

BEFORE THE INDUSTRIAL COMMISSION

OF THE STATE OF NORTH DAKOTA

CASE NO. 4276

(CONTINUED)

ORDER NO. 4915

IN THE MATTER OF A HEARING CALLED ON A MOTION OF THE COMMISSION TO CONSIDER THE PROPER SPACING FOR THE DEVELOPMENT OF THE SADLER-MADISON POOL, DIVIDE COUNTY, NORTH DAKOTA, REDEFINE THE LIMITS OF THE FIELD, AND ENACT SUCH SPECIAL FIELD RULES AS MAY BE NECESSARY.

ORDER OF THE COMMISSION

BY THE COMMISSION:

Pursuant to legal notice this cause came on for hearing at 9:00 a.m. on the 17th day of June, 1987, in Bismarck, North Dakota, before an examiner appointed by the Industrial Commission of North Dakota, hereinafter referred to as the "Commission."

NOW, on this 1st day of July, 1987, 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 geological and engineering evidence presented to the Commission relative to the matter of well spacing indicates that the Sadler-Madison Pool, as classified and defined in this order, should be developed on a pattern of one well to 160 acres in order to drain efficiently the recoverable oil from said pool, assure rapid development, avoid the drilling of unnecessary wells, and prevent waste in a manner that will protect correlative rights.

(3) That proper 160-acre spacing in the Madison Pool in this field will result in the efficient and economical development of the field as a whole and will operate so as to prevent waste and provide maximum ultimate recovery, will avoid the drilling of unnecessary wells, and will protect correlative rights.

(4) That the unrestricted flaring of gas produced from the Sadler-Madison Pool could be considered waste, and in order to minimize such, production from the pool should be restricted until the wells producing therefrom are connected to a gas gathering and processing facility.

(5) That certain special field rules are necessary to prevent waste and protect against the contamination and pollution of surface lands and fresh waters.

IT IS THEREFORE ORDERED:

(1) That the Sadler Field is hereby redefined as the following described tracts of land in Divide County, North Dakota:

TOWNSHIP 161 NORTH, RANGE 95 WEST, 5TH PM

THE SW/4 OF SECTION 16, THE S/2 OF SECTION 17, THE NE/4 OF SECTION 20, AND THE NW/4 OF SECTION 21.

together with those additional quarter sections or governmental lots corresponding thereto as may be proven productive by wells drilled on lands within one mile of the boundaries of the field as set forth above, provided further that such extensions of the field boundaries shall include only sufficient acreage to form a spacing unit for such wells, and any intervening lands.

(2) That the Sadler-Madison Pool be, and the same is hereby defined as that accumulation of oil and gas found below the base of the Last Charles Salt and above the top of the Lodgepole Formation within the limits of the field as set forth above.

(3) That effective this date, the proper spacing for the development of the Sadler-Madison Pool be, and the same is hereby set at one well to 160 acres.

(4) That all wells hereafter drilled to said pool shall be located not less than 500 feet from a spacing unit boundary nor closer than 1650 feet to a well permitted to or producing from the pool. Wells presently permitted to or producing from the pool that do not conform to this spacing pattern shall be considered exceptions.

(5) That spacing units for the Sadler-Madison Pool shall consist of a governmental quarter section, or lots corresponding thereto, as determined by governmental survey.

(6) That no well shall be drilled hereafter in the Sadler-Madison Pool except in conformity with the regulations above without special order of the Commission after due notice and hearing.

(7) That the following rules concerning the casing, tubing and equipping of wells shall apply to the subsequent drilling and operation of wells in the Sadler-Madison Pool:

- (a) The surface casing shall consist of new or reconditioned pipe that has been previously tested to 1000 pounds per square inch. The casing shall be set and cemented at a point not less than 50 feet below the base of the Fox Hills Formation. Sufficient cement shall be used to fill the annular space outside the pipe to the surface of the ground or the bottom of the cellar, and sufficient scratchers and centralizers shall be used to assure a good cement job. Cement shall be allowed to stand a minimum of 12 hours before drilling the plug or initiating tests;
- (b) The producing or oil string shall consist of new or reconditioned pipe that has been previously tested to 2000 pounds per square inch. Casing shall be set and cemented at a point not higher than the top of the producing formation. Sufficient cement shall be used and applied in such manner as to adequately protect and isolate all formations containing oil and/or gas, protect the pipe through salt sections encountered, and to isolate the Dakota-Lakota Series. The cement shall be allowed to stand a minimum of 24 hours before drilling the plug or initiating tests. After cementing, the casing shall be tested by application of pump pressure of at least 2000 pounds per square inch. If, at the end of 30 minutes this pressure shall have dropped 150 pounds per square inch or more, the casing shall be repaired.

Thereafter, the casing shall again be tested in the same manner. Further work shall not proceed until a satisfactory test has been obtained;

- (c) All well-head fittings and connections shall have a working pressure in excess of that to which they are expected to be subjected; and,
- (d) All wells shall be equipped with tubing; all tubing shall be of sufficient internal diameter to allow the passage of a bottom-hole pressure gauge for the purpose of obtaining bottom-hole pressure measurements.

(8) That the gas-oil ratio of each well shall be measured during the months of May and November, and the reservoir pressure of flowing wells shall be measured in the months of May and November, and in pumping wells when the rods are pulled but at least once annually and reported to the Enforcement Officer within 15 days following the end of the month in which they are determined. Pressure measurements shall be made at or adjusted to a subsea datum of 5065 feet after the well has been shut in for 48 hours. All gas-oil ratio and reservoir pressure determinations shall be made under the supervision of and by methods approved by the Enforcement Officer. The Enforcement Officer is authorized to waive these requirements if the necessity therefor can be demonstrated to his satisfaction.

(9) That no salt water shall be stored in pits in this field, except in an emergency, and approved by the Enforcement Officer.

