

HUMBLE OIL & REFINING COMPANY

South Four Lakes Unit 1-6  
Schematic Completion Diagram

Devonian-Lower Tubing

Pennsylvanian-Upper Tubing

Surface Casing  
13-3/8" at 402'  
Cmtd. w/340 sx. Circulated

Intermediate Casing  
9-5/8" at 4153'  
Cmtd w/1900 sx. Circulated

2" EUE N-80 Tubing  
w/bevelled couplings

BEFORE EXAMINER UTZ

OIL CONSERVATION COMMISSION

*Humble* EXHIBIT NO. 3  
CASE NO. 1202

Pump Seating Nipple at 9968'

Pennsylvanian Perfs 9901-9929'

Baker Dual Tubing Anchor at 10,001'

Otis S-2 Nipple at 12,490'  
Otis Sleeve Valve at 12,522'

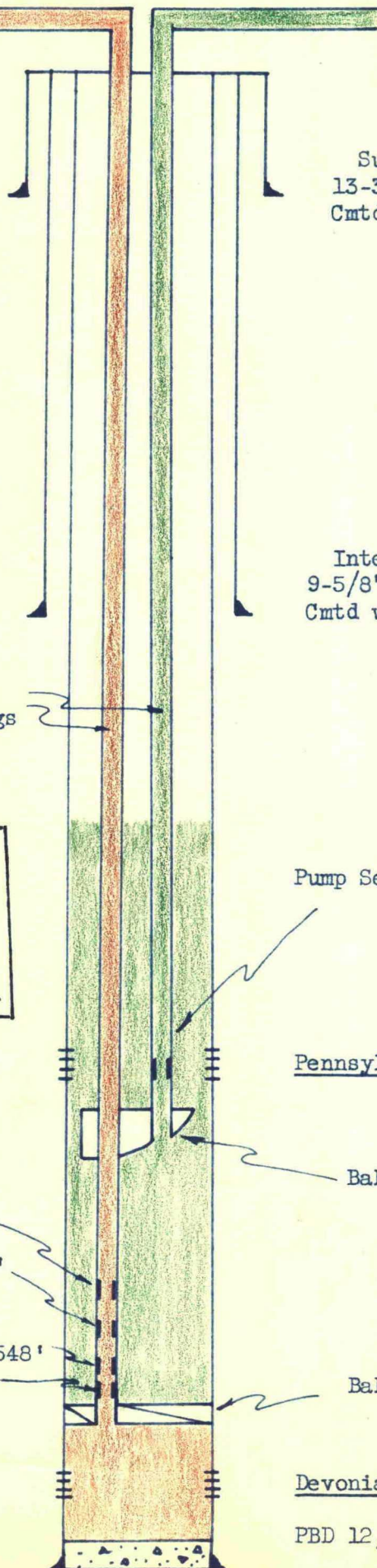
Baker C-1 Receptacle at 12,548'  
Otis S-1 Nipple at 12,554'

Baker Model "D" Pkr at 12,555'

Devonian Perfs 12,793-12,831'

PBD 12,845'

Oil String Casing  
7" csg. at 12,870' Cmtd  
w/1180 sx. Top cmt. 9460'



# HUMBLE OIL & REFINING COMPANY

MIDLAND, TEXAS

Midland, Texas  
April 17, 1959

F. J. Danglade ✓  
P. O. Box 675  
Lovington, New Mexico

H. J. Porter  
3402 Gulf Building  
Houston 2, Texas

Magnolia Petroleum Co. ✓  
P. O. Box 633  
Midland, Texas

Southern Petroleum Exploration, Inc.  
P. O. Box 1017  
Roswell, New Mexico

The Ohio Oil Company  
P. O. Box 552  
Midland, Texas

Sunray Mid-Continent Oil Co.  
1101 Wilco Building  
Midland, Texas

Gentlemen:

Please find attached Humble Oil & Refining Company's request for Examiner Hearing for a dual oil - oil completion for our South Four Lakes Unit 1, Well No. 6.

