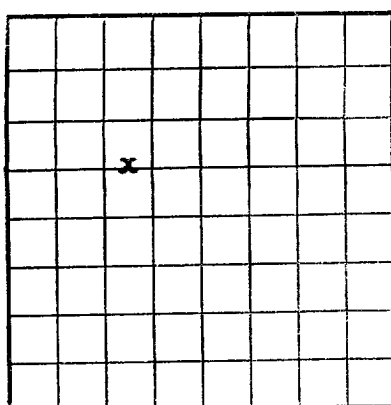


U. S. LAND OFFICE Las Cruces

SERIAL NUMBER 064118

LEASE OR PERMIT TO PROSPECT



**LOCATE WELL CORRECTLY**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

# LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Amon G. Carter Address P.O. Box 1688, Kermit, Texas

Lessor or Tract E. C. Hill Field Teague State New Mexico

Well No. 8 Sec 35 T. 23-S R 37-E Meridian NMPM County Lea

Location 1980 ft. [N] of N Line and 1650 ft. [E] of W Line of Section 35 Elevation 3260  
(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 Ray E. Allen

Date August 17th, 1954

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

Commenced drilling January 22nd, 1954 Finished drilling May 11th, 1954

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from Dry Hole to ----- 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 70 to 90      No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 620 to 635      No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

[illegible]

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement                                                                    | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|-------------------------------------------------------------------------------------------|-------------|-------------|--------------------|
| 13-3/8      | 319       | 300 sx <del>73%</del> gel                                                                 | Pump & plug |             |                    |
| 9-5/8       | 2,900     | 750 sx reg cem <del>73%</del> gel, 750 sx Diamix <del>73%</del> gel & 100 sx reg cem neat |             |             |                    |

## 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 10,550 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.

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

## DATES

|                                                                                                                                                                                                                                                                           |                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <p>_____, 19____</p> <p>The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ % emulsion; _____ % water; and _____ % sediment.</p> <p>If gas well, cu. ft. per 24 hours _____</p> <p>Rock pressure, lbs. per sq. in. _____</p> | <p>Put to producing <u>Dry Hole</u> _____, 19____</p> <p>Gravity, °Bé. _____</p> <p>Gallons gasoline per 1,000 cu. ft. of gas _____</p> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|

**EMPLOYEES**

| EMPLOYEES    |         |                |         |
|--------------|---------|----------------|---------|
| D. E. Wright | Driller | O. L. Crainson | Driller |
| J. B. Woods  | Driller |                | Driller |

# FORMATION RECORD

| FROM-          | TO-   | TOTAL FEET | FORMATION                               |               |
|----------------|-------|------------|-----------------------------------------|---------------|
| 0              | 1100  | 1100       | Red Sand and Shale.                     |               |
| 1100           | 1250  | 150        | Anhydrite, Red Sand and Shale.          |               |
| 1250           | 2330  | 1080       | Salt, Anhydrite Polyhalite.             |               |
| 2330           | 2530  | 200        | Anhydrite and Red Shale.                |               |
| 2530           | 3422  | 892        | Anhydrite and Lime, Shale and Sand.     |               |
| 3422           | 3820  | 398        | Lime, Shale and Anhydrite.              |               |
| 3820           | 4939  | 1119       | Lime and Dolomite.                      |               |
| 4939           | 5894  | 955        | Lime, shale and Sand.                   |               |
| 5894           | 7170  | 1276       | Lime, Shale and Sand.                   |               |
| 7170           | 8010  | 840        | Dolomite and Chert.                     |               |
| 8010           | 8267  | 257        | Dolomite, Lime and Chert.               |               |
| 8267           | 8610  | 343        | Dolomite and Chert.                     |               |
| 8610           | 8968  | 358        | Dolomite and Chert.                     |               |
| 8968           | 9360  | 392        | Lime, Sand, Black and Green Shale.      |               |
| 9360           | 10070 | 710        | Sand, Black, Green, Red Shale and Lime. |               |
| 10070          | 10550 | 480        | Dolomite and Chert.                     |               |
| Top Anhydrite  | 1100  | (2160)     | Top Tubbs                               | 5894 (-2634)  |
| Top Salt       | 1250  | (2010)     | Top Devonian                            | 7170 (-3910)  |
| Base Salt      | 2330  | (930)      | Top Silurian                            | 8010 (-4750)  |
| Top Yates      | 2530  | (730)      | Top Fusselman                           | 8267 (-5007)  |
| Top Penrose    | 3422  | (162)      | Top Montoya                             | 8610 (-5350)  |
| Top San Andres | 3820  | (560)      | Top Simpson                             | 8968 (-5708)  |
| Top Glorieta   | 4939  | (1697)     | Top McKee                               | 9360 (-6100)  |
|                |       |            | Top Ellenburger                         | 10070 (-6810) |

