

BEFORE THE INDUSTRIAL COMMISSION

OF THE STATE OF NORTH DAKOTA

CASE NO. 2908  
ORDER NO. 3284

IN THE MATTER OF A HEARING CALLED ON A  
MOTION OF THE COMMISSION TO CONSIDER THE  
APPLICATION OF BWAB, INC. FOR AN ORDER  
PERMITTING THE DRILLING OF A WELL  
APPROXIMATELY 660 FEET FROM THE NORTH LINE,  
AND 660 FEET FROM THE WEST LINE OF SECTION  
6, T.139N., R.96W., STARK COUNTY, NORTH  
DAKOTA, AS AN EXCEPTION TO THE SPACING  
REQUIREMENTS OF THE BUFFER ZONE OF THE  
DICKINSON-HEATH POOL.

ORDER OF THE COMMISSION

BY THE COMMISSION:

Pursuant to legal notice this cause came on for hearing at 9:00 a.m.  
on the 23 day of August, 1983, in Dickinson, North Dakota, before an examiner  
appointed by the Industrial Commission of North Dakota, hereinafter referred  
to as the "Commission."

NOW, on this 29th day of August, 1983, the Commission, a quorum being  
present, having considered the testimony adduced and the exhibits received at  
said hearing, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the  
Commission has jurisdiction of this cause and the subject matter thereof.

(2) That applicant is the owner of an oil and gas leasehold estate in  
the NW of Section 6, Township 139 North, Range 96 West, Stark County,  
North Dakota.

(3) That said tract of land is within the buffer zone of the Dickinson  
Field, and forms a spacing unit for the Heath Pool, and the spacing for such  
pool established by the Commission requires wells to be located in the  
approximate center of the SW quarter-quarter sections.

(4) That applicant is desirous of drilling a Heath test well on said  
spacing unit located approximately 660 feet from the north line and 660 feet  
from the west line of said Section 6.

(5) That geological evidence presented to the Commission indicates  
that a well drilled at a proper location would result in a dry hole, or a  
non-commercial well and that a well drilled at the proposed location would  
produce oil that might otherwise not be produced.

(6) That due to the geological conditions, the proposed location is the  
most advantageous point to drill a test well on said spacing unit.

(7) That in order to prevent waste, and to protect correlative rights  
this application should be granted.

IT IS THEREFORE ORDERED:

(1) That applicant is hereby permitted to drill a well approximately 660 feet from the north line, and 660 feet from the west line of Section 6, Township 139 North, Range 96 West, Stark County, North Dakota, as an exception to the spacing requirements in the Dickinson-Heath Pool.

(2) That applicant shall apply for a permit to drill the above well as required in Section 43-02-03-16 of the North Dakota Administrative Code.

(3) That the well permitted in (1) above shall not produce more than its fair and equitable share of oil and/or gas in the reservoir.

(4) That this order shall remain in full force and effect until further order of the Commission.

Dated this 29th day of August, 1983.

INDUSTRIAL COMMISSION  
STATE OF NORTH DAKOTA

/s/ Allen I. Olson \_  
Allen I. Olson, Governor

---

Robert O. Wefald, Attorney General

/s/ Kent Jones \_  
Kent Jones, Commissioner of Agriculture

BWAB Incorporated Request for Exception Location  
Dickenson Field, Stark County, North Dakota

LIST OF EXHIBITS

EXHIBIT 1

Lease Status Map & Data-South Central Dickenson Field

EXHIBIT 2

Well Status & Data-South Central Dickenson Field

EXHIBIT 3

Well Location and Spacing Outlines-Dickenson Field Area

EXHIBIT 4

Tyler Stratigraphic Cross-South Central Dickenson Field

EXHIBIT 5

Net Tyler Sand Isopach-South Central Dickenson Field

EXHIBIT 6

Structure Map-Dickenson Field

140-97

139-97

140-96

139-96

				HBP NOTE #5	HBP NOTE #6				
		36			31		32		
		NOTE #7		HBP The Superior Oil Co. 50% Continental Oil Co. 50%		HBP NOTE #9			
		HBP NOTE #8		HBP Unitex Ltd. 50% Shell 50%	HBP Surface to 7960': Unitex Ltd. 100% Below 7960': Shell 100%		HBP Pure Oil Co.		
		Shell 4-6-84 4-21-84		Unitex Ltd. exp. 2-20-84 3-12-86					
				Coastal Oil & Gas 75% Canterra Petroleum 25% exp. 12-31-85					
				OPEN					
				Burlington Northern					

Stark County, ND

BWAB - Lupine Prospect

## EXHIBIT

1

INDUSTRIAL COMMISSION  
STATE OF NORTH DAKOTA

Date 8-23-83 Case No. 2908

Introduced by BWAB

Exhibit 1

Identified by Porter

## BWAB INCORPORATED

LEASE STATUS MAP  
& DATA SOUTH CENTRAL  
DICKENSON FIELD

8-18-83

## Map Leasehold Status Notes

### Note #1

Southport Exploration Inc.	37.5%
Mobil Oil Corp.	37.5%
Ocelot Oil Corp.	25%
exp. 9-11-85	

### Note #2

Southport Exploration Inc.	37.5%
Mobil Oil Corp.	37.5%
Ocelot Oil Corp.	25%
exp. 8-27-85	

### Note #3

Southport Exploration Inc.	100%
exp. 1-5-86	

### Note #4

Coastal Oil & Gas	75%
Canterra Petroleum	25%

(covers 75% of Burlington Northern's interest;  
25% of the interest is unleased. Notice of  
oil and gas lease based on side letter agreement,  
no expiration date shown of record.)

### Note #5 HBP

- (1) From surface to 8070': Phillips Petr. 100%  
Below 8070': Placid Oil Co. 67.2857%  
Placid International Oil, Ltd. 35.71428%
- (2) From surface to 7965': Continental Oil Co. 50%  
Phillips Petroleum 50%  
Below 7965': Louis W. Hill, Jr. 50%  
Continental Oil 37.5%  
Phillips Petr. 12.5%
- (3) Continental Oil Co. 100%
- (4) Phillips Petroleum 100%

Note #6      HBP

- (1) From surface to 8070': Phillips Petroleum 100%  
Below 8070': Placid Oil Co. 67.2857%  
Placid International Oil, Ltd. 35.71428%
- (2) Louis W. Hill, Jr. 50%  
Continental Oil Co. 37.5%  
Phillips Petroleum 12.5%
- (3) Continental Oil Co. 100%
- (4) Continental Oil Co. 76.5625%  
Phillips Petroleum 12.5%  
Louis W. Hill, Jr. 10.9375%

Note #7      HBP

- (1) Continental Oil Co. 36.2586%  
Shell Oil 36.2586%  
Phillips Petroleum 12.0862%  
Louis W. Hill, Jr. 12.0861%  
Felmont Oil Corp. 3.125%
- (2) Louis W. Hill, Jr. 51.25%  
Continental Oil Co. 41.25%  
Phillips Petroleum 7.5%

Note #8      HBP

- From surface to Heath-Sand Unit depth:  
Continental Oil Co. 69.15625%  
Shell Oil 23.22692%  
Louis W. Hill, Jr. 6.103%  
Felmont Oil Corp. 1.51383%
- Below Heath-Sand Unit depth: David Sorenson 100%

Note #9      HBP

- (1) Louis W. Hill, Jr. 50%  
Phillips Petroleum 37.5%  
Continental Oil Co. 12.5%
- (2) Phillips Petroleum 59.375%  
Felmont Oil Corp. 25%  
North American Royalties 7.8125%  
Louis W. Hill, Jr. 7.8125%

Shell Oil Company  
P.O. Box 831  
Houston, Texas 77001

Phillips Petroleum Company  
7800 E Dorado Pl.,  
Greenwood Plaza  
Englewood, Colorado 80111

Unitex Ltd.  
4304 Evergreen Lane, #204  
Annandale, Virginia 22003

Placid Oil Company  
3900 Thanksgiving Tower  
Dallas, Texas 75201

Pure Oil Company  
1700 Broadway  
Denver, Colorado

Louis W. Hill, Jr.  
West 2052 First National Bank Bldg.,  
Saint Paul, Minnesota 55101

