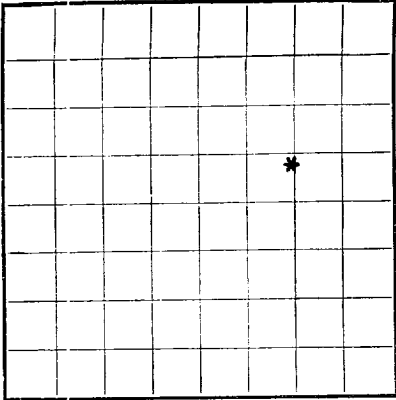


Form 9-330

U. S. LAND OFFICE Las Cruces  
SERIAL NUMBER LC-065478(B)  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Pan American Petroleum Corporation Address Box 63, Hobbs, New Mexico  
Lesser or Tract Malco Refineries "H" Field Empire ABO State New Mexico  
Well No. 6 Sec. 3 T. 18-S R. 27-E Meridian NMPM County Lea  
Location 2310 ft. N of North Line and 1650 ft. E of East Line of Sec. 3 Elevation 3566 RDB  
(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. Original signed by  
Signed J. W. BROWN  
Date September 3, 1959 Title Area Superintendent

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

Commenced drilling August 4, 1959 Finished drilling August 24, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5360 to 5680 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—  |         |
| 8-5/8       | 24              | 8 R              | J-55 | 1486   | Guide        |                     |            |      | Surface |
| 4-1/2       | 9.5             | 8 R              | J-55 | 5735   | Guide        |                     | 5620       | 5664 | OIL     |
|             |                 |                  |      |        |              |                     |            |      |         |
|             |                 |                  |      |        |              |                     |            |      |         |
|             |                 |                  |      |        |              |                     |            |      |         |
|             |                 |                  |      |        |              |                     |            |      |         |
|             |                 |                  |      |        |              |                     |            |      |         |
|             |                 |                  |      |        |              |                     |            |      |         |

MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 8-5/8       | 1489      | 700                    | Pump        |             |                    |
| 4-1/2       | 5720      | 850                    | Pump        |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |

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 0 feet to 5720 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

August 27, 1959 Put to producing August 27, 1959  
The production for the first 24 hours was 80 barrels of fluid of which 99 % was oil; \_\_\_\_\_ %  
emulsion, 1 % 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

R. O. Blackledge, Driller H. L. Beutler, Driller  
Adam Locke, Driller R. C. Sneed, Driller

FORMATION RECORD

| FROM— | TO—       | TOTAL FEET | FORMATION          |
|-------|-----------|------------|--------------------|
| 0     | 330       | 330        | Red bed and anhy.  |
| 330   | 1488      | 1158       | (No Returns)       |
| 1488  | 2480      | 992        | Lime               |
| 2480  | 2660      | 180        | Lime and Sand      |
| 2660  | 4184      | 1524       | Lime               |
| 4184  | 4420      | 236        | Lime and Sand      |
| 4420  | 5720 (TD) | 1300       | Lime               |
|       |           |            | San Andreas - 1610 |
|       |           |            | Glorieta - 3020    |
|       |           |            | Top Abo Reef- 5360 |

| FROM- | TO- | TOTAL FEET | FORMATION |
|-------|-----|------------|-----------|
|       |     |            |           |

## 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 "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

This well was drilled to TD-5720 and PB-5685. Well completed 8-27-59 as a flowing oil well. On potential test well flowed 79 barrels of oil and 1 barrel of acid water in 20 hours on 9/6<sup>th</sup> choke. TBF-875, OPF - PKR. GOR 1107.

[illegible]