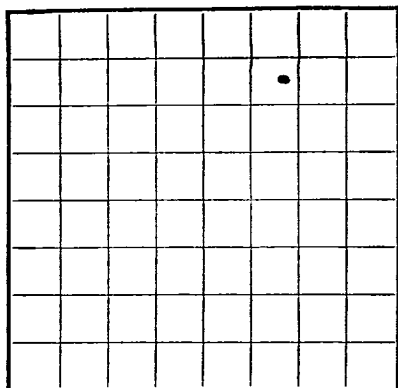




LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Santa Fe**  
SERIAL NUMBER **NH 0659**  
LEASE OR PERMIT TO PROSPECTUNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company **Alamo Corporation** Address **2010 34th St., Lubbock, Texas**  
Lessor or Tract **Ohio - Federal** Field **Sawyer-San Andres** State **New Mexico**  
Well No. **1** Sec. **30** T. **9S** R. **38E** Meridian **N.M.P.M.** County **Lea**  
Location **990** ft. **[N]** of **N** Line and **1650** ft. **[E]** of **E** Line of **Section 30** Elevation **3958.5**  
(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 **X. E. Jackson**Date **May 4, 1960**Title **Representative**

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

Commenced drilling **March 26**, 19**60** Finished drilling **April 16**, 19**60**

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **4897** to **4913 - gas** No. 4, from **4978** to **4992 - O & G**  
No. 2, from **4922** to **4946 - O & G** No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from **4967** to **4978 - O & G** No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from **4978** to **4992** 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>242</b>      | <b>3</b>         | <b>3-11</b> | <b>301</b>  | <b>16-7/8</b> | <b>4897</b>         | <b>4922</b> | <b>29</b> | <b>Oil string</b> |
| <b>4 1/2</b> | <b>95</b>       | <b>3</b>         | <b>3-85</b> | <b>1004</b> | <b>16-7/8</b> | <b>4922</b>         | <b>4938</b> | <b>46</b> |                   |
|              |                 |                  |             |             |               | <b>4938</b>         | <b>4968</b> | <b>72</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>361'</b>  | <b>175 sacks</b>       | <b>Henco Pump</b> | <b>Native</b> |                    |
| <b>4 1/2</b> | <b>5044'</b> | <b>240 sacks</b>       | <b>Henco Pump</b> | <b>39</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 |
|-----------------------|------------|----------------|----------|-----------|------------|-------------------|
| Western Co. "Stinger" | Jet Perf.  | 112            | 4-26-60  | 4897-4946 | 5002'      |                   |
| Western Co. "Link"    | Jet Perf.  | 16             | 4-28-60  | 4968-4972 | 5002'      |                   |

## TOOLS USED

Rotary tools were used from **0** feet to **5045** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

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

## DATES

Put to producing **Testing 4-28**, 19**60**

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

If gas well, cu. ft. per 24 hours **2,828 mcf** Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_Rock pressure, lbs. per sq. in. **1400** **1 Tested for gas, no fluid gauged to date.**

## EMPLOYEES

**Western Drilling Company**, Driller **Roberts Well Service (Completion)**

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

## FORMATION RECORD

| FROM—                                          | TO—         | TOTAL FEET  | FORMATION                                     |
|------------------------------------------------|-------------|-------------|-----------------------------------------------|
| <b>0</b>                                       | <b>165</b>  | <b>165</b>  | <b>Surface sand and clay</b>                  |
| <b>165</b>                                     | <b>320</b>  | <b>155</b>  | <b>Shale and shells</b>                       |
| <b>320</b>                                     | <b>370</b>  | <b>50</b>   | <b>Redbeds</b>                                |
| <b>370</b>                                     | <b>1820</b> | <b>1450</b> | <b>Redbed &amp; shale</b>                     |
| <b>1820</b>                                    | <b>1845</b> | <b>25</b>   | <b>Sand</b>                                   |
| <b>1845</b>                                    | <b>2000</b> | <b>155</b>  | <b>Redbed &amp; Shells</b>                    |
| <b>2000</b>                                    | <b>2380</b> | <b>380</b>  | <b>Anhy., shale, gyp</b>                      |
| <b>2380</b>                                    | <b>2396</b> | <b>16</b>   | <b>Redbed &amp; shells</b>                    |
| <b>2396</b>                                    | <b>3390</b> | <b>994</b>  | <b>Anhy., salt, gyp</b>                       |
| <b>3390</b>                                    | <b>4170</b> | <b>780</b>  | <b>Anhy. and gyp</b>                          |
| <b>4170</b>                                    | <b>4400</b> | <b>230</b>  | <b>Dolomite &amp; anhy., shale stringers</b>  |
| <b>4400</b>                                    | <b>4730</b> | <b>330</b>  | <b>Dolo. (green to grey), shale stringers</b> |
| <b>4730</b>                                    | <b>4750</b> | <b>20</b>   | <b>Shale</b>                                  |
| <b>4750</b>                                    | <b>4880</b> | <b>130</b>  | <b>Dolomite, thin shale stringers</b>         |
| <b>4880</b>                                    | <b>5045</b> | <b>165</b>  | <b>Dolomite, dense to porous</b>              |
| <b>Started core #1 @ 4885' cored to 4995'.</b> |             |             |                                               |
| <b>Sample tops: Yates 1830'</b>                |             |             |                                               |
| <b>San Andres 4185'</b>                        |             |             |                                               |