Southport Exploration, Inc.  
124 East 4th Street  
Tulsa, Oklahoma 74103

North American Royalties, Inc.  
200 East 8th Street  
Chattanooga, Tn. 37402

Ocelot Oil Corporation  
1660 Linclon Street  
Denver, Colorado 80264

Mobil Oil Corporation  
P.O. Box 5444  
Denver, Colorado 80217

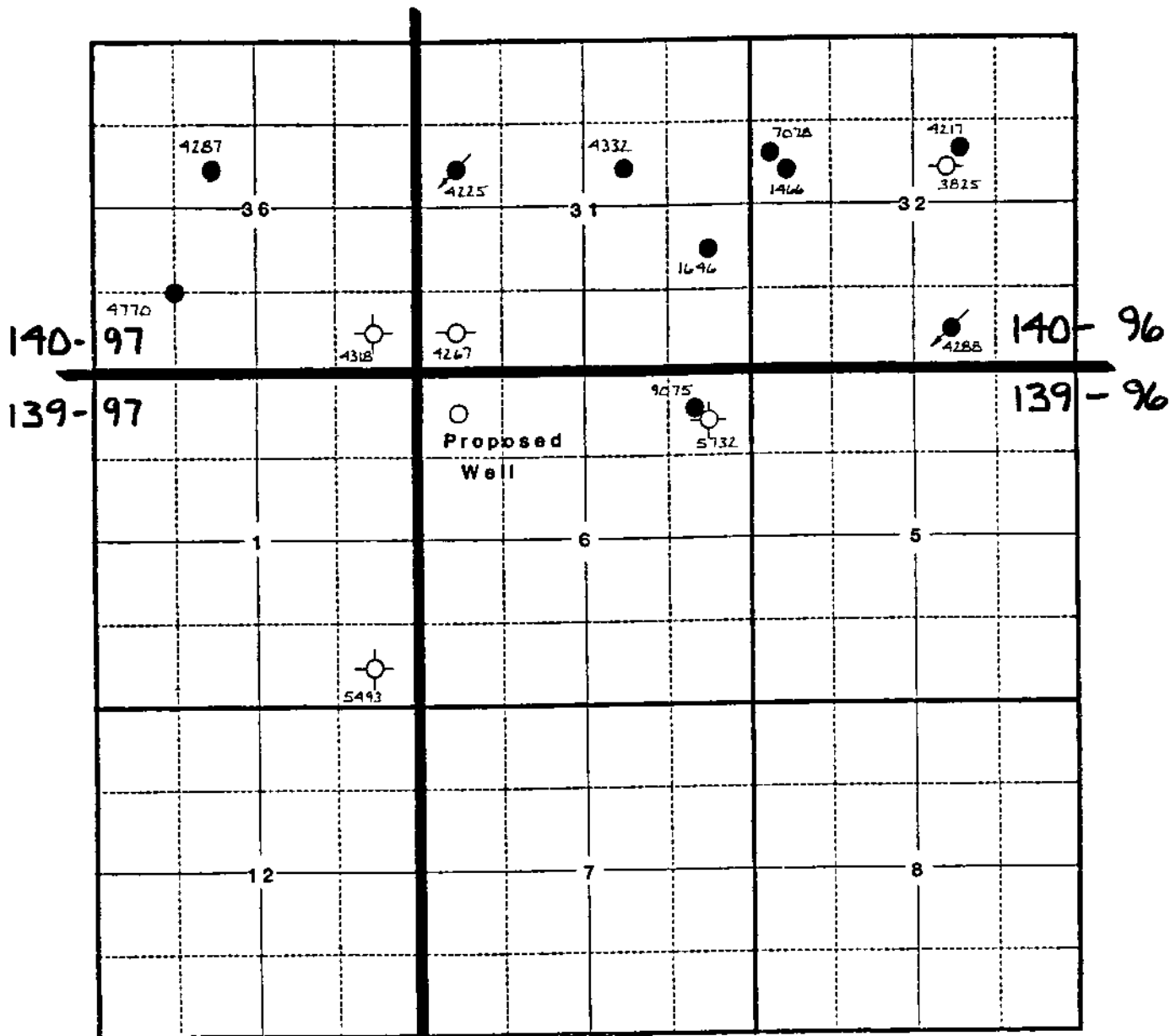
The Superior Oil Company  
First National Bank Bldg.,  
Denver, Colorado

Canterra Petroleum, Inc.  
Suite 950, 410-17th Street  
Denver, Colorado 80202

Coastal Oil & Gas Corporation  
The Coastal Tower  
Nine Greenway Plaza  
Houston, Texas 77046

Continental Oil Co. (Now Conoco Inc.)  
5 Greenway Plaza East  
Box 2197  
Houston, Texas 77252

Felmont Oil Corporation  
Box 1855  
Midland, Texas 89701



Stark County, ND

BWAB - Lupine Prospect

INDUSTRIAL COMMISSION  
STATE OF NORTH DAKOTA  
Date 8-23-83 Case No. 2908 **EXHIBIT**  
Introduced by BWAB  
Exhibit 2  
Identified by Porter

(2)

**BWAB INCORPORATED**

WELL STATUS & DATA  
SOUTH CENTRAL  
DICKENSON FIELD

8-18-83



Well File # 1466

Conoco, Inc.  
Dickinson-Heath Sand Unit #33  
140-96; 32: SW $\frac{1}{4}$ NW $\frac{1}{4}$   
application: 6-10-57  
well completed: 9-22-57  
total depth: 9100'  
status: producer

Permit # 1478

Note: There is a notice to abandon well, dated 2-11-80  
in the file. Nothing since that date.

Well File # 1646

Continental Oil Co.  
Dickinson Heath Unit Well #37  
140-96; 31: NE $\frac{1}{4}$ SE $\frac{1}{4}$   
application: 11-12-57  
well completed: 2-26-58  
total depth: 8970'  
status: producer

Permit # 1658

Well File # 3825

Continental Oil Co.  
A. Filipi #2  
140-96; 32: SW $\frac{1}{4}$ NE $\frac{1}{4}$   
application: 2-18-65  
well completed: never drilled

Permit # 3837

Well File # 4217

Continental Oil Co.  
Dickinson-Heath Unit Well #34  
140-96; 32: SW $\frac{1}{4}$ NE $\frac{1}{4}$   
application: 1-3-67  
well completed: 3-14-67  
total depth: 8030'  
status: Salt Water Disposal

Permit # 4229

Well File # 4225

Continental Oil Co.  
Dickinson-Heath Unit Well # 31  
140-96; 31: SW $\frac{1}{4}$ NW $\frac{1}{4}$   
application: 1-12-67  
well completed: 2-18-67  
total depth: 8020'  
status: producer

Permit # 4237

Well File # 4267

Superior Oil Co.  
Kadmas #2  
140-96; 31: SW $\frac{1}{4}$ SW $\frac{1}{4}$   
application: 5-1-67  
permit cancelled

Permit # 4279

Well File # 4287

Continental Oil Co.  
Dickinson-Heath Unit Well # 30  
140-97; 36: SE $\frac{1}{4}$ NW $\frac{1}{4}$   
application: 6-13-67  
well completed: 7-18-67  
total depth: 8030'  
status: producer

Permit # 4299

Well File # 4288

Continental Oil Co.  
Dickinson-Heath Unit Well # 36  
140-96; 32: SW $\frac{1}{4}$ SE $\frac{1}{4}$   
application: 6-19-67  
well completed: 9-22-67  
total depth: 8009'  
status: producer converted to water injection

Well File # 4318

Continental Oil Co.  
Kadmas-State #1  
140-97; 36: SE $\frac{1}{4}$ SE $\frac{1}{4}$   
application: 8-21-67  
total depth: 7890'  
plugged and abandoned: 9-11-67

Permit # 4330

Well File #4332

Continental Oil Co.  
Dickinson-Heath Unit Well #32  
140-96; 31: SW $\frac{1}{4}$ NE $\frac{1}{4}$   
application: 9-15-67  
well completed: 10-26-67  
total depth: 7925'  
status: producer

Permit # 4344

Well File # 4770

Continental Oil Co.  
Dickinson-Heath Unit Well # 38  
140-97; 36: center of SW $\frac{1}{4}$   
application: 9-3-69  
well completed: 10-12-69  
total depth: 7998'  
status: producer

Permit # 4782

Well File # 5493

Tesoro Petroleum Corp.  
Kubishta #1  
139-97; 1: SE $\frac{1}{4}$ SE $\frac{1}{4}$   
application: 8-9-74  
total depth: 8955'  
plugged and abandoned: 9-29-74

Permit #5505

Well File # 5732

Enserch Exploration, Inc.  
Walton #1  
139-96; 6: NE $\frac{1}{4}$ NE $\frac{1}{4}$   
application: 9-15-75  
total depth: 7925'  
plugged and abandoned: 5-8-76

Permit #5744

Well File # 7078

Continental Oil Co.  
Dickinson-Heath Sand Unit Well #62  
140-96; 32: SW $\frac{1}{4}$ NW $\frac{1}{4}$   
application: 6-14-79  
well completed: 10-1-79  
total depth: 8000'  
status: producer

Permit # 7078

Well File # 9075

Unitex, Ltd.  
Walton #6-1  
139-96; 6: NE $\frac{1}{4}$ NE $\frac{1}{4}$   
application: 8-14-81  
well completed: 11-20-81  
total depth: 7860'  
status: producer

