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## NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

## WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE.

AREA 640 ACRES  
LOCATE WELL CORRECTLY

Humble Oil &amp; Refining Co.

Houston, Texas

Company or Operator

Address

N. M. State M

Well No.

6

in

NE 1/4

of Sec.

19

T.

22-5

Lease

R. 37-2

N. M. P. M.,

Arrowhead

Field,

Lea

County.

Well is 660

feet south of the North line and

1000

feet west of the East line of

Sec. 19

If State land the oil and gas lease is No.

37721

Assignment No.

If patented land the owner is

Address

If Government land the permittee is

Address

The Lessee is

Humble Oil &amp; Refining Co.

Address

Houston, Texas

Drilling commenced

3-2-44

19

Drilling was completed

3-26-44

19

Name of drilling contractor

Loffland Bros.

Address

Tulsa, Okla.

Elevation above sea level at top of casing

3411.6

feet.

The information given is to be kept confidential until

19

## OIL SANDS OR ZONES

No. 1, from

3645

to

3665

No. 4, from

to

No. 2, from

to

No. 5, from

to

No. 3, from

to

No. 6, from

to

## IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from

to

feet.

No. 2, from

to

feet.

No. 3, from

to

feet.

No. 4, from

to

feet.

## CASING RECORD

| SIZE   | WEIGHT PER FOOT | THREADS PER INCH | MAKE  | AMOUNT  | KIND OF SHOE | CUT & FILLED FROM | PERFORATED |      | PURPOSE                             |
|--------|-----------------|------------------|-------|---------|--------------|-------------------|------------|------|-------------------------------------|
|        |                 |                  |       |         |              |                   | FROM       | TO   |                                     |
| 10 3/4 | 40              | 8                | --    | 472'2"  | Tex. Pat.    |                   |            |      |                                     |
| 8 1/2" | 14              | 8                | Natl. | 3704'5" | Halliburton  |                   | 3645       | 3704 |                                     |
| 2"     | 4.7             | 8                |       | 3687    |              |                   |            |      | (177 shots spaced 3 shots per foot) |

## MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHOD USED | MUD GRAVITY | AMOUNT OF MUD USED |
|--------------|----------------|-----------|---------------------|-------------|-------------|--------------------|
| 13 3/4       | 10 3/4         | 481'6"    | 800                 | Halliburton | 10.0        | 28 tons used       |
| 7 7/8        | 5 1/2"         | 3714'     | 700                 | Halliburton | 10.0        | in well.           |

## PLUGS AND ADAPTERS

Heaving plug—Material

Length

Depth Set

Adapters—Material

Size

## RECORD OF SHOOTING OR CHEMICAL TREATMENT

| SIZE | SHELL USED | EXPLOSIVE OR CHEMICAL USED | QUANTITY | DATE    | DEPTH SHOT OR TREATED | DEPTH CLEANED OUT |
|------|------------|----------------------------|----------|---------|-----------------------|-------------------|
|      |            | Dowell IX                  | 2000 Gal | 3-21-44 | 3645-3704             |                   |

Results of shooting or chemical treatment

Swabbed well in; cleaned well into pits for 3 hrs. Shakeout 1.2 Drilling Mud. Tested at rate of 66 Bbls. per hr. or 1584 Bbls/day with 988 MCF gas. G. O. R. 585.

## RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

## TOOLS USED

Rotary tools were used from

0

feet to

3717

feet, and from

feet to

feet

Cable tools were used from

feet to

feet, and from

feet to

feet

## PRODUCTION

Put to producing

4-1

19

44

The production of the first 24 hours was

1584

barrels of fluid of which

99.8

% was oil; 0.2

% emulsion; 0.1

% water; and

0.1

% sediment. Gravity, Be

35.1

at 60 degrees

If gas well, cu. ft. per 24 hours

Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

## EMPLOYEES

J. H. McConnell

Driller

J. P. Cheers

Driller

L. S. Fuller

Driller

Driller

## FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this

8th

day of

May

19

Name

Midland, Texas

May 8, 1944

Place

Date

Position

Asst. Division Superintendent

Representing

Humble Oil &amp; Refining Co.

Company or Operator

Address

Box 1600, Midland, Texas

My Commission expires

6-1-45

Notary Public

## FORMATION RECORD

| FROM                                     | TO          | THICKNESS<br>IN FEET | FORMATION            |
|--|-------------|----------------------|----------------------|
| <b>FORMATION RECORD</b>                  |             |                      |                      |
| (Compiled from Daily Drig. Report P-868) |             |                      |                      |
| 0  | 70          |                      | Caliche              |
| 70                                       | 170         |                      | Sand & Shells        |
| 170                                      | 210         |                      | Shells & Caliche     |
| 210                                      | 342         |                      | Red Bed & Shells     |
| 342                                      | 470         |                      | Red Bed & Red Rock   |
| 470                                      | 488         |                      | Red Rock             |
| 488                                      | 575         |                      | Red Bed & Sand       |
| 575                                      | 714         |                      | Red Bed & Blue Shale |
| 714                                      | 875         |                      | Red Rock             |
| 875                                      | 910         |                      | Sand                 |
| 910                                      | 931         |                      | Red Rock             |
| 931                                      | 1150        |                      | Red Rock & Sand      |
| 1150                                     | 1460        |                      | Anhydrite            |
| 1460                                     | 2140        |                      | Anhydrite & Salt     |
| 2140                                     | 2246        |                      | Red Rock & Salt      |
| 2246                                     | 2400        |                      | Red Rock & Anhydrite |
| 2400                                     | 2710        |                      | Anhydrite            |
| 2710                                     | 2800        |                      | Brown Lime           |
| 2800                                     | 2800        |                      | (Top Yates)          |
| 2800                                     | 3340        |                      | Anhydrite & Lime     |
| 3340                                     | 3717 (T.D.) |                      | Lime                 |

GENERAL REMARKS

Drilled by: Leffland Bros. Drilling Co.  
Hobbs District Request No. 685 - Job Order RM - 686  
Pay Formation: 2445 - 2704  
Elevation top Brk. Floor 2420; Bradenhead 2411.6; Ground 2412.6  
No tools lost in hole.

CASING RUN

10 3/4" OD Set 12 Jts. at 481'6"  
(1 comb. nip. 2'5" and 1 sp. Nip. 2'7")  
5 1/2" OD set 24 Jts. set at 2714

CASING CEMENTED

10 3/4" cemented with 200 sks. cem  
5 1/2" cemented with 700 sks. cement

DRILLING DATA

|                         |         |            |         |
|-------------------------|---------|------------|---------|
| Commenced Building Rig: | 2-21-44 | Completed: | 2-23-44 |
| Commenced Rigging up:   | 2-24-44 | "          | 3-1-44  |
| Commenced Drilling:     | 3-2-44  | "          | 3-26-44 |

SET SHOES AND FLOAT COLLARS

With 10 3/4" Casing:  
" 5 1/2" "

1 - 10 3/4" Tex Pat. Set Shoe  
1 - 5 1/2" Halliburton Set Shoe &  
Float Collar

Orig & ccs: Mr. J. W. House  
cc: Well File