

BEFORE THE INDUSTRIAL COMMISSION  
OF THE STATE OF NORTH DAKOTA

IN THE MATTER OF A HEARING CALLED ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF LONE STAR PRODUCING COMPANY AND HILLARD OIL & GAS COMPANY FOR AN ORDER PERMITTING A WELL TO BE DRILLED IN THE NE/4 OF SECTION 6, TOWNSHIP 139 NORTH, RANGE 96 WEST, STARK COUNTY, NORTH DAKOTA, AS AN EXCEPTION TO THE SPACING REQUIREMENTS FOR THE DICKINSON FIELD.

CASE NO. 1270  
ORDER NO. 1369

ORDER OF THE COMMISSION

BY THE COMMISSION:

Pursuant to legal notice this cause came on for hearing at 9:30 a.m. on the 12th day of August, 1975, at Bismarck, North Dakota, before the Industrial Commission of the State of North Dakota, hereinafter referred to as the "Commission."

NOW, on this 9th day of September, 1975, the Commission, a quorum being present, having considered the testimony adduced 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 application and the subject matter thereof.

(2) That the applicant is the owner of a leasehold interest in the NE/4 of Section 6, Township 139 North, Range 96 West, Stark County, North Dakota, and that said tract of land is adjacent to and forms a spacing unit for the Dickinson-Heath Pool.

(3) That Commission Order No. 609 established 160-acre spacing in Zone I of the Dickinson-Heath Pool with wells to be located in the SW/4 of each quarter section.

(4) That expert witnesses for the Dickinson-Heath Sand Unit presented exhibits and testified in Case No. 1095 that the Dickinson-Heath Pool did not extend into Section 6, Township 139 North, Range 96 West, Stark County, North Dakota.

(5) That the applicant presented evidence which indicated that there might be recoverable oil in the NE/4 of said Section 6; however, a well drilled at the proper location would not produce oil in commercial quantities.

(6) That in order to determine whether or not there is recoverable oil in commercial quantities in the NE/4 of Section 6, Township 139 North, Range 96 West, a well should be drilled in the NE NE of said section.

(7) That a well drilled at said location would recover valuable natural resources that might otherwise not be recovered, and that such well would be in the interest of conservation and protective of correlative rights.

IT IS THEREFORE ORDERED:

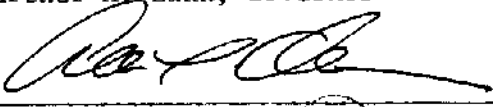
(1) That the applicant, be and the same, is hereby granted permission to drill a well in the approximate center of the NE NE of Section 6, Township 139 North, Range 96 West, Stark County, North Dakota, as an exception to the spacing pattern for the Dickinson-Heath Pool.

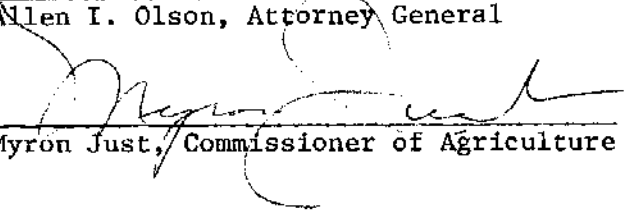
(2) That this order shall remain in full force and effect until further order of the Commission.

DONE, at Bismarck, North Dakota, this 9th day of September, 1975.

THE NORTH DAKOTA INDUSTRIAL COMMISSION

\_\_\_\_\_  
Arthur A. Link, Governor

  
\_\_\_\_\_  
Allen I. Olson, Attorney General

  
\_\_\_\_\_  
Myron Just, Commissioner of Agriculture



W. C. Blackburn  
Manager  
Production Department  
Casper Division  
Western Hemisphere Petroleum Division

Continental Oil Company  
152 North Durbin  
Pacific Western Life Building  
Casper, Wyoming 82601  
(307) 234-7311

August 6, 1975

North Dakota Industrial Commission  
University Station  
Grand Forks, North Dakota 58201

Attention Dr. E. A. Noble  
State Geologist

Gentlemen:

Re: Application of Hilliard Oil and Gas, Inc.  
Dickinson Field  
Stark County, North Dakota  
Case No. 1270  
File: SP-414-CF



The subject case will consider the application of Hilliard Oil and Gas, Inc. for an exception location for a Tyler test well near the South boundary of the Dickinson Heath Sand Unit. The location that has been reported to Continental Oil Company is 660' FNL, 660' FEL, Section 6, T139N, R96W, Stark County, North Dakota.