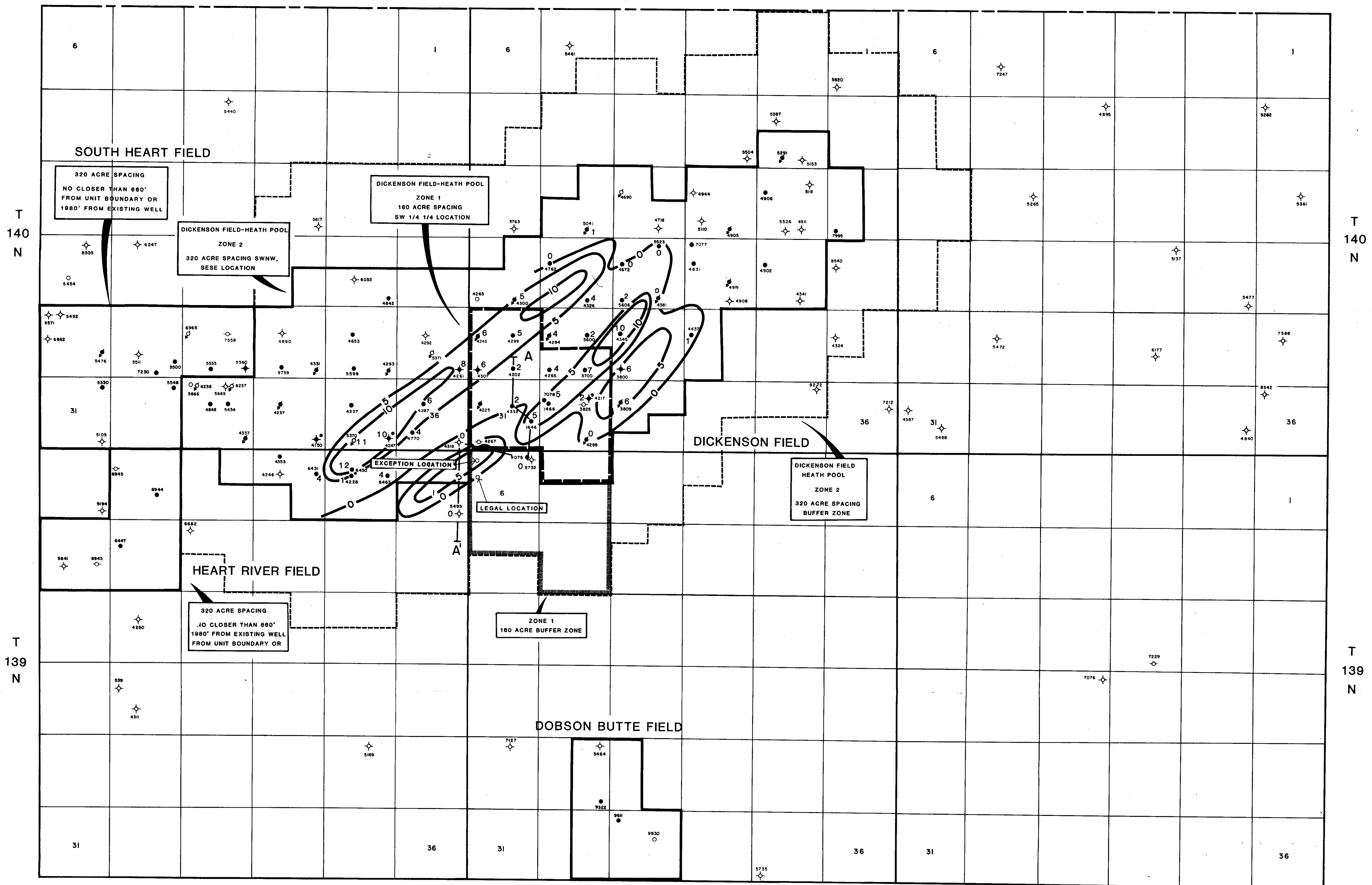
Permit # 9075

## FIELD MAP NO. G-4

R 97 W

R 96 W

R 95 W



NOTE - NO ACTIVE LOCATIONS PERMITTED OR DRILLING  
IN THE NINE SECTIONS SURROUNDING THE NWNW  
SECTION 6, T 139 N, R 96 W LOCATION AS OF 8-1-83

