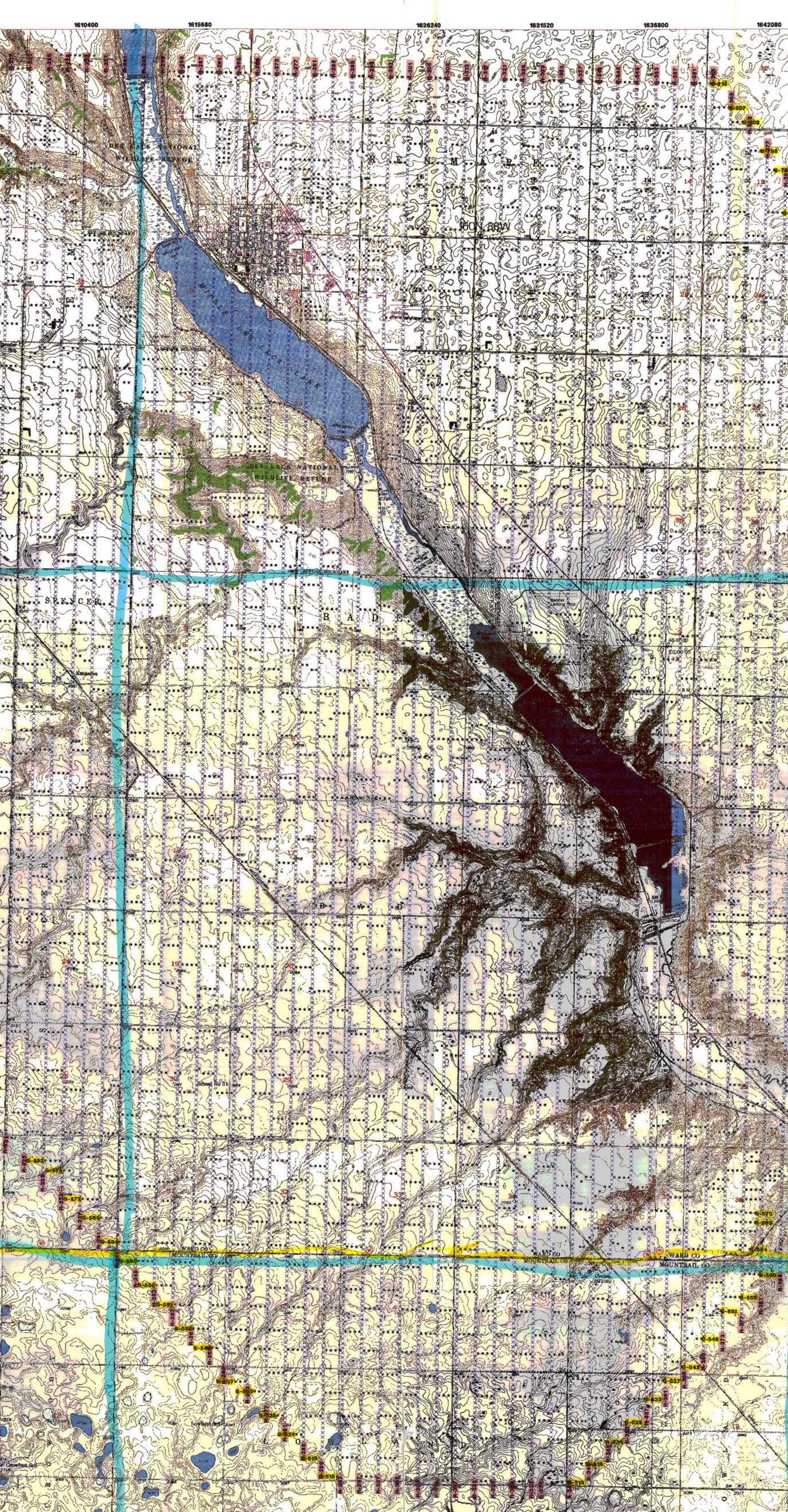


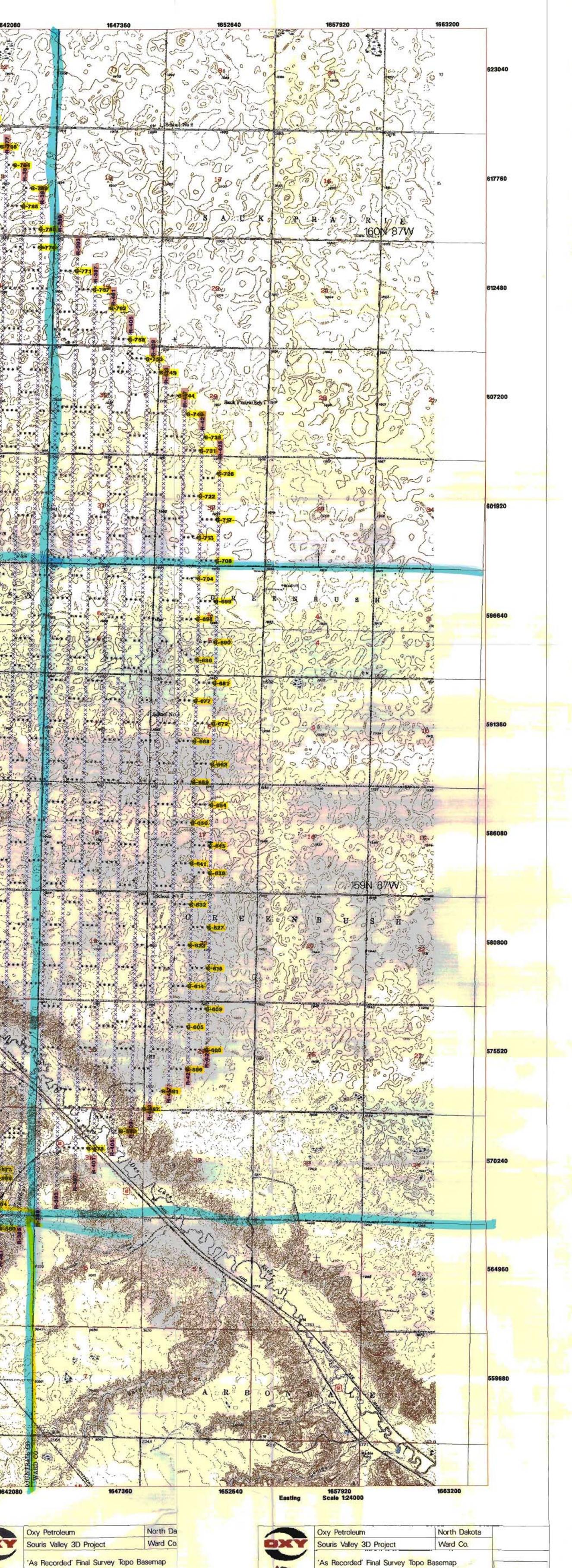




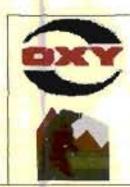
'As Recorded' Final Survey Topo Basemap







Oxy Petroleum Souris Valley 3D Project 'As Recorded' Final Survey 1 'As Recorded' Final Survey Topo Basemap



"As Recorded" Final Survey Topo Basemap 970031

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Schlumberger Geco-Prakta

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NORTH DAKOTA INDUSTRIAL COMMISSION

<u>IL AND GAS DIVISIO</u>

Lynn D. Helms DIRECTOR

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

F.E. Wilborn ASSISTANT DIRECTOR

October 16, 1998

Mr. Bob Morgan GECO-Prakla 9900 W. Interstate 20 Midland, TX 79706

RE: Completion Information Souris Valley 3D ND Permit No. 97-0031

Dear Mr. Morgan:

Please be advised that pursuant to North Dakota Administrative Code Section 43-02-12-06 (enclosed) any person performing geophysical exploration shall file a seismic completion report within thirty days of completion of the project.

For your convenience I have enclosed a few copies of our seismic completion reports. Please complete and submit the report and affidavit along with the required post-plot map.

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

David C Hvinden

Geophysical Regulation Supervisor

