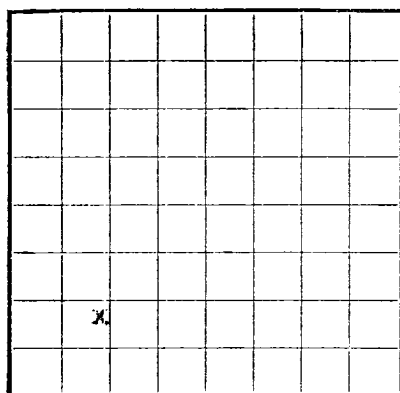


Approval expires 12-31-35.  
District \_\_\_\_\_  
U.S. LAND OFFICE Jicarilla Tribal  
Contract NUMBER 12  
Project PERMIT TO PROSPECT 20



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

# LOG OF OIL OR GAS WELL

Company J. J. Harris Address 511 Eldred Street Drive No. 14  
 Lessor or Tract Jicarilla Field Wildcat State New Mexico  
 Well No. 4 Sec. 21 T. 24N R. 5W Meridian 10N County San Arriba  
 Location 20 ft. N. of Line and 1650 ft. E. of Line of Sec. 21 Elevation 6723  
 (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 Jay J. Harris

Date April 23, 1965 Title Inspector

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

Commenced drilling ~~April 28~~-----, 1955      Finished drilling ~~April 30~~-----, 1955

## OIL OR GAS SANDS OR ZONES

(Denote gas by  $G$ )

No. 1, from 1370 to 22-19-G 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— |         |
| 5 1/2 in    | 44              | 8                | 4-55 | 10     | 1 1/2 in     | 1 1/2 in            |            |     | 5       |
| 5 1/2 in    | 44              | 8                | 4-55 | 10     | 1 1/2 in     | 1 1/2 in            |            |     | 5       |

## MUDDING AND CEMENTING RECORD

[illegible]

## 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 |
|------|---------------|----------------|-------------|------|------------|-------------------|
|      | Sand-oil frac |                | See reverse |      |            |                   |

## 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

Comp: 4-4 1955 Put to producing \_\_\_\_\_, 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 \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. \_\_\_\_\_ 1009

## EMPLOYEES

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

Total Drilling Company \_\_\_\_\_ Driller \_\_\_\_\_ Driller \_\_\_\_\_

## FORMATION RECORD

| FROM— | TO—  | TOTAL FEET | FORMATION                         |
|-------|------|------------|-----------------------------------|
| 0     | 130  | 130        | Shale                             |
| 130   | 170  | 40         | Sand (inter possibly)             |
| 170   | 350  | 180        | Shale                             |
| 350   | 360  | 10         | Sand                              |
| 360   | 875  | 515        | Shale                             |
| 875   | 990  | 115        | Sand                              |
| 990   | 1060 | 70         | Shale                             |
| 1060  | 1100 | 40         | Sand                              |
| 1100  | 1410 | 310        | Shale                             |
| 1410  | 1680 | 270        | Sand                              |
| 1680  | 1740 | 60         | Shale                             |
| 1740  | 1770 | 30         | Sand                              |
| 1770  | 1850 | 80         | Shale                             |
| 1850  | 2125 | 275        | Sand                              |
| 2125  | 2365 | 240        | Shale with coal and sand stringer |
| 2365  | 2375 | 10         | Sand-Pictured Cliffs              |

[OVER]

18-42004-2

