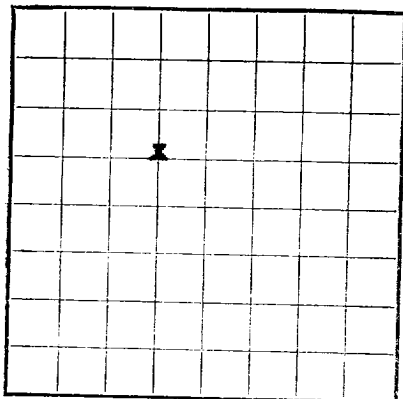


U. S. LAND OFFICE **Las Cruces**  
SERIAL NUMBER **LC 062749 b**  
LEASE OR PERMIT TO PROSPECT **Lease**

LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company **Continental Oil Company** Address **Box 58, Sunice, New Mexico**  
Lessor or Tract **Thompson Federal 19** Field **Mason Delaware** State **New Mexico**  
Well No. **2** Sec. **19** T. **26** R. **32** Meridian **104°N** County **Lea**  
Location **1980** ft. **N** of **N** Line and **1980** ft. **E** of **E** Line of **Sec 19** Elevation **3195**  
(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 \_\_\_\_\_  
Date **9-14-56** Title **District Superintendent**

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

Commenced drilling **7-27**, 19 **56** Finished drilling **8-6**, 19 **56**OIL OR GAS SANDS OR ZONES  
(Denote gas by G)No. 1, from **4303** to **4307** 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— |            |
| 8 5/8       | 24              | 8                | J-55 | 1016   | Guide, float |                     |            |     |            |
| 5 1/2       | 14              | 8                | J-55 | 4324   | Guide, float | 4303                | 4307       |     | production |
|             |                 |                  |      |        |              |                     |            |     |            |
|             |                 |                  |      |        |              |                     |            |     |            |
|             |                 |                  |      |        |              |                     |            |     |            |
|             |                 |                  |      |        |              |                     |            |     |            |
|             |                 |                  |      |        |              |                     |            |     |            |
|             |                 |                  |      |        |              |                     |            |     |            |
|             |                 |                  |      |        |              |                     |            |     |            |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 8 5/8       | 1014      | 350                    | pump & plug |             |                    |
| 5 1/2       | 4320      | 350                    | 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 \_\_\_\_\_ feet to **4321** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

\_\_\_\_\_, 19 \_\_\_\_\_ Put to producing **9-14**, 19 **56**The production for the first 24 hours was **116** barrels of fluid of which **47** % was oil; \_\_\_\_\_ %  
emulsion; **53** % 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. \_\_\_\_\_

## EMPLOYEES

**L. A. Mainwater**, Driller **E. A. Downs**, Driller  
**C. A. Grant**, Driller \_\_\_\_\_, Driller

## FORMATION RECORD

| FROM— | TO—  | TOTAL FEET | FORMATION       |
|-------|------|------------|-----------------|
| 0     | 1477 | 1477       | bedded, sand    |
| 1477  | 4213 | 2736       | salt, anhydrite |
| 4213  | 4256 | 43         | shale, fine     |
| 4256  | 4321 | 65         | sand            |

Core #1 4296-4321', cored 25', rec 27'. 4296-4304.8' ss, s, fgr, fgr, sh, w/many thin shale laminations, fair to good odor, streaked fluor to 4302'. Solid yellow-white fluor from 4302-4304.8'. 4304.8-4309.9' ss, s, fgr, friable, w/good odor, solid fluor. 4309.9-4310.4' ss, s, fgr, friable, w/thin shale streaks, fair to good odor, streaked fluor. 4310.4'-4311' ss, s, fgr, friable, w/good odor, solid fluor. 4311.3-4318' ss, s, fgr, friable w/good odor, solid fluor from 4311.3 to 4314'. 4311-4311.3' ss, s, fgr, w/thin shale laminations, fair odor, streaked fluor. Splochy fluor from 4314' to 4316'. Solid fluor from 4316' to 4318'.

To Sand 4321', 200 4316', 18 10', elev 3195'. Lay Delaware Sand 4303-07'. Casing point 5 1/2" set at 4320'. Perf 4303-07'. If pumped 54 bbls 41° gravity oil, 62 bbls water in 24 hrs. Daily potential 54 bbls oil. Gas 1.27M. Estimated daily allowable 48 bbls oil. Sandfraced w/10000 sand, 1000 gals lease crude, w/0.1 adomite per gal. S. L. conn: The Illinois Pipe Line Co of Texas. Drilling started 7-27-56, completed 8-6-56, rig released 8-11-56, tested 9-14-56. Logs: Austler anhydrite 1360', base salt 4038', Delaware lime 4251', Delaware sand 4296', correlation point. Cactus rig Co, contractor. Tops by 1/4 survey.

