

DUPLICATE

Form SG 108

N.

NEW MEXICO STATE LAND OFFICE  
SANTA FE, NEW MEXICO

DEPARTMENT OF THE STATE GEOLOGIST

WELL RECORD

Mail to State Geologist, Santa Fe, New Mexico, not more than ten days after completion of well. Indicate questionable data by following it with (?). Submit in duplicate.

Company **The Texas Company** Address **Fort Worth, Texas.**  
Send correspondence to **L. E. Barrons** Address **Box 1100, Fort Worth, Texas**  
**J. K. Rector** Well No. **1** in **1/4** sec. of Sec. **20**, T. **21 South**  
R. **20 East**, N. M. P. M., **Emilio** Oil Field **Lea** County.  
If State land the oil and gas lease is No. \_\_\_\_\_ Assignment No. \_\_\_\_\_  
If patented land the owner is **J. K. Rector** Address **San Saba, Texas.**  
The lessee is **F. E. Vosburg, but present owner of lease** ~~xxxx~~ **The Texas Company.** Address \_\_\_\_\_  
If not state or patented land, give status **Patented**  
Drilling commenced **July 22,** 19**34** Drilling was completed **September 6,** 19**34.**  
Name of drilling contractor **Oil Well Drilling Company** Address **Dallas, Texas**  
Elevation above sea level at top of casing **3621** feet.  
The information given is to be kept confidential until \_\_\_\_\_ 19\_\_\_\_

OIL SANDS OR ZONES

No. 1, from **3330** to **3340** No. 4, from **3033** to **3033**  
No. 2, from **3613** to **3619** No. 5, from **3033** to **3044**  
No. 3, from **3621** to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

CASING RECORD

| SIZE           | WEIGHT PER FOOT | THREADS PER INCH | MAKE          | AMOUNT         | KIND OF SHOE | CUT AND PULLED FROM | PERFORATED |    | PURPOSE |
|----------------|-----------------|------------------|---------------|----------------|--------------|---------------------|------------|----|---------|
|                |                 |                  |               |                |              |                     | FROM       | TO |         |
| <b>1 1/2"</b>  | <b>500</b>      |                  | <b>4p1w.</b>  | <b>200' 4"</b> |              |                     |            |    |         |
| <b>9-5/8"</b>  | <b>400</b>      |                  | <b>2 1/2"</b> | <b>202' 2"</b> |              |                     |            |    |         |
| <b>0.D.</b>    |                 |                  |               |                |              |                     |            |    |         |
| <b>7" O.D.</b> | <b>240</b>      |                  | <b>"</b>      | <b>2002'</b>   |              |                     |            |    |         |
|                |                 |                  |               |                |              |                     |            |    |         |
|                |                 |                  |               |                |              |                     |            |    |         |
|                |                 |                  |               |                |              |                     |            |    |         |
|                |                 |                  |               |                |              |                     |            |    |         |

MUDDING AND CEMENTING RECORD

| SIZE               | WHERE SET    | NO. SACKS OF CEMENT | METHODS USED       | MUD GRAVITY | AMOUNT OF MUD USED |
|--------------------|--------------|---------------------|--------------------|-------------|--------------------|
| <b>1 1/2"</b>      | <b>404'</b>  | <b>100 SACKS</b>    | <b>Balliburton</b> |             |                    |
| <b>O.D. 9-5/8"</b> | <b>3243'</b> | <b>500 "</b>        | <b>"</b>           |             |                    |
| <b>7" O.D.</b>     | <b>2002'</b> | <b>100 "</b>        | <b>"</b>           |             |                    |
|                    |              |                     |                    |             |                    |
|                    |              |                     |                    |             |                    |
|                    |              |                     |                    |             |                    |
|                    |              |                     |                    |             |                    |

PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth Set \_\_\_\_\_  
Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

SHOOTING RECORD

| SIZE | SHELL USED            | EXPLOSIVE USED | QUANTITY | DATE | DEPTH SHOT | DEPTH CLEANED OUT |
|------|-----------------------|----------------|----------|------|------------|-------------------|
|      | <b>Well not shot.</b> |                |          |      |            |                   |
|      |                       |                |          |      |            |                   |
|      |                       |                |          |      |            |                   |
|      |                       |                |          |      |            |                   |

TOOLS USED

**Surface** **2044**  
Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

PRODUCTION

**9/7/34 - Flowed 144 barrels per hour thru separator for 3 min.**  
Put to producing **9/10/34 - Flowing at rate of 130 barrels per hour.**  
The production of the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_ % was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, Be. \_\_\_\_\_  
If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. \_\_\_\_\_

EMPLOYES

**O. R. Johnson** **Red Davis** of above contractor.  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
**C. H. Pitman** **J. F. Cookston**  
\_\_\_\_\_, 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 **20th** Name **L. E. Barrons**  
day of **September**, 19**34** Position **Division Manager**  
**Mrs. J. P. Lee** **The Texas Company**  
\_\_\_\_\_, Notary Public. Representing \_\_\_\_\_  
My commission expires **May 31, 1935.** Company or Operator \_\_\_\_\_

DUPLICATE

APPROVED AS O. K.