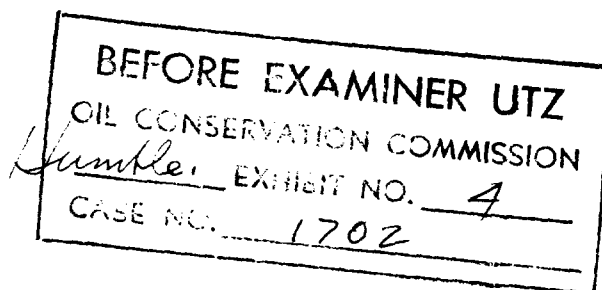
This notice is given in accordance with the rules of the New Mexico Oil Conservation Commission.

Yours very truly,

Humble Oil & Refining Company

*R. R. McCarty*  
R. R. McCarty

JEP/pw





NEW MEXICO OIL CONSERVATION COMMISSION

Well Location and Acreage Dedication Plat

Section A.

Date April 17, 1959

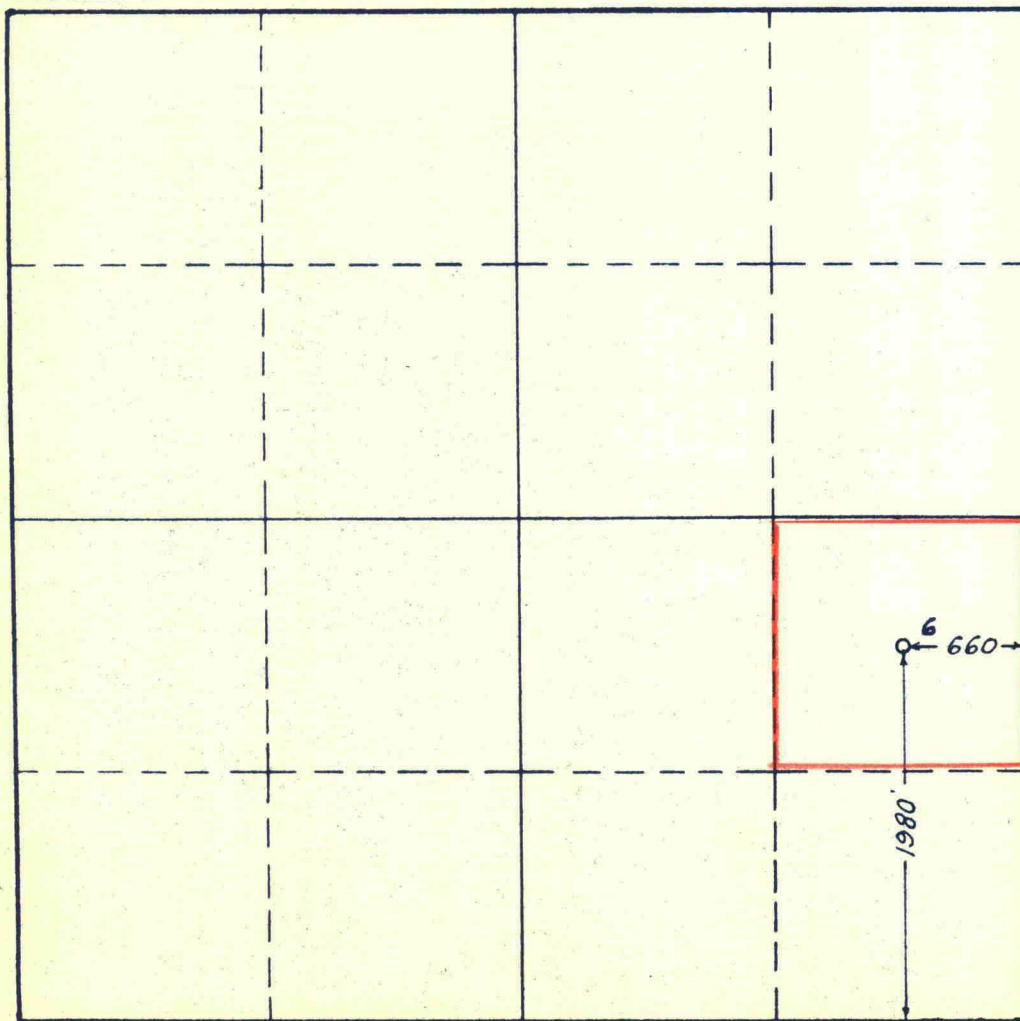
Operator HUMBLE OIL & REFG. CO Lease South Four Lakes Unit  
Well No. 6 Unit Letter "I" Section 2 Township 12-S. Range 34 E NMPM  
Located 1980 Feet From South Line, 660 Feet From East Line  
County Lea G. L. Elevation \_\_\_\_\_ Dedicated Acreage 40 Acres  
Name of Producing Formation Pennsylvanian Pool Undesignated

