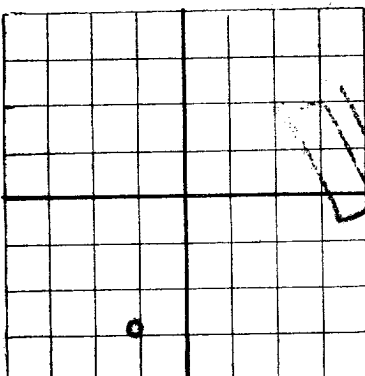
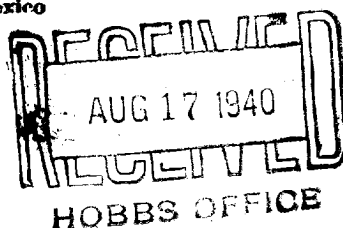


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## NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

## WELL RECORD



AREA 640 ACRES  
LOCATE WELL CORRECTLY

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.

The Texas Company

Box 2332, Houston, Texas

Company or Operator

Address

St. N. M. "D"

Well No. 3

in SE<sup>1</sup>/<sub>4</sub>-SW<sup>1</sup>/<sub>4</sub> of Sec. 27

T. 17-S

Lease

R. 34-E

North

Vacuum

Field,

Lea

County.

Well is 660 feet south of the North line and 660 feet west of the East line of the West 1/2 of Sec. 27

If State land the oil and gas lease is No. B-143 Assignment No. ---

If patented land the owner is \_\_\_\_\_ Address \_\_\_\_\_

If Government land the permittee is \_\_\_\_\_ Address \_\_\_\_\_

The Lessee is The Texas Company Address Box 2332, Houston, Texas.

Drilling commenced March 14 1940 Drilling was completed July 31 1940

Name of drilling contractor Helmerich & Payne, Inc. Address Tulsa, Oklahoma

Elevation above sea level at top of casing 4052 feet at derrick floor

The information given is to be kept confidential until \_\_\_\_\_ 19 \_\_\_\_\_

## OIL SANDS OR ZONES

No. 1, from 4625 to 4760 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 |         |
| 7-5/8" | 26.40           | 8V&SRd.          | LW         | 1625   | Baker        |                   |            |    |         |
| 5-1/2" | 14.00           | 8 Rnd            | A.O. Smith | 4076   | Baker        |                   |            |    |         |
|        |                 |                  |            |        |              |                   |            |    |         |
|        |                 |                  |            |        |              |                   |            |    |         |
|        |                 |                  |            |        |              |                   |            |    |         |
|        |                 |                  |            |        |              |                   |            |    |         |
|        |                 |                  |            |        |              |                   |            |    |         |

## MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHOD USED | MUD GRAVITY | AMOUNT OF MUD USED |
|--------------|----------------|-----------|---------------------|-------------|-------------|--------------------|
|              | 7-5/8"         | 1619'     | 200                 | Halliburton |             |                    |
|              | 5-1/2"         | 4074'     | 200                 | "           |             |                    |
|              |                |           |                     |             |             |                    |
|              |                |           |                     |             |             |                    |
|              |                |           |                     |             |             |                    |

## 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 |
|------|------------|----------------------------|----------|---------|-----------------------|-------------------|
|      |            | Acid                       | 1000gal  | 4-21-40 | 4625-4720             | 4720              |
|      |            | Nitroglycerine             | 240qts   | 4-28-40 | 4592-4720             | 4720              |
|      |            | Acid                       | 3000gal  | 5-3-40  | 4625-4760             | 4760              |
|      |            | Acid                       | 8000gal  | 5-6-40  | 4625-4760             | 4760              |

Results of shooting or chemical treatment No great improvement in well. After above treatments, well pumped 5 bbls. in 5 hrs. after standing 6 days.

## 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 4760 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## PRODUCTION

Put to producing July 31 1940  
The production of the first 24 hours was 5 barrels of fluid of which 100 % was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, Be 35  
If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. \_\_\_\_\_

## EMPLOYEES

R. H. Thompson Driller C. L. Holloway Driller  
James Frost Driller T. W. Russell 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 16

Midland, Texas 8-16-40

day of August 1940

Name \_\_\_\_\_

Position District Superintendent

Representing The Texas Company  
Company or Operator

Address Box 1270, Midland, Texas

My Commission expires 6-1-41

## FORMATION RECORD

| FROM | TO   | THICKNESS<br>IN FEET | FORMATION                                  |
|------|------|----------------------|--|
| 0    | 254  | 254                  | Caliche & Surface Sand                     |
| 254  | 1230 | 976                  | Red Beds & Shells                          |
| 1230 | 1558 | 328                  | Red Beds                                   |
| 1558 | 1870 | 312                  | Anhydrite                                  |
| 1870 | 2710 | 840                  | Salt                                       |
| 2710 | 2770 | 60                   | Anhydrite                                  |
| 2770 | 2850 | 80                   | Anhydrite & Salt                           |
| 2850 | 2890 | 40                   | Anhydrite                                  |
| 2890 | 2960 | 70                   | Anhydrite & Small Amt. of red Sandstone    |
| 2960 | 3050 | 90                   | Anhydrite                                  |
| 3050 | 3210 | 160                  | Anhydrite & Lime                           |
| 3210 | 3810 | 600                  | Anhydrite with Small Amts. of Lime & Sand  |
| 3810 | 4100 | 290                  | Predominately limestone w/little Anhydrite |
| 4100 | 4135 | 35                   | Lime                                       |
| 4135 | 4160 | 25                   | Red Sandstone                              |
| 4160 | 4220 | 60                   | Lime, Anhydrite & Red Sandstone            |
| 4220 | 4505 | 285                  | Lime with Sandstone stringers              |
| 4505 | 4590 | 85                   | Lime & Red Sandstone                       |
| 4590 | 4625 | 35                   | Lime                                       |
| 4625 | 4700 | 75                   | Lime, containing dead oil stains           |
| 4700 | 4720 | 20                   | Sandy Lime containing some oil             |
| 4720 | 4760 | 40                   | Lime Containing oil                        |
|      |      | 4760                 | Total Depth                                |

## Deviation Tests:

500' -  $1/2^{\circ}$   
 1120' -  $1^{\circ}$   
 2050' -  $0^{\circ}$   
 2500' -  $1^{\circ}$   
 3000' -  $1/2^{\circ}$   
 3627' -  $3/4^{\circ}$