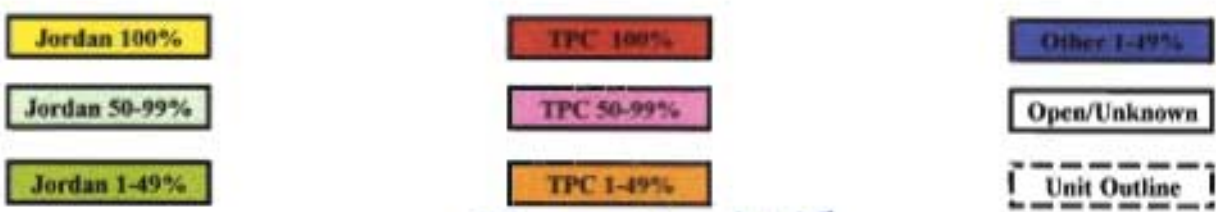
Attn: Mr. David C. Hvinden

In reference to our Bluffton Job #13798, North Dakota permit #970040, enclosed is a post plot map displaying the location of the source and receiver lines.

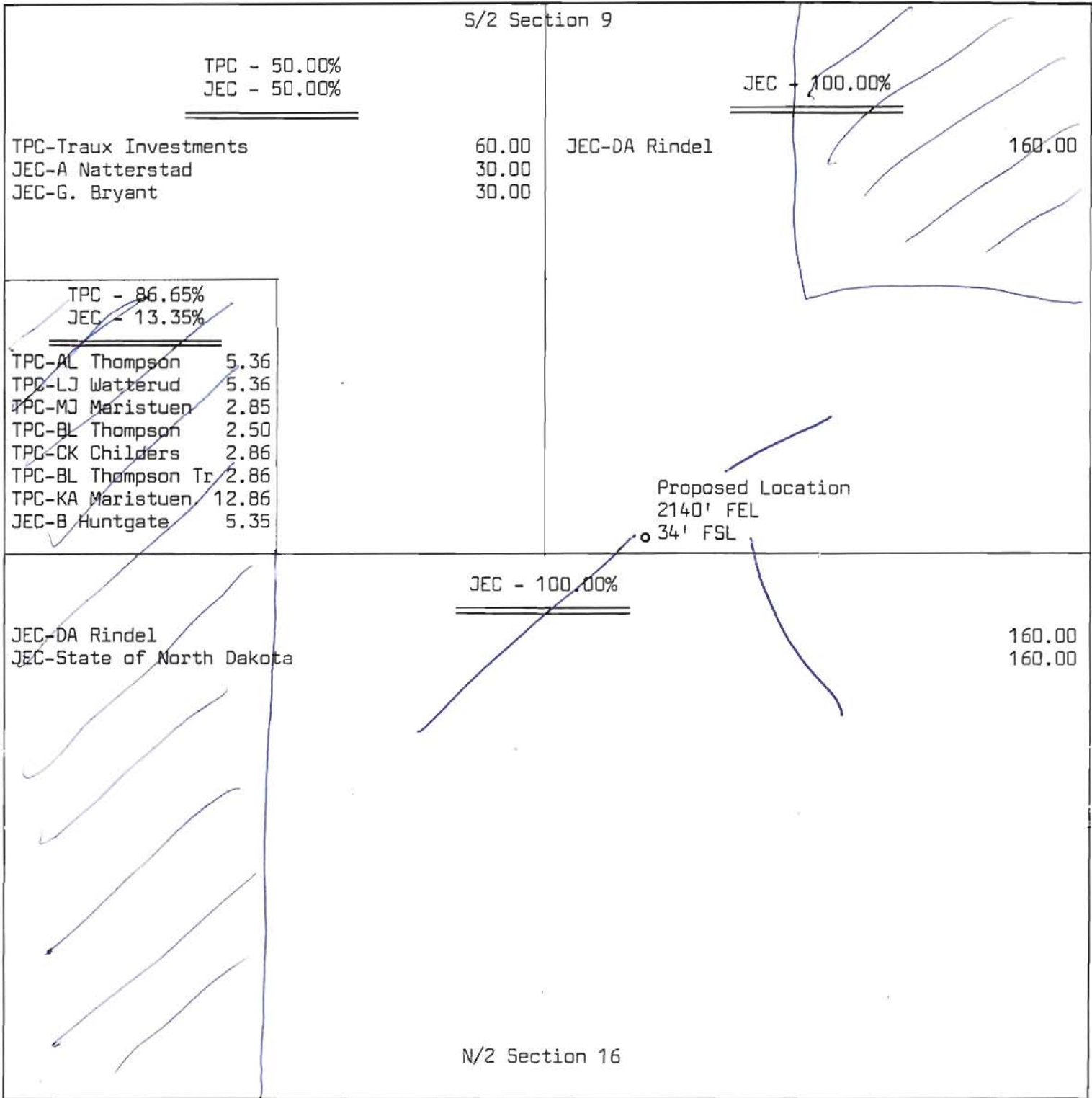
Sincerely,


Charles Reed, permit agent

T162N, R96W
 Divide County, North Dakota



Case No. 7215
 Exhibit 1



TPC = TPC Exploration
 JEC = Jordan Exploration Company, L.L.C.

Prepared by GA Holland
 January 22, 1999

Case No. 7215
 Exhibit 2

NORTH DAKOTA INDUSTRIAL COMMISSION

OIL AND GAS DIVISION

Lynn D. Helms
DIRECTOR

F.E. Wilborn
ASSISTANT DIRECTOR

October 19, 1998

Mr. Bernie Lambert
Dawson Geophysical Company
508 West Wall, Suite 800
Midland, TX 79701-5010

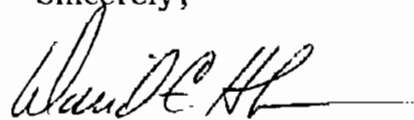
**RE: Bluffton Job No. 13798
ND Permit No. 970040**

Dear Mr. Lambert:

We are in receipt of your seismic completion report, however, we have not received the required post plot maps displaying the location of the source and receiver lines and exact location of the source points.

Please submit this map at your earliest convenience.

Sincerely,



David C. Hvinden
Geophysical Regulation Supervisor

DCH/dh

NORTH DAKOTA INDUSTRIAL COMMISSION

OIL AND GAS DIVISION

Lynn D. Helms
DIRECTOR

F.E. Wilborn