FORMATION RECORD-Continued

| WELL      | DATE                                                                                                                                           | TIME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | FORMATION |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| 6990-7090 | Open 5 hours, gas in 14 minutes, recovered 3690 of fluid of which 901 drilling mud, 901 H <sub>2</sub> O, 5401 C&G water and 29701 Salt water. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |
| #2        | 7190-7283                                                                                                                                      | Open 2-1/2 hours, recovered 301 drilling mud. No shows.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           |
| #3        | 9348-9458                                                                                                                                      | Open 1-1/2 hours, recovered 1501 drilling mud. No shows.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           |
| #4        | 9455-9541                                                                                                                                      | Open 1 hour and 40 minutes, recovered 451 drilling mud. No shows.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           |
| #5        | 9542-9645                                                                                                                                      | Open 4-1/2 hours, recovered 301 drilling mud, 19001 Salt water. No shows.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |
| #6        | 9863-9994                                                                                                                                      | Open 1 hour, recovered 1401 drilling mud. No shows.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           |
| #7        | 10083-154                                                                                                                                      | Open 1 hour, recovered 501 drilling mud. No shows.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |
| #8        | 10154-248                                                                                                                                      | Open 2 hours, recovered 901 salty mud and 6301 Salt water. No shows.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           |
| #9        | 10249-401                                                                                                                                      | Open 1-1/2 hours, recovered 601 drilling mud, 7201 H <sub>2</sub> O with rainbow of oil, no gas.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           |
| #10       | 10401-550                                                                                                                                      | Open 3 hours, recovered 1401 drilling mud, 4401 Salt water with rainbow of oil, no gas.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           |
| #11       | 7395-7503                                                                                                                                      | Plugged back and tested. Open 1 hour and 15 minutes, recovered 3301 O&GCM. Set Halliburton 8-1/4" double packers at 7279 & 7287, swabbed well down, showed slight show oil and gas, acidized with 1000 gallons western mud acid, swabbed well into pit with no gauge but showed slight increase in oil, gas and water. Treated with 3000 gallons western 15% low viscosity acid, with no appreciable break. Lost mud in hole, fished out swab, after recovering acid load, swabbed 56 barrels water and 8 barrels oil in 16 hours, next 24 hours swabbed 41 barrels water and 5 barrels oil. With plugged back total depth of 5203, set Halliburton double packers at 4989 and 4997 and swabbed 2 barrels sulphur water per hour with just enough gas to identify. Treated with 1000 gallons western mud acid, maximum pressure 1000#, no break. After recovering acid load, swabbed 14 hours and recovered 98 barrels sulphur water with only trace of oil and gas.                                       |           |
| #12       | 4997-5203                                                                                                                                      | At total depth 10,550, well has been tested and found to be non-productive in all formations. Set cement plug of 25 sacks regular neat cement in top of Ellenburger formation from 10,025 to 10,030. Set cement plug of 25 sacks regular neat cement in top of McKee formation from 9,312 to 9,367. Set cement plug of 100 sacks regular neat cement at bottom of Devonian section from 7,502 to 7,666. Set plug of 25 sacks regular neat cement in top of Devonian section from 7,316 to 7,661. Set plug of 100 sacks regular neat cement below Florida section from 5,179 to 5,399. Set plug of 25 sacks of regular neat cement from 4,942 to 4,997 in top of Florida section and set plug of 50 sacks regular neat cement in top of Queens or Seven Rivers section from 3,965 to 3,475 then set Halliburton Cast Iron Drillable plug inside of 9-5/8" casing at 2,370 and covered with ten feet Hydrocrete. Plan to use 9-5/8" casing on this well as volume chamber for gas lift system on Hill lease. |           |

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, 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.