LEGEND - NET ISOPACH MAP OF TYLER "C" SAND  
WITH LESS THAN 36 GAMMA RAY UNITS

**BWAB INCORPORATED**

NORTH DAKOTA GEOLOGICAL SURVEY  
FIELD MAP NO. G-4

EXHIBIT FOR NWNW SEC. 6, T139N, R96W  
EXCEPTION LOCATION

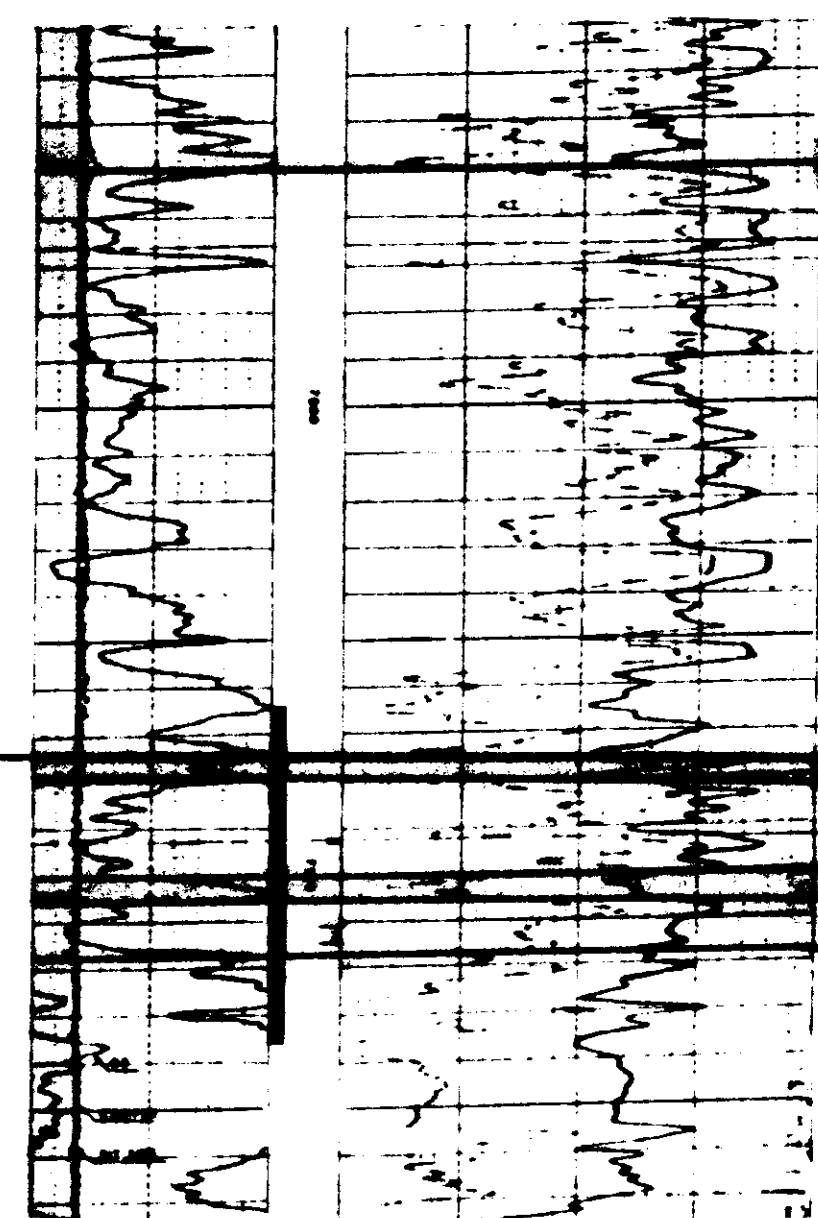
8-18-83

**EXHIBIT**

⑤

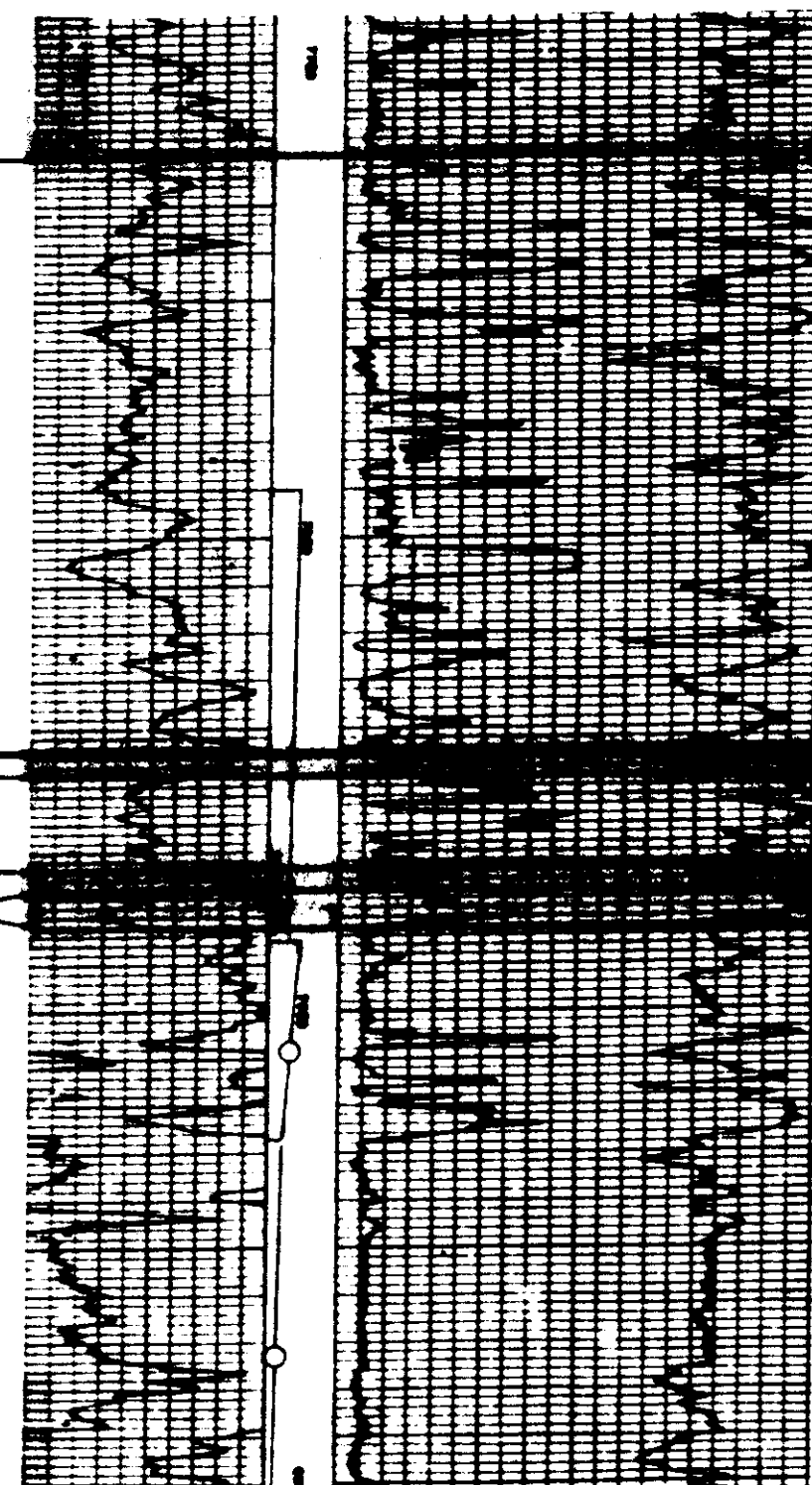
NET TYLER SAND ISOPACH

CONTINENTAL OIL  
1X Ridi  
SW NE Sec. 30-T140N-R96W



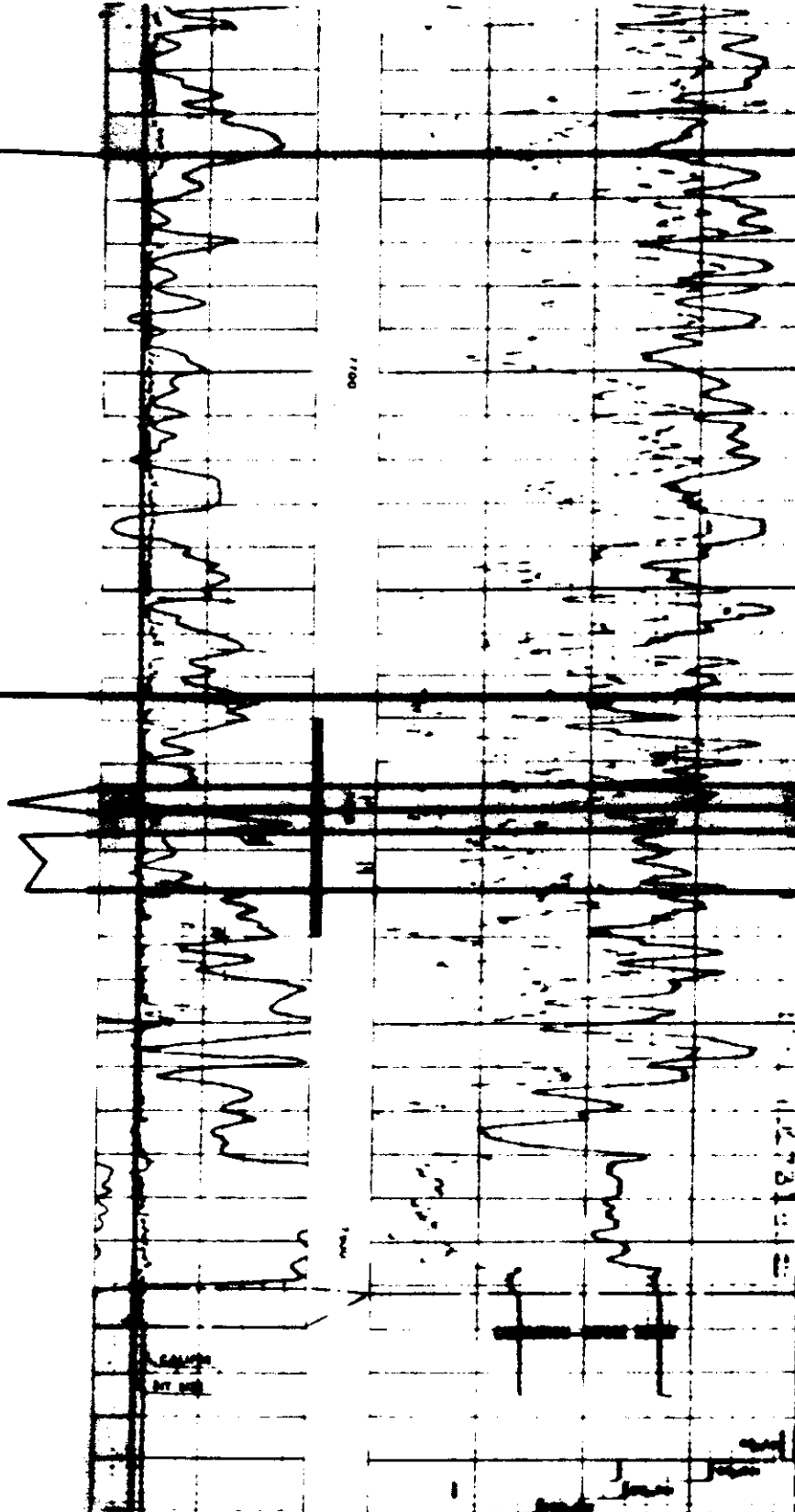
PERF: 7891-92, 7911-15  
INT. PROD.: IPP 593 BO, 1 BWPD  
DST: 5640-5750, REC 360 MUD, 450 MUDDY WTR, 4190  
SALTY WTR, FP 1934-2217#, SIP 2217-2217#, HP  
3096-3066#

CARDINAL PET. ET. AL.  
1 Ridi-FLB  
SW SE Sec. 30-T140N-R96W



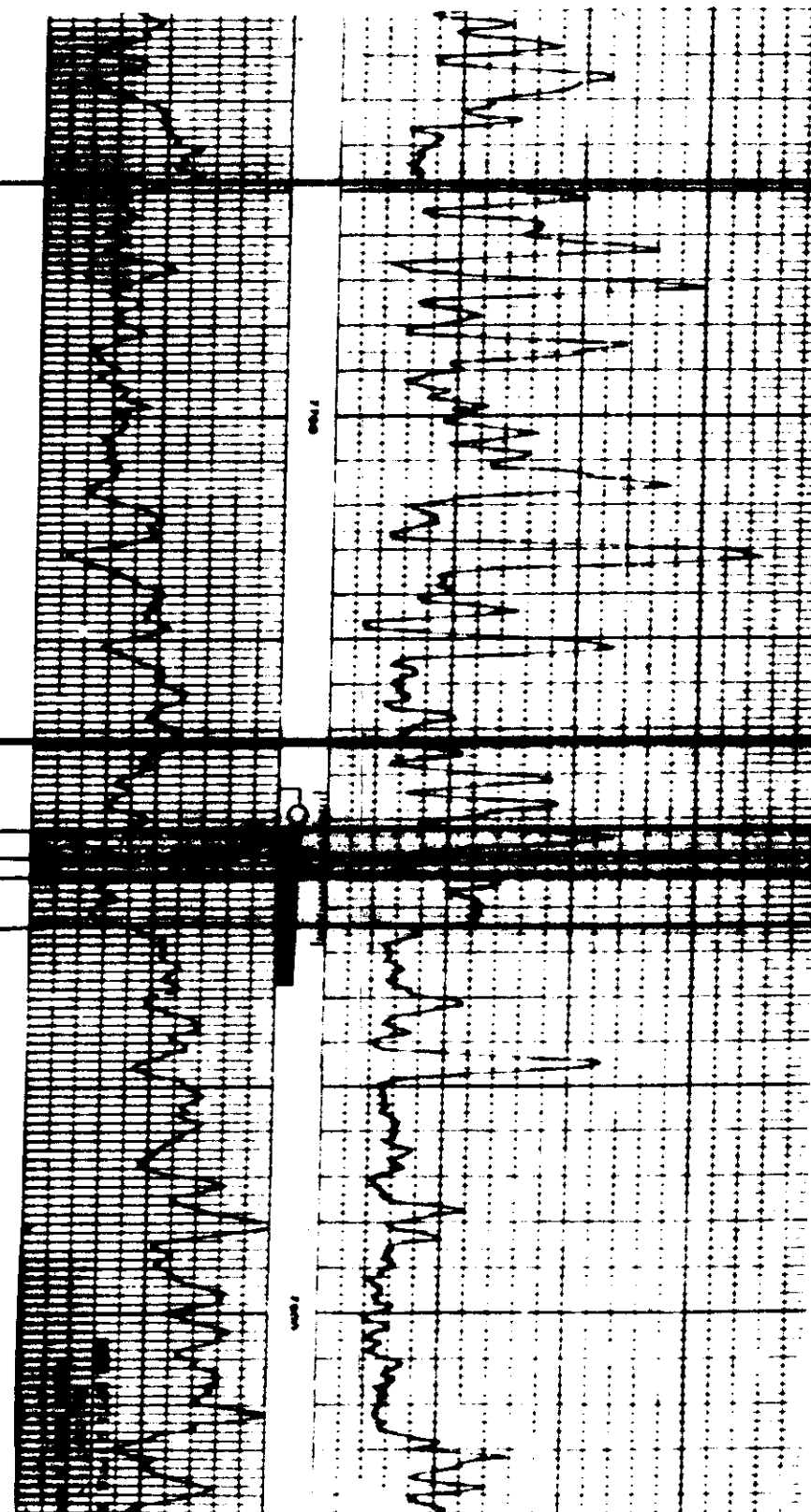
PERF: 7878-82 w/2 PF, ACIDIZED. SWBD 10 BFPH  
(95% OIL, 5% BS&W), 18 HRS.  
INT. PROD.: IPP 140-BO, 1.4 BWPD.  
DST: 1. 7885-7927, SI 15 MINS, OP 1 HR, 12  
MINS, SI 15 MINS, REC 90 MUD, FP 22-67#,  
SIP 152-81#, HP 4304-4202#.  
2. 7790-8057, OP 2 HRS, SI 30 MIN, REC 45 HG&SOOM,  
720 HG&SOOM, 20 OIL, GAS & MUD, 10 OIL, FP 87-  
372#, SIP 2566-2477#, HP 4538-4257#.