Continental Oil Company, as operator of the Dickinson Heath Sand Unit, opposes the proposed off-pattern location as we do not believe that a well at that location would protect the correlative rights of all owners. The North Dakota Industrial Commission entered Order No. 1224 on July 10, 1973 in which paragraph 3 states "That all wells drilled within one and one-half miles of the boundary of the Dickinson Field are herein defined, shall conform to the spacing pattern and drilling units established in the adjacent field area." The adjacent area of the Dickinson field to the proposed Hilliard location is spaced on 160 acres with the permitted locations in the approximate center of the southwest quarter-quarter sections.

The on-pattern location for a well in the NE/4 of Section 6 is 1980' FEL and 1980' FNL. In the absence of definite information such as a dry hole at the approved spacing location, any information submitted to the Commission on the South boundary of the field in Section 6 is purely conjectural. Similar conjectural information could be produced in similar instances and if accepted as evidence by the Commission at other hearings, such information could effectively destroy approved well spacing patterns in North Dakota oil and gas fields.

North Dakota Industrial Commission  
Page Two  
August 6, 1975

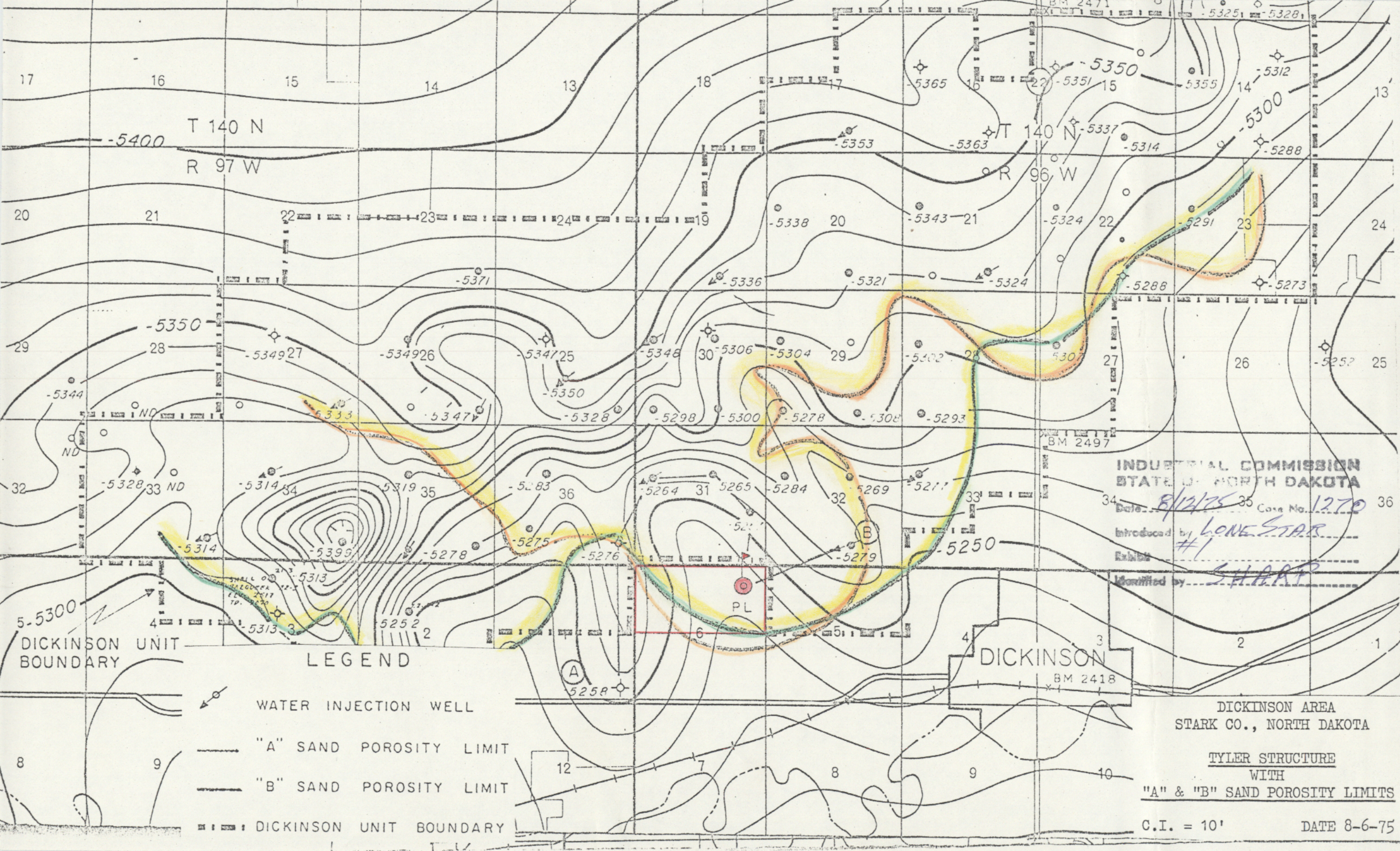
For this reason, Continental Oil Company, as operator of the Dickinson Heath Sand Unit recommends that the North Dakota Industrial Commission disapprove the application for exception location in the NE/4 of Section 6, T139N, R96W.

