

LOCATE WELL CORRECTLY

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 048741-B
LEASE OR PERMIT TO PROSPECT
Co. #61313-4
Federal Louis C. Popeano

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Humble Oil & Refining Company Address Box 2347, Hobbs, New Mexico
Lessor or Tract Federal Louis C. Popeano Field Arment State New Mexico
Well No. 7 Sec. 35 T. 20-S-36-E Meridian N.M.P.M. County Lea

Location 1960 ft. [S.] of N Line and 2310 ft. [E.] of E Line of Section 35 Elevation 3598
(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 R.M. Hill Title Agent
Date June 23, 1955

The summary on this page is for the condition of the well at above date.
Commenced drilling May 31, 1955 Finished drilling May 31, 1955

OIL OR GAS SANDS OR ZONES
(Denote gas by G)
No. 1, from 1960 to 1960
No. 2, from 1960 to 1960
No. 3, from 1960 to 1960
No. 4, from 1960 to 1960
No. 5, from 1960 to 1960
No. 6, from 1960 to 1960
IMPORTANT WATER SANDS
No. 1, from 1960 to 1960
No. 2, from 1960 to 1960
No. 3, from 1960 to 1960
No. 4, from 1960 to 1960

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 | Dom. | 294.87 | Tex. Pat. | | 3790 | 3808 | Surface Production |
| 5-1/2 | 24 | 8 | Dom. | 3948.30 | Miller | | | | |

MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 8-5/8 | 308.87 | 300 | Pump & plug | Water | |
| 5-1/2 | 3960.00 | 1525 | " | 10.8 | |

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 |
|--|------------|----------------|----------|------|------------|-------------------|
| For acidizing and fracturing record see "Well History" on opposite side. | | | | | | |

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
Put to producing _____ June 14, 1955
The production for the first 24 hours was _____ 212.4 barrels of fluid of which _____ 100% was oil; _____ % emulsion; _____ % water; and _____ % sediment.
If gas well, cu. ft. per 24 hours _____ Gravity, °Bé. _____ 36°
Rock pressure, lbs. per sq. in. _____ 465 Gallons gasoline per 1,000 cu. ft. of gas _____

EMPLOYEES
H. C. Cooper, Driller
C. L. Edwards, Driller
S. H. Breland, Driller

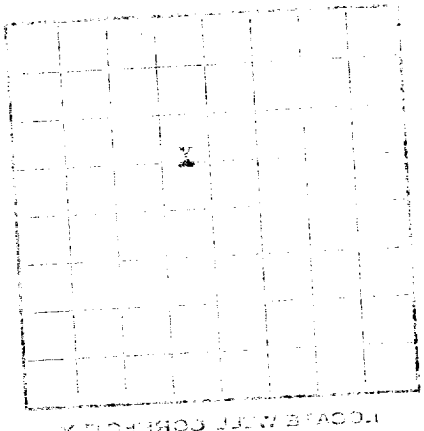
FORMATION RECORD

| FROM- | TO- | TOTAL FEET | FORMATION |
|-------|-----------|------------|----------------------|
| 0 | 1024 | 1024 | Red beds |
| 1024 | 1470 | 446 | Red beds & anhydrite |
| 1470 | 2710 | 1240 | Salt & anhydrite |
| 2710 | 3232 | 522 | Anhydrite & gyp |
| 3232 | 3408 | 176 | Anhydrite & lime |
| 3408 | 3960 T.D. | 552 | Lime |

Formation tops:
Anhydrite: 1351'
Yates: 2972'
Queen: 3669'

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



Well No. 32 Section 32 T. 20N R. 23E S. 10
 Township 20N Range 23E Section 32
 County St. Louis State Mo.
 Name of Landowner St. Louis
 Name of Operator St. Louis
 Name of Driller St. Louis
 Date 1922
 The summary on this page is for the condition of the well at above date.
 Drilling was begun and the well flowed 366 barrels of pipe line oil through a
 2 3/4-inch choke with 325 psi flowing tubing pressure. On potential test the well
 flowed 177 barrels of pipe line oil in 20 hours, 366 collected gravity, through a
 1 1/4-inch choke with tubing pressure of 465 psi and gas-oil ratio of 1.00.

These plugs were placed from 3842 to 3842 feet and treated
 with acid followed by 6,000 gallons of sand per barrel of sand per gallon.
 The section was treated with 300 gallons of sand followed by 3780 gallons of
 No. 3 from 3842 to 3842 feet and 3780 pounds of sand after which the well was tested. The hole was
 run and cemented in two stages. The cement was drilled out to 3924 feet after
 No. 4 from 3924 to 3924 feet.

CASING RECORD
 This well was drilled to total depth of 3960 feet after which 5-1/2-inch casing was
 run and cemented in two stages. The cement was drilled out to 3924 feet after
 No. 4 from 3924 to 3924 feet.

HISTORY OF OIL OR GAS WELL

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
 plugged or left in the well, give size, position, and length. If there has been any change in the size, position, and length of
 the hole, state fully. If there has been any change in the kind of material used, position, and results of pumping or testing
 of spots. If there has been any change in the kind of material used, position, and results of pumping or testing of spots.

SHOOTING RECORD

| Shot | Size | Depth set | Result |
|------|------|-----------|--------|
| | | | |

PLUGS AND ADAPTERS

| Length | Depth set | Result |
|--------|-----------|--------|
| | | |

MIDDING AND CEMENTING RECORD

| Material used | Amount of material used | Depth set | Result |
|---------------|-------------------------|-----------|--------|
| | | | |

TOOLS USED

| Tool | Size | Depth set | Result |
|------|------|-----------|--------|
| | | | |

FORMATION RECORD

| Formation | Depth | Notes |
|----------------------|------------|-------|
| Shale | 0 - 100 | |
| Red beds & sandstone | 100 - 150 | |
| Silt & sandstone | 150 - 200 | |
| Sandstone & shale | 200 - 250 | |
| Sandstone & shale | 250 - 300 | |
| Sandstone & shale | 300 - 350 | |
| Sandstone & shale | 350 - 400 | |
| Sandstone & shale | 400 - 450 | |
| Sandstone & shale | 450 - 500 | |
| Sandstone & shale | 500 - 550 | |
| Sandstone & shale | 550 - 600 | |
| Sandstone & shale | 600 - 650 | |
| Sandstone & shale | 650 - 700 | |
| Sandstone & shale | 700 - 750 | |
| Sandstone & shale | 750 - 800 | |
| Sandstone & shale | 800 - 850 | |
| Sandstone & shale | 850 - 900 | |
| Sandstone & shale | 900 - 950 | |
| Sandstone & shale | 950 - 1000 | |