(10) That all wells in the Sadler-Madison Pool shall be allowed to produce at an unrestricted rate for a period of 60 days commencing on the first day oil is produced through well-head equipment into tanks from the ultimate producing interval after casing has been run; after that, oil production from such wells shall not exceed an average of 200 barrels per day for a period of 60 days; after that, oil production from such wells shall not exceed an average of 150 barrels per day for a period of 60 days, thereafter, oil production from such wells shall not exceed an average of 100 barrels of oil per day; if and when such wells are connected to a gas gathering and processing facility the foregoing restrictions shall be removed, and the wells shall be allowed to produce at a maximum efficient rate.

(11) That if the flaring of gas produced with crude oil from the Sadler-Madison Pool causes, or threatens to cause, degradation of ambient air quality, production from the pool shall be further restricted.

(12) That this order shall cover all of the Sadler-Madison Pool common source of supply of crude oil and/or natural gas as herein defined, and shall continue in full force and effect until further order of the Commission or until the last well in the pool has been plugged and abandoned.

Dated this 1st day of July, 1987.

INDUSTRIAL COMMISSION  
STATE OF NORTH DAKOTA

/s/ George A. Sinner  
George A. Sinner, Governor

/s/ Nicholas J. Spaeth  
Nicholas J. Spaeth, Attorney General

---

Kent Jones, Commissioner of Agriculture

STATE OF NORTH DAKOTA  
COUNTY OF BURLEIGH

AFFIDAVIT OF  
MAILING

I, Evie Reisenauer, being duly sworn upon oath, depose and say: That on the 9th day of July, 1987, I enclosed in separate envelopes true and correct copies of the attached Order No. 4915 of the North Dakota Industrial Commission, and deposited the same with the United States Postal Service in Bismarck, North Dakota, with postage thereon fully paid, directed to the following persons, all of whom appeared at the hearing of the Industrial Commission in Case No. 4276:

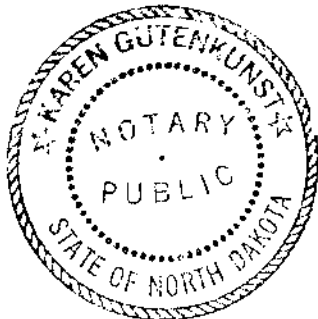
A.M. Fruh Co., Inc.  
P.O. Box 2524  
Bismarck, ND 58502

Rick L. Kirby  
Senior Petroleum Engineer  
Louisiana Land & Exploration  
Western Division  
Suite 1200  
One Civic Center Plaza  
1560 Broadway  
Denver, CO 80202

Evie Reisenauer  
Evie Reisenauer  
Oil & Gas Division

On this 9th day of July, 1987, before me personally appeared Evie Reisenauer to me known as the person described in and who executed the foregoing instrument and acknowledged that (s)he executed the same as his/her free act and deed.

Karen Gutenkunst  
Notary Public  
State of ND County of Burleigh  
My Commission expires 5-13-88



STATE OF NORTH DAKOTA  
COUNTY OF BURLEIGH

AFFIDAVIT OF  
MAILING

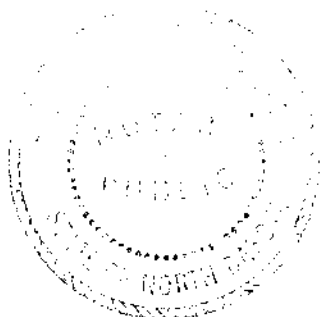
I, Evie Reisenauer, being duly sworn upon oath, depose and say: That on the 7th day of July, 1987, I enclosed in separate envelopes true and correct copies of the attached Order No. 4915 of the North Dakota Industrial Commission, and deposited the same with the United States Postal Service in Bismarck, North Dakota, with postage thereon fully paid, directed to the following persons, all of whom appeared at the hearing of the Industrial Commission in Case No. 4276:

Rick Kirby  
Louisiana Land & Exploration  
1560 Broadway  
Suite 1200  
Denver, CO 80202

Evie Reisenauer  
Evie Reisenauer  
Oil & Gas Division

On this 8th day of July, 1987, before me personally appeared Evie Reisenauer to me known as the person described in and who executed the foregoing instrument and acknowledged that (s)he executed the same as his/her free act and deed.

Loval Gatenkunst  
Notary Public  
State of ND County of Burleigh  
My Commission expires 5-13-87



STATE OF NORTH DAKOTA  
COUNTY OF BURLEIGH

AFFIDAVIT OF MAILING

I, Evie Reisenauer, being duly sworn upon oath, depose and say: That on the 18th day of June, 1987, I enclosed in separate envelopes true and correct copies of the attached Order No. 4882 of the North Dakota Industrial Commission, and deposited the same with the United States Postal Service in Bismarck, North Dakota, with postage thereon fully paid, directed to the following persons, all of whom appeared at the hearing of the Industrial Commission in Case No. 4276:

A.M. Fruh Co., Inc.  
Box 2524  
Bismarck, ND 58502

Rick L. Kirby  
Senior Petroleum Engineer  
Louisiana Land & Expl. Co.  
Western Division  
Suite 1200, One Civic Center Plaza  
1560 Broadway  
Denver, CO 80202

Evie Reisenauer  
Evie Reisenauer  
Oil & Gas Division

On this 23rd day of June, 1987, before me personally appeared Evie Reisenauer to me known as the person described in and who executed the foregoing instrument and acknowledged that (s)he executed the same as his/her free act and deed.

Karen Huttenkust  
Notary Public  
State of ND County of Burleigh  
My Commission expires 5-13-88



BEFORE THE INDUSTRIAL COMMISSION  
OF THE STATE OF NORTH DAKOTA

CASE NO. 4276  
ORDER NO. 4882

IN THE MATTER OF A HEARING CALLED  
ON A MOTION OF THE COMMISSION TO  
CONSIDER THE PROPER SPACING FOR  
THE DEVELOPMENT OF THE  
SADLER-MADISON POOL, DIVIDE  
COUNTY, NORTH DAKOTA, REDEFINE  
THE LIMITS OF THE FIELD, AND ENACT  
SUCH SPECIAL FIELD RULES AS MAY BE  
NECESSARY.