DCH/dh enc.

2 = NOTICE 11-12-58 DCH



SEISMIC COMPLETION REPORT INDUSTRIAL COMMISSION OF NORTH DAKOTA OIL AND GAS DIVISION

OIL AND GAS DIVISION SFN 51458 (11-97)

600 E BOULEVARD AVE BISMARCK, ND 58505

PERMIT NO.:	97-0031

SHOT HOLE OPERATIONS:

*NON-EXPLOSIVE OPERATIONS:

SECTION 1

GEOPHYSICAL CONTRACTOR:	
PROJECT NAME AND NUMBER: 	COUNTYISI: WARD AND MOUNTRAIL COUNTY
TOWNSHIP(S):	RANGE(S):
DRILLING & PLUCCING CONTRACTORS: DAVE BONE DEILL HELIPORTABLE DRILLING INC., NORTH RIVER EXPLORATION	NG AND HOLE PLULANNA, EXPLORATION INL., DIANON DELL TUMBLEWEED DELLUSSE AND HOLE PLUCIEUS
DATE COMMENCED:	DATE COMPLETED:

SECTION 2

FIRST S.P. #:					LAST 8.P. #:							
LOADED HOLE				IED SKI	PPED	PONTS						
S.P. #'s:								_				
CHARGE SIZE::	:											•
DEPTH:												
REASONS HOL	ES WERE N	OT SHOT:		-			1	L	-	l	- <u>-</u>	
							-			•		

SECTION 3

FLOWING HOLES AND/OR BLOWOUTS: S.P.#'s FLOWING HOLES! 807/141, 735/158, 735/150, 740/212 (total of 4) BLOWOUTS! 699/118, 7351 158, 767/197, 907/197, 771/269, 704/324, 591/374, 623/356, 681/342, 519/317, 591/374, 699/118 (total of 12) PROCEDURE FOR PLUGGING FLOWING HOLES: AND/OR BLOWOUTS: Thowing Holes: A rubber bladder filled with air was put down the hole and this was cemented in. BLOWOUTS: Filled with katomic

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.