CONTINENTAL OIL  
1 Frenzel-FLB  
SW NE Sec. 31-T140N-R96W



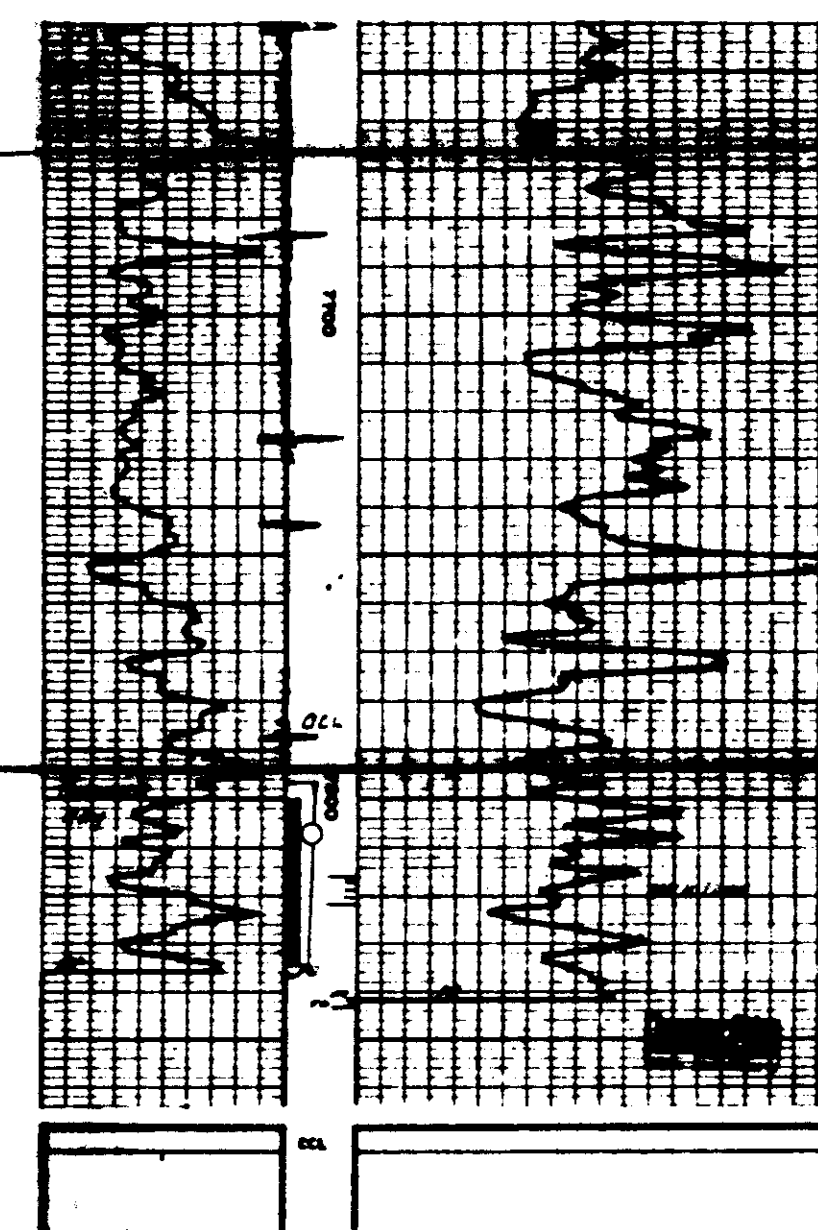
PERF: 7798-7800, 7813-15 w/4 PF, ACIDIZED,  
SDWTRFRACT.  
INT. PROD.: 380 BOPD

ATLANTIC REFINING  
1 J. J. Kadrmas, Jr.  
C NE SE Sec. 31-T140N-R96W



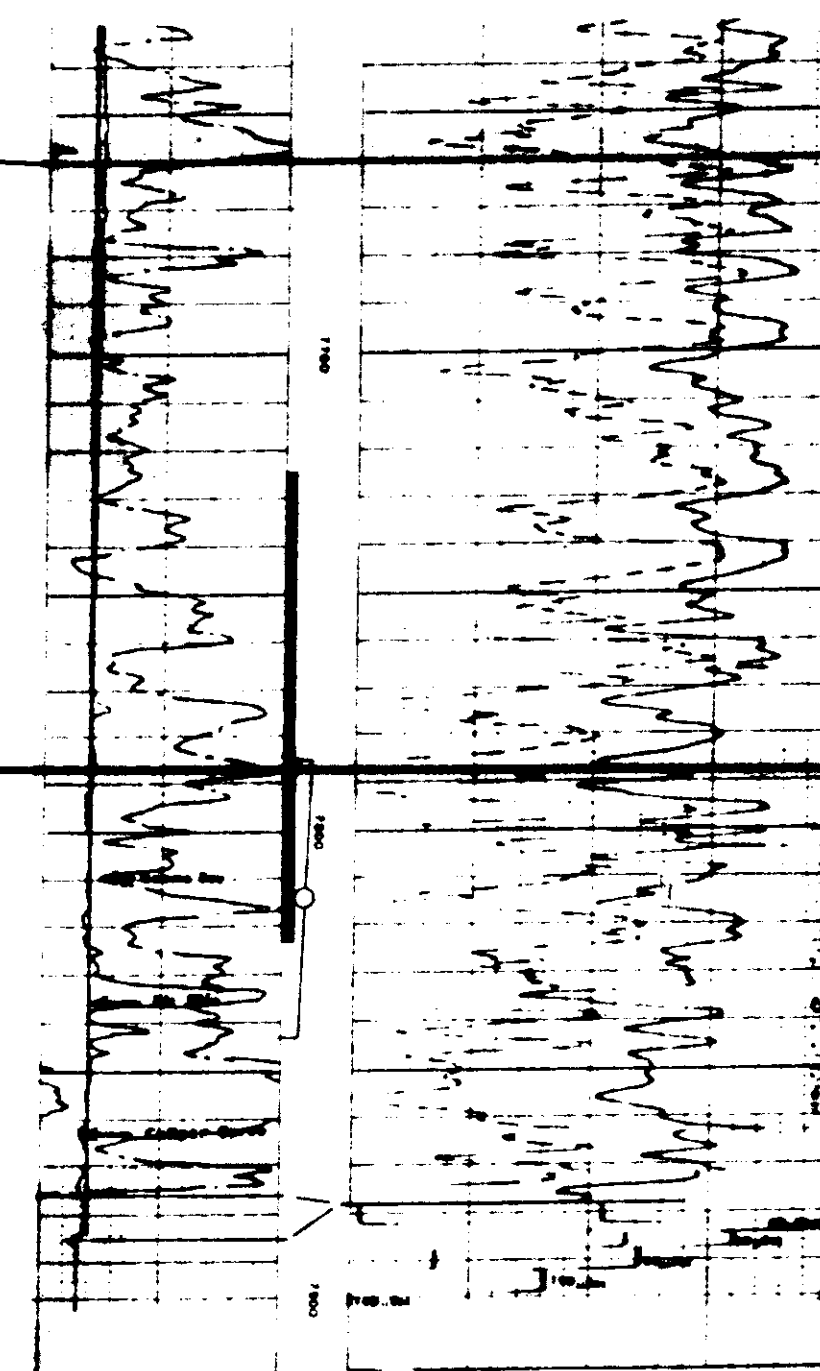
PERF: 7784-7818, SWBD SALT WTR; SQUEEZED. PERF  
7786-7816, SWBD MUD & OIL, REPAIRED TBG LEAK;  
SD FRACT.  
INT. PROD.: IPP 300 BOPD.  
DST: 1. 7783-7827, 2 HRS 18 MIN, GAS IN 1 HR 45 MIN,  
REVERSED OUT 3080 OIL, NO WTR, FP 135-1280#,  
SIP (40 MIN) 3390-3190#, HP 4340-4280#

PROPOSED  
EXCEPTION  
LOCATION NE NE Sec. 6-T139N-R96W



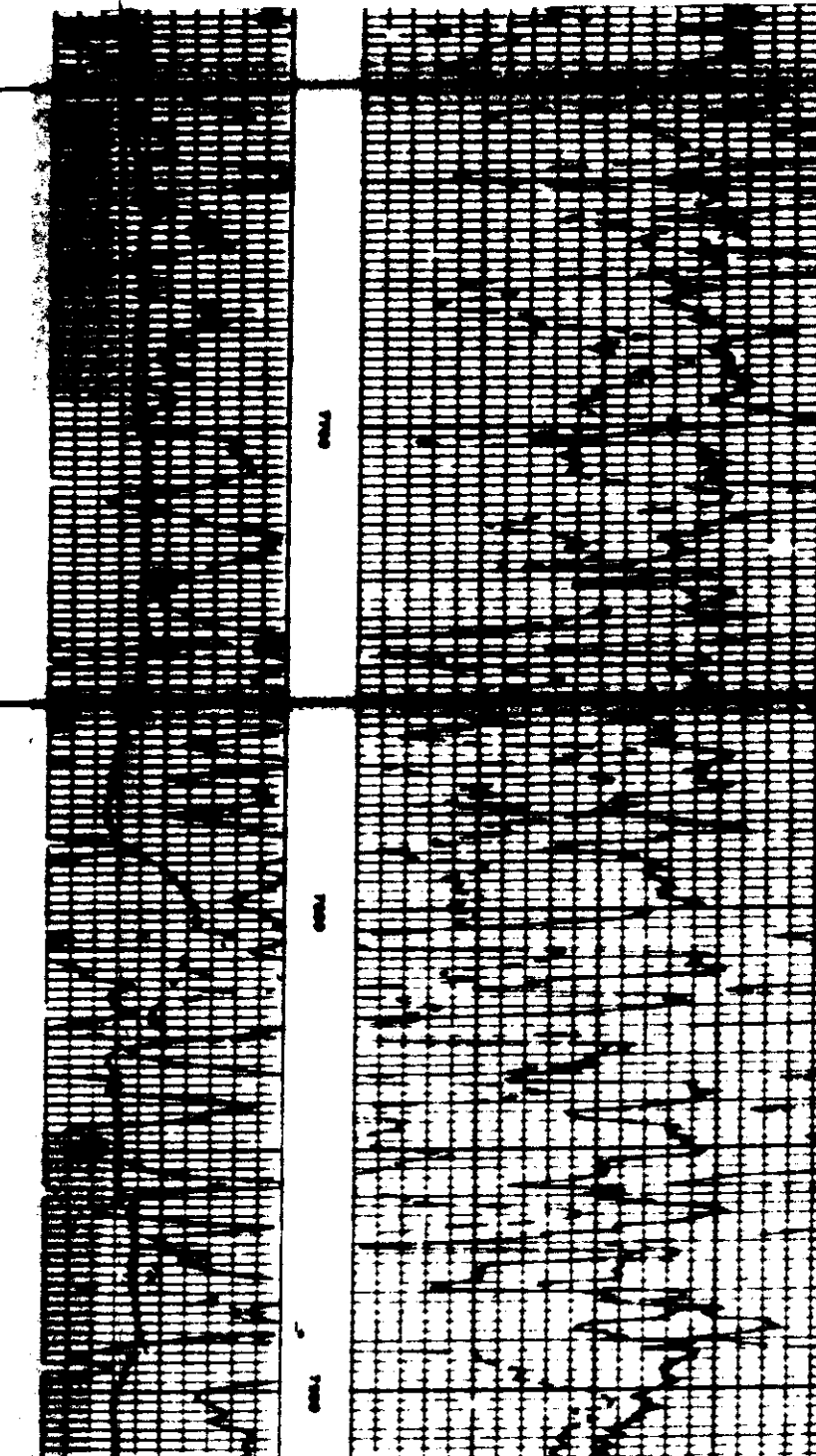
PERF: 7816-20, 7825-32, ACIDIZED w/1000 GAL.  
INT. PROD.: 2 BOPD  
11 BWPD  
DST: 7797-7835, OP 16, SI 30, OP 60, SI 120, REC.  
375' 60%80 FP 56-112, 117-232, SIP 1423-1437