Yours very truly,

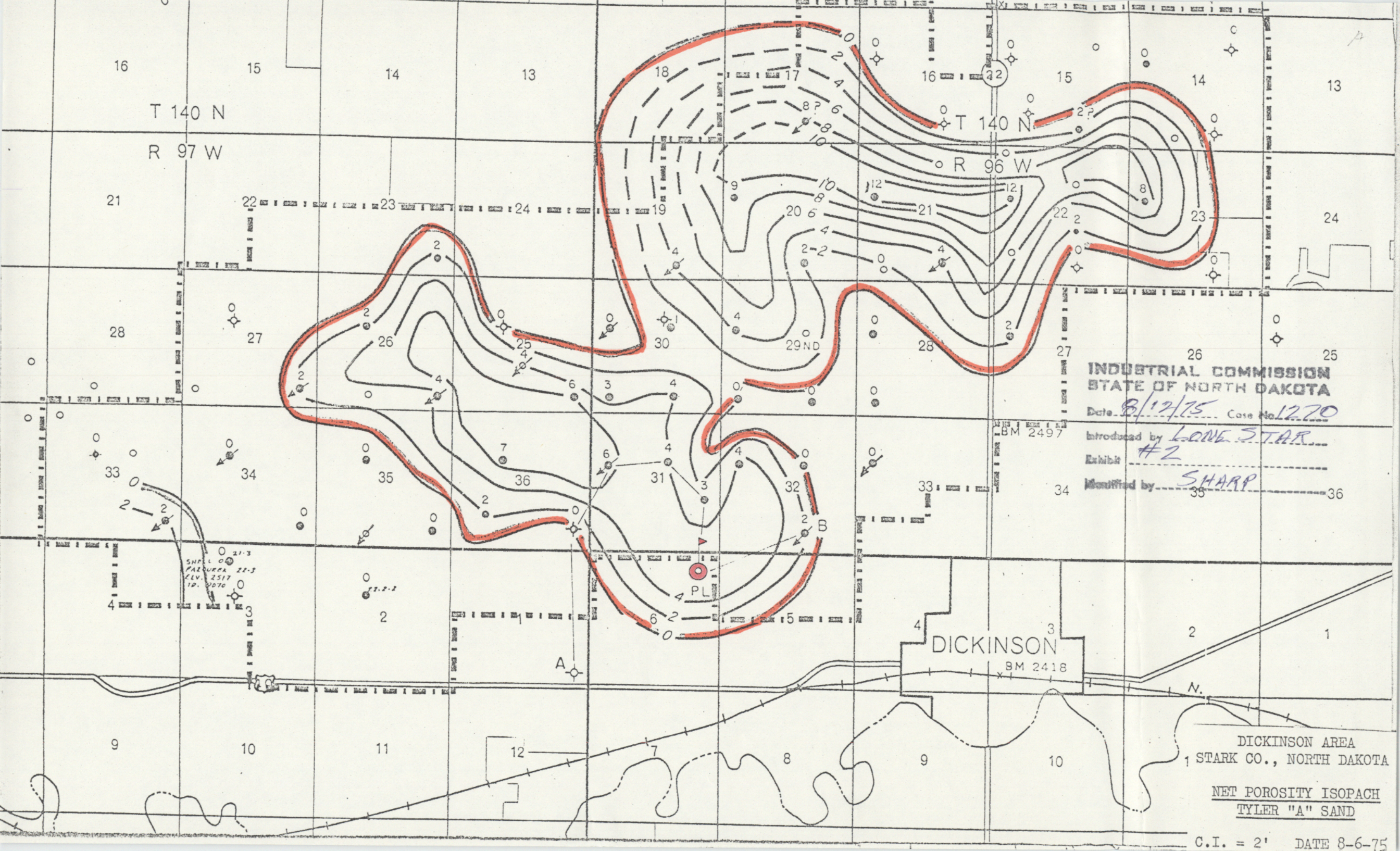
*James B. Calkins*

ar  
cc: CMT









T 140 N  
R 97 W

INDUSTRIAL COMMISSION  
STATE OF NORTH DAKOTA  
Date 8/12/75 Case No. 1270  
Introduced by LONG STAR  
Exhibit #2  
Identified by SHARP

DICKINSON

DICKINSON AREA  
STARK CO., NORTH DAKOTA

NET POROSITY ISOPACH  
TYLER "A" SAND

C.I. = 2' DATE 8-6-75







R. 97 W.

R. 96 W.

T.  
140  
N.T.  
140  
N.INDUSTRIAL COMMISSION  
STATE OF NORTH DAKOTADate 4/12/75 Case No. 1220Introduced by #4Filed 4/12/75Identified by SHR:RP

UNIT BOUNDARY

UNIT BOUNDARY

DICKINSON TOWN SITE

## LEGEND

- LOCATION
- OIL WELL
- ▲ SHUT-IN OIL WELL
- ✦ ABANDONED OIL WELL
- ✧ DRY HOLE
- ✧ WATER INJECTION WELL
- ✧ PROPOSED WATER INJECTION WELL
- ✧ WATER SUPPLY WELL

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CONTINENTAL OIL COMPANY  
PRODUCTION DEPARTMENT  
Casper, WyomingDICKINSON UNIT  
ISOPACH MAP  
HEATH NET OIL SAND

