

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

### LOCATE WELL CORRECTLY

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed H. L. Johnston  
Date June 19, 1937 Title District Supt.

The summary on this page is for the condition of the well at above date.

Commenced drilling 4-21-37, 1937 Finished drilling 6-3-37, 1937

No. 1, from 3085 to \_\_\_\_\_

No. 2, from \_\_\_\_\_ to \_\_\_\_\_

No. 3, from \_\_\_\_\_ to \_\_\_\_\_

No. 4, from \_\_\_\_\_ to \_\_\_\_\_

No. 5, from \_\_\_\_\_ to \_\_\_\_\_

No. 6, from \_\_\_\_\_ to \_\_\_\_\_

No. 1, from \_\_\_\_\_ to \_\_\_\_\_

No. 2, from \_\_\_\_\_ to \_\_\_\_\_

No. 3, from \_\_\_\_\_ to \_\_\_\_\_

No. 4, from \_\_\_\_\_ to \_\_\_\_\_

| Size casing | Weight per foot | Threads per inch | Make  | Amount    | Kind of shoe        | Cut and pulled from | Perforated |     | Purpose |
|-------------|-----------------|------------------|-------|-----------|---------------------|---------------------|------------|-----|---------|
|             |                 |                  |       |           |                     |                     | From—      | To— |         |
| 3"          | 50#             | 8                | SH LW | 247' 10"  | TP                  |                     |            |     |         |
| 5/8"        | 36#             | 8                | New   | 1384' 10" | Cement guided shoe  |                     |            |     |         |
| 1 1/2"      | 6.50#           | 8                | New   | 3223' 10" | Tubing set at 3215' |                     |            |     |         |

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 3"          | 261'      | 100 sacks              | Halliburton |             |                    |
| 5/8"        | 1588'     | 425 "                  | do          |             |                    |
| "           | 3065'     | 425 "                  | do          |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |

Heaving plug—Material ----- Length ----- Depth set -----  
Adapters—Material ----- Size -----

[illegible]

Rotary tools were used from 0 feet to 3220 feet, and from feet to feet

Cable tools were used from feet to feet, and from feet to feet

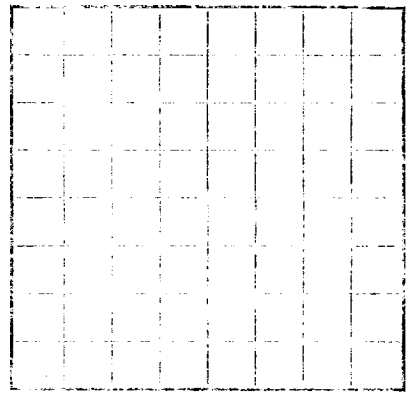
June 19, 1937 Put to producing June 16, 1937, 19  
The production for the first 24 hours was 1080 barrels of fluid of which 60 % was oil; %  
emulsion: 40 % water and % sediment. Gravity: Bé.

If gas well, cu. ft. per 24 hours ----- Gallons gasoline per 1,000 cu. ft. of gas -----

Rock pressure, lbs. per sq. in. \_\_\_\_\_

|      |      |         |           |        |         |
|------|------|---------|-----------|--------|---------|
| 5188 | 5850 | Driller | McCasland | Seston | Driller |
| 5189 | 5851 |         |           |        |         |
| 5190 | 5852 | Driller |           |        |         |
| 5191 | 5853 |         |           |        |         |
| 5192 | 5854 | Driller |           |        |         |

| FROM | TO   | TOTAL FEET | FORMATION                  |
|------|------|------------|----------------------------|
| 5090 | 5090 |            | quartzite                  |
| 5089 | 5089 |            | quartzite, sand and gravel |
| 5088 | 5088 |            | quartzite and sand         |
| 5087 | 5087 |            | quartzite and gravel       |
| 5086 | 5086 |            | quartzite and sand         |
| 5085 | 5085 |            | quartzite                  |
| 5084 | 5084 |            | sand, quartzite, gravel    |
| 5083 | 5083 |            | sand and gravel            |
| 5082 | 5082 |            | quartzite and sand         |
| 5081 | 5081 |            | quartzite                  |
| 5080 | 5080 |            | quartzite and gravel       |
| 5079 | 5079 |            | quartzite                  |
| 5078 | 5078 |            | quartzite and gravel       |
| 5077 | 5077 |            | quartzite                  |
| 5076 | 5076 |            | quartzite and gravel       |
| 5075 | 5075 |            | quartzite                  |
| 5074 | 5074 |            | quartzite and gravel       |
| 5073 | 5073 |            | quartzite                  |
| 5072 | 5072 |            | quartzite and gravel       |
| 5071 | 5071 |            | quartzite                  |
| 5070 | 5070 |            | quartzite and gravel       |
| 5069 | 5069 |            | quartzite                  |
| 5068 | 5068 |            | quartzite and gravel       |
| 5067 | 5067 |            | quartzite                  |
| 5066 | 5066 |            | quartzite and gravel       |
| 5065 | 5065 |            | quartzite                  |
| 5064 | 5064 |            | quartzite and gravel       |
| 5063 | 5063 |            | quartzite                  |
| 5062 | 5062 |            | quartzite and gravel       |
| 5061 | 5061 |            | quartzite                  |
| 5060 | 5060 |            | quartzite and gravel       |
| 5059 | 5059 |            | quartzite                  |
| 5058 | 5058 |            | quartzite and gravel       |
| 5057 | 5057 |            | quartzite                  |
| 5056 | 5056 |            | quartzite and gravel       |
| 5055 | 5055 |            | quartzite                  |
| 5054 | 5054 |            | quartzite and gravel       |
| 5053 | 5053 |            | quartzite                  |
| 5052 | 5052 |            | quartzite and gravel       |
| 5051 | 5051 |            | quartzite                  |
| 5050 | 5050 |            | quartzite and gravel       |