1. Is the Operator the only owner\* in the dedicated acreage outlined on the plat below?  
Yes ☒ No ☐.
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes ☐ No ☐. If answer is "yes," Type of Consolidation \_\_\_\_\_
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner

Land Description

Section B



This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

HUMBLE OIL & REFG. CO  
(Operator)

H. L. Hensley  
(Representative)  
Assistant Division Supt.  
Box 1600 Midland, Texas  
Address

This is to certify that the well location shown on the plat in Section B was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed 4-22-58

H. L. Strickland  
Registered Professional  
Engineer and/or Land Surveyor.

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

State Lse. # E 2064

Humble-LEASE NO. 96404-116583  
135496-137670

Certificate No. 2156

W-A - 2289

DEVONIAN  
LOWER TUBING

PENNSYLVANIAN  
Upper Tubing

2 Strings 2 $\frac{3}{8}$ " EUE Tubing

9901  
Pennsylvanian  
Perforations

9929

9945

Pump Seating Nipple

9975

Parallel String  
Tubing Anchor

7" O.D. 32#

12,490

Landing Nipple

12,520

Circulating Sleeve

12,550

Baker 2"x7" Model "D" Packer

Landing Nipple

Devonian  
Perforations

12,793-12,830

Plus Back Depth 12,845

Casing Seat 12,870

South Four Lakes Unit-1 Well #6

NEW MEXICO OIL CONSERVATION COMMISSION

Docket No. 23-59-a

In addition to the cases listed on Docket No. 23-59, the following cases will also be heard June 24, 1959, before Elvis A. Utz, Examiner, or A. L. Porter, Jr., Secretary-Director:

CASE 1701: Application of Gulf Oil Corporation for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Learcy McBuffington Well No. 5, located in the NW/4 SE/4, Section 13, Township 25 South, Range 37 East, Lea County, New Mexico, in such a manner as to produce oil from an undesignated Paddock Pool and oil from the Justis-Ellenburger Pool through parallel strings of tubing.

CASE 1702: Application of Humble Oil & Refining Company for an oil-gas dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its South Four Lakes Unit Well No. 6, located in the SW/4 SE/4, Section 2, Township 12 South, Range 34 East, Lea County, New Mexico, in such a manner as to produce oil from a Four Lakes-Pennsylvanian Pool extension and gas from a Four Lakes-Devonian Gas Pool ~~extension~~ through parallel strings of tubing.

CASE 1706: Application of Sunray Mid-Continent Oil Company for an order amending Order No. R-1414. Applicant, in the above-styled cause, seeks an order amending Order No. R-1414 to include the following additional acreage: NW/4 NW/4 of Section 6, Township 25 North, Range 12 West, and the SW/4 SW/4 of Section 31, Township 26 North, Range 12 West, San Juan County, New Mexico.

Place of hearing will be Highway Department Auditorium, 1120 Cerrillos Road, Santa Fe, New Mexico.

Time of hearing will be 8:00 o'clock a.m.

# HUMBLE OIL & REFINING COMPANY

MIDLAND, TEXAS

May 26, 1959

Application For Dual Completion  
Humble Oil & Refining Company  
South Four Lakes Unit 1, Well 6  
Undesignated Pennsylvanian and  
Devonian Pools  
Lea County, New Mexico

New Mexico Oil Conservation Commission  
P. O. Box 871  
Santa Fe, New Mexico

Attention: Mr. A. L. Porter, Jr.