ASSISTANT DIRECTOR

October 12, 1998

Mr. Bernie Lambert
Dawson Geophysical Company
508 West Wall, Suite 800
Midland, TX 79701-5010

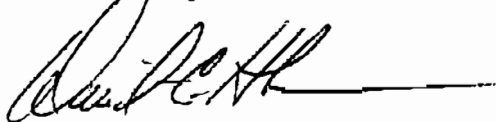
RE: Bluffton Job No. 13798
ND Permit No. 970040

Dear Mr. Lambert:

Our records indicate that the above captioned seismic program was completed September 29, 1998. Please be advised that on any subsequent programs our agency will require a pre-program meeting between our field representative and the geophysical exploration company field supervisor.

Should you have any questions with regard to this matter, feel free to contact our office.

Sincerely,



David C. Hvinden
Geophysical Regulation Supervisor

DCH/th



PERMIT NO.: 97-0040	
SHOT HOLE OPERATIONS:	*NON-EXPLOSIVE OPERATIONS: <i>yes</i>

SECTION 1

GEOPHYSICAL CONTRACTOR: <i>DAWSON Geophysical Company</i>	
PROJECT NAME AND NUMBER: <i>BLUFFTON Job # 13798</i>	COUNTY(S): <i>Divide</i>
TOWNSHIP(S): <i>T-162N</i>	RANGE(S): <i>R-96W</i>
DRILLING & PLUGGING CONTRACTORS:	
DATE COMMENCED: <i>9/22/98</i>	DATE COMPLETED: <i>9/29/98</i>

SECTION 2

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

SECTION 3

FLOWING HOLES AND/OR BLOWOUTS: S.P.#'s
PROCEDURE FOR PLUGGING FLOWING HOLES: AND/OR BLOWOUTS:

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.

