Form 9-330

Budget Bureau No. 42-R355.2.
Approval expires 12-31-52.

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 059376
LEASE OR PERMIT TO PROSPECT
30-015-04352

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

# LOG OF OIL OR GAS WELL

Company PATON BROTHERS & SERGENT Address Box 667, Artesia, New Mexico
Lessor or Tract Paton-Sergent Field Fren State New Mexico
Well No. 4 Sec. 27 T. 17S R. 30E Meridian NMPM County Eddy
Location 330 ft. {N./S.} of N Line and 330 ft. {E./W.} of E Line of Sec. 27 Elevation
(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 /s/ H. R. Paton
Date January 31, 1951 Title Partner

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

Commenced drilling November 24, 1950 Finished drilling January 11, 1951

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1946 to 1987 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 From— | Perforated To— | Purpose |
|---|---|---|---|---|---|---|---|---|---|
| 8¼" | 20 | 8 rd | | 505 | | | | | |
| 7" | 20 | 8 rd | | 1900 | | | | | |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|---|---|---|---|---|---|
| 8¼ | 505 | 50 | Denton | Heavy | Top to bottom |
| 7 | 1900 | 25 | " | " | " |

## 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 |
|---|---|---|---|---|---|---|
| 6 shells | 5"-30' | O W E | 180 qts | 12/16/50 | 1950-1995 | total depth |

## TOOLS USED

Rotary tools were used from feet to feet, and from feet to feet
Cable tools were used from 0 feet to 2000 feet, and from feet to feet

## DATES

January 31, 1951 Put to producing January 11, 1951

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

Earle McDorman, Driller J. L. McNallen, Driller
Paul C. Morris, Driller , Driller

## FORMATION RECORD

| FROM— | TO— | TOTAL FEET | FORMATION |
|---|---|---|---|
| 0 | 60 | | Red sandy shale |
| 60 | 125 | | Red rock & sand |
| 125 | 300 | | Red rock & anhydrite |
| 300 | 405 | | Anhydrite & Red rock |
| 405 | 435 | | Red rock |
| 435 | 465 | | Sandy Shells |
| 465 | 670 | | Salt |
| 670 | 705 | | Potash & Salt |
| 705 | 1000 | | Salt |
| 1000 | 1055 | | Salt, Anhydrite, Potash & Red rock |
| 1055 | 1175 | | Salt |
| 1175 | 1200 | | Salt & Potash |
| 1200 | 1220 | | Anhydrite & Grey shale breaks |
| 1220 | 1255 | | Broken anhydrite |
| 1255 | 1290 | | Anhydrite & Red rock |
| 1290 | 1365 | | Anhydrite |
| 1365 | 1400 | | Anhydrite & Red rock |
| 1400 | 1435 | | Broken Anhydrite |
| 1435 | 1470 | | Anhydrite |
| 1470 | 1500 | | Anhydrite & Red rock |
| 1500 | 1520 | | Broken Anhydrite |
| 1520 | 1555 | | Anhydrite |
| 1555 | 1590 | | Anhydrite & Grey shale |
| 1590 | 1657 | | Anhydrite |
| 1657 | 1667 | | Grey Sand |
| 1667 | 1680 | | Anhydrite |

(OVER)

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