#970031

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AFFIDAVIT OF COMPLETION (GEOPHYSICAL CONTRACTOR)
STATE OF NORTH DAKOTA)
COUNTY OF Ward and Mountrail,
Before me, <u>Jack's Kurley</u> , a Notary Public in and for the said County and State, this day personally appeared <u>Scott Jottam</u> who
being first duly sworn, deposes and says that (s)he is employed by <u>schlumberger</u>
Gras-fialla, that (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.
JACKIE KERLEY Notary Public, State of Texas My Commission Expires May 20-2000 Geophysical Contractor Representative
Subscribed in my presence and sworn before me this 5 day of $90010000000000000000000000000000000000$
Notary Public
My Commission Expires <u>4000</u>

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Orv Petroleum - Souris Valley 30

Skipped Points

Date	Line Point		FFID	Reason	Depth of Source	Charge Size	
16-AUg	519	312	6922		90 FT	5 LB	
17-Aug	542	308	7044	cap only	60 FT	SLB	
24-Aug	582	237	8200	instrument error	60 FT	S LB	
16-Aug	587	314	6835	لاعط حعو	50 FT	SLB	
27-Jul	591	414	5006	dead cap	58 FT	S LS	
29-14	605	394	5308-5309	dead cap	50 FT	S LE	
19-AU0	609	265		Skipped Aug 19	80 FT	5 LE	
22-AU0	614	265		10 Bads	57 FT	5 LB	
14-AUg	618	319		skloped Aug 14	80 FT	5 LB	
28-Jul	623	411	5081-5082		81 FT	S LB	
28-14	627	407	5147		S1 FT	5 LB	
16-Aug	641	306	8997	bad cao	40 FT	5 LB	
14-AUQ	641	324		ng leads or cap because farmer ployed them	• ·	SLB	
28-Jul	641	412	5071-5072		60 FT	5 LBS	
14-A⊔0	650	322	30, . 30, c	ng leads or cap	65 FT	5 LB	
28-440	854	175	8869	ceao cap	80 FT	2.2 LB	
28-709 28-10	654	405	5131	cap only	56 FT	SLB	
27Jui	859	419	4936	cap only	60 FT	5 LB	
27-AUG	663	182	4930	dead cap	\$7 FT	S LB	
•	677	274	7606	dead cap	60 FT	5 LB	
21-Aug	661	383	5498		80 FT	2218	
11.Jul	686	410	4886	cap only	60 FT	518	
28-Jul 24-Jul	699	382	4549-4550	cap only	60 FT	518	
	1	1	1			518	
24-Jul	704 704	379	4552	dead cap	60 FT 55 FT	518	
25-Jul		396	46688487		60 FT	SLB	
	731	355	4144	recorded on same record as 749/353	*-		
22 Jul	735	360	4194-4195		60 FT	SLB	
8-Jun	740	163	1000	අනෙ සහ	60 FT	5 L B	
25-Jun	740	241	2291-2292		60 FT	SLB	
3-JUN	744	117	302	Instrument error/lost record	60 FT	5 LB	
4-JUN	744	127	424-426	dead cap	60 FT	SLB	
10-Jun	744	184	1282	déad cap	52 FT	5 LB	
26-Jul	744	407	4784-4785		55 FT	S LB	
3-մար	749	113	137-138	deso paep	30 FT	5 L8	
21 Jul	749	353	4144	recorded on same record as 731/353	60 FT	5 18	
a-Jun	758	131	436-438	dead cap	60 FT	SLB	
nut-1	758	132		leads broke down hole	60 FT	5 L8	
ا∪ل∗ك	758	263	2943-2944		90 FT	5 L8	
1479	762	152	790	Instrument error/lost record	60 FT	5 L8	
7-Jul	767	330	3825	dead ceo	60 FT	5 L8	
11 - Jua	771	191	1418	9639 C69	60 FT	5 LB	
18-Jui	771	343	3905	harument error	50 FT	5 LB	
4- Jun	780	135		broom tzol/rorre tremuteril	60 FT	2.2 L8	
15-101	780	325	3642	cap only	55 FT	22LB	
1 8- Jul	780	341		bad leads	50 FT	5 LB	
21 เป็นไ	785	355	4115	сар оліу	50 FT	SLB	
4.JUA	789	134	5288.533	dead cap	60 FT	5 LB	
7.Jun	789	160	9168921	dead cap	60 FT	5 LB	
12-Jul	798	309	3350	Instrument error/lost record	59 FT	SLB	
15-JUN	807	222	1907-1908		SS FT	2218	
4-Jun	812	139		Instrument error/lost record	60 FT	2.2 18	