# FORMATION RECORD

| FROM | TO   | THICKNESS<br>IN FEET | FORMATION                                   |
|------|------|----------------------|---|
| 0    | 55   | 55                   | Caliche white                               |
| 55   | 285  | 110                  | Sand  |
| 285  | 355  | 90                   | Red bed, hard                               |
| 355  | 425  | 70                   | Red bed and shells, red                     |
| 425  | 675  | 250                  | Red bed                                     |
| 675  | 675  | 200                  | Rock red                                    |
| 875  | 975  | 95                   | Sand shells and broken rock, red            |
| 970  | 1030 | 50                   | Red bed, broken                             |
| 1030 | 1030 | 40                   | Red bed and shells                          |
| 1060 | 1110 | 50                   | Rock red                                    |
| 1110 | 1192 | 82                   | Rock, shale and shells (blue shale)         |
| 1192 | 1302 | 112                  | Red bed, sticky, soft                       |
| 1302 | 1423 | 121                  | Rock and shells, red, hard                  |
| 1423 | 1485 | 62                   | Red bed and broken anhydrite                |
| 1485 | 1530 | 115                  | Anhydrite                                   |
| 1530 | 1630 | 100                  | Shale, anhydrite shells                     |
| 1630 | 1796 | 116                  | Salt and anhydrite shells                   |
| 1796 | 1858 | 62                   | Broken anhydrite                            |
| 1858 | 1955 | 97                   | Salt and anhydrite                          |
| 1955 | 2081 | 196                  | Salt, anhydrite, potash, broken             |
| 2081 | 2252 | 171                  | Shale and salt                              |
| 2252 | 2280 | 9                    | Salt  |
| 2280 | 2295 | 35                   | Anhydrite, hard                             |
| 2295 | 2315 | 20                   | Salt  |
| 2315 | 2320 | 15                   | Lime and anhyd, sandy, hard                 |
| 2320 | 2345 | 15                   | Sticky lime, salt                           |
| 2345 | 2472 | 127                  | Salt  |
| 2472 | 2563 | 91                   | Salt and anhydrite shells                   |
| 2563 | 2641 | 78                   | Anhydrite, potash and broken salt, hard     |
| 2641 | 2708 | 67                   | Anhydrite, hard                             |
| 2708 | 2788 | 80                   | Salt and anhydrite                          |
| 2788 | 2882 | 75                   | Salt, anhydrite and potash                  |
| 2882 | 2903 | 20                   | Anhydrite, hard                             |
| 2903 | 3057 | 21                   | Salt  |
| 3057 | 3172 | 144                  | Salt and potash                             |
| 3172 | 3191 | 115                  | Lime, gray hard                             |
| 3191 | 3219 | 19                   | Lime, gyp, anhydrite                        |
| 3219 | 3263 | 89                   | Gyp, anhydrite and lime                     |
| 3263 | 3292 | 44                   | Lime  |
| 3292 | 3324 | 39                   | Lime brown hard                             |
| 3324 | 3344 | 42                   | Lime, blk. gray med. Sli. showing gas 3308' |
| 3344 | 3384 | 10                   | Lime brown hard - showing gas               |
| 3384 | 3405 | 40                   | Lime, white, brown                          |
| 3405 | 3440 | 21                   | Lime, broken and gas sand                   |
| 3440 | 3457 | 35                   | Lime white hard                             |
| 3457 | 3575 | 17                   | Lime, sandy, brown hard, showing gas        |
| 3575 | 3603 | 18                   | Lime brown hard                             |
| 3603 | 3621 | 28                   | Lime, sandy, blk. Brown soft. Halliburton   |
| 3621 | 3621 | 18                   | Drill Stem Test 3643-3603', 5,700,000 Gas.  |
| 3621 | 3621 | 10                   | Lime white hard, small showing oil.         |
| 3621 | 3637 | 6                    | Lime, sandy                                 |
| 3637 | 3642 | 5                    | Lime, hard, medium                          |
| 3642 | 3686 | 44                   | Lime, sandy                                 |
| 3686 | 3690 | 4                    | Lime, gray hard                             |
| 3690 | 3747 | 4                    | Lime, sandy, soft                           |
| 3747 | 3747 | 57                   | Lime, gray, medium, hard                    |
| 3747 | 3747 | 6                    | Lime, sandy, gray med. Showing more gas.    |
| 3747 | 3747 | 6                    | Lime, sandy, gray medium                    |
| 3747 | 3778 | 3                    | Lime, gray hard                             |
| 3778 | 3798 | 20                   | Lime, sandy, hard, medium soft              |
| 3798 | 3802 | 4                    | Shale, blue hard                            |
| 3802 | 3846 | 44                   | Lime, hard                                  |
| 3846 | 3852 | 6                    | Broken lime and sand, gray soft             |
| 3852 | 3857 | 5                    | Sand, gray soft                             |
| 3857 | 3882 | 25                   | Lime, hard                                  |
| 3882 | 3902 | 16                   | Broken lime                                 |
| 3902 | 3902 | 4                    | Sandy lime, hard                            |
| 3902 | 3904 | 2                    | Lime, broken, soft                          |
| 3904 | 3916 | 12                   | Lime, hard, medium                          |
| 3916 | 3918 | 2                    | Broken, lime, sandy white, soft             |
| 3918 | 3920 | 2                    | Sand, soft                                  |
| 3920 | 3944 | 24                   | Lime, white, hard, soft. Core from 3923-39' |
| 3944 |      |                      | Light show of oil.                          |
|      |      |                      | TOTAL DEPTH                                 |