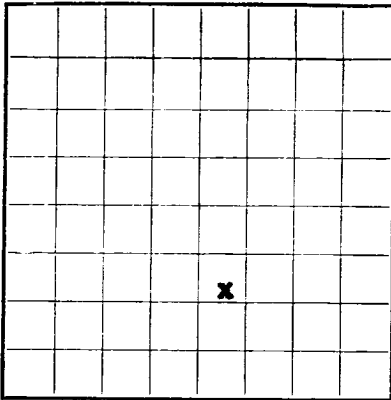


U. S. LAND OFFICE **Roswell, N. M.**  
SERIAL NUMBER **L.C. 032233-5**  
LEASE OR PERMIT TO PROSPECT **L.S.**

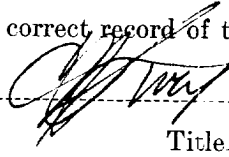
LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company **C. H. Sweet** Address **Box 1115, Hobbs, New Mexico**  
Lessor or Tract **Federal Bowers** Field **Hobbs** State **New Mexico**  
Well No. **2-A** Sec **20** T **18S** R **38E** Meridian **N.M.P.M.** County **Lea, N. M.**  
Location **1650** ft. <sup>(N.)</sup> of **S** Line and **2010** <sup>(XX)</sup> of **E.** Line of **Sec. 20** Elevation **3647'**  
<sub>(Derrick floor relative to sea level)</sub>

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  Title **Operator**Date **3-19-54**

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

Commenced drilling **3-4**, 19**54** Finished drilling **3-17-**, 19**54**

## OIL OR GAS SANDS OR ZONES

(Denote gas by "G")

No. 1, from **4150** to **4202** 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— |         |
| <b>8 5/8"</b> | <b>40</b>       |                  | <b>Nat'l</b>          | <b>252</b>                 | <b>Texas Pattern</b>                             |                     |            |     |         |
| <b>5 1/2"</b> | <b>15.5</b>     |                  | <b>New</b>            | <b>4130'</b>               | <b>Halliburton Float Collar &amp; Guide Shoe</b> |                     |            |     |         |
| <b>2"</b>     | <b>11.5</b>     |                  | <b>Sweet Bookwell</b> | <b>Packer set at 4100'</b> |                                                  |                     |            |     |         |

## MUDDING AND CEMENTING RECORD

| Size casing   | Where set    | Number sacks of cement | Method used                       | Mud gravity | Amount of mud used |
|---------------|--------------|------------------------|-----------------------------------|-------------|--------------------|
| <b>8 5/8"</b> | <b>252'</b>  | <b>150</b>             | <b>Circulated to Surface</b>      |             |                    |
| <b>5 1/2"</b> | <b>4130'</b> | <b>600</b>             | <b>Cemented above Top of Salt</b> |             |                    |

## 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 |
|------|-------------|----------------|----------|------|------------|-------------------|
|      | <b>None</b> |                |          |      |            |                   |

## TOOLS USED

Rotary tools were used from **0** feet to **4202** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

Put to producing **3-18-**, 19**54**

The production for the first 24 hours was **72** barrels of fluid of which **92** % was oil; \_\_\_\_\_ %  
emulsion; **8** % water; and \_\_\_\_\_ % sediment. Gravity, °Bé. **33.5**

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

Rock pressure, lbs. per sq. in. \_\_\_\_\_

## EMPLOYEES

**J. W. Dyer**, Driller **W. J. Botkin**, Driller  
**J. J. Scarborough**, Driller \_\_\_\_\_, Driller

## FORMATION RECORD

| FROM—                         | TO—              | TOTAL FEET  | FORMATION                     |
|-------------------------------|------------------|-------------|-------------------------------|
| <b>0</b>                      | <b>256</b>       | <b>256</b>  | <b>Gravel &amp; Sand</b>      |
| <b>256</b>                    | <b>1540</b>      | <b>1284</b> | <b>Redbed</b>                 |
| <b>1540</b>                   | <b>1610</b>      | <b>70</b>   | <b>Anhydrite &amp; Shells</b> |
| <b>1610</b>                   | <b>1710</b>      | <b>100</b>  | <b>Anhydrite</b>              |
| <b>1710</b>                   | <b>2747</b>      | <b>1037</b> | <b>Anhydrite &amp; Salt</b>   |
| <b>2747</b>                   | <b>2877</b>      | <b>130</b>  | <b>Anhydrite &amp; Lime</b>   |
| <b>2877</b>                   | <b>3041</b>      | <b>164</b>  | <b>Anhydrite &amp; Gyp</b>    |
| <b>3041</b>                   | <b>3101</b>      | <b>60</b>   | <b>Anhydrite</b>              |
| <b>3101</b>                   | <b>3480</b>      | <b>379</b>  | <b>Anhydrite &amp; Gyp</b>    |
| <b>3480</b>                   | <b>3535</b>      | <b>55</b>   | <b>Anhydrite &amp; Lime</b>   |
| <b>3535</b>                   | <b>3608</b>      | <b>73</b>   | <b>Lime</b>                   |
| <b>3608</b>                   | <b>3670</b>      | <b>62</b>   | <b>Lime &amp; Gyp</b>         |
| <b>3670</b>                   | <b>4060</b>      | <b>390</b>  | <b>Lime</b>                   |
| <b>4060</b>                   | <b>4170</b>      | <b>110</b>  | <b>Lime &amp; Sand</b>        |
| <b>4170</b>                   | <b>4202 T.D.</b> | <b>32</b>   | <b>Lime</b>                   |
| <b>TOP SAN ANDRES - 4194'</b> |                  |             |                               |

|                  |                   |               |
|------------------|-------------------|---------------|
|                  | <b>TOTAL FEET</b> | <b>FROM--</b> |
| <b>FORMATION</b> |                   | <b>TO--</b>   |

—OL

TOTAL FEET

## NOTES

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 balling.

## 16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

Well was drilled to T. D. 4202'. Circulated with clear water using reverse circulation. Set packer at 4120'. Stripped well dry showing small volume of gas and oil. Volume too small to measure.

Acidized with 200 gallons of 15% low tension acid. Stripped out acid water and well started to flow. Well flowed at the rate of 5 barrels per hour.

Set well on 1/4" choke. Tubing pressure 380". Well tested for 24 hours and flowed at the rate of 3 barrels fluid per hour, cutting 8% water. 24 hour potential - 72 barrels fluid, 8% water.