

U. S. LAND OFFICE Las Cruces  
SERIAL NUMBER 029426 (b)  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_

RECEIVED

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Sinclair Oil & Gas Company Address 520 East Broadway, Hobbs, N. M.  
Lessor or Tract H. E. West "B" Field Grayburg-Jackson State New Mexico  
Well No. 21 Sec. 10 T. 17S R. 31E Meridian NMPM County Eddy  
Location 660 ft. XX of S Line and 660 ft. XX of W Line of Section 10 Elevation 3,889  
(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.

Date May 22, 1959 Title District Superintendent

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

Commenced drilling 3/20/, 19 59 Finished drilling 5/20/, 19 59

## OIL OR GAS SANDS OR ZONES

(Denote gas by  $G$ )

No. 1, from 3,183 to 3,514      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. 2, from \_\_\_\_\_ to \_\_\_\_\_

No. 3, from \_\_\_\_\_ to \_\_\_\_\_

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 |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 10-3/4"     | 734'      | 100                    | Halliburton |             |                    |
| 5-1.2"      | 3,802'    | 125                    | "           |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |

## 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 16-17 feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

Cable tools were used from 0' feet to 3,802' feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

\_\_\_\_\_, 19\_\_\_\_ Put to producing \_\_\_\_\_ 5/21/\_\_\_\_, 1959

The production for the first 24 hours was ~~214~~ barrels of fluid of which ~~100~~% was oil; ~~0~~% emulsion; ~~0~~% water; and ~~0~~% sediment. Gravity, °Bé. ~~36.2~~

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

Rock pressure, lbs. per sq. in. -----

## EMPLOYEES

----- **Earl Davis** -----, Driller                      ----- **J. L. Fleming** -----, Driller

-----**Taylor Griffith**-----, Driller -----, Driller

# FORMATION RECORD

| FROM—                  | TO—   | TOTAL FEET | FORMATION              |
|------------------------|-------|------------|------------------------|
| 0                      | 50    | 50         | Sand                   |
| 50                     | 255   | 205        | Red Rock               |
| 255                    | 515   | 260        | Sand and red beds      |
| 515                    | 678   | 163        | Anhydrite              |
| 678                    | 1630  | 952        | Salt                   |
| 1630                   | 1710  | 80         | Salt and anhydrite     |
| 1710                   | 2245  | 535        | Anhydrite and red rock |
| 2245                   | 3035  | 790        | Anhydrite              |
| 3035                   | 3802  | 767        | Lime                   |
| <u>GEOLOGICAL TOPS</u> |       |            |                        |
| Yates                  | 1,816 | ✓ 2073     |                        |
| 7-Rivers               | 2,134 | ✓ 1755     |                        |
| Queen                  | 2,756 | ✓ 1133     |                        |
| Grayburg               | 3,183 | ✓ 706      |                        |
| San Andres             | 3,514 | ✓ 375      |                        |

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

5/18/59: Ran Gamma Ray-Neutron log from surface to 3,797'. Perforated 5-1/2" Ran 2" tubing to 3319'. Loaded hole and broke formation at 2600#. Fractured with 20,000 gallons oil and 20,000# sand.

5/20/59: On 24 hour potential test well flowed 21 1/2 bbls. of 36.2 gravity oil. Completed at top allowable of 36 bbls. oil per day.