

Sec. 22

U. S. LAND OFFICE Consolidated Ute

SERIAL NUMBER #14-20-604-83

LEASE OR PERMIT TO PROSPECT

Ute Mountain

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

MAR 21 1960

U. S. GEOLOGICAL SURVEY  
DURANGO, COLO.

## LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Socony Mobil Oil Co., Inc. Address Box 2406, Hobbs, New MexicoLessor or Tract Ute Mountain Field Verde Gallup State New MexicoWell No. 10 Sec. 22 T. 31N R. 14W Meridian NMPM County San JuanLocation 1980 ft. N. of S. Line and 1980 ft. E. of W. Line of Sec. 22 Elevation 5671 (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 March 14, 1960Title District Superintendent

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

Commenced drilling 11-12, 1959 Finished drilling 11-22, 1959

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2874 to 3000 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       | 29              | 8                | Line Pipe     | 97     |              |                     |            |      | Surface string |
| 5 1/2       | 24              | 8                | Jug           | 2850   |              |                     |            |      | Int. string    |
| 4 1/2       | 16              | 8                | Slotted liner | 167    |              |                     | 2874       | 3000 | Liner          |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 8 5/8       | 100       | 30                     | Pump & plug |             |                    |
| 5 1/2       | 2860      | 235                    | Pump & plug |             |                    |
| 4 1/2       | 3000      | None                   |             |             |                    |

## 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 \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

\_\_\_\_\_ 1960 Put to producing \_\_\_\_\_ 1960The production for the first 24 hours was 10 barrels of fluid of which 100 % was oil; \_\_\_\_\_ %emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, °Bé. 40.5

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

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

## EMPLOYEES

\_\_\_\_\_, Driller \_\_\_\_\_, Driller

\_\_\_\_\_, Driller \_\_\_\_\_, Driller

## FORMATION RECORD

| FROM— | TO—  | TOTAL FEET | FORMATION        |
|-------|------|------------|------------------|
| 603   | 1300 | 697        | Monofee          |
| 1300  | 1639 | 339        | Point Lookout    |
| 1639  | 2086 | 447        | Mancus           |
| 2086  | 2653 | 567        | Siltstone marker |
| 2653  | 2853 | 200        | Gallup           |
| 2853  | 3000 | 147        | Lower Gallup     |

## PERFORATIONS

Ran 167' of 4 1/2" liner perforated from 2874-3000'.

## ACIDIZING

Oil frac perf 2874-3000 w/30,000 gals lse crude. Break down 400#, or 300-200#.

Inj rate 18 BPM. 5 min SIP 75#. Flow 97 BLO in 1 hr. Swab 20 BLO 1 hr.

**FORMATION RECORD—Continued**

[illegible]

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 size, 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.

## HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

SUMMARY OF OPERATIONS

11-12-59 Commenced drilling (spud date)  
11-13-59 Set 8 5/8" csg @ 108' cem w/80 sks 2% Cacl<sub>2</sub>.  
11-14-59 Tested 8 5/8" csg w/800# 30 mins, OK.  
11-21-59 Schlumberger ran Electrical log to 2709'.  
11-22-59 Set 5 1/2" csg @ 2860' cem w/200 sks 8% Gel + 2# Flocele/sk + 35 sks neat.  
11-24-59 Bailed hole dry, tested 1 hr. Hole remained dry.  
11-27-59 Schlumberger ran Induction log & Sonic log to 3003'.  
11-27-59 Set 167' of 4 1/2" liner (slotted 2874-3000) @ 3000' & oil frac w/30,000  
gals lse crude.  
11-29-59 Ran rods & pump.  
11-29-59  
thru  
3-3-60 Recovering load oil  
3-4-60 Potential test completed.

$$x = \frac{1}{2} \left( \frac{1}{2} + \frac{1}{2} \right) = \frac{1}{2} \quad \text{and} \quad y = \frac{1}{2} \left( \frac{1}{2} + \frac{1}{2} \right) = \frac{1}{2}$$