CONTINENTAL OIL  
1 Kedrmas-State  
SE SE Sec. 6-T140N-R97W



INT. PROD.: D&A  
DST: 7784-7813, SI 30 MINS, OPEN 1 HR, SI 90 MIN,  
REC 40 MUD, FP 38-38#, SIP 587-140#, HP 4343-4343#

TESORO PET.  
1 Kubishta  
SE SE Sec. 1-T139N-R97W



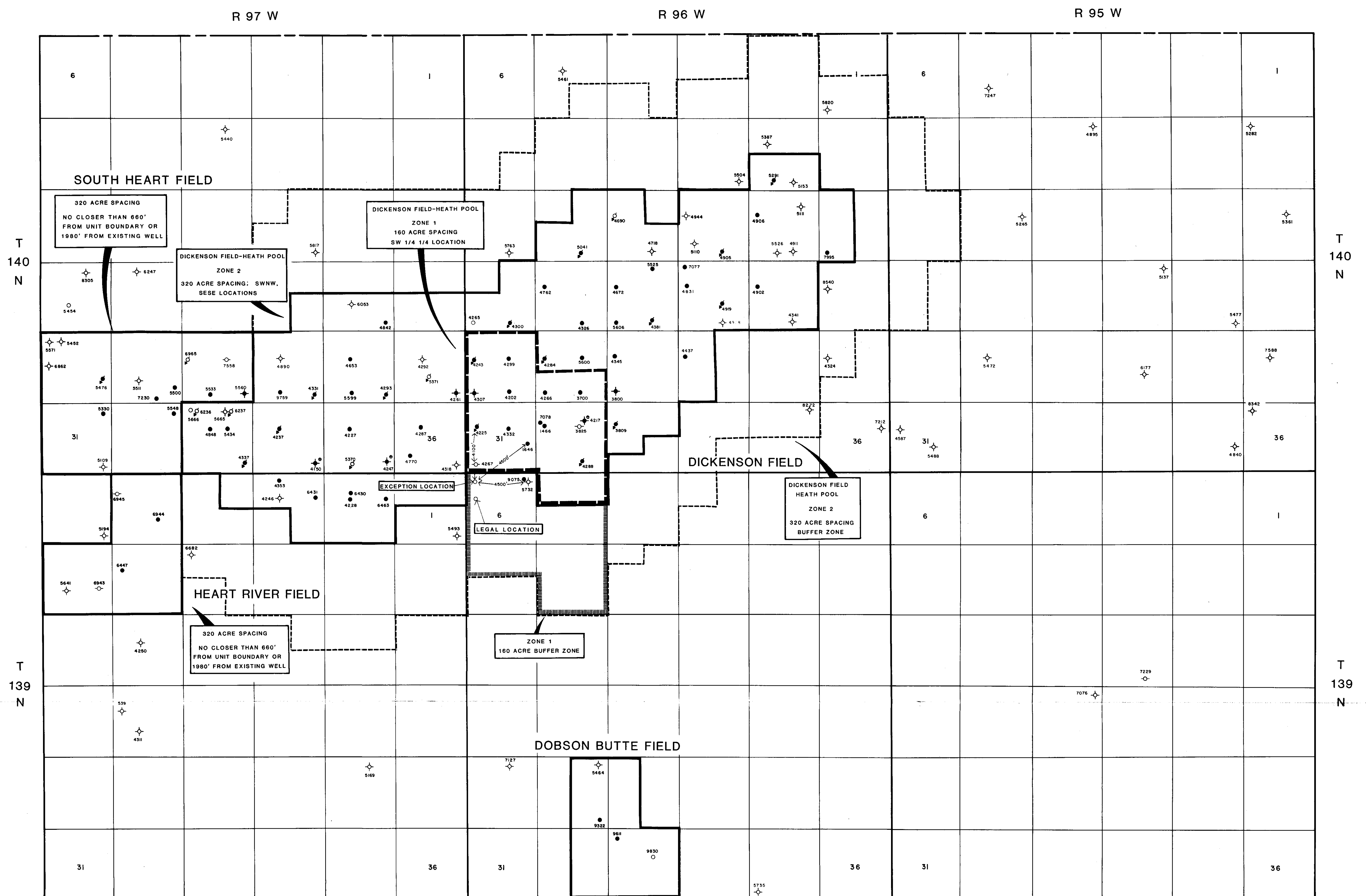
INT. PROD.: D&A

LEGEND  
POROUS SAND  
DST  
PERFORATION  
CORE

EXHIBIT  
4

BWAB INCORPORATED  
TYLER STRATAGRAPHIC  
CROSS SECTION

# FIELD MAP NO. G-4



NOTE - NO ACTIVE LOCATIONS PERMITTED OR DRILLING  
IN THE NINE SECTIONS SURROUNDING THE NWNW  
SECTION 6, T 139 N, R 96 W LOCATION AS OF 8-1-83

EXHIBIT

③

WELL LOCATION &  
SPACING OUTLINES

**BWAB INCORPORATED**

NORTH DAKOTA GEOLOGICAL SURVEY  
FIELD MAP NO. G-4

EXHIBIT FOR NWNW SEC. 6, T139N, R 96 W  
EXCEPTION LOCATION

8-18-83



# FIELD MAP NO. G-4

R 97 W

R 96 W

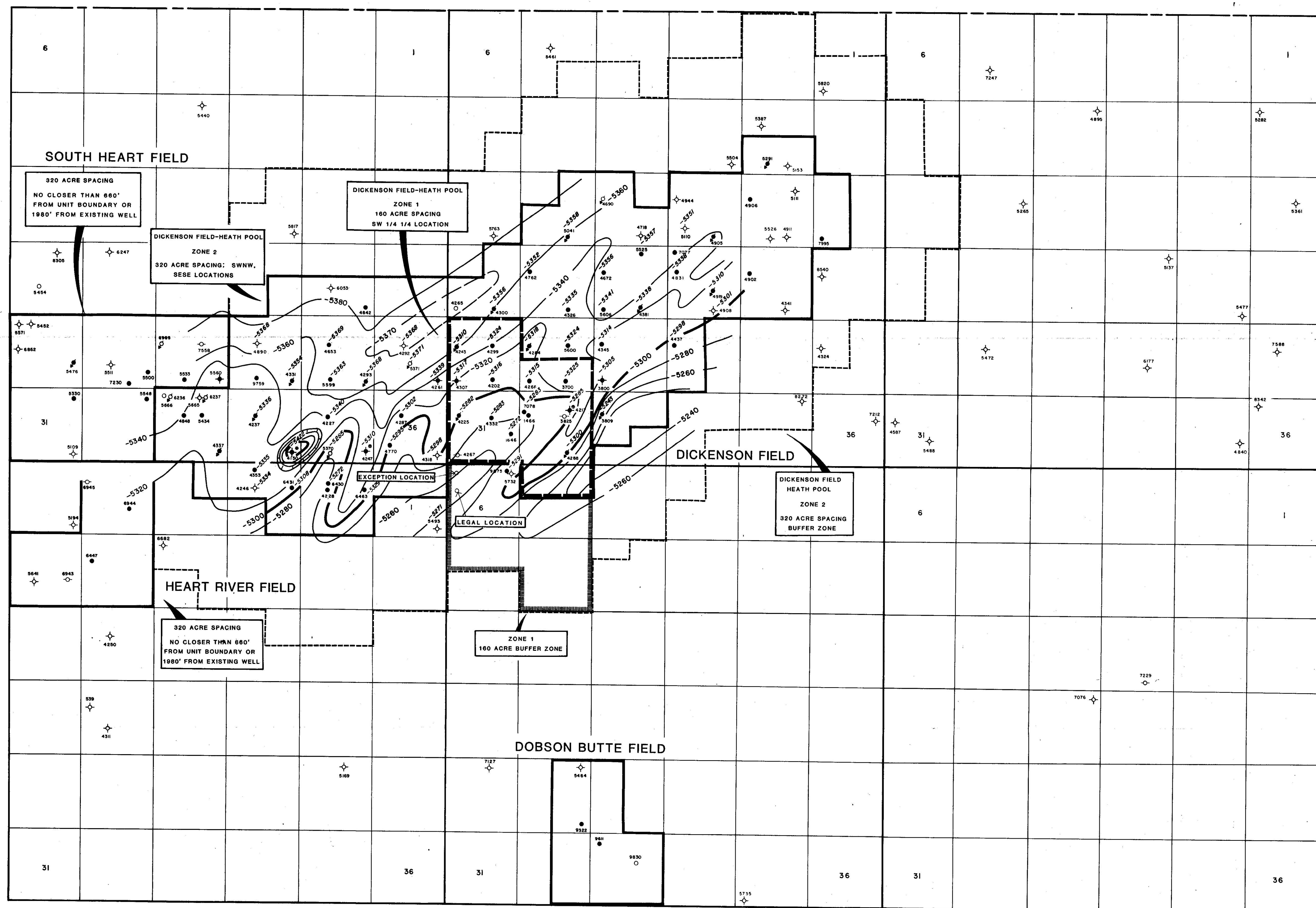
R 95 W

T 140 N

T 140 N

T 139 N

T 139 N



NOTE - NO ACTIVE LOCATIONS PERMITTED OR DRILLING  
IN THE NINE SECTIONS SURROUNDING THE NWNW  
SECTION 6, T 139 N, R 96 W LOCATION AS OF 8-1-83

