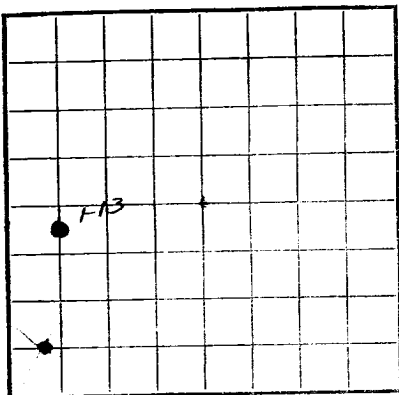




LOCATE WELL CORRECTLY

RECEIVED UNITED STATES

FEB 14 1961 DEPARTMENT OF THE INTERIOR

U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICORECEIVED  
FEB 17 1961D. C. C.  
ARTESIA, OFFICE

## LOG OF OIL OR GAS WELL

Company Southwestern, Inc. Address Box 1116 Lovington, N M  
Lessor or Tract Southern Cal. Pet. Corp. Field East Benson Yates State New Mexico  
Well No. 1-13 Sec. 13 T. 19S R. 30E Meridian NMPM County Sady  
Location 2310 ft. N of S Line and 460 ft. E of W Line of Sec 13 Elevation 3431.98  
(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

Title Office Manager

Date

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

Commenced drilling 8-22, 19 60 Finished drilling 9-9, 19 60

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2126 to 2133 No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 2199 to 2203 No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from 190 to 195 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—  |         |
| 8-5/8       | 26              | 8                | Halliburton | 100 Sks | Ball         | 2095                | 2095       | 2104 | Oil     |
| 5-1/2       | 21              | 8                | Halliburton | 100 Sks | Ball         | 2104                | 2104       | 2106 | Oil     |
| 4-1/2       | 18              | 8                | Halliburton | 100 Sks | Ball         | 2106                | 2106       | 2108 | Oil     |
| 3-1/2       | 15              | 8                | Halliburton | 100 Sks | Ball         | 2108                | 2108       | 2110 | Oil     |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 8-5/8       | 583.14    | 100 Sks                | Halliburton | 11 lb       | 14 Sks Gel         |
| 5-1/2       | 2163.61   | 100 Sks                | Halliburton | 11 lb       | 5 sacks gel        |

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set 2110  
Adapters—Material Gilbertson Size 2 Feet

## SHOOTING RECORD

| Size | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|------|------------|----------------|----------|------|------------|-------------------|
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |

## TOOLS USED

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

## DATES

Put to producing \_\_\_\_\_, 19 \_\_\_\_\_

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

If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gravity, °Bé. \_\_\_\_\_

Rock pressure, lbs. per sq. in. \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

## EMPLOYEES

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

## FORMATION RECORD

| FROM— | TO—  | TOTAL FEET | FORMATION               |
|-------|------|------------|-------------------------|
| 0     | 20   | 20         | Sand and Shale          |
| 20    | 145  | 125        | Red Rock & Shale        |
| 145   | 340  | 195        | Red shale and Anhydrite |
| 340   | 400  | 60         | Anhydrite Line          |
| 400   | 410  | 10         | Line                    |
| 410   | 450  | 40         | Anhydrite               |
| 450   | 480  | 30         | Shale                   |
| 480   | 520  | 40         | Anhydrite               |
| 520   | 578  | 58         | Shale                   |
| 578   | 1700 | 1122       | Salt & Potash           |
| 1700  | 1975 | 275        | Anhydrite               |
| 1975  | 2025 | 50         | Sand & Anhydrite        |
| 2025  | 2040 | 15         | Red Shale               |
| 2040  | 2057 | 17         | Sand, Shale & anhydrite |
| 2057  | 2067 | 10         | Broken Line & Anhydrite |
| 2067  | 2076 | 9          | Gray Line & Anhydrite   |
| 2076  | 2085 | 9          | Gray Line & Sand        |
| 2085  | 2143 | 58         | Sand                    |
| 2143  | 2203 | 60         | Line                    |

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

[illegible]

2000-2001

[illegible]

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

OIL OR GAS SANDS OR ZONES

(D) and (E) stores (G)

# IMPORTANT WATER SANDS

GROUP 01240

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of refilling, 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 date 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 bailing of water.

## HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

[illegible]

**FORMATION RECORD—Continued**

REC  
FEB 17 1964  
U.S. AIR FORCE