County: Store: Store: North Dakota

Scale: 1" = 1 mile Date: 4/12/75

R. 97 W.

R. 96 W.

T. 140 N.

T. 140 N.

UNIT BOUNDARY

UNIT BOUNDARY

INDUSTRIAL COMMISSION  
STATE OF NORTH DAKOTA

Case No. \_\_\_\_\_  
Date \_\_\_\_\_  
by \_\_\_\_\_  
Identified by \_\_\_\_\_

DICKINSON TOWNSITE

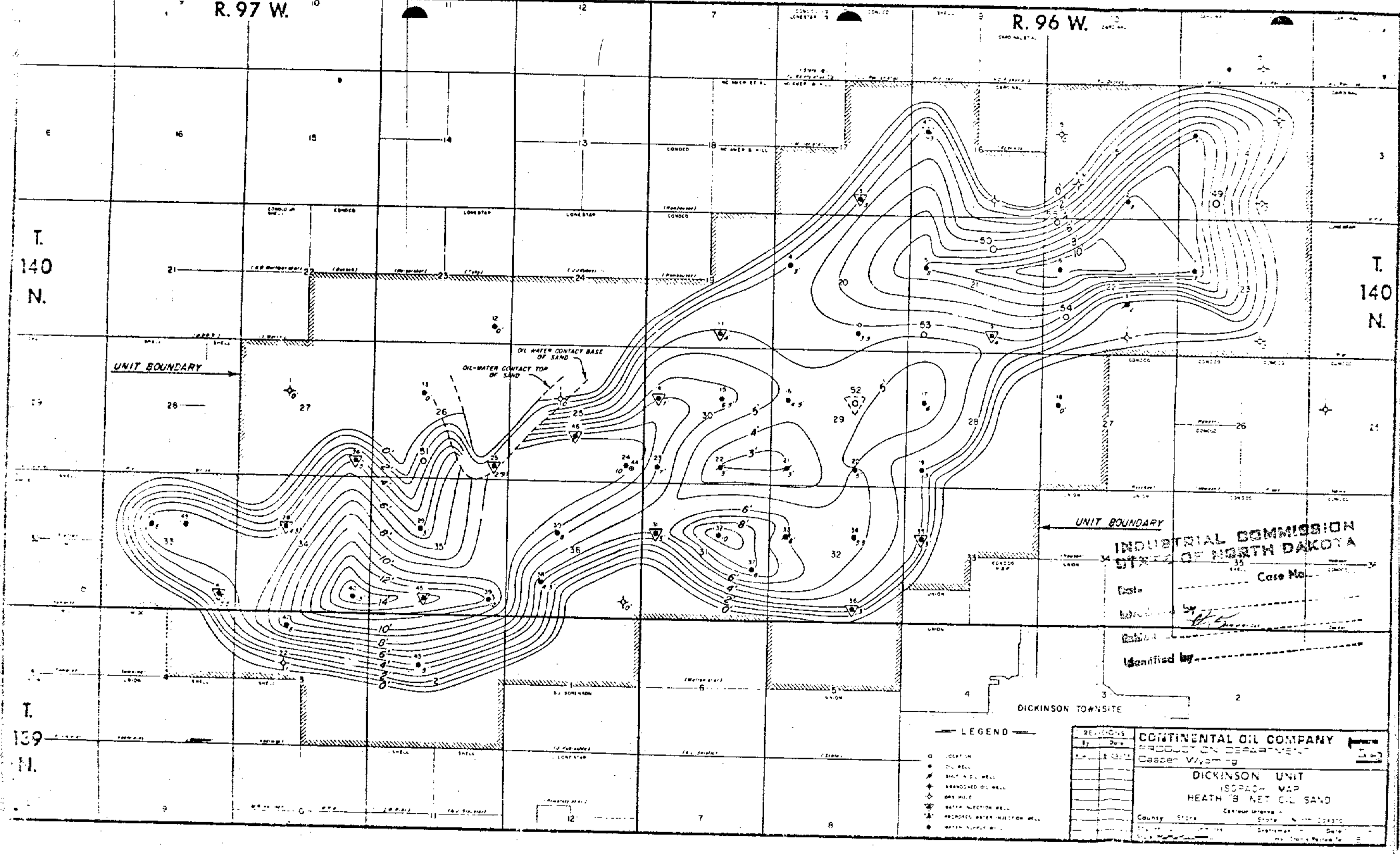
LEGEND

- LOCATION
- OIL WELL
- ✱ SHUT-IN OIL WELL
- ✱ ABANDONED OIL WELL
- ✱ GAS WELL
- ✱ WATER INJECTION WELL
- ✱ PROPOSED WATER INJECTION WELL
- WATER CURE WELL

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CONTINENTAL OIL COMPANY	
PRODUCTION DEPARTMENT	
Casper, Wyoming	
DICKINSON UNIT	
ISORAPACH MAP	
HEATH 18 NET OIL SAND	
County	State
Section	Range
Township	Meridian

