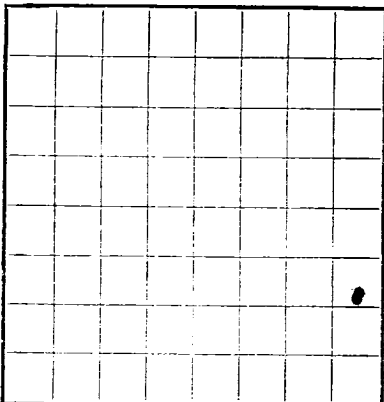




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Las Cruces  
SERIAL NUMBER 072006  
LEASE OR PERMIT TO PROSPECT ARC Federal

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Sinclair Oil & Gas Company Address 520 E. Broadway, Hobbs, N. Mex.  
Lessor or Tract ARC Federal Field Caprock-Queen State New Mexico  
Well No. 2 Sec. 8 T. 14S R. 31E Meridian NMPM County Chaves  
Location 1650 ft. N of South line and 330 ft. E of East line of Sec. 8 Elevation 4125  
(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 \_\_\_\_\_

Date 3/11/57 Title Dist. Supt.

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

Commenced drilling 12/26/56, 19\_\_\_\_ Finished drilling 1/4/57, 19\_\_\_\_

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2699 to 2743 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-- |                           |
| <u>10 3/4"</u> | <u>28.52</u>    | <u>SW-SJ</u>     | <u>355</u> | <u>217</u>  | <u>none</u>  | <u>none</u>         |            |      | <u>Surface Production</u> |
| <u>7"</u>      | <u>20</u>       | <u>SR</u>        | <u>355</u> | <u>2745</u> | <u>Float</u> | <u>none</u>         |            |      |                           |
| <u>2 3/8"</u>  | <u>4.7</u>      | <u>SR</u>        | <u>355</u> | <u>2706</u> | <u>none</u>  | <u>none</u>         |            |      | <u>do</u>                 |

MUDDING AND CEMENTING RECORD

| Size casing    | Where set   | Number sacks of cement | Method used        | Mud gravity | Amount of mud used |
|----------------|-------------|------------------------|--------------------|-------------|--------------------|
| <u>10 3/4"</u> | <u>217</u>  | <u>225</u>             | <u>Halliburton</u> |             |                    |
| <u>7"</u>      | <u>2745</u> | <u>200</u>             | <u>do</u>          |             |                    |

PLUGS AND ADAPTERS

Heaving plug—Material none Length \_\_\_\_\_ Depth set \_\_\_\_\_  
Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

SHOOTING RECORD

Perforated Casing f/ 2725 to 2735— Acidized w/ 250 Gal. Mud Acid Followed by 10,000 Gal. Frac. Oil & 9500# Sand— Max. Press. 2100#— Min. Press. 1900#— Inj. Rate 19 Bbl. Per. Min. Recovered lead oil & Swabbed 169 Bbl. oil per day  
Tested— Dry before treatment

TOOLS USED

Rotary tools were used from 0 feet to 2745 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

1/9/57, 19\_\_\_\_ Put to producing 1/10/57, 19\_\_\_\_  
The production for the first 24 hours was 169 barrels of fluid of which 100% was oil; 0% emulsion; 0% water; and 0% sediment. Gravity, °Bé. 42.1  
If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. \_\_\_\_\_

EMPLOYEES

H. A. Mickelson, Driller G. R. Rollins, Driller  
Roy Hill, Driller \_\_\_\_\_, Driller

FORMATION RECORD

| FROM—                                                                                                                                                                                           | TO—         | TOTAL FEET | FORMATION                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------|---------------------------------|
| <u>0</u>                                                                                                                                                                                        | <u>765</u>  | <u>765</u> | <u>Redbed</u>                   |
| <u>765</u>                                                                                                                                                                                      | <u>995</u>  | <u>230</u> | <u>Anhydrite &amp; Redshale</u> |
| <u>995</u>                                                                                                                                                                                      | <u>1191</u> | <u>196</u> | <u>Anhydrite &amp; Shale</u>    |
| <u>1191</u>                                                                                                                                                                                     | <u>1980</u> | <u>789</u> | <u>Anhydrite &amp; Salt</u>     |
| <u>1980</u>                                                                                                                                                                                     | <u>2674</u> | <u>696</u> | <u>Anhydrite &amp; Shale</u>    |
| <u>2674</u>                                                                                                                                                                                     | <u>2721</u> | <u>47</u>  | <u>Anhydrite</u>                |
| <u>2721</u>                                                                                                                                                                                     | <u>2731</u> | <u>10</u>  | <u>Sand</u>                     |
| <u>2731</u>                                                                                                                                                                                     | <u>2745</u> | <u>14</u>  | <u>Anhydrite</u>                |
| DST# 1 f/ <u>2715</u> to <u>2745</u> — <u>5/8"</u> Bot. & <u>1"</u> Top Chokes—<br>Open 2 Hrs. Recovered <u>200'</u> Oil & Gas Cut Mud—<br>IFP — zero— FFP <u>95#</u> — 30 Min. SIP <u>160#</u> |             |            |                                 |
| GEOLOGICAL TOPS— Surface Elev. <u>4116'</u>                                                                                                                                                     |             |            |                                 |
| <u>Rustler</u>                                                                                                                                                                                  | <u>1020</u> |            |                                 |
| <u>Salt</u>                                                                                                                                                                                     | <u>1100</u> |            |                                 |
| <u>Yates</u>                                                                                                                                                                                    | <u>1937</u> |            |                                 |
| <u>Queen</u>                                                                                                                                                                                    | <u>2699</u> |            |                                 |

Orig. & 3cc— USGS  
1cc— MR. FHR—HFD—f