MAR- 4-98 WED 2:32 PM LR SMITH 3204 011121310 FAX NO. 17018383 P. 1 02/16/98 18:16 **3**4C3 250 8444 GECO-PRAKLA CALG @1002 02/13/98 FRI 16:20 FAX 701 328 8022 ND INDUST CONH 013 GEOPHYSICAL EXPLORATION PERMIT INDUSTRIAL COMMISSION OF NORTH DAKOTA OO E BOULSUARD AVE BISMARCK, ND 59505 SFN 51429 (11-97) IT's. Company: (A SABSIDARY of SCHLUMS CAL MIDLAND TX TECH. CORP 9900 WEST INTERSTATE 20 GECO-PRAKLA 79706 Teleshone. \$403 250 - 7300 Contact: BOBMORGAN Fas: 4=3-250-8444 ¥ MARK O'BYRNE 561-8484 (9,5 1915 561 - 8495 Surely Company: Bond Amount: Bond 0,000.00 LIBERTY MUTUAL INS -0/)U 2) 8. Subcontractal(8); 316 -74 AB Add/ess: Tejaphone RIVERDENUN NORTH DICILINSONN.D. b Subcontactorist: AGGIESS: 10120-111 Ave SE Telephone TUMBLEWEED DHILLING 701 N.P. MINOT c. Subcontractor(s): RRHZ B0×2150 Address: ahona EXPLORATION DRILLING 406 SIDNEY MONT. Address: FAN WAY VE MOTH 3) Party Mareger. 385-33 LES PEKNIK KENMARE N.D. 587 4) Project Name or Line Numbers: SOURIS VALLEY 5) Exploration Method (Shot Hold, Non-Explosive, 20, 30); DYN AMITE 3D 6) Approximate Drilling Start Date: Approximate Completion Date: FEB 18, 19 HE COMMISSION MUST BE NOTIFIED AT LEAST 24 HOURS IN ADVANCE OF COMMENCEMENT OF DRILLIPLUG OPERATIONS 7) Location of Proposed Project - Courty WARD CO . D. 58 N Sec. Section(s), Township(s) & Range(s) Sec. SEEMAP 60 Sec FOR SPECIFICS Sec BI Size of Hote Amt. of Charge Death Shots per No. of MI. Identifying Marks Used on Nonmetallic Plug 411 Mi. (sq.mi.) 159. mL) b. Plugger 10 Geoshysical ID a. Plugger ID C. Plugger ID 125 DIAMETE 5276P 9) Anticipated spacial drilling and plugging procedures? NEED BUGGY MOUNT TOPDRIVE AUGER DRILS MAY 101 Enclose a pro-plot map with prepased location of seismic program lines and powdet mad ENCLOSEN Signed: Tale: Project Mana tions of Approval if any: Jau for State office used Conditionally approved 2-17-98 Approval Det

NORTH DAKOTA INDUSTRIAL COMMISSION



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

March 16 ,1998

Mark O'Byrne Geco-Prakla Schulmberger Tech. Corp. 9900 W. Interstate 20 Midland, TX 79706

RE: GEOPHYSICAL EXPLORATION PERMIT NO. 97-0031 Souris Valley 3D Ward & Mountrail Counties

Dear Mr. O'Byrne:

This letter will verify the approval of the above-captioned Geophysical Permit effective March 11, 1998.

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

<u>IL AND GAS DIVISIO</u>

Wesley D Norton DIRECTOR F.B.Wilborn ASSISTANT DIRECTOR

March 11, 1998

The Honorable Karen H. Eliason Mountrail County Auditor P.O. Box 69 Stanley, ND 58784

RE: Geophysical Exploration Permit #97-0031

Dear Ms. Eliason:

Pursuant to Section 38-08.1-04.2 of the North Dakota Century Code, please be advised that Geco-Prakla/Schlumberger was issued the above captioned permit on February 17, 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/th

<u>IL AND GAS DIVISIO</u>

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

March 11, 1998

The Honorable David Senger Ward County Auditor 315 3rd Street Southeast Minot, ND 58701

RE: Geophysical Exploration Permit #97-0031

Dear Mr. Senger:

Pursuant to Section 38-08.1-04.2 of the North Dakota Century Code, please be advised that Geco-Prakla/Schlumberger was issued the above captioned permit on February 17, 1998 and will remain in effect for a period of one year.

Should you have any questions, please contact our office.

Singerely.

David C. Hvinden Geophysical Regulation Supervisor

DCH/th