

A 10x10 grid with a small black dot in the 3rd row, 2nd column.

## LOCATE WELL CORRECTLY

U. S. LAND OFFICE SANTA FE  
SERIAL NUMBER 078146  
LEASE OR PERMIT TO PROSPECT LEASE

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

# LOG OF OIL OR GAS WELL

Company KENNETH MURCHISON Address Box 307-12, 1315 PACIFIC, DALLAS, TEXAS  
Lessor or Tract HORTON Field BLANCO State NEW MEXICO  
Well No. 4 Sec. 27 T. 32 N. R. 12 W. Meridian N.M.P.M. County SAN JUAN  
Location 990 ft. {N. } of S Line and 990 ft. {E. } of W Line of SECTION 27 Elevation 6121

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 DECEMBER 1, 1973 Title SECRETARY

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

Commenced drilling 1/15 <sup>31</sup>, 1953 Finished drilling 10/31, 1953

**OIL OR GAS SANDS OR ZONES**  
(Denote gas by G)

No. 1, from 4740 to 4786 G No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from 4842 to 5160 G No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_

No. 2, from \_\_\_\_\_ to \_\_\_\_\_

No. 3, from \_\_\_\_\_ to \_\_\_\_\_

No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

| Size<br>casing | Weight<br>per foot | Threads per<br>inch | Make     | Amount | Kind of shoe | Cut and pulled from | Purpose |
|----------------|--------------------|---------------------|----------|--------|--------------|---------------------|---------|
| 0 3/4          | 33                 |                     | Yanmar's | 479    |              |                     |         |
| 7              | 33                 |                     |          | 800    |              |                     |         |
|                |                    |                     |          |        |              |                     |         |
|                |                    |                     |          |        |              |                     |         |
|                |                    |                     |          |        |              |                     |         |
|                |                    |                     |          |        |              |                     |         |
|                |                    |                     |          |        |              |                     |         |
|                |                    |                     |          |        |              |                     |         |
|                |                    |                     |          |        |              |                     |         |

A circular ink stamp is located in the upper right corner of the page. The outer ring contains the word "RECEIVED" at the top and "OIL COM." followed by "LIST. 3" at the bottom. In the center of the circle, the date "DEC 23 1953" is stamped.

## MUDDING AND CEMENTING RECORD

| Size casing | Where set            | Number sacks of cement  | Method used | Mud gravity | Amount of mud used |
|-------------|----------------------|-------------------------|-------------|-------------|--------------------|
| 0 3/4       | <del>1000</del> 200  | <del>100</del> SACKS    | HALLIBURTON |             |                    |
| 7           | <del>1000</del> 4000 | <del>100</del> 15 SACKS | HALLIBURTON |             |                    |
|             |                      |                         |             |             |                    |
|             |                      |                         |             |             |                    |
|             |                      |                         |             |             |                    |

## 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 |
|-----------|------------|-----------------|-----------|-------|------------|-------------------|
| 1 - 3 1/2 |            | HYDRO GLYCERINE | 1620 QTS. | 10-21 | 4760-5158  | 5158              |

## TOOLS USED

Rotary tools were used from 0 feet to 4670 feet, and from 4900 feet to 5160 feet  
Cable tools were used from 4670 feet to 4900 feet, and from 5160 feet to \_\_\_\_\_ feet

*Comp: 11-4* 1953

**DATES**

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

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

EMPLOYER

|                 |         |               |         |
|-----------------|---------|---------------|---------|
| W. J. HENDERSON | Driller | C. W. MULLINS | Driller |
| B. L. RHODIN    | Driller |               | Driller |

FORMATION RECORD

## FORMATION RECORD

| FROM— | TO—  | TOTAL FEET | FORMATION      |
|-------|------|------------|----------------|
| 0     | 200  | 200        | SURFACE        |
| 200   | 861  | 661        | SAND           |
| 861   | 2189 | 1328       | SAND AND SHALE |
| 2189  | 2298 | 109        | SHALE          |
| 2298  | 4687 | 2389       | SAND AND SHALE |
| 4687  | 4853 | 166        | SHALE          |
| 4853  | 4900 | 47         | SAND           |
| 4900  | 5160 | 260        | SAND AND SHALE |