EXHIBIT

6

STRUCTURE MAP  
DICKENSON FIELD

**BWAB INCORPORATED**

NORTH DAKOTA GEOLOGICAL SURVEY  
FIELD MAP NO. G-4

EXHIBIT FOR NWNW SEC. 6, T139N, R 96 W  
EXCEPTION LOCATION

8-18-83

BEFORE THE INDUSTRIAL COMMISSION  
OF THE STATE OF NORTH DAKOTA

IN THE MATTER OF THE APPLICATION )  
OF BWAB INCORPORATED FOR AN ORDER )  
TO PERMIT THE DRILLING OF A WELL )  
APPROXIMATELY 660 FEET FROM THE )  
NORTH LINE AND 660 FEET FROM THE )  
WEST LINE OF SECTION 6, TOWNSHIP )  
139 NORTH, RANGE 96 WEST, STARK )  
COUNTY, NORTH DAKOTA, AS AN )  
EXCEPTION TO THE SPACING REQUIRE- )  
MENTS OF THE BUFFER ZONE OF THE )  
DICKINSON FIELD - HEATH POOL. )

A P P L I C A T I O N

COMES NOW the applicant, BWAB Incorporated, and respectfully alleges:

1. That it is the owner of an interest in the oil and gas leasehold estate in the NW $\frac{1}{4}$  of Section 6, Township 139 North, Range 96 West, Stark County, North Dakota.
2. That applicant is desirous of drilling a well at a location 660 feet from the North Line and 660 feet from the West Line of Section 6, Township 139 North, range 96 West, Stark County, North Dakota, which location constitutes an exception to the spacing requirements of the Buffer Zone of the Dickinson Field - Heath Pool.
3. That such location constitutes an exception to applicable spacing requirements.
4. That said well cannot be drilled at the prescribed location due to the fact that a well drilled at a prescribed location would in all probability not be productive of oil or gas in commercial quantities, whereas a well drilled at the proposed



exception location is more apt to be productive of oil or gas in commercial quantities.

5. That the drilling of said well at the proposed exception location is necessary to protect correlative rights and prevent waste.

6. That said lessees or owners have been served a copy of this application by certified mail as evidenced by the attached Certificate of Service.

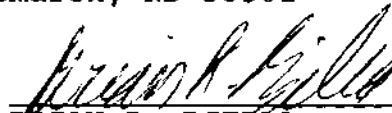
WHEREFORE, applicant requests that the matter be set for hearing and that thereafter the Commission issue its order permitting the drilling of said well as above requested.

Dated this 2nd day of August, 1983.

BWAB INCORPORATED

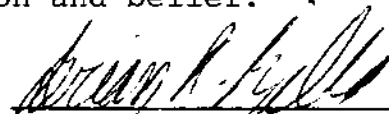
FLECK, MATHER, STRUTZ & MAYER, LTD.  
Attorneys for the Applicant  
600 Norwest Building  
P.O. Box 2798  
Bismarck, ND 58502

BY

  
BRIAN R. BJELLA

STATE OF NORTH DAKOTA )  
                                  ) ss.  
COUNTY OF BURLEIGH     )

Brian R. Bjella, being first duly sworn on oath, deposes and says that he is the attorney for the applicant herein named, that he has read the above and foregoing application, knows the contents thereof, and that the same is true to the best of this affiant's knowledge, information and belief.

  
BRIAN R. BJELLA

Subscribed and sworn to before me this 2nd day of August,  
1983.

( S E A L )

Kris Jennings  
Kris Jennings, Notary Public  
Burleigh County, North Dakota  
My Commission Expires:

CERTIFICATE OF SERVICE

I certify that a copy of the application was mailed on the 2nd day of August, 1983, by certified mail, to the following persons:

Superior Oil Company  
800 Lincoln Tower Building  
1860 Lincoln Street  
Denver, CO 80203

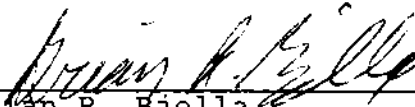
Shell Oil Company  
Two Shell Plaza  
P.O. Box 576  
Houston, TX 77001

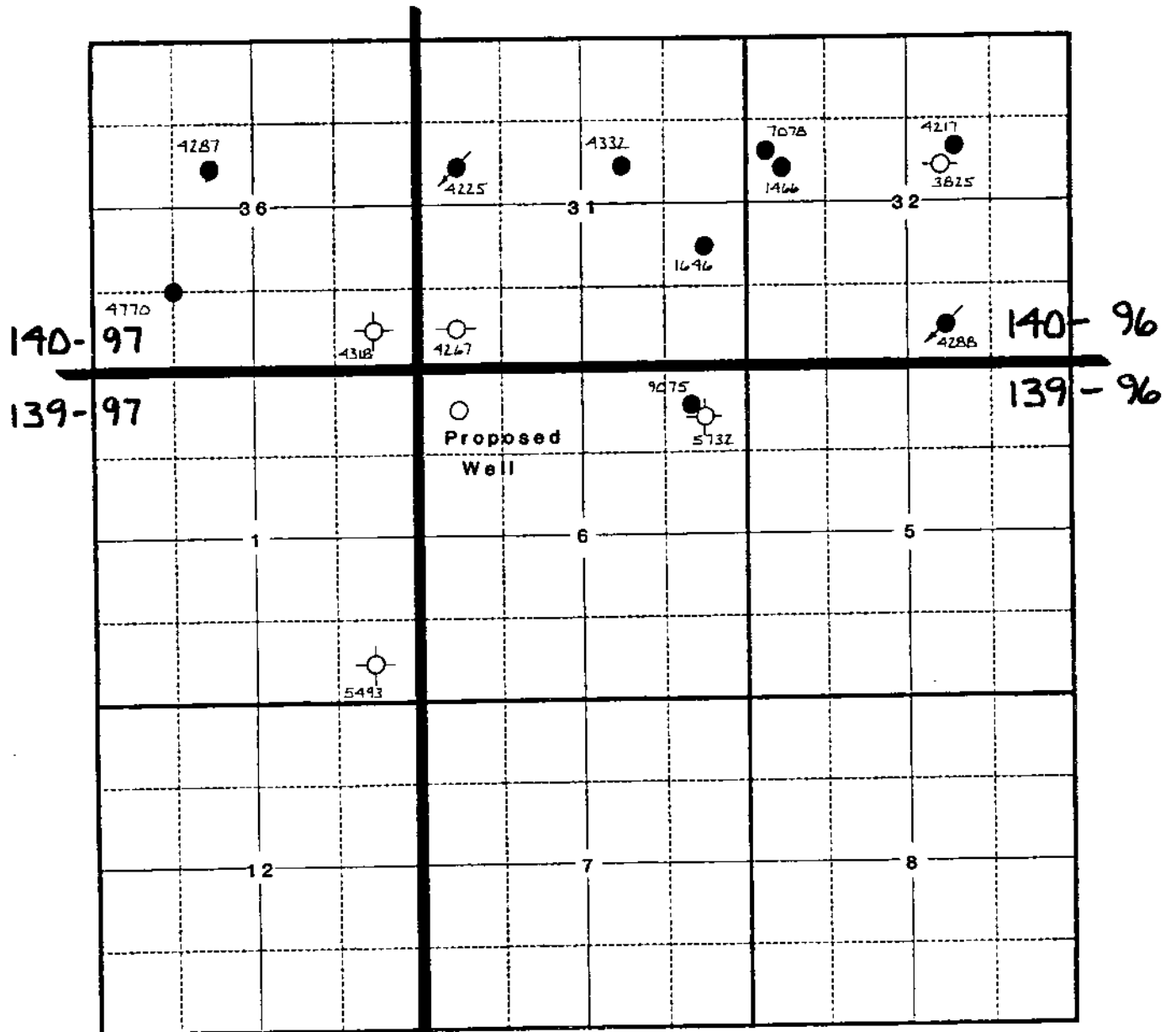
Conoco, Inc.  
(Formerly Continental Oil Company)  
5 Greenway Plaza East  
P.O. Box 2197  
Houston, TX 77001

Unitex, Ltd.  
7023 Little River Turnpike  
Suite 200  
Annandale, VA 22003

Louis W. Hill, Jr.  
West 2052 First National Bank Building  
Saint Paul, MN 55101

Felmont Oil Corporation  
P.O. Box 1855  
Midland, TX 89701

  
\_\_\_\_\_  
Brian R. Bjella



Stark County, ND

BWAB - Lupine Prospect

Case #

Well File # 1466                      Conoco, Inc.                      Permit # 1478  
Dickinson-Heath Sand Unit #33  
140-96; 32: SW $\frac{1}{4}$ NW $\frac{1}{4}$   
application: 6-10-57  
well completed: 9-22-57  
total depth: 9100'  
status: producer

Note: There is a notice to abandon well, dated 2-11-80  
in the file. Nothing since that date.

