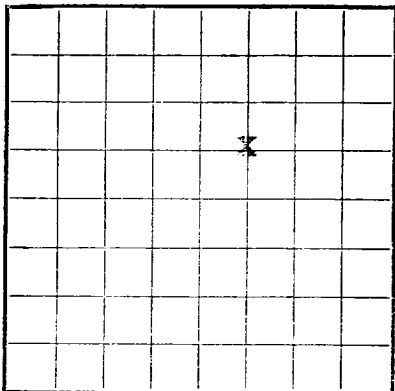
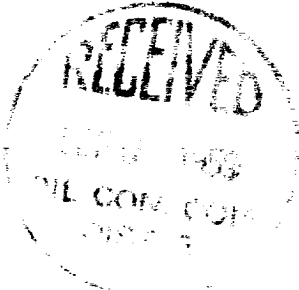




LOCATE WELL CORRECTLY



Budget Bureau No. 42-R-355.3.  
Approval expires 12-31-55.

U. S. LAND OFFICE Santa Fe  
SERIAL NUMBER 04444  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company A. R. Abraham Address 224-1st National Bank Bldg, New Mexico  
Lessor or Tract \_\_\_\_\_ Field Horseshoe State New Mexico  
Well No. 4 Sec. 14 T. 34N R. 12E Meridian NMP County Santa Fe  
Location 1785 ft. N. of 11 Line and 1984 ft. E. of 5 Line of Section-14 Elevation 5530  
(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 Arar Abraham

Date Sept 4 - 1959 Title \_\_\_\_\_  
The summary on this page is for the condition of the well at above date.

Commenced drilling July-27, 1959 Finished drilling Aug-17, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3104 to 3124 No. 4, from 3244 to 3250  
No. 2, from 3104 to 3216 No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from 3214 to 3250 No. 6, from \_\_\_\_\_ to \_\_\_\_\_  
**IMPORTANT WATER SANDS**  
No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 8, 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 | To   | Purpose |
|-------------|-----------------|------------------|--------|--------|--------------|---------------------|-----------------|------|---------|
| 8-5/8       | 82              | 8 R.D.           | J.N.E. | 102    |              |                     |                 |      | Surface |
| 5-1/2       | 14              | 8 R.D.           | J-55   | 3255   |              |                     |                 | 3255 | Prod    |
| 4-7/8       |                 | 8 R.D.           | J-55   | 3150   |              |                     |                 |      |         |

MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 8-5/8       | 102       | 60                     | Halliburton |             |                    |
| 5-1/2       | 3255      | 325                    | D J Service |             |                    |

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 \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

\_\_\_\_\_, 19\_\_\_\_ Put to producing Sept-4, 1959

The production for the first 24 hours was 1152 barrels of fluid of which 100 % was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, °Bé. 40

If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

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

EMPLOYEES

Grossman Drilling Co. Cable Driller \_\_\_\_\_, Driller \_\_\_\_\_  
Gardner Drilling Co. Rotary Driller \_\_\_\_\_, Driller \_\_\_\_\_

FORMATION RECORD

| FROM—      | TO—  | TOTAL FEET | FORMATION |
|------------|------|------------|-----------|
| 0          | 400  | 400        | Shale     |
| 400        | 510  | 110        | Water Sd  |
| 510        | 550  | 40         | Shale     |
| 550        | 1760 | 1210       | Sd-Water  |
| 1760       | 3050 | 1290       | Shale     |
| 3050       | 3102 | 52         | Sd        |
| 3102       | 3126 | 24         | Oil Sand  |
| 3126       | 3132 | 66         | Shale     |
| 3132       | 3214 | 82         | Oil Sand  |
| 3214       | 3222 | 8          | Shale     |
| 3222       | 3228 | 6          | Sand -Oil |
| 3228       | 3242 | 14         | Shale     |
| 3242       | 3248 | 6          | Oil Sand  |
| 3248       | 3308 | 60         | Shale     |
| Top Gallup | 3050 |            |           |