LOCAL WELL CORRECTLY

## LOG OF OIL OR GAS WELL

 UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 GEOLOGICAL SURVEY

Company, Continental Oil Company, Address, Box 32, Hobbs, New Mexico.  
 Owner or Trust, Hayes, 30, Field, Hobbs, New Mexico.  
 Well No., 2, Sec. 36, T. 35 N., R. 32 E., Meridian, N.M.P.M., County, Lea.  
 Location, 600 ft. from line and 1200 ft. from line of Sec. 36, T. 35 N., R. 32 E., Meridian, N.M.P.M., County, Lea.  
 The information given herewith is a complete and correct record of the well and all work done thereon as far as can be determined from all available records.  
 Signed, J. L. Johnston, Date, June 10, 1937.  
 Title, Hobbs, New Mexico.

The summary on this page is for the condition of the well at above date.  
 Commenced drilling, 1-11-37, Finished drilling, 6-3-37.

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3002 to No. 4, from 1000 to  
 No. 2, from 1000 to No. 5, from 1000 to  
 No. 3, from 1000 to No. 6, from 1000 to

## IMPORTANT WATER SANDS

No. 1, from 1000 to No. 3, from 1000 to  
 No. 2, from 1000 to No. 4, from 1000 to

## CASING RECORD

It is of the greatest importance to have a complete history of the well, please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was added or left in the well, give its size and position. If the well has been damaged, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

| Casing size, per foot | Thread, per foot | Make | Amount | Kind of shoe | Cut and pulled from | Remarks |
|-----------------------|------------------|------|--------|--------------|---------------------|---------|
| 13"                   | 2 1/2"           | 100  | 100    | 100          | 100                 | 100     |

## HISTORY OF OIL OR GAS WELL

## MUDGING AND CEMENTING RECORD

| Casing size | Thread, per foot | Number sacks of cement | Mud used | Mud gravity | Amount of mud used |
|-------------|------------------|------------------------|----------|-------------|--------------------|
| 13"         | 2 1/2"           | 100                    | 100      | 100         | 100                |

## PLUGS AND ADAPTERS

Heavy plug, Material, Length, Size, Depth set.

## SHOOTING RECORD

| Size | Depth used | Explosive used | Quantity | Date | Depth of shot |
|------|------------|----------------|----------|------|---------------|
| 13"  | 2 1/2"     | 100            | 100      | 100  | 100           |

1937. Well was acidized, but not shot.  
 and running top allowable of 85 bbls. Off daily effective June 16,  
 tubing with flow valves by gas 1000 bbls. Flowing thru 25  
 production of 45 bbls fluid per hour, 70% BSW flowing thru 25  
 flow valves and set at 3215'. Completed 6-3-37 for an initial  
 well designed to 3220'. 2 1/2" tubing was run with eight Willamson  
 hour test. 60% BSW, flowing by gas 1000 bbls. Flowing thru 25  
 after acid, tested 13 bbls fluid per hour on June 16, 1937.  
 1000 gallons by Chemical Process Co. from 3154 to 3169 using 20 bbls  
 drilled to depth of 3169 and 2 1/2" tubing set at 3165'. Acidized with 20  
 Top time pay 3085'. Well was  
 Total depth 3220' time.

| FORMATION                    | TOTAL FEET | TO  | FROM |
|------------------------------|------------|-----|------|
| Surface sand & caliche       | 25         | 175 | 25   |
| Sand & shells                | 250        | 250 | 175  |
| Hard sand                    | 280        | 280 | 250  |
| Redbed                       | 344        | 280 | 280  |
| Redbed, redrock & sand.      | 524        | 280 | 280  |
| Hard sand, redrock           | 709        | 280 | 280  |
| Sand, redrock & redbed       | 739        | 280 | 280  |
| Hard sand                    | 739        | 280 | 280  |
| Redrock & sand               | 812        | 280 | 280  |
| Redbed and redrock and sand. | 871        | 280 | 280  |
| Redbed and redrock           | 1200       | 280 | 280  |
| Redbed and redrock           | 1230       | 280 | 280  |
| Anhydrite                    | 1245       | 280 | 280  |
| Anhydrite and redbed         | 1307       | 280 | 280  |
| Anhydrite                    | 1307       | 280 | 280  |
| Broken anhydrite & salt      | 1475       | 280 | 280  |
| Salt and redrock             | 1509       | 280 | 280  |
| Salt, anhydrite & redrock    | 1573       | 280 | 280  |
| Anhydrite                    | 1597       | 280 | 280  |
| Anhydrite and salt           | 1740       | 280 | 280  |
| Anhydrite and redrock        | 1760       | 280 | 280  |
| Anhydrite and salt           | 1986       | 280 | 280  |
| Anhydrite, salt and potash   | 2060       | 280 | 280  |
| Anhydrite                    | 2080       | 280 | 280  |
| Salt                         | 2090       | 280 | 280  |
| Anhydrite, salt and potash   | 2106       | 280 | 280  |
| FORMATION, REFINED           | 2125       | 280 | 280  |
| Anhydrite                    | 2125       | 280 | 280  |
| Anhydrite                    | 2685       | 280 | 280  |
| Driller                      | 2788       | 280 | 280  |
| Driller                      | 2820       | 280 | 280  |
| Driller                      | 2983       | 280 | 280  |
| Driller                      | 3005       | 280 | 280  |
| Dolomite & lime              | 3220       | 280 | 280  |