

Form 9-330

Sec. 21

INDIAN LANDS

U. S. LAND OFFICE

Consolidated Ute  
SERIAL NUMBER 11-20-604-83

LEASE OR PERMIT TO PROSPECT  
Ute Mountain

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Soco Mobil Oil Company, Inc. Address Box 2406, Hobbs, New Mexico  
Lessor or Tract Ute Mountain Field Verde Gallup State New Mexico  
Well No. 8 Sec. 21 31N 44W Meridian N.M.P.M. County San Juan  
Location 1980 ft. N. of 8 Line and 660 ft. E. of E Line of Sec. 21 Elevation 5617  
(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 NOV 11 1959 Title District Superintendent

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

Commenced drilling October 2, 59 Finished drilling October 20, 59

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2822 to 2904 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       | 28              | 8                | Line Pipe | 101    |              |                     |            |      | 24" casing        |
| 5-1/2       | 11              | 8                | Line Pipe | 2765   |              |                     |            |      | Intermediate str. |
| 4-1/2       | 10.79           | 10               | Line Pipe | 161    |              |                     | 2822       | 2904 | liner             |

MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 8-5/8       | 118       | 100                    | Pump & Plug |             |                    |
| 5-1/2       | 2765      | 250                    | Pump & plug |             |                    |
| 4-1/2       | 2904      | 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 0 feet to 2765 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from 2765 feet to 2904 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

\_\_\_\_\_, 19\_\_\_\_ Put to producing October 27, 59

The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_% was oil; \_\_\_\_\_%  
emulsion; \_\_\_\_\_% 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. \_\_\_\_\_

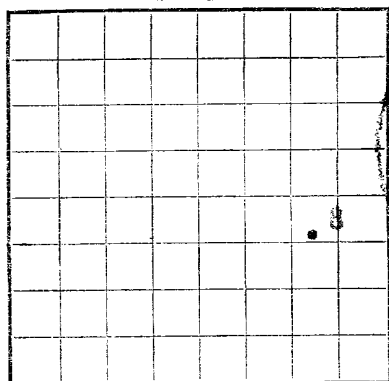
EMPLOYEES

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

FORMATION RECORD

| FROM—                                                                                                                                                                     | TO—          | TOTAL FEET | FORMATION |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------|-----------|
| POTENTIAL TEST                                                                                                                                                            |              |            |           |
| N.M.O.C.C. potential test completed 10-28-59. Pumped 101 BNO 24 hrs., 13-40" SPM.<br>6# 1/4" plate, gas 19.46 Mcf, GOR 193-1, Gty. 40.8° @ 60, 2/10 BS&W. Allow. 53 BOPD. |              |            |           |
| FORMATION SUMMARY                                                                                                                                                         |              |            |           |
| Formation                                                                                                                                                                 | Top; by Logs |            |           |
| Menafee                                                                                                                                                                   | 507'         |            |           |
| Point Lookout                                                                                                                                                             | 1211'        |            |           |
| Mancos                                                                                                                                                                    | 1549'        |            |           |
| Gallup                                                                                                                                                                    | 2555'        |            |           |
| Lower Gallup                                                                                                                                                              | 2727' est.   |            |           |
| PERFORATIONS                                                                                                                                                              |              |            |           |
| 4-1/2 " Liner (8 Jts., bottom 82' perf. w/2-3/8" HPF 2822-2904) Top Liner @ 2743'.                                                                                        |              |            |           |
| ACIDIZING                                                                                                                                                                 |              |            |           |
| 10-21-59 Dowell frac w/30000 gals lease crude, break down 500#, fr 800#-200#, 5 min.<br>SI Vac., Av. Inj. 26.3 BPM.                                                       |              |            |           |





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DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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(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 M. Young, Jr.Date Nov 11 1959 Title District Superintendent

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| 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 wt            | 8                | Line pipe | 107    |              |                     |            |     | Oil string      |
| 5-1/2 11    | 8 wt            | 8                | 5-55      | 2755   |              |                     |            |     | Intermed. strg. |
| 4-1/2 10.79 | 10 wt           | 10               | TJ Liner  | 161    |              | 2822                | 2904       |     | Liner           |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
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## PLUGS AND ADAPTERS

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

## POTENTIAL TEST

N.M.O.C.C. potential test completed 10-28-59. Pumped 101 B-0 24 hrs., 13-40" SPH.  
6# 1/4" plate, gas 19.16 Mcf, GOR 193-1, Gty. 40.8 @ 60, 2/10 BSW. Allow. 53 BOPD.

## FORMATION SUMMARY

| Formation     | Top; by Logs |
|---------------|--------------|
| Menafee       | 507'         |
| Point Lookout | 1211'        |
| Mancos        | 1549'        |
| Gallup        | 2555'        |
| Lower Gallup  | 2727' est.   |

## PERFORATIONS

4-1/2" Liner (8 Jts., bottom 82' perf. w/2-3/8" HPF 2822-2904) Top Liner @ 2743'.

## ACIDIZING

10-21-59 Dowell free w/30000 gals lease crude, break down 500#, fr 300#-200#, 5 min.  
SI Vac., avl. inj. 26.3 BPM.

(OVER)



LOG OF OIL OR GAS WELL

SUMMARY

10- 2-59 Commenced drilling operations (spud date).  
10- 3-59 Ran 8-5/8" casing  
10- 6-59 Fished & Recovered 1 6-1/2" drill collar + 7-7/8" bit.  
10-12-59 Schlumberger ran E.S. logs, lost 100% circ. @ 2694, partially restored.  
10-13-59 Fished & recovered 2 6-1/2" drill collars + 7-7/8" bit.  
10-14-59 Ran 5-1/2" csg. & B&R Service, Inc. ran Temp. Survey.  
10-14-59 Released Rig.  
10-15-59 Moved in & rig up J. P. "Bum" Gibbins cable tools.  
10-20-59 Completed drilling to 2904 TD.  
10-21-59 Schlumberger ran G.R. & Sonic  
10-21-59 Ran 4-1/2" liner  
10-21-59 Dowell frac w/30000 gals lease crude.  
10-22-59 Ran 2" tubing, rods & pumps. Installed pump unit. Released rig.  
10-28-59 Potential completed.