ORDER OF THE COMMISSION

BY THE COMMISSION:

Pursuant to legal notice this cause came on for hearing at 9:00 a.m. on the 20th day of May, 1987, in Bismarck, North Dakota, before an examiner appointed by the Industrial Commission of North Dakota, hereinafter referred to as the "Commission."

NOW, on this 12<sup>th</sup> day of June, 1987, 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 Louisiana Land and Exploration Company, operator of the only well in the Sadler-Madison Pool, requests that this case be continued to the next regularly scheduled hearings in June, 1987.

(3) That there were no objections to said request.

(4) That this case should be continued to the next regularly scheduled hearings in June, 1987.

IT IS THEREFORE ORDERED:

(1) That this case is hereby continued to the next regularly scheduled hearings in June, 1987.

(2) That the provisions of Commission Order No. 4206 shall remain in full force and effect until further order of the Commission.



Dated this 12<sup>th</sup> day of June, 198 7.

INDUSTRIAL COMMISSION  
STATE OF NORTH DAKOTA

/s/ George A Sinner

George A. Sinner, Governor

Nicholas J. Spaeth, Attorney General

/s/ Kent Jones

Kent Jones, Commissioner of Agriculture

# 4276

The Louisiana Land and Exploration Company  
Western Division

Suite 1200, One Civic Center Plaza  
1560 Broadway  
Denver, Colorado 80202

Area Code 303  
830-2299



May 13, 1987

North Dakota Industrial Commission  
Oil and Gas Division  
900 East Boulevard  
Bismarck, North Dakota 58505

Attention: F. E. Wilborn  
Deputy Enforcement Officer

Re: Sadler - Madison Pool Spacing  
Case #4276  
Divide County, North Dakota

Dear Mr. Wilborn:

In response to your letter dated April 23, 1987, regarding the proper spacing of the Sadler - Madison Pool, The Louisiana Land and Exploration Company would like to request a continuance to the June 1987 Industrial Commission hearing. We are unable to send a person capable of testifying at the May 1987 Industrial Commission hearing.

Please advise if this request meets your approval on Case #4276.

Very truly yours,

THE LOUISIANA LAND AND  
EXPLORATION COMPANY

Rick L. Kirby  
Senior Petroleum Engineer

RLK/cs

NORTH



SHELL OIL CO.

Frederickson #1  
nene 17-T161N-R95W  
KB:2371' TD:7821'

SOUTHLAND ROYALTY CO.

Robert Heuer #1-17  
sese 17-T161N-R95W  
KB:2365' TD:7900'

L L & E

Heuer #41-20-1  
nene 20-T161N-R95W  
KB:2379' TD:10632'