T. 139 N.



A

GLOBE  
#1 - KUBISHTA  
SE-SE - SEC. 1  
KB 2486

CONOCO  
#1 - KADRMAS - STATE  
SE-SE - SEC. 36  
KB 2490

CARDINAL  
#5-31 - FRENZEL  
SW-NW - SEC. 31  
KB 2509 IPP 360 BOPD

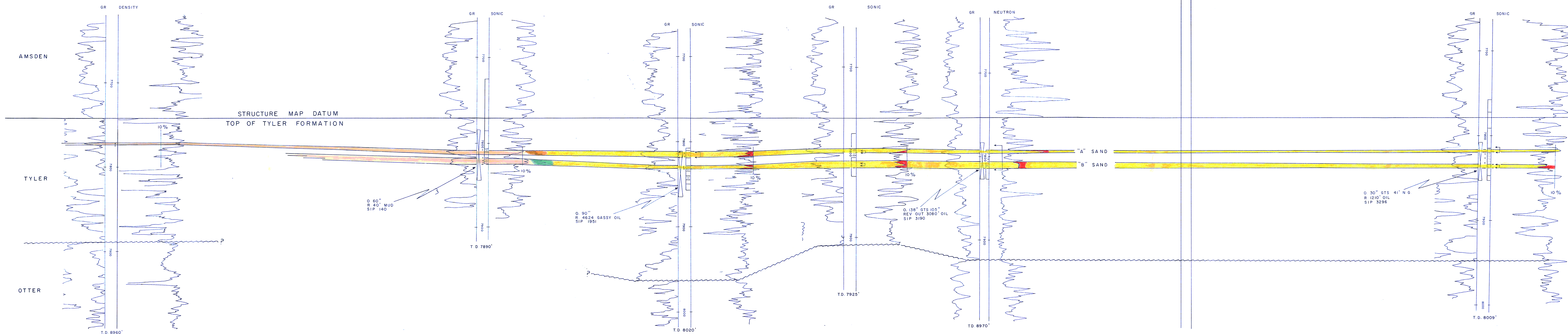
CONOCO  
#1 - FRENZEL  
SW-NE - SEC. 31  
KB 2493 IPP 380 BOPD

ATLANTIC-RICHFIELD  
#1 - KADRMAS  
NE-SE - SEC. 31  
KB 2498 IPP 300 BOPD

PROPOSED LOCATION  
#1 - WALTON ETAL  
NE-NE - SEC. 6

UNION  
#1 - STATE  
SW-SE - SEC. 32  
DF 2493 IPP 124 BOPD

B



LONE STAR PRODUCING COMPANY  
ROCKY MOUNTAIN EXPLORATION DISTRICT

DICKINSON AREA  
STARK CO., NORTH DAKOTA

STRATIGRAPHIC CROSS SECTION A-B

TYLER "A" & "B" SANDS

SCALE: HORIZ: 1" = 500'  
VERT: 2 1/2" = 100'  
DATE: 1-30-1975

GEOLOGIST: R. SHARP  
DRAFTING: C. MONKS

INDUSTRIAL COMMISSION  
STATE OF NORTH DAKOTA

By *[Signature]* Date *1/30/75*

Produced by *LONE STAR*

Checked by *[Signature]*

Approved by *[Signature]*



BEFORE THE INDUSTRIAL COMMISSION  
OF THE STATE OF NORTH DAKOTA

IN THE MATTER OF THE APPLICATION )  
OF LONE STAR PRODUCING CO. AND )  
HILLARD OIL & GAS CO. FOR AN )  
ORDER PERMITTING THE DRILLING OF )  
A WELL AS AN EXCEPTION TO THE )  
SPACING PATTERN IN THE DICKINSON )  
HEATH POOL AT A LOCATION IN THE )  
NE¼ OF SECTION 6, TOWNSHIP 139 )  
NORTH, RANGE 96 WEST, STARK )  
COUNTY, NORTH DAKOTA, 660' FROM )  
THE NORTH LINE OF SAID SECTION )  
AND 660' FROM THE EAST LINE OF )  
SAID SECTION. )

A P P L I C A T I O N

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COMES NOW the Applicants, Lone Star Producing Co. and  
Hillard Oil & Gas Co., and respectfully allege:

I.

That Lone Star Producing Co. is the owner of the oil and  
gas leasehold estate on the lands involved in this application, and  
that Hillard Oil & Gas Co. contemplates the drilling of a test well  
in the NE¼ of Section 6, Township 139 North, Range 96 West.

II.

That a well drilled on the prescribed spacing pattern would  
in all probability not be productive of oil or gas.

III.

