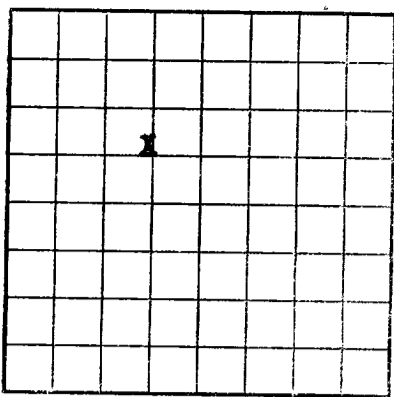


U. S. LAND OFFICE Las Cruces  
SERIAL NUMBER 031741 (b)  
LEASE OR PERMIT TO PROSPECT Lease



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Continental Oil Company Address Box 427, Hobbs, New Mexico  
Lessor or Tract W. C. Hawk B-10 Field Hare State New Mexico  
Well No. 3-8 Sec. 2 T. 21S R. 37E Meridian N.M.P.M. County Lea  
Location 2310 ft. N. of N. Line and 2310 ft. E. of W. Line of Sec. 3 Elevation 3463  
(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 [Signature]  
Date October 27, 1952 Title District Superintendent

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

Commenced drilling June 10, 1952 Finished drilling July 29, 1952

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 7635 to 7894 No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 8032 to 8068 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--       |         |
| 13 3/8"     | 48#             | 8                |      | 250'   | Guide                  |                     |            |            |         |
| 9 5/8"      | 36#             | 8                |      | 501'   |                        |                     |            |            |         |
| 9 5/8"      | 40#             | 8                |      | 2664'  | Guide and float collar |                     |            |            |         |
| 7 1/2"      | 23#             | 8                |      | 7173'  |                        |                     |            |            |         |
| 7"          | 26#             | 8                |      | 869'   | Guide and float collar | 7656                | 7894       | Production |         |
|             |                 |                  |      |        |                        | 8032                | 8068       | Production |         |

MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 13 3/8"     | 251'      | 260                    | Pump & plug |             |                    |
| 9 5/8"      | 3149'     | 1675                   | Pump & plug |             |                    |
| 7"          | 8074'     | 1118                   | Pump & plug |             |                    |

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 0 feet to 8075 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

Put to producing August 4, 1952

The production for the first 24 hours was 936 barrels of fluid of which 100 % was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, °Bé. 45.0

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

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

EMPLOYEES

Jack Hewitt, Driller J. H. Williams, Driller  
O. A. Britton, Driller \_\_\_\_\_, Driller

FORMATION RECORD

| FROM— | TO—         | TOTAL FEET | FORMATION                         |
|-------|-------------|------------|-----------------------------------|
| 0     | 1340        | 1340       | Redbed                            |
| 1340  | 1450        | 110        | Anhydrite and red shale           |
| 1450  | 2130        | 980        | Salt                              |
| 2130  | 2840        | 410        | Anhydrite and red shale           |
| 2840  | 3100        | 260        | Dolomite, anhydrite and red shale |
| 3100  | 5000        | 1900       | Anhydrite and red shale           |
| 5000  | 5640        | 640        | Lime                              |
| 5640  | 6710        | 1070       | Dolomite                          |
| 6710  | 7480        | 770        | Lime and dolomite                 |
| 7480  | 8000        | 520        | Sand and shale                    |
| 8000  | 8075        | 75         | Lime, shale and sand              |
| 8075  | TOTAL DEPTH |            |                                   |

DST #1 from 7420' to 7634'. Tool open 2 hours, fair blow air throughout, recovered 150' mud.

DST #2 from 7724' to 7794'. Tool open one hour and 34 minutes, gas in 4 minutes, fluid in 25 minutes, on one hour test flowed 46 barrels oil, no water with 613 MCF gas.

Set 7" casing at 8074' and drilled out cement plug to 8070'. Perforated: 7656'-7716'; 7726'-7784'; 7794'-7828'; 7850'-7894'; and 8032'-8068'. Completed for initial potential of 936 barrels oil, no water, per day, based on 6 hour test of 234 barrels oil flowing through 3/4" choke. GOR 813. T.P. 200#.

FOLD MARK