SOUTH



1.42 Mi.

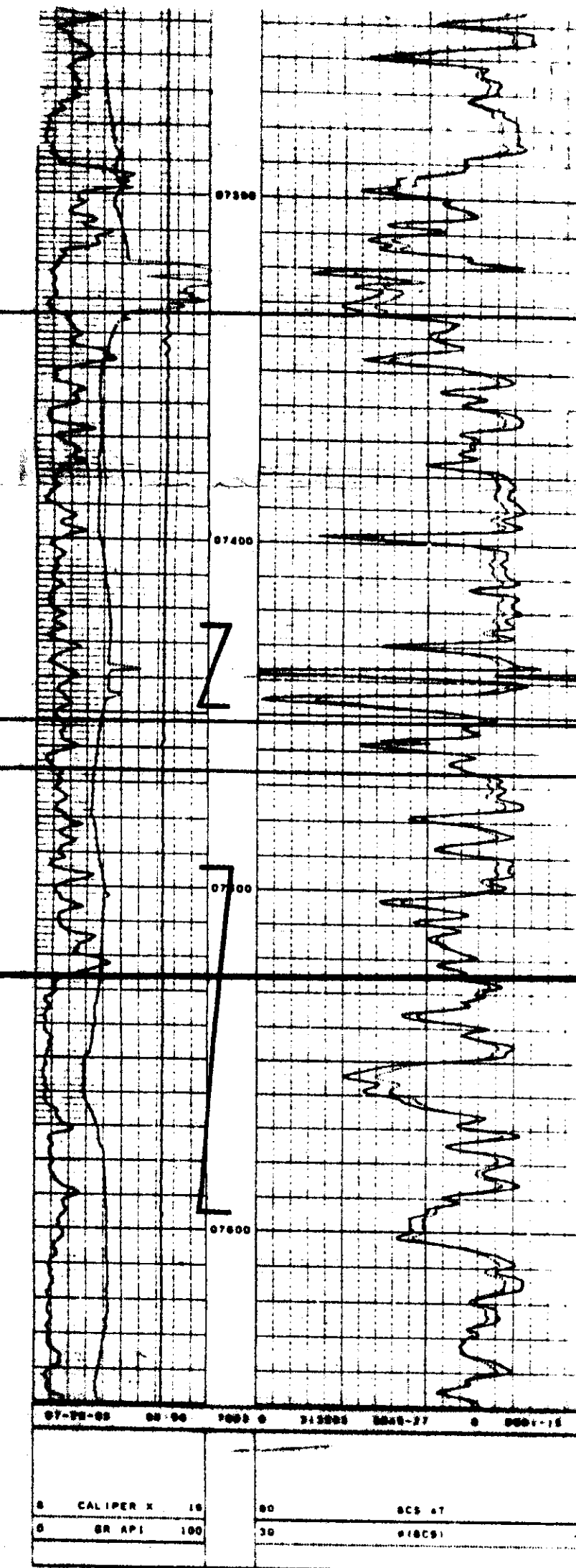
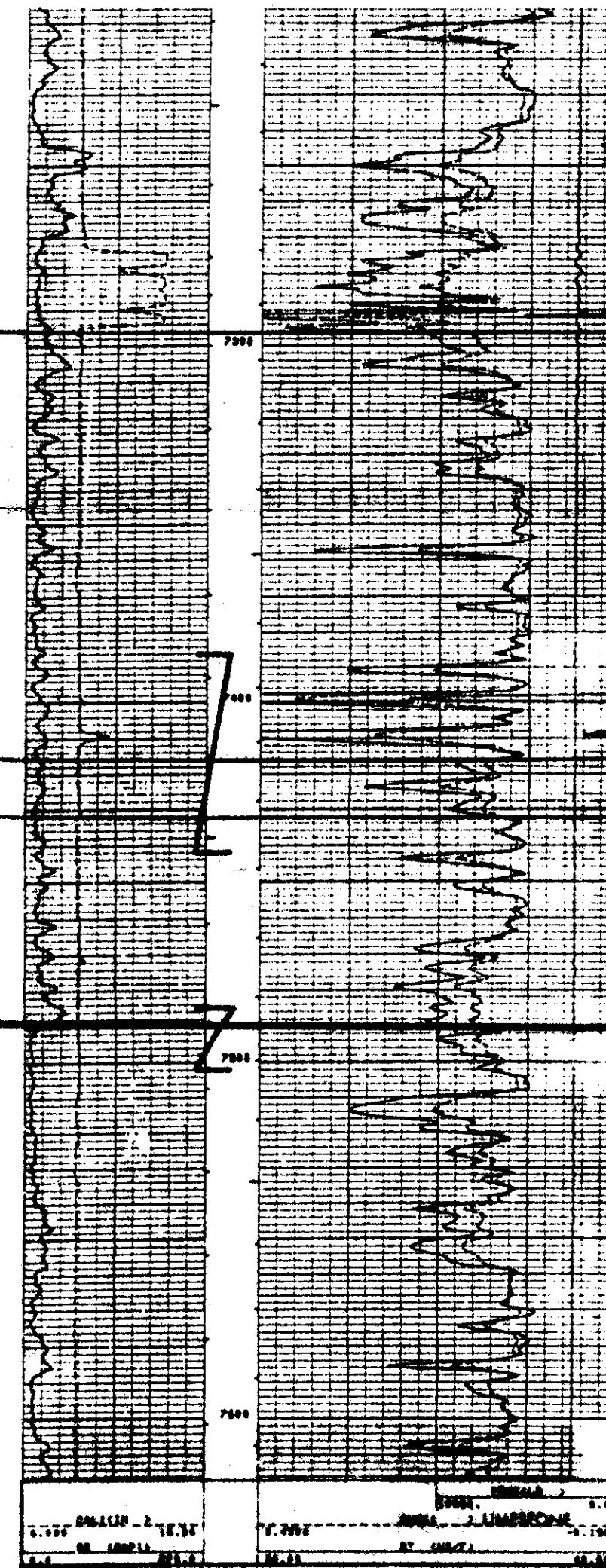
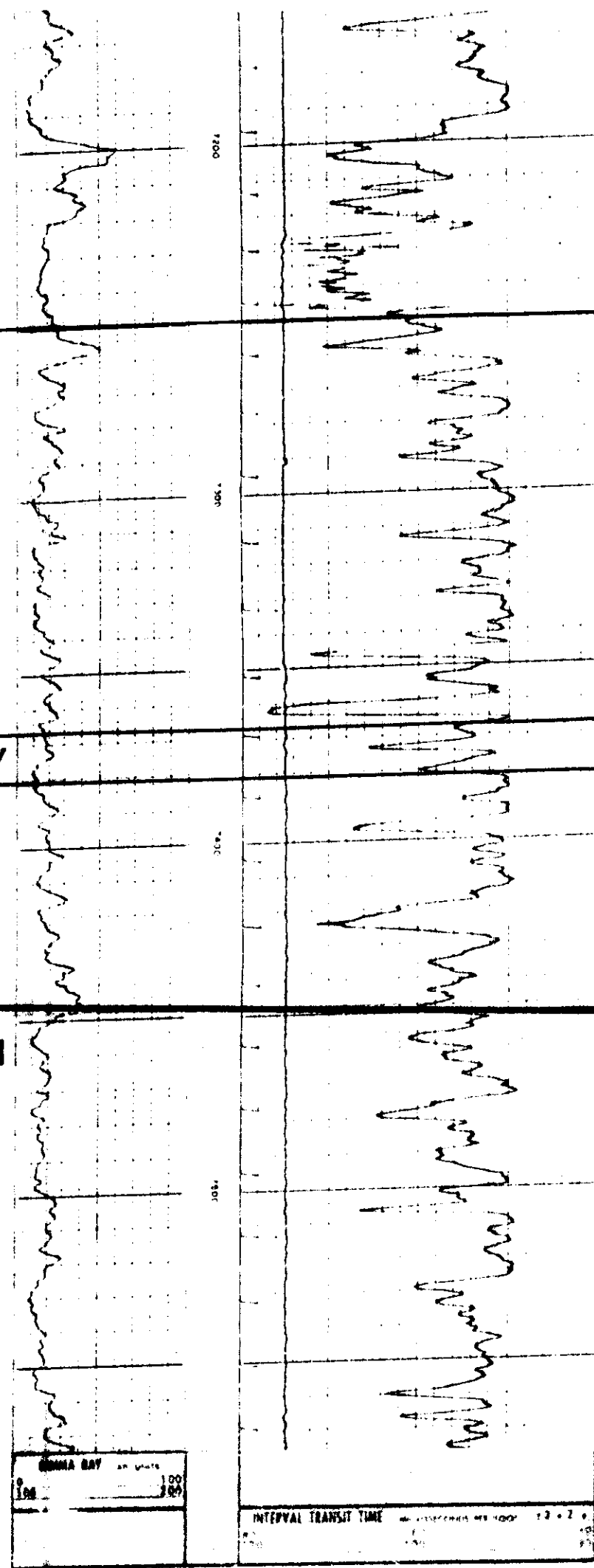
.51 Mi.

BASE LAST SALT

RATCLIFFE POROSITY

DATUM  
TOP MISSION CANYON

DATUM



DST #1 7349-7432' Rec: 278' mud.

DSTs #1 7386-7442' Rec: 218' SMC ammonia & inhib.,  
186' O&GCW, 201' SOCSW w/tr. gas, 15 ppm H2S.  
#2 7486-7502' Rec: 190' ammonia, inhib. & diesel,  
93' SGCWCM, 93' SGC blk wtr.