Gentlemen:

By letter dated April 17, 1959, Humble Oil & Refining Company requested that the New Mexico Oil Conservation Commission set for Examiner Hearing an application for a dual oil-oil completion in an Undesignated Devonian Oil Pool and an Undesignated Pennsylvanian Oil Pool for Humble's South Four Lakes Unit 1, Well 6. This well is located 1980 feet from the South and 660 feet from the East lines of Section 2, Township 12 South, Range 34 East, NMPM, Lea County, New Mexico.

By Case No. 1621, Order No. R-1371, New Mexico Oil Conservation Commission approved Humble's application for an order reclassifying Four Lakes-Devonian (Oil) Pool as a gas pool. You are requested, therefore, to amend Humble's application from a dual oil-oil completion to a dual gas-oil completion in an Undesignated Devonian Gas Pool and an Undesignated Pennsylvanian Oil Pool.

Yours very truly,

Humble Oil & Refining Company

*R. R. McCarty*

R. R. McCarty  
Division Production Manager

WHN:ar

cc: All Offset Operators

*Noted  
Mailed  
x x Mr. McCarty  
x Mr. Hinkle  
6-12-59*



Phillips

Humble

Cabot Carbon

State 27

State

26 25

State

34

35 36

Open

Humble No. 137670  
State Lse. E 2013

Humble No. 116586  
State Lse. No. E 596

(Gulf)  
Skelly

T-11-S R-34-E

Humble No. 135496  
State Lse. E 677

State

State

State

State

Magnolia 3

Phillips  
State Lse. E-2064  
Humble Opr.

2

Humble 96404  
State Lse. E-937

Humble

1980'

1980'

1980'

660'

Ø 1-0

(1,760.46 AC. IN UNIT)

1980'

Danglade

T-12-S

Water Well No. 2

R-34-E

2455'

Ohio

State

State

State

So. Pet. Expl. 10

So. Pet. Expl.

H. J. Porter

11 12

Sunray - Seaboard

BEFORE EXAMINER UTZ

OIL CONSERVATION COMMISSION

*f. Seemle* EXHIBIT NO. 1

CASE NO. 1702

SCALE  
1000' 0 1000' 2000' 3000'

THIS APPLICATION FOR WELL NO. \_\_\_\_\_

REVISIONS

Date	DESCRIPTION	By	Chk.	Appr.
4-17-59	Leases			

SOUTH FOUR LAKES UNIT - NO. 1  
SEC. 35 & W 1/2 of 36, T-11-S R-34-W, NW 1/4 SEC. 1  
& SEC. 2 T-12-S R-34-E, LEA CO. NEW MEXICO

HUMBLE OIL & REFINING COMPANY  
CIVIL ENGINEERING DIVISION  
MIDLAND, TEXAS

DRAWN D. L. MCKIBBIN

CHECKED *E. T. Shahan*

APPR. \_\_\_\_\_

SCALE 1" = 1000'