Well File # 1646                      Continental Oil Co.                      Permit # 1658  
Dickinson Heath Unit Well #37  
140-96; 31: NE $\frac{1}{4}$ SE $\frac{1}{4}$   
application: 11-12-57  
well completed: 2-26-58  
total depth: 8970'  
status: producer

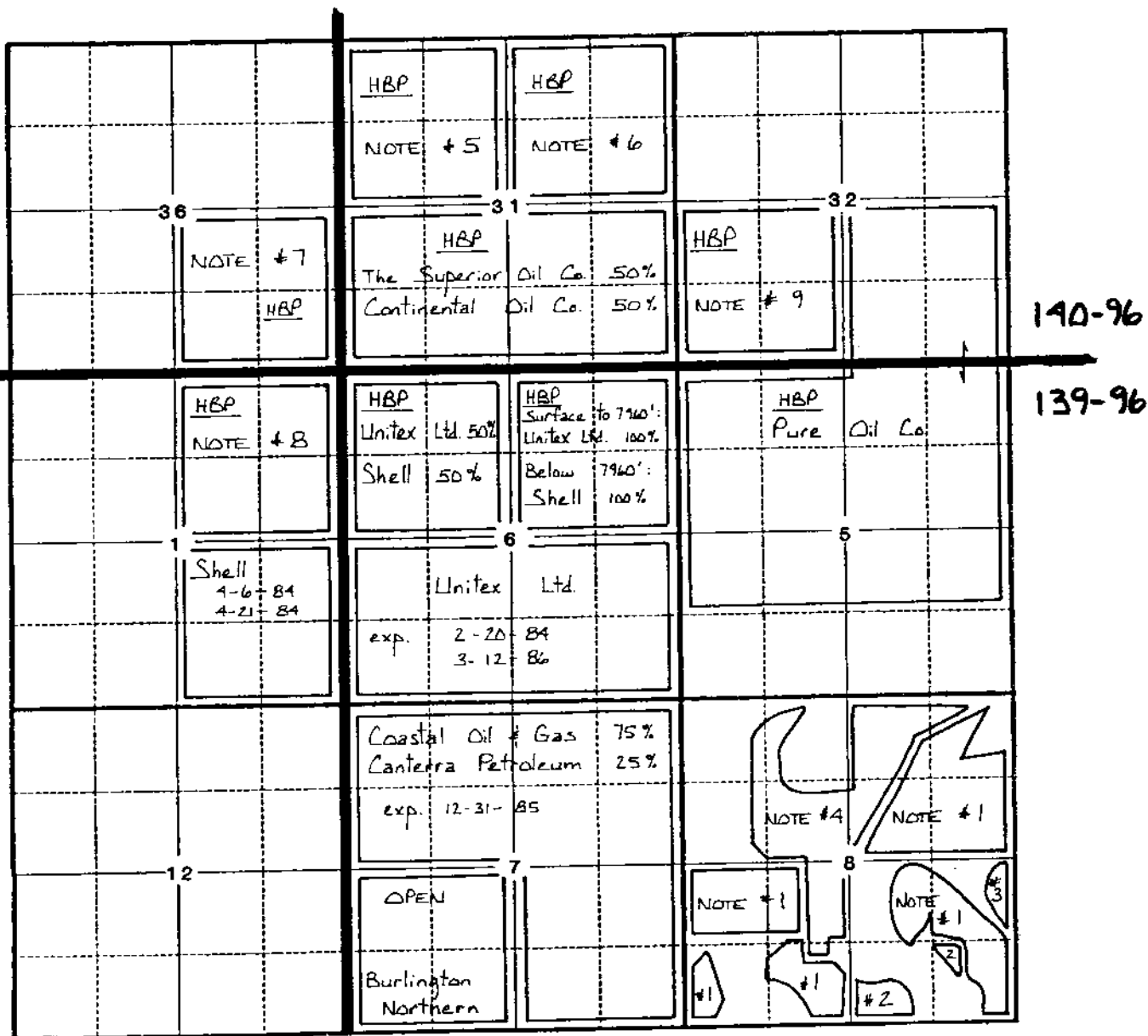
Well File # 3825                      Continental Oil Co.                      Permit # 3837  
A. Filipi #2  
140-96; 32: SW $\frac{1}{4}$ NE $\frac{1}{4}$   
application: 2-18-65  
well completed: never drilled

Well File # 4217                      Continental Oil Co.                      Permit # 4229  
Dickinson-Heath Unit Well #34  
140-96; 32: SW $\frac{1}{4}$ NE $\frac{1}{4}$   
application: 1-3-67  
well completed: 3-14-67  
total depth: 8030'  
status: Salt Water Disposal

Well File # 4225                      Continental Oil Co.                      Permit # 4237  
Dickinson-Heath Unit Well # 31  
140-96; 31: SW $\frac{1}{4}$ NW $\frac{1}{4}$   
application: 1-12-67  
well completed: 2-18-67  
total depth: 8020'  
status: producer

Well File # 4267	Superior Oil Co. Kadrmas #2 140-96; 31: SW $\frac{1}{4}$ SW $\frac{1}{4}$ application: 5-1-67 permit cancelled	Permit # 4279
Well File # 4287	Continental Oil Co. Dickinson-Heath Unit Well # 30 140-97; 36: SE $\frac{1}{4}$ NW $\frac{1}{4}$ application: 6-13-67 well completed: 7-18-67 total depth: 8030' status: producer	Permit # 4299
Well File # 4288	Continental Oil Co. Dickinson-Heath Unit Well # 36 140-96; 32: SW $\frac{1}{4}$ SE $\frac{1}{4}$ application: 6-19-67 well completed: 9-22-67 total depth: 8009' status: producer converted to water injection	
Well File # 4318	Continental Oil Co. Kadrmas-State #1 140-97; 36: SE $\frac{1}{4}$ SE $\frac{1}{4}$ application: 8-21-67 total depth: 7890' plugged and abandoned: 9-11-67	Permit # 4330
Well File #4332	Continental Oil Co. Dickinson-Heath Unit Well #32 140-96; 31: SW $\frac{1}{4}$ NE $\frac{1}{4}$ application: 9-15-67 well completed: 10-26-67 total depth: 7925' status: producer	Permit # 4344
Well File # 4770	Continental Oil Co. Dickinson-Heath Unit Well # 38 140-97; 36: center of SW $\frac{1}{4}$ application: 9-3-69 well completed: 10-12-69 total depth: 7998' status: producer	Permit # 4782

Well File # 5493	Tesoro Petroleum Corp. Kubishta #1 139-97; 1: SE $\frac{1}{4}$ SE $\frac{1}{4}$ application: 8-9-74 total depth: 8955' plugged and abandoned: 9-29-74	Permit #5505
Well File # 5732	Enserch Exploration, Inc. Walton #1 139-96; 6: NE $\frac{1}{4}$ NE $\frac{1}{4}$ application: 9-15-75 total depth: 7925' plugged and abandoned: 5-8-76	Permit #5744
Well File # 7078	Continental Oil Co. Dickinson-Heath Sand Unit Well #62 140-96; 32: SW $\frac{1}{4}$ NW $\frac{1}{4}$ application: 6-14-79 well completed: 10-1-79 total depth: 8000' status: producer	Permit # 7078
Well File # 9075	Unitex, Ltd. Walton #6-1 139-96; 6: NE $\frac{1}{4}$ NE $\frac{1}{4}$ application: 8-14-81 well completed: 11-20-81 total depth: 7860' status: producer	Permit # 9075



Stark County, ND

BWAB - Lupine Prospect



## Map Leasehold Status Notes

### Note #1

Southport Exploration Inc.	37.5%
Mobil Oil Corp.	37.5%
Ocelot Oil Corp.	25%
exp. 9-11-85	

### Note #2

Southport Exploration Inc.	37.5%
Mobil Oil Corp.	37.5%
Ocelot Oil Corp.	25%
exp. 8-27-85	

### Note #3

Southport Exploration Inc.	100%
exp. 1-5-86	

### Note #4

Coastal Oil & Gas	75%
Canterra Petroleum	25%

(covers 75% of Burlington Northern's interest;  
25% of the interest is unleased. Notice of  
oil and gas lease based on side letter agreement,  
no expiration date shown of record.)

### Note #5 HBP

- (1) From surface to 8070': Phillips Petr. 100%  
Below 8070': Placid Oil Co. 67.2857%  
Placid International Oil, Ltd. 35.71428%
- (2) From surface to 7965': Continental Oil Co. 50%  
Phillips Petroleum 50%  
Below 7965': Louis W. Hill, Jr. 50%  
Continental Oil 37.5%  
Phillips Petr. 12.5%
- (3) Continental Oil Co. 100%
- (4) Phillips Petroleum 100%

Note #6      HBP

- (1) From surface to 8070': Phillips Petroleum 100%  
Below 8070': Placid Oil Co. 67.2857%  
Placid International Oil, Ltd. 35.71428%
- (2) Louis W. Hill, Jr. 50%  
Continental Oil Co. 37.5%  
Phillips Petroleum 12.5%
- (3) Continental Oil Co. 100%
- (4) Continental Oil Co. 76.5625%  
Phillips Petroleum 12.5%  
Louis W. Hill, Jr. 10.9375%

Note #7      HBP

- (1) Continental Oil Co. 36.2586%  
Shell Oil 36.2586%  
Phillips Petroleum 12.0862%  
Louis W. Hill, Jr. 12.0861%  
Felmont Oil Corp. 3.125%
- (2) Louis W. Hill, Jr. 51.25%  
Continental Oil Co. 41.25%  
Phillips Petroleum 7.5%

Note #8      HBP

- From surface to Heath-Sand Unit depth:
- Continental Oil Co. 69.15625%
  - Shell Oil 23.22692%
  - Louis W. Hill, Jr. 6.103%
  - Felmont Oil Corp. 1.51383%
- Below Heath-Sand Unit depth: David Sorenson 100%

Note #9      HBP

- (1) Louis W. Hill, Jr. 50%  
Phillips Petroleum 37.5%  
Continental Oil Co. 12.5%
- (2) Phillips Petroleum 59.375%  
Felmont Oil Corp. 25%  
North American Royalties 7.8125%  
Louis W. Hill, Jr. 7.8125%