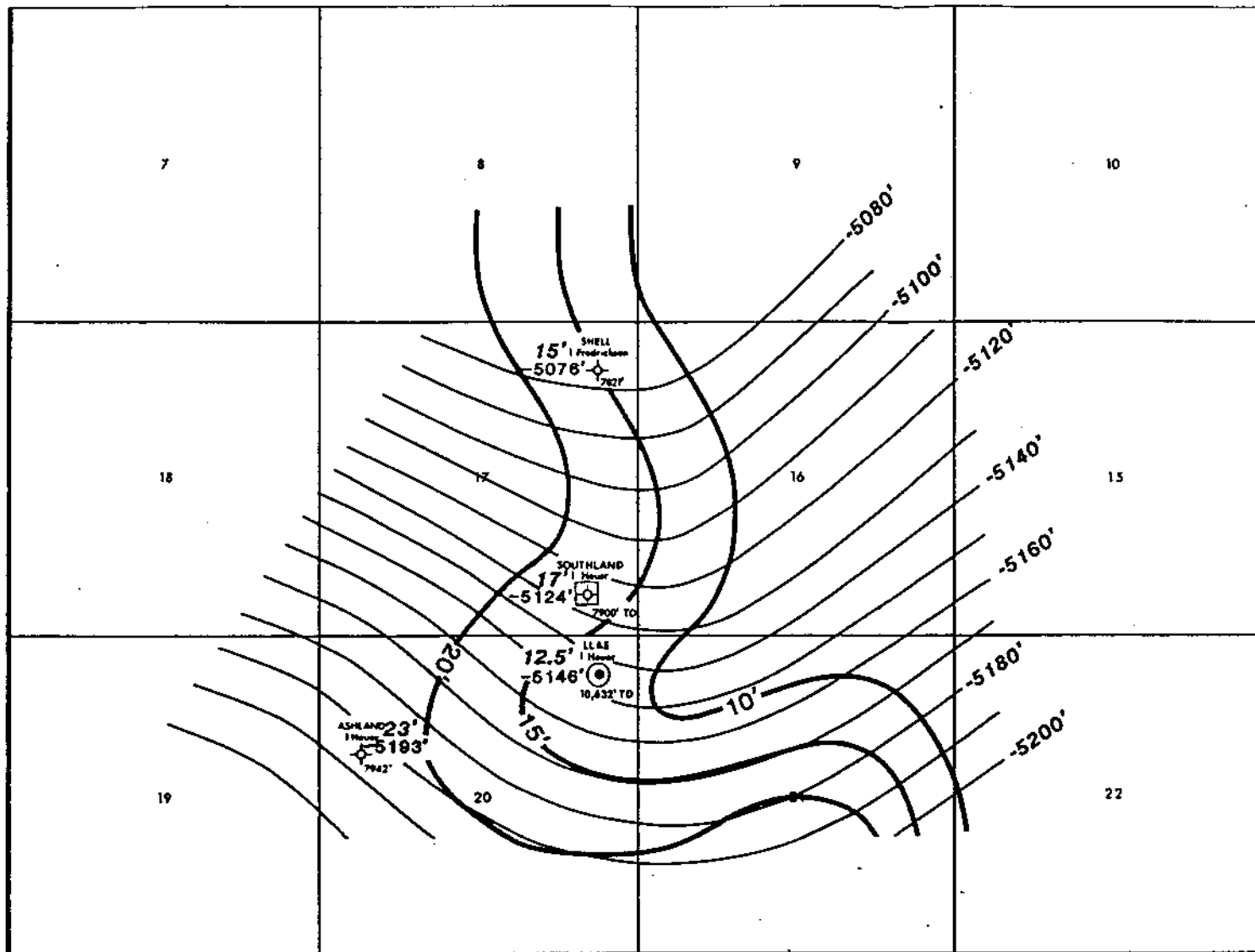
DSTs #1 7425-7448' Rec: 1.76 bbls oil, .09 bbls mud.  
#2 7494-7595' Rec: .58 bbls oil, 1.08 bbls wtr,  
.82 bbls mud.  
PROD. ZONE: Ratcliffe  
IP: 52 BOPD grav. 35, 60 MCF/GPD, 221 BWPD

The Louisiana Land and Exploration Company  
- WESTERN DIVISION -  
1560 Broadway • 1200 One Civic Center Plaza • Denver, Colorado

WILLISTON BASIN

SADLER FIELD  
DIVIDE COUNTY, NORTH DAKOTA

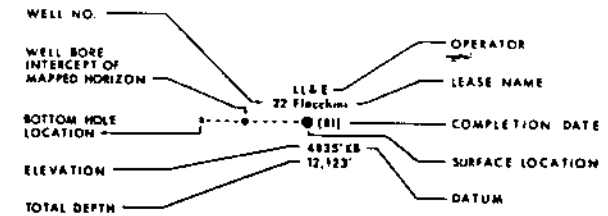
Case No. 4276



R 95 W

Wells posted to MARCH 12, 1987

### LEGEND



- PRODUCES FROM MAPPED HORIZON
- FREE GAS OR OIL IN MEASURABLE AMOUNTS ON DRILL STEM TEST FROM MAPPED HORIZON (good oil and gas show)

T  
161  
N

The Louisiana Land and Exploration Company  
- WESTERN DIVISION -  
1500 Broadway - 1200 One Civic Center Plaza - Denver, Colorado