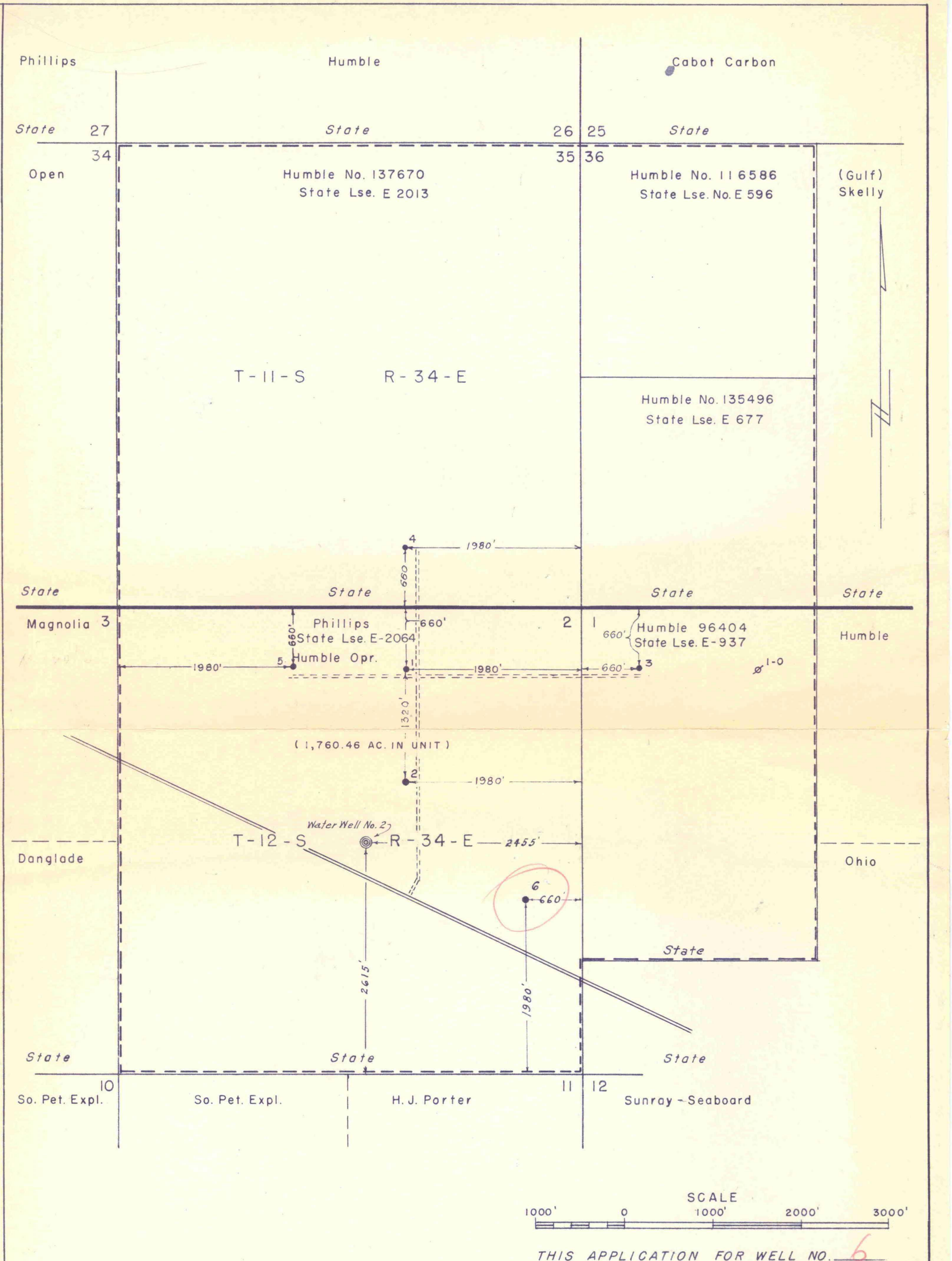
DATE 10-28-55

SHEET \_\_\_\_\_ OF \_\_\_\_\_

FILE NO.

WT-B 632





THIS APPLICATION FOR WELL NO. 6

REVISIONS				
Date	DESCRIPTION	By	Chk.	Appr.
4-17-59	Leases			

SOUTH FOUR LAKES UNIT - NO. 1  
SEC. 35 & W 1/2 of 36, T-11-S R-34-W, NW 1/4 SEC. 1  
& SEC. 2 T-12-S R-34-E, LEA CO. NEW MEXICO

HUMBLE OIL & REFINING COMPANY  
CIVIL ENGINEERING DIVISION  
MIDLAND, TEXAS

DRAWN D.L. MCKIBBIN  
CHECKED E.T. Shahan  
APPR. \_\_\_\_\_

SCALE 1" = 1000'  
DATE 10-28-55  
SHEET \_\_\_\_\_ OF \_\_\_\_\_

FILE NO.  
WT-B 632