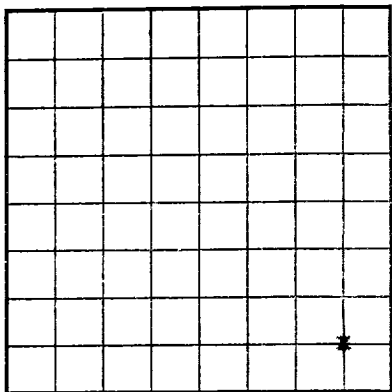


U. S. LAND OFFICE Las Cruces

SERIAL NUMBER 031741 (b)

LEASE Oil and Gas Prospect

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Continental Oil Company Address Box CC, Hobbs, New Mexico  
Lessor or Tract A. C. Hawk 3-8 Field Drinkard State New Mexico  
Well No. 1 Sec. 8 T. 21S R. 37E Meridian N.M.P.M. County Lea  
Location 660 ft. <sup>{N.}</sup><sub>S.</sub> of 3 Line and 660 ft. <sup>{E.}</sup><sub>W.</sub> of 2 Line of Sec. 8-21S-37E Elevation 3514' <sup>DF</sup>  
(Derrick floor relative to sea level)

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 E. L. Shaffer

Date January 25, 1950 Title District Superintendent  
The summary on this page is for the condition of the well at above date.

Commenced drilling November 12, 1949 Finished drilling December 19, 1949

OIL OR GAS SANDS OR ZONES  
(Denote gas by G)

No. 1, from 6629' to 6726' No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ 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 casing | Weight per foot | Threads per inch | Make | Amount | Kind of shoe | Cut and pulled from | Perforated |     | Purpose |
|-------------|-----------------|------------------|------|--------|--------------|---------------------|------------|-----|---------|
|             |                 |                  |      |        |              |                     | From—      | To— |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |

MUDDING AND CEMENTING RECORD

| Size casing   | Where set    | Number sacks of cement | Method used    | Mud gravity | Amount of mud used |
|---------------|--------------|------------------------|----------------|-------------|--------------------|
| <u>13-3/8</u> | <u>229'</u>  | <u>250</u>             | <u>HWC Co.</u> |             |                    |
| <u>9-5/8</u>  | <u>2818'</u> | <u>1100</u>            | <u>HWC Co.</u> |             |                    |
| <u>7</u>      | <u>6753'</u> | <u>625</u>             | <u>HWC Co.</u> |             |                    |

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 |
|------|------------|----------------|----------|------|------------|-------------------|
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |

TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to 6758 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

\_\_\_\_\_, 19\_\_\_\_ Put to producing \_\_\_\_\_, 19\_\_\_\_  
The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_ % was oil; \_\_\_\_\_ %  
emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, °Be. 100  
If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas 39 degrees  
Rock pressure, lbs. per sq. in. \_\_\_\_\_

EMPLOYEES

\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
Claude Peyton, Driller E. A. LaSalle, Driller  
J. G. Whitley

FORMATION RECORD

| FROM—       | TO—         | TOTAL FEET  | FORMATION                           |
|-------------|-------------|-------------|-------------------------------------|
| <u>0</u>    | <u>100</u>  | <u>100</u>  | <u>Caliche and sand</u>             |
| <u>100</u>  | <u>234</u>  | <u>134</u>  | <u>Shells and redbed</u>            |
| <u>234</u>  | <u>1435</u> | <u>1201</u> | <u>Redbed and shells</u>            |
| <u>1435</u> | <u>1458</u> | <u>23</u>   | <u>Anhydrite, shells and redbed</u> |
| <u>1458</u> | <u>2565</u> | <u>1107</u> | <u>Anhydrite and salt</u>           |
| <u>2565</u> | <u>2820</u> | <u>255</u>  | <u>Anhydrite</u>                    |
| <u>2820</u> | <u>3276</u> | <u>456</u>  | <u>Anhydrite and lime</u>           |
| <u>3276</u> | <u>3356</u> | <u>80</u>   | <u>Lime</u>                         |
| <u>3356</u> | <u>3673</u> | <u>317</u>  | <u>Anhydrite and lime</u>           |
| <u>3673</u> | <u>6758</u> | <u>3085</u> | <u>Lime</u>                         |