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**WILLISTON BASIN**

**SADLER FIELD**

**DIVIDE COUNTY, NORTH DAKOTA**

**Case No. 4276**

LEASE 242010

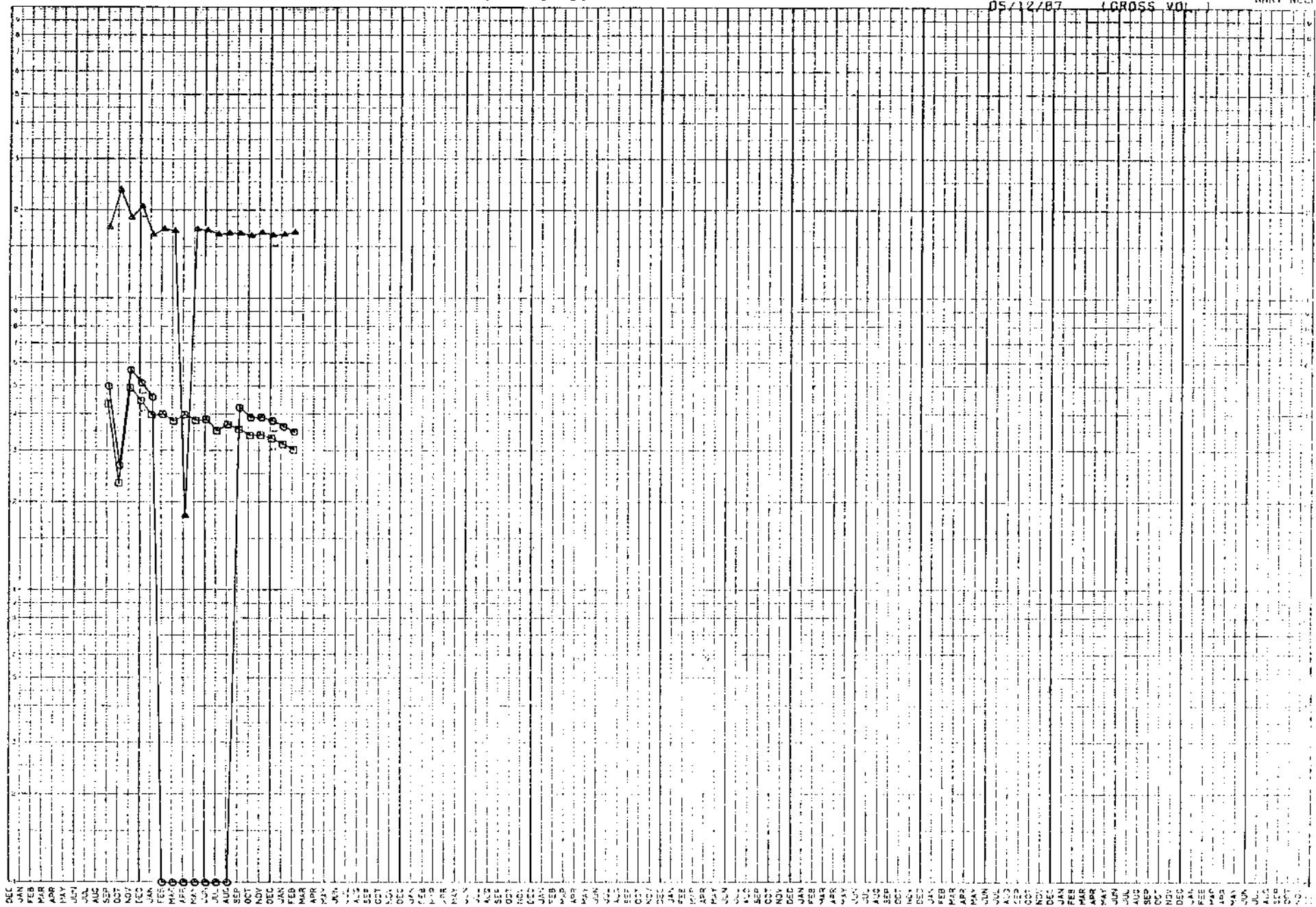
HEUER #1, 41-20

SEMI-LOG TIME PLOT (P09800) SUBMITTED  
05/12/87 (GROSS VOL) MARY NEEL

▲  
●  
□

BASE LINE =  
BASE LINE =  
BASE LINE =

WATER (BWPD)  
TOTAL GAS (MCFD)  
COND.-OIL (BPD)



1985 1986 1987

The Louisiana Land and Exploration Company  
Western Division

Suite 1200, One Civic Center Plaza  
1560 Broadway  
Denver, Colorado 80202

Area Code 303  
830-2299

June 5, 1987

North Dakota Industrial Commission  
Oil and Gas Division  
900 East Boulevard  
Bismarck, North Dakota 58505

Attention: Mr. F. E. Wilborn

Re: Case No. 4276  
Sadler Spacing

Dear Mr. Wilborn:

The following is a synopsis of drilling and completion activity in the Sadler -  
Madison Pool located in Divide County, North Dakota.

1) LL&E HEUER #1 41-20 (Discovery Well)

LOCATION: NENE Section 20, T161N, R95W

SPUD: 06/23/85

COMPLETED: 09/07/85

TOTAL DEPTH: 10,632'

CASING: 5½" set at 7650'

PRODUCING ZONE: Ratcliffe

PERFORATIONS: 7428-31', 7437-40', 7443-47', 7455-64', 7486-89', 7501-7514', 4 SPF

TREATMENT: 800 gals 15% SAN-1; 3,000 gals 15% SAN-1

PRODUCTION: Tested 09/21/85; 24 hrs; pumped 52 BOPD, 60 MCFD, 221 BWPD

GRAVITY: 35 degrees

GOR: 1155 SCF/BBL

PRODUCT DISPOSITION: Oil to Amoco; Gas is flared

Water: BALCO Disposal south of Ambrose

CURRENT PRODUCTION: 30 BOPD

40 MCFD

170 BWPD

CUMULATIVE OIL PRODUCTION (THRU 3/87): 21,642 BBLs

Mr. F. E. Wilborn  
June 5, 1987  
Page 2

It is apparent to The Louisiana Land and Exploration Company that the production and associated economics of the existing well do not warrant further development drilling in Sadler Field at this time. We therefore respectfully request that the temporary spacing order for Sadler Field be made permanent with regard to Ratcliffe Formation. If the Commission so desires however the spacing order could be contracted to the existing well and all undrilled land in the field be excluded.

Enclosed as Exhibit 1 is a structure map of the Ratcliffe Formation in the Sadler Field area. Enclosed as Exhibit 2 is a cross-section of the Sadler Field. Also enclosed as Exhibit 3 is a decline curve from LL&E #1 Heuer 41-20 well in Sadler.

