



U. S. LAND OFFICE Hearville  
SERIAL NUMBER Contract # 39  
Co. LEASE OR PERMIT TO PRODUCE 149112

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

RECEIVED  
PRIOR JUN 21 1956  
U. S. GEOLOGICAL SURVEY  
FARMINGTON, NEW MEXICO

[illegible]

# LOG OF OIL OR GAS WELL

Company Humble Oil & Refining Company Address Box 1266, Farmington, N. M.  
 Lessor or Tract Jicarilla Ap. Tr. Ind. "C" Field So. Blanco Pictured Cliffs State New Mexico  
 Well No. 3 Sec. 34 T. 24N R. 5W Meridian - County Rio Arriba  
 Location 990 ft. N. of S Line and 990 ft. E. of W Line of Section 34 Elevation 6971  
 (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 Russell M. Tilly  
 Date June 19, 1950 Russell M. Tilly  
 NEIT Incorporated as title

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

Commenced drilling **May 30,** 19**56** Finished drilling **June 13,** 19**56**

**OIL OR GAS SANDS OR ZONES**

No. 1, from G 2287 to 2320 No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_  
 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              | 82               | CP&I | 146    | Baker        |                     |            |     |         |
| 4-1/2"      | 11              | 82               | CP&I | 1376   | Halliburton  |                     |            |     |         |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 8-5/8       | 157       | 150                    | Pumped      | 9.0#        |                    |
| 4-1/2"      | 2305      | 275                    | Pumped      | 9.2#        |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |

## 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 |
|------|------------|----------------|----------|------|------------|-------------------|
|      |            | None           |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |

## TOOLS USED

Rotary tools were used from 0 feet to 2365 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

DATE June 13, 1956 Put to producing Shut in - no pipe line  
connections, 19\_\_\_\_  
 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 3,415,000 Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. ~~740~~ **S.I. Surface Pr.**

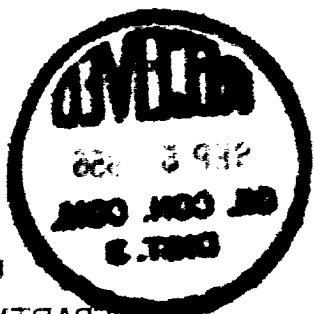
## EMPLOYEES

Mr. E. L. Martin, Driller  
 N. E. Wayman, Driller  
 F. A. Sample, Driller

## FORMATION RECORD

| FROM— | TO—     | TOTAL FEET | FORMATION          |
|-------|---------|------------|--------------------|
| 0     | 167     | 167        | Sand               |
| 167   | 2280    | 2113       | Sand & shale       |
| 2280  | 2330    | 50         | Sand, shale & coal |
| 2330  | 2385 TD | 55         | Sand & shale       |

**Top of Pictured Cliffs at 2287'**



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF GEOLOGICAL SURVEY  
WASHINGTON, D. C.

[illegible]

Set 146, 8-5/8" casing at 1571' w/ 150 lbs. neat cement w/ 3% calcium chloride. No. 8 from 1571 to 1572, and recovered 521' of grey fine-grained sandstone w/ flakes of carbonaceous material, 4' black shale & coal, 47' light grey fine-grained sandstone, slight porosity, very little gas odor, few thin black shale streaks in bottom 15'.

Set 2376, 4-1/2" casing at 2385' w/ 175 lbs. 10% gel and 100 lbs. neat cement. No. 1 from 2385 to 2390

Perforated 4-1/2" casing from 2287' to 2291' w/ 6 McCallough bullet shots per foot. (Shot and w/ 6) No. 1 from 2287 to 2300

HOECO squares w/ 33,500 gal. water, 4,500 lbs. BD, 1/2" & overlash, and with 35,000# sand. HO pr. 2200', SI pr. 900' after 5 minutes. Completed drilling May 30, 1956

Set 2257, 2" tubing and 22" washed well down. Well picked off.

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

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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 plugs or charges were placed in the test log water, state kind of material used, position, and results of dynamiting or burning on

## HISTORY OF OIL OR GAS WELL

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**FORMATION RECORD—Continued**