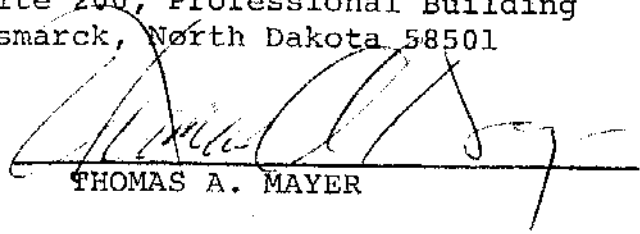
That applicants believe that there is oil underlying at  
least a portion of the spacing unit involved, and that in order to  
recover such oil, a well must be drilled as an exception to the  
spacing pattern and at a location in the NE¼ of Section 6, Township  
139 North, Range 96 West, described as 660' from the north line of  
said section and 660' from the east line of said section.

WHEREFORE these applicants pray that the matter be set  
for hearing and that the Commission issue its Order permitting the  
drilling of such a well as an exception to the spacing pattern.

1  
2 Dated this 18th day of July, 1975.

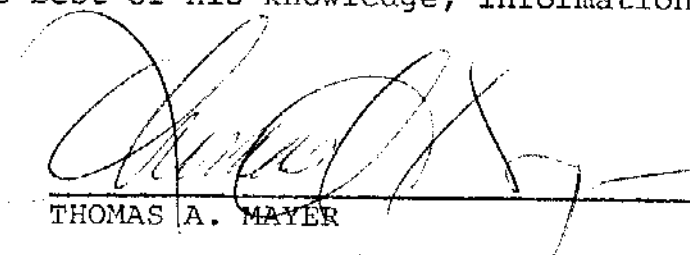
3 LONE STAR PRODUCING CO. and  
4 HILLARD OIL & GAS CO.

5 FLECK, MATHER, STRUTZ & MAYER, Ltd.  
6 Attorneys for the Applicants  
7 Suite 200, Professional Building  
8 Bismarck, North Dakota 58501

9 By   
10 THOMAS A. MAYER

11 STATE OF NORTH DAKOTA )  
12 ) ss.  
13 COUNTY OF BURLEIGH )

14 THOMAS A. MAYER, being first duly sworn on oath, deposes  
15 and says that he is the attorney for the applicants herein named,  
16 that he has read the above and foregoing application, knows the con-  
17 tents thereof and the same is within the knowledge of the affiant,  
18 and that the same is true to the best of his knowledge, information  
19 and belief.

20   
21 THOMAS A. MAYER

22 Subscribed and sworn to before me this 18th day of July, 1975.

23  
24 S E A L

25 Carol Solberg, Notary Public  
26 Burleigh County, North Dakota  
27 My Commission Expires: 6/25/81  
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4 28  
8-11-75

W. GOLD NELSON  
State Printer

# CERTIFICATE OF PUBLICATION

THE DICKINSON PRESS  
Dickinson, North Dakota

STATE OF NORTH DAKOTA,

County of Stark.

## NOTICE OF PUBLICATION N. D. 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 1:30 p.m. on 12 August 1975 in the Large Hearing Room, State Capitol Building, Bismarck, North Dakota.

STATE OF NORTH DAKOTA TO:  
All named parties and persons having any right, title, interest or claim in the following case and notice to the public.  
CASE NO. 1270: On a motion of the Commission to consider the application of Lone Star Producing Company and Hillard Oil & Gas Company for an order permitting a well to be drilled in the NE-4 of Section 6, T. 139N., R. 96W., Stark County, North Dakota, as an exception to the spacing requirements for the Dickinson Field.

N. D. INDUSTRIAL  
COMMISSION  
Arthur A. Link,  
Governor  
(Published July 29, 1975)

Karen Jewell, of said state and county, being first duly sworn, on oath says: That she is the Bookkeeper of the Dickinson Press, Inc., publisher of THE DICKINSON PRESS, a daily newspaper of general circulation, printed and published at Dickinson, in said county and state, and has been such during the time hereinafter mentioned; and that advertisement headed Notice Of Publication ND Industrial Commission Bismarck, ND

a printed copy of which is hereunto annexed, was printed and published in THE DICKINSON PRESS, and in the regular and entire issue of each and every number 1 consecutive weeks, commencing on the 29 day of July A. D. 1975, and ending on the 29 day of July A. D., 1975, both inclusive.

Sworn to and subscribed to before me this 29 day of

July A. D. 1975

ED J. HAUCK

Notary Public, STARK COUNTY, N. DAK.

My Commission Expires JUNE 7, 1979