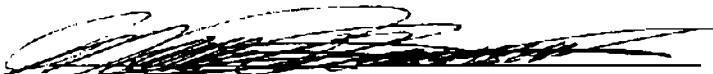
*Non-Explosive Operations - Complete Section 1 and Affidavit.

AFFIDAVIT OF COMPLETION (GEOPHYSICAL CONTRACTOR)




STATE OF NORTH DAKOTA)
)
COUNTY OF DIVIDE)

Before me, Shirley Peterman, Clerk of District Court , a ~~Notary Public~~ in and for the said County and State, this day personally appeared Max Hanson who being first duly sworn, deposes and says that (s)he is employed by Dawson Geophysical Company , that ~~he~~ she 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 29th day of September , 1998 .

Notary Public 
SHIRLEY PETERMAN
Clerk of District Court
Dakota County, Crosby, N.D.

My Commission Expires Term of Office

NORTH DAKOTA INDUSTRIAL COMMISSION

OIL AND GAS DIVISION

Lynn D. Helms
DIRECTOR

F.E. Wilborn
ASSISTANT DIRECTOR

August 27 ,1998

Jim Huff
Dawson Geophysical
508 West Wall, Ste. 800
Midland, TX 79701-9976

**RE: GEOPHYSICAL EXPLORATION PERMIT NO. 970040
BLUFFTON PROSPECT
DIVIDE CO.**

Dear Mr. Huff:

This letter will verify the approval of the above-captioned Geophysical Permit effective August 25, 1998.

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

Sincerely,


Marge Rixen
Legal Assistant

/mr

cc: Duane Brown
Golden Hub Motel
Room 139
Crosby, ND 58730



GEOPHYSICAL EXPLORATION PERMIT
 INDUSTRIAL COMMISSION OF NORTH DAKOTA
 OIL AND GAS DIVISION
 SFN 51459 (11-97)



1) a. Company: DAWSON GEOPHYSICAL		Address: 508 WEST WALL-SUITE 808 MIDLAND-TEXAS-79701-9976	
Contact: JIM HUFF (OPS SUPERVISOR)		Telephone: 915-681-3001	Fax: 915-681-3000
Surety Company: LIBERTY MUTUAL INSURANCE-BOSTON, MA 02117		Bond Amount: \$25,000.00 (TWENTY FIVE THOUSAND)	Bond Number: QL1-191-010817-805
2) a. Subcontractor(s): NONE		Address: —	Telephone: —
b. Subcontractor(s): NONE		Address: —	Telephone: —
c. Subcontractor(s): NONE		Address: —	Telephone: —
3) Party Manager: GRADY GILREATH		Address: SAME AS ABOVE	Telephone: CELL PHONE 915-556-0292
4) Project Name or Line Numbers: BLUFFTON PROSPECT. (CLIENT IS JORDAN EXPLOYATION)			
5) Exploration Method (Shot Hole, Non-Explosive, 2D, 3D): NON EXPLOSIVE (3D WORK)			
6) Approximate-Drilling Start Date: SEPT 15-1998		Approximate Completion Date: OCT 15-1998	