**FORMATION RECORD—Continued**

| FROM- | TO-  | TOTAL FEET | FORMATION |
|-------|------|------------|-----------|
| 6629  | 6630 | 1          | 6629-6630 |
| 6630  | 6632 | 2          | 6630-6632 |
| 6632  | 6634 | 2          | 6632-6634 |
| 6634  | 6636 | 2          | 6634-6636 |
| 6636  | 6638 | 2          | 6636-6638 |
| 6638  | 6640 | 2          | 6638-6640 |
| 6640  | 6642 | 2          | 6640-6642 |
| 6642  | 6644 | 2          | 6642-6644 |
| 6644  | 6646 | 2          | 6644-6646 |
| 6646  | 6648 | 2          | 6646-6648 |
| 6648  | 6650 | 2          | 6648-6650 |
| 6650  | 6652 | 2          | 6650-6652 |
| 6652  | 6654 | 2          | 6652-6654 |
| 6654  | 6656 | 2          | 6654-6656 |
| 6656  | 6658 | 2          | 6656-6658 |
| 6658  | 6660 | 2          | 6658-6660 |
| 6660  | 6662 | 2          | 6660-6662 |
| 6662  | 6664 | 2          | 6662-6664 |
| 6664  | 6666 | 2          | 6664-6666 |
| 6666  | 6668 | 2          | 6666-6668 |
| 6668  | 6670 | 2          | 6668-6670 |
| 6670  | 6672 | 2          | 6670-6672 |
| 6672  | 6674 | 2          | 6672-6674 |
| 6674  | 6676 | 2          | 6674-6676 |
| 6676  | 6678 | 2          | 6676-6678 |
| 6678  | 6680 | 2          | 6678-6680 |
| 6680  | 6682 | 2          | 6680-6682 |
| 6682  | 6684 | 2          | 6682-6684 |
| 6684  | 6686 | 2          | 6684-6686 |
| 6686  | 6688 | 2          | 6686-6688 |
| 6688  | 6690 | 2          | 6688-6690 |
| 6690  | 6692 | 2          | 6690-6692 |
| 6692  | 6694 |            |           |

Well was drilled to total depth of 6758', plugged back to 6748' in Line.  
Well was not shot.  
Well was acidized with 1,000 gallons.  
Casing was perforated with jet shots 6630-6642' with 48 shots, 6647-6654' with 28 shots, 6658-6668' with 40 shots, 6672-6690' with 72 shots, 6700-6708' with 32 shots.  
Completed for initial potential of 552 barrels oil, no water, in 24 hours, based on 6-hour tank of 138 barrels oil, no water, flowing through 1" choke on 2-1/2 tubing, with 596.9 MCF gas, gas-oil ratio 1081, casing pressure 275#, tubing pressure 20#.  
Pay: Drinkard from 6629' to 6726'.  
Gravity of Oil: 39 degrees  
Pipe Line Connection: Texas-New Mexico Pipe Line Company  
Derrick floor: 10' above ground  
Date total depth reached: 12-19-49  
Date completion test: 12-28-49

DF  
Hobbs, N.M.  
1-25-50

Copies to: Orig & 2 - U.S.G.S. - Hobbs -  
N.M.O.C.C. - Hobbs - 3 -  
HJL H M Stanolind-Hobbs-4 District Foreman File  
Atlantic-Midland  
Standard-of-Texas - Midland

SHOOTING RECORD

BEFORE AND AFTER

### HISTORY OF OIL OR GAS WELL

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 "sidetracked" or left in the well, give its size and location. If the well has been dynamited, 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.