Sincerely,

THE LOUISIANA LAND AND  
EXPLORATION COMPANY



Rick L. Kirby  
Senior Petroleum Engineer

RLK/cs

Enclosures

427-101

NORTH DAKOTA INDUSTRIAL COMMISSION  
**OIL AND GAS DIVISION**

---

**WESLEY D. NORTON**  
Chief Enforcement Officer

**F. E. WILBORN**  
Deputy Enforcement Officer

**CLARENCE G. CARLSON**  
Geologist

**CHARLES KOCH**  
Engineering Dept.

**DOREN DANNEWITZ**  
Field Supervisor

**KEN KALLESTAD**  
Reclamation Sup.

April 23, 1987

Louisiana Land and  
Exploration Company  
P.O. Box 60350  
New Orleans, LA 70160

Gentlemen:

The proper spacing for the development of the Sadler-Madison Pool, Divide County, North Dakota, will be considered at the North Dakota Industrial Commission hearing on the 19th or 20th of May, 1987.

As you have previously been informed, all exhibits to be used at the hearing are to be prefiled in our office 10 days prior to the date of hearing.

Thank you for your assistance in this matter.

Sincerely,

*F.E. Wilborn / tap*

**F.E. Wilborn**  
Deputy Enforcement Officer

FEW/tap



# Affidavit of Publication

State of North Dakota, County of Divide, SS.

JOHN M. ANDRIST, of said County and State, being first duly sworn, this oath says: That The Divide County Journal, a continuation of the ~~Drop & Gas~~ is a weekly newspaper of general circulation, printed and published in Crosby, in said county and state, by John M. Andrist, Editor, and has been such newspaper during the times hereinafter mentioned; and that I, JOHN M. ANDRIST, the editor, during all such times have been the editor of said newspaper, and have personal knowledge of all the facts stated in this affidavit; and that the advertisement headed Notice of publication for



State Industrial Commission

a printed copy of which is hereunto attached, was printed and published in said newspaper for a period of 1 consecutive weeks, to wit:

June 3, 1987

6-3-75 lines

Notice of Publication

@ 33¢ = \$24.75

John M. Andrist, by Norma Odegard, Sec.

Subscribed and sworn to before me June 5, 1987

Shirley Peterman  
Notary Public, Divide County, N. D.

SHIRLEY PETERMAN  
Notary Public, District Court  
Divide County, Crosby, N. Dak.

My Commission Expires Term of Office

# Notice of publication for State Industrial Commission

NOTICE OF PUBLICATION  
NORTH DAKOTA  
INDUSTRIAL COMMISSION  
BISMARCK,  
NORTH DAKOTA

4276

The State of North Dakota by its Industrial Commission hereby gives notice pursuant to law and the rules and regulations of said Commission promulgated thereunder of the following public hearing to be held at 9:00 a.m. on June 17, 1987, Pioneer Room, State Capitol Building, Bismarck, North Dakota. For the purpose of this hearing, the Commission, any member thereof acting as Examiner, or an Examiner appointed by the Commission will receive testimony and exhibits.

STATE OF  
NORTH DAKOTA TO:

All named parties and persons having any right, title, interest, or claim in the following cases and notices to the public.  
CASE NO. 4286: ON A MOTION OF THE COMMISSION TO CONSIDER THE PROPER SPACING FOR THE DEVELOPMENT OF THE FILLMORE-DUPEROW POOL, DIVIDE COUNTY, NORTH DAKOTA, REDEFINE THE LIMITS OF THE FIELD, AND ENACT SUCH SPECIAL FIELD RULES AS MAY BE NECESSARY. CHIEFTAIN INTERNATIONAL, INC.  
CASE NO. 4291: ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF IMPERIAL OIL COMPANY FOR AN ORDER TO PERMIT THE DISPOSAL OF SALT WATER BY INJECTING THE WATER INTO THE MADISON FORMATION THROUGH ITS STATE #F-22A WELL LOCATED IN THE SE/4 OF SECTION 36, T.160N., R.95 W., NORTH TIOGA FIELD, DIVIDE COUNTY, NORTH DAKOTA. CASE NO. 4276: (CONTINUED) ON A MOTION OF THE COMMISSION TO CONSIDER THE PROPER SPACING FOR THE DEVELOPMENT OF THE SADLER-MADISON POOL, DIVIDE COUNTY, NORTH

DAKOTA, REDEFINE THE LIMITS OF THE FIELD, AND ENACT SUCH SPECIAL FIELD RULES AS MAY BE NECESSARY. LOUISIANA LAND AND EXPLORATION COMPANY.

Signed by.

George A. Sinner, Governor  
Chairman

ND Industrial Commission  
(June 3, 1987)

In Account With

# THE DIVIDE COUNTY JOURNAL

John M. Andrist, Managing Editor

Crosby, N. Dak. 6-3 1987

N.D. Industrial Commission  
Oil and Gas Division  
900 East Boulevard -  
Bismarck, N.D. 58505

6-3-75 lines Notice of Publication @ 33¢ B24 75



4274

# BISMARCK TRIBUNE COMPANY

CLASSIFIED INVOICE

ACCOUNTING DEPT.  
707 EAST FRONT, P.O. BOX 1498  
BISMARCK, NORTH DAKOTA 58502-1498  
701-223-2500

ND INDUSTRIAL COMMISSION

CAPITOL BLCG  
BISMARCK

ND 58505

CUSTOMER NO	BILLING DATE	PAGE
0050044-1	06/02/87	1

EXPIRATION DATE	DESCRIPTION	CLASS	LINE NO.	TOTAL LINES	RATE	AMOUNT
06/02/87	45279 NOTICE OF PUBLICATION	007	119	119		51.17

AFFIDAVIT OF PUBLICATION  
STATE OF NORTH DAKOTA } ss  
County of Burleigh  
BEFORE ME, A NOTARY PUBLIC FOR THE STATE OF NORTH DAKOTA, PERSONALLY APPEARED Patricia J. Nelson WHO,  
BEING DULY SWORN, DEPOSES AND SAYS THAT HE(SHE) IS THE CLERK OF THE BOARD OF DIRECTORS OF THE BISMARCK TRIBUNE COMPANY, AND  
THAT THE ABOVE PUBLICATIONS WERE MADE THROUGH THE SAID NEWSPAPER  
AT THE DATES SHOWN 6/2 Police Patricia J. Nelson June 1987  
SWORN AND SUBSCRIBED TO BEFORE ME THIS 5 DAY OF June 1987  
Patricia J. Nelson  
Notary Public in and for the State of North Dakota, Residing at Bismarck

PATRICIA J. NELSON  
Notary Public, BURLEIGH CO., ND  
Commission Expires Nov 26, 1991

**PAYMENT TERMS:**

All accounts become due the 10th of the month following publication and become delinquent on the 20th.

