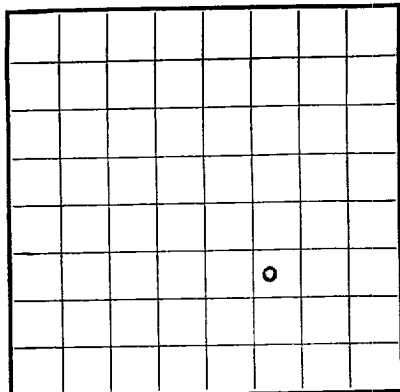


COPY TO O. C. C.



LOCATE WELL CORRECTLY

HOBBS

HOBBS OFFICE OCC

U. S. LAND OFFICE Las Cruces

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

067706

UNITED STATES  
1958 SEP 22 AM 10 55  
DEPARTMENT OF THE INTERIORRECEIVED  
SEP 21 1959

GEOLOGICAL SURVEY

HOBBS, NEW MEXICO

## LOG OF OIL OR GAS WELL

Company J. C. BARNES OIL COMPANY Address Box 505, Midland, Texas  
Lessor or Tract Warren Davis Federal Field East Crossroads State New Mexico  
Well No. 1 Sec. 19 T. 9-S R. 37-E Meridian 100th County Lea  
Location 1650 ft. N of S Line and 1980 ft. E of E Line of Section 19 Elevation 4018'  
(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/ J. C. Barnes, Jr.Date June 24, 1959Title Geologist

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

Commenced drilling 3-20-59, 19 59 Finished drilling 6-19-59, 19 59Finished deepening 7-29-59OIL OR GAS SANDS OR ZONES Plug back at 12,263'

(Denote gas by G)

7-30-59

No. 1, from 12,244 to 12,259 Devonian No. 4, from \_\_\_\_\_ to \_\_\_\_\_No. 2, from deepened to 12,263' 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— |         |
| <u>13-3/8"</u>                             | <u>18#</u>      | <u>8</u>         | <u>Spang</u>     | <u>420'</u>                      | <u>Texas Pattern</u>                        |                     |            |     |         |
| <u>8-5/8"</u>                              | <u>20#</u>      | <u>8</u>         | <u>Pittsburg</u> | <u>4280'</u>                     | <u>Ballor-Float Collar &amp; Guide Shoe</u> |                     |            |     |         |
| <u>5-1/2"</u>                              | <u>17-20#</u>   | <u>8</u>         | <u>National</u>  | <u>12242'</u>                    | <u>Halliburton Sackin Shoe</u>              |                     |            |     |         |
| <u>2" FUE</u>                              | <u>4.7#</u>     | <u>tubing</u>    | <u>12,258'</u>   | <u>PACKER OR CIP OR CYR MATE</u> |                                             |                     |            |     |         |
| OPEN HOLE: <u>12,242'</u> - <u>12,263'</u> |                 |                  |                  |                                  |                                             |                     |            |     |         |

## MUDDING AND CEMENTING RECORD

| Size casing    | Where set     | Number sacks of cement                                    | Method used             | Mud gravity            | Amount of mud used                          |
|----------------|---------------|-----------------------------------------------------------|-------------------------|------------------------|---------------------------------------------|
| <u>13-3/8"</u> | <u>420'</u>   | <u>300</u>                                                | <u>Halliburton</u>      | <u>Natural</u>         | <u>1100</u> <u>sx</u> <u>Salt Water Gel</u> |
| <u>8-5/8"</u>  | <u>4280'</u>  | <u>200</u> <u>sx</u> , <u>550</u> <u>bbls.</u>            | <u>Kem-Pack "</u>       | <u>Natural</u>         | <u>580</u> <u>sx</u> <u>Starch</u>          |
| <u>5-1/2"</u>  | <u>12242'</u> | <u>75</u> <u>sx</u> , <u>4 1/2</u> , <u>500</u> <u>sx</u> | <u>Neat Halliburton</u> | <u>9.3</u> <u>Salt</u> | <u>4</u> <u>sx</u> <u>Bicarb of Soda</u>    |
|                |               |                                                           |                         | <u>Gel</u>             | <u>8</u> <u>sx</u> <u>Santamerse</u>        |

## PLUGS AND ADAPTERS

20 sx Paraformaldehyde

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 420 feet to 12,259 feet, and from 12,259 feet to 12,287 feetCable tools were used from surface feet to 420 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

September 5, 19 59 Put to producing September 5, 1959, 19 59

The production for the first 24 hours was 90.87 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, °Bé. 45.2

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

Rock pressure, lbs. per sq. in. 8 lbs. on pump

## EMPLOYEES

Sharp Drilling Company, Midland Driller \_\_\_\_\_, Driller

\_\_\_\_\_, Driller \_\_\_\_\_, Driller

## FORMATION RECORD

| FROM—                 | TO—                    | TOTAL FEET | FORMATION                               |
|-----------------------|------------------------|------------|-----------------------------------------|
| Surface               | 165'                   |            | Blue Shale                              |
| 165'                  | 1175'                  |            | Red Bed                                 |
| 1175'                 | 2435'                  |            | Anhydrite                               |
| 2435'                 | 7943'                  |            | Lime                                    |
| 7943'                 | 8152'                  |            | Shale                                   |
| 8152'                 | 10312'                 |            | Lime                                    |
| 10312'                | 10542'                 |            | Lime & Shale                            |
| 10542'                | 11841'                 |            | Lime, Trace of Chert                    |
| 11841'                | 11967'                 |            | Lime                                    |
| 11967'                | 12127'                 |            | Lime & Chert                            |
| 12127'                | 12194'                 |            | Lime & Shale                            |
| 12194'                | 12238'                 |            | Shale                                   |
| 12238'                | 12259'                 |            | Dolomite - Total Depth                  |
| 12259'                | 12287'                 |            | Deepened in Dolomite, got sulphur water |
| 12287'                | 12263'                 |            | Plug Back; TOTAL DEPTH                  |
| TOPS BY ELECTRIC LOG: |                        |            |                                         |
| 4195'                 | Top/San Andrew         |            |                                         |
| 5570'                 | Top/Glorietta          |            |                                         |
| 6955'                 | Top/Tubbs              |            |                                         |
| 7732'                 | Top/Abo                |            |                                         |
| 11777'                | Top/Mississippian      |            |                                         |
| 12194'                | Top/Mississippian/Wood |            |                                         |
| 12238'                | Top/Devonian           |            |                                         |

(OVER)

AT THE END OF COMPLETE DRILLER'S