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

7) Location of Proposed Project - County DIVIDE							
Section(s), Township(s) & Range(s)		Sec. 7-4-5	T 162N	R 96W			
		Sec. 8-9-10	T 162N	R 96W			
		Sec. 15-16-17	T 162N	R 96W			
		Sec. 21-22	T 162N	R 96W			
8) Size of Hole	Amt. of Charge	Depth	Shots per Mi. (sq.mi.)	No. of Mi. (sq. mi.)	Identifying Marks Used on Nonmetallic Plug		
NONE	NONE	NONE	NONE	8 (EIGHT)	Geophysical ID	a. Plugger ID	b. Plugger ID
					NONE	NONE	NONE
							NONE
9) Anticipated special drilling and plugging procedures? NONE							
10) Enclose a pre-plot map with proposed location of seismic program lines and powder mag. Yes (1) ENCLOSED							

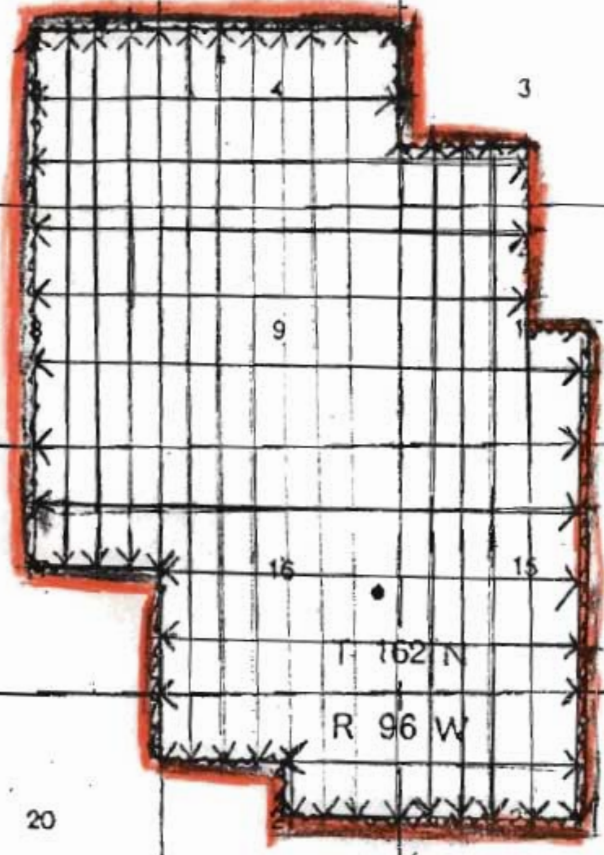
Signed: <i>Duane G Brown</i>	Title: PERMIT AGENT-DAWSON GEO	Date: August 25-1998
---------------------------------	--	--------------------------------

(This space for State office use)		Conditions of Approval if any: <i>surface owner and county notification must occur prior to commencement of project. [Signature]</i>
Permit No.: 97-0040	Approval Date: 8/25/98	
Approved By: <i>David E. Hinder</i>		
Title: <i>Geophysical Regulation Supervisor</i>		
County Approval Sent: <i>Divide</i>		

DAKA.MONT
1
1943'
811.515'



CABLES-(N-S) Ever 660 FT
VIBS-(E-W) 1320' ET
BM 2008



(T-162 N
R-96 W)

BM 2171

BM 2316

BLUFFTON PROSPECT DIVIDE CO., N.I.
JORDAN EXPLORATION
SOURCE LINES = 1320' (E-W)
RECEIVER " = 660' (N-S) BRICK PATTERN
220' GROUP & SOURCE SPACING
110' PINS
3 SECOND RECORD
OBJECTIVE DEPTH = 9500'

NORTH DAKOTA INDUSTRIAL COMMISSION

OIL AND GAS DIVISION

Lynn D. Helms
DIRECTOR

F.E. Wilborn
ASSISTANT DIRECTOR

August 26, 1998

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

**RE: Geophysical Exploration
Permit #97-0040**

Dear Ms. Peterman:

Pursuant to Section 38-08.1-04.2 of the North Dakota Century Code, please be advised that Dawson Geophysical was issued the above captioned permit on August ~~25~~^{26 1998}, 1998 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