

## Santa Fe

LC 068888

LEASE OR PERMIT TO PROSPECT

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JAN 12 1960

GEOLOGICAL SURVEY

ARTESIA, OFFICE

## LOCATE WELL CORRECTLY

Company Olen F. Featherstone Address 236 Petroleum Building, Roswell,  
N.M.  
Lessor or Tract Federal 'A' Field Square Lake State New Mexico  
Well No. 2 Sec. 31 T. 16S R. 30E Meridian N.M.P.M. County Eddy  
Location 660 ft. N. of N Line and 1980 ft. E. of E Line of Section 31 Elevation 3717'  
(District Registration Form 10-1-1941)

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.

Date **1-5-60** Signed \_\_\_\_\_ Title **Geologist**

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

Commenced drilling 4-27 1959 Finished drilling 5-5 1959

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2680 to 2690 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 2030 to 2050 (salt water) No. 3, from 2050 to 2070  
No. 2, from 2070 to 2090 No. 4, from 2090 to 2110

# 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 24    |                 | 8rd              | Smls | 492.   | Pattern      |                     |            |      |         |
| 5 1/2 14    |                 | 8rd              | Smls | 2903   | Fltst        |                     | 2763       | 2800 | Prod.   |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 8 5/8       | 492       | 75                     | Pump & plug |             |                    |
| 5 1/2       | 2903      | 60                     | " "         |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |

## 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 |
|------|------------|----------------|----------|------|------------|-------------------|
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |

## TOOLS USED

Rotary tools were used from ~~Surface~~ feet to ~~To~~ feet, and from feet to feet

Cable tools were used from feet to feet, and from feet to feet.

## DATES

----- **1-5** -----, 19 **60**

Put to producing ----- 19 -----

~~NO PRODUCTION~~

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. W. Raley**-----, Driller                      -----**P. J. Carre**-----, Driller  
-----**W. I. Trembley, Jr.**-----, Driller                      -----, Driller

## FORMATION RECORD

| FROM— | TO—  | TOTAL FEET | FORMATION             |
|-------|------|------------|-----------------------|
| 0     | 225  | 225        | Red bed               |
| 225   | 535  | 310        | Red bed and anhydrite |
| 535   | 1735 | 1200       | Salt and anhydrite    |
| 1735  | 1955 | 220        | Anhydrite and shale   |
| 1955  | 2020 | 165        | Anhydrite             |
| 2020  | 2455 | 435        | Anhydrite and sand    |
| 2455  | 2515 | 60         | Dolomite              |
| 2515  | 2545 | 30         | Sand and anhydrite    |
| 2545  | 2800 | 255        | Dolomite and sand     |
| 2800  | 2860 | 60         | Dolomite and lime     |
| 2860  | 2902 | 42         | Sand and dolomite     |

