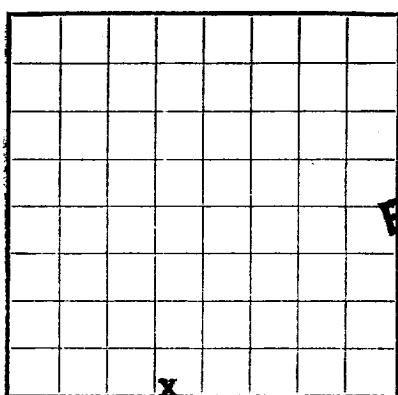


Form 9-330

U. S. LAND OFFICE New Mexico  
SERIAL NUMBER LC 029387(d)  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_

LOCATE WELL CORRECTLY

RECEIVED  
AUG 22 1963U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICOUNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYRECEIVED  
AUG 26 1963O. C. C.  
ARTESIA, OFFICE

## LOG OF OIL OR GAS WELL

Company Len Mayer Address Box 1495, Roswell, N.M.  
Lessor or Tract Kenwood-Federal Field Shugart State New Mexico  
Well No. 1 Sec 19 T 18S R. 31E Meridian NMPM County Eddy  
Location 330 ft. <sup>(N)</sup><sub>(S)</sub> of S Line and 2154 ft. <sup>(E)</sup><sub>(W)</sub> of W Line of 19 Elevation 3618  
(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 Len Mayer  
Date Aug. 20, 1963 Title Operator

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

Commenced drilling June 5, 1963 Finished drilling Aug. 12, 1963

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3400 to 3430 No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 3750 to 3770 No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ 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—         |                        |
| <u>8 5/8 28#</u> |                 | <u>8rd</u>       | <u>New</u> | <u>749</u>  | <u>Howco</u> |                     |             |             | <u>Water shutoff</u>   |
| <u>4 1/2 15#</u> |                 | <u>8rd</u>       | <u>New</u> | <u>3802</u> | <u>Howco</u> |                     | <u>3400</u> | <u>3750</u> | <u>Wall completion</u> |
|                  |                 |                  |            |             |              |                     | <u>3761</u> | <u>64</u>   |                        |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |

## 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 \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from 0 feet to 3802 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

\_\_\_\_\_, 19\_\_\_\_ Put to producing Aug. 20, 1963

The production for the first 24 hours was 45 barrels of fluid of which 100 % 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. \_\_\_\_\_

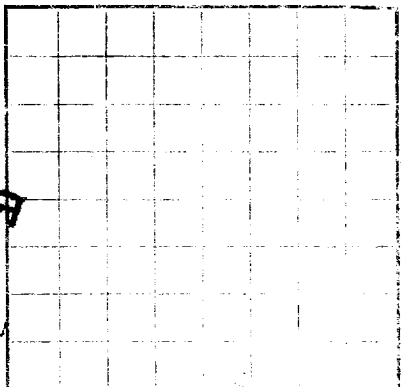
## EMPLOYEES

Cortez Drilling Company, Driller \_\_\_\_\_, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

## FORMATION RECORD

| FROM—       | TO—         | TOTAL FEET  | FORMATION                                       |
|-------------|-------------|-------------|-------------------------------------------------|
| <u>0</u>    | <u>749</u>  | <u>749</u>  | <u>Redbeds</u>                                  |
| <u>749</u>  | <u>1850</u> | <u>1101</u> | <u>Anhydrite, salt, redbeds</u>                 |
| <u>1850</u> | <u>3802</u> | <u>1952</u> | <u>Dolomite, w/intermediate sand stringers.</u> |

LEASE OR PERMIT TO PROSPECT  
SERIAL NUMBER 40 08257 (5)  
U.S. LAND OFFICE NEW MEXICO



LOCATE WELL CORRECTLY

# LOG OF OIL OR GAS WELL

\_\_\_\_\_

DEPARTMENT OF THE INTERIOR  
UNITED STATES

UNITED STATES

RECEIVED  
DEPT. OF AGRICULTURE  
WASHINGTON, D.C.

SECRET

10-11-61

The information given herewith is a complete and correct record of the well and all work done thereon  
 as far as can be determined from all available records.

Signed \_\_\_\_\_

Location 1/4 Sec. 17, T. 21 N. and R. 31 E. of 1 line of 19  
 Well No. 1 Sec. 17 T. 21 N. R. 31 E. Meridian N.M.P.M. County Elbert State Colo.  
 Location of Test 1/4 Sec. 17, T. 21 N. and R. 31 E. Meridian N.M.P.M. County Elbert State Colo.  
 Company Elbert Water Address Box 1495, Nowata, N.M.

Commenced drilling June 2, 1963 Finished drilling April 28, 1963

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

Date May 20, 1963 Title Section

OIL OR GAS SANDS OR ZONES

(Denote  $\varphi$  by  $\phi$ )

|            |      |    |      |            |    |
|------------|------|----|------|------------|----|
| No. 1 from | 3430 | to | 3430 | No. 4 from | to |
| No. 2 from | 3450 | to | 3770 | No. 5 from | to |
| No. 3 from |      | to |      | No. 6 from | to |

# IMPORTANT WATER SANDS

|            |    |            |    |
|------------|----|------------|----|
| No. 1 from | to | No. 3 from | to |
| No. 2 from | to | No. 4 from | to |

## CASING RECORD

| Size<br>inches                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Weight<br>per foot | Threads per<br>inch | Make | Amount | Kind of shoe | Cut and pulled from | Perforated<br>From - To - | Purpose |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------|------|--------|--------------|---------------------|---------------------------|---------|
| 3 1/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 10.5               | 14                  | Waco | 148    | Waco         |                     |                           | 5000 31 |
| <p>It is of the greatest importance to have a complete history of the well. Please state in detail the dates of drilling and logging with the reasons for the work and its results. If there were any changes made in the casing, pipe, billy, and if any casing was "sidetracked", 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 the water, state the material used, position, and results of pumping or balling.</p> |                    |                     |      |        |              |                     |                           |         |

U. S. GOVERNMENT PRINTING OFFICE  
16-42084-2

## HISTORY OF OIL OR GAS WELL

16-43084-2 U. S. GOVERNMENT PRINTING OFFICE

RECORDING AND CEMENTING RECORD

[illegible]

## PLUGS AND ADAPTERS

| Flowing plug - Material | Length | Depth set |
|-------------------------|--------|-----------|
| 1' 6" - 2' 0" - 2' 6"   | Size   |           |

# SHOOTING RECORD

[illegible]

TOOTS USED

|      |         |                |         |                |
|------|---------|----------------|---------|----------------|
| test | of test | test, and from | test to | test, and from |
| test | of test | test, and from | test to | test, and from |

## DATE

[illegible]

EMPLOYEES

|         |         |
|---------|---------|
| Driller | Driller |
| Driller | Driller |

FORMATION RECORD

| FROM— | TO—  | TOTAL FEET | FORMATION                                   |
|-------|------|------------|---------------------------------------------|
| 850   | 1000 | 1000       | Polymite, white, micaceous, and crystalline |
| 1000  | 1050 | 1050       | Anhydrite, salt, nodular                    |
| 1050  | 1100 | 1100       | Bedded                                      |