

# HISTORY OF OIL OR GAS WELL

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 "struck" 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 baffing.

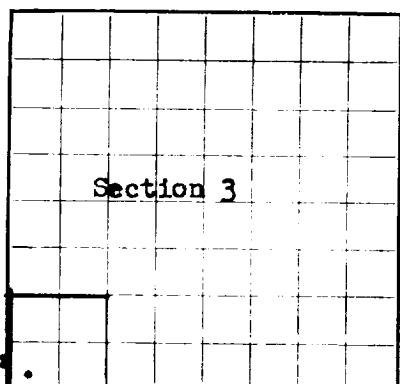
Graded well 3 P.M., 11-7-61. Drilled 11" hole to 215' landed & cemented 8-5/8", 2 1/2"/ft., J-55, 8 rd., new casing at 212.21' with 125 sx Reg. neat cement. Circulated 15 sx. After waiting on cement total of 18 hours pressure tested 8-5/8" casing with 1000 psi for 30 minutes. OK. Drilled ahead in 6-3/4" hole to 3728', T.D.. After logging, ran & cemented 4 1/2", 11.6#/ft., J-55, 8 rd., 1162 new casing at 3726' with 440 sx. Reg. 40% Micel D mix followed by 150 sx. Reg. neat cement. Circ. 5 sx. Plug down and MOC at 1:45 p.m., 11-18-61. Rig released 2:00 p.m., 11-18-61. Plug back T.D. 3695'. Perforated selected intervals 3645-3686 with 2 jets per foot. Fracture treated perfs with 30,000 gals. lease crude & 45,000 lbs. sdm 9 1/2 H<sub>2</sub>O to recover. Ran 3638', 2-3/8", BHE, 4.7#/ft., M-80 tbg. Swabbed well, and found low rate of fluid entry. Moved in pumping unit and placed well on pump. Recovered all load oil March 1, 1962. Well potential 3-3-62 at 8.28 bbls. oil per day. 0 bbls. water, GOR of 921 cu. ft./bbl. Logs were sent to W&S office 1-10-62.

VB1E219' NEW MEXICO  
N 2 GEORGETOWN 208AE4

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Form 9-330



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U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

U. S. LAND OFFICE  
SERIAL NUMBER New Mexico  
LEASE OR PERMIT TO PROSPECT  
081381-A

## LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Standard Oil Company of Texas,

Company A Division of California Oil Co. Address Drawer "S", Monahans, Texas

Lessor or Tract Federal 16-3 Field North Square Lake State New Mexico

Well No. 1 Sec. 3 T. 16S R. 31E Meridian NMPM County Eddy

Location 330 ft. of S Line and 330 ft. of W Line of Section 3 Elevation 4180 G.L.

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 J. L. Rowland Title District Engineer

Date March 12, 1962

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

Commenced drilling November 7, 1961. Finished drilling November 18, 1961.

### OIL OR GAS SANDS OR ZONES

No. 1, from to 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 None to No. 3, from to  
No. 2, from to No. 4, from to

### CASING RECORD

| Size casing | Weight per foot | Threads per foot | Make | Apprent. | Kind of shoe         | Out and pulled from | Perforated | Purpose        |
|-------------|-----------------|------------------|------|----------|----------------------|---------------------|------------|----------------|
| 8 5/8"      | 24#             | 8 Rd.            | Nav  | 212      | Guide                | None                |            | Surface String |
| 4 1/2"      | 11.6#           | 8 Rd.            | Nav  | 3726     | Diff. Float & collar | None                |            | Pil String     |

### MUDDING AND CEMENTING RECORD

| Mix casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|------------|-----------|------------------------|-------------|-------------|--------------------|
| 8 5/8"     | 212'      | 125                    | Plug        |             |                    |
| 4 1/2"     | 3726'     | 590                    | Plug        |             |                    |

### PLUGS AND ADAPTERS

Heaving plug - Material Length Depth set

Adapters - Material Size

### SHOOTING RECORD

### TOOLS USED

Rotary tools were used from Surface feet to 3728 T.D. feet, and from feet to feet  
Cable tools were used from feet to feet, and from feet to feet

### DATES

March 1962 Put to producing March 1962

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 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

### EMPLOYEES

M. L. Southerland Driller Roy Solomon Driller  
L. W. Cole Driller M. F. Young Driller

### FORMATION RECORD

| FROM- | TO-          | TOTAL FEET | FORMATION                                                         |
|-------|--------------|------------|-------------------------------------------------------------------|
| Surf. | 1015'        | 1015'      | Surf gravel, sand, red beds                                       |
| 1015' | 1920'        | 905'       | salt w/ thin anhydrite layers                                     |
| 1920' | 2300'        | 1080'      | anhydrite and shale                                               |
| 2300' | 2940'        | 640'       | dolomite, shale and anhydrite                                     |
| 2940' | 3040'        | 100'       | dolomite and sand                                                 |
| 3040' | 3640'        | 600'       | dolomite and anhydrite                                            |
| 3640' | 3690'        | 50'        | Gray oil sand, dolomite, anhydrite, red shaly sand and red shale. |
| 3690' | 3728' (T.D.) | 38'        | Dolomite                                                          |

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GR-Sonic log tops:

MAR 20 1962

Rustler 1015' (+3174')  
Yates 2104' (+2086')  
Queen 2940' (+1250')  
Grayburg 3329' (+861')  
Premier 3643' (+547')  
San Andres 3687' (+503')

(OVER)