AMOUNT DUE	51.17
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INVOICE NO. 44060

PLEASE DETACH AND RETURN THIS STUB WITH YOUR REMITTANCE

CUSTOMER NAME  
ND INDUSTRIAL COMMISSION

CUSTOMER NUMBER  
0050044-1

BILLING DATE  
06/03/87

AMOUNT DUE  
51.17

AMOUNT OF CHECK

# BISMARCK TRIBUNE COMPANY

CLASSIFIED INVOICE

ACCOUNTING DEPT.  
707 EAST FRONT, P.O. BOX 1498  
BISMARCK, NORTH DAKOTA 58502-1498  
701-223-2500

NOTICE OF PUBLICATION  
NORTH DAKOTA INDUSTRIAL  
COMMISSION

BISMARCK, NORTH DAKOTA

The State of North Dakota by its Industrial Commission hereby gives notice pursuant to law and the rules and regulations of said Commission promulgated thereunder of the following public hearing to be held at 9:00 a.m. on June 17, 1987, Pioneer Room, State Capitol Building, Bismarck, North Dakota. For the purpose of this hearing, the Commission, any member thereof acting as Examiner appointed by the Commission will receive testimony and exhibits.

STATE OF NORTH DAKOTA TO:

All named parties and persons having any right, title, interest, or claim in the following cases and notices to the public. Case No. 4285: On a Motion of the Commission to consider the proper spacing for the development of the Elk-Duperow Pool, McKenzie County, North Dakota, redefine the limits of the field, and enact such special field rules as may be necessary. Mobil Exploration and Production North America, Inc. Case No. 4286: On a Motion of the Commission to consider the proper spacing for the development of the Fillmore-Duperow Pool, Divide County, North Dakota, redefine the limits of the field, and enact such special field rules as may be necessary. Chieftain International, Inc. Case No. 4287: On a Motion of the Commission to consider the proper spacing for the development of the Park-Roll River Pool, Billings County, North Dakota, redefine the limits of the field, and enact such special field rules as may be necessary. Adobe Oil and Gas Corporation, Case No. 4288: On a Motion of the Commission to consider the proper spacing for the development of the Bull Moose-Duperow Pool, McKenzie County, North Dakota, redefine the limits of the field, and enact such special field rules as may be necessary. Pennzoil Company, Case No. 4289: On a Motion of the Commission to consider the temporary spacing for the development of an oil and/or gas pool discovered by the Wiser Oil Company No. 1 Rolstad Well, located in the NE SW of Section 29, T.155N., R.100W., Williams County, North Dakota, define the limits of the field, and enact such special field rules as may be necessary. Case No. 4290: On a Motion of the Commission to consider the appli-

cation of the Wiser Oil Company, for an order pooling all interests in a spacing unit for the Springbrook-Madison Pool described as the SW/4 of Section 29, T.155N., R.100W., Williams County, North Dakota, Case No. 4291: On a Motion of the Commission to consider the application of Imperial Oil Company for an Order to permit the disposal of salt water by injecting the water into the Madison Formation through its State No. F-22A Well located in the SE/4 of Section 36, T.160N., R.95W., North Tioga Field, Divide County, North Dakota, Case No. 4292: On a Motion of the Commission to consider the application of Total Petroleum, Inc. for an order pooling all interests in a spacing unit for the Little Knife-Bakken Pool described as the NE/4 of Section 22, T.143N., R.98W., Billings County, North Dakota, Case No. 4293: On a Motion of the Commission to consider the application of Enron Oil & Gas Company for an order permitting the drilling of a second well in the 320-acre spacing unit described as the W/2 of Section 13, T.145N., R.101W., McKenzie County, North Dakota as an exception to the spacing requirements for the Rough Rider-Madison Pool, Case No. 4274: (Continued) On a Motion of the Commission to consider the proper spacing for the development of the Sadler-Madison Pool, Divide County, North Dakota, redefine the limits of the field, and enact such special field rules as may be necessary. Louisiana Land and Exploration Company, Case No. 4266: (Continued) On a Motion of the Commission to consider the proper spacing for the development of the Werner-Madison Pool, Dunn County, North Dakota, redefine the limits of the field, and enact such special field rules as may be necessary. Great Plains Petroleum, Inc. Case No. 4251: (Continued) On a Motion of the Commission to consider the temporary spacing for the development of an oil and/or gas pool discovered by the Sun Exploration and Production Company No. 13-8 Peterson Well, located in the NW SW of Section 8, T.159N., R.94W., Burke County, North Dakota, define the limits of the field, and enact such special field rules as may be necessary. Case No. 4269: (Continued) On a Motion of the Commission to consider the application of TXP Operating Company for an order permitting the drilling of a well in the SW SW of Section 29, T.154N., R.99W., Williams County, North Dakota, as an exception to the field rules for the East Fork-Madison Pool, Case No. 4237: (Continued) On a Motion of the Commission to consider the temporary spacing for the development of an oil and/or gas pool discovered by the Guy Shaide No. 13-7 Shaide Well, located in the NW SW of Section 3, T.150N., R.103W., McKenzie County, North Dakota, define the limits of the field, and enact such special field rules as may be necessary.

/s/George A. Sinner, Governor  
Chairman, ND Industrial Commission  
6/7 - 45279