

U. S. LAND OFFICE New MexicoSERIAL NUMBER NM 01523-A

LEASE OR PERMIT TO PROSPECT

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company WEILL OIL COMPANY Address LOVINGTON, NEW MEXICO  
Lessor or Tract Honolulu-Federal Field wildcat State New Mexico  
Well No. 1 Sec 34 T 19S R 29E Meridian NMPH County ddy  
Location 330 ft. [N.] of S Line and 1650 ft. [E.] of W Line of Sec. 34 Elevation 3319'  
(Derrick floor relative to 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

HonoluluDate April 11, 1957Title President

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

Commenced drilling March 18, 1957 Finished drilling April 10, 1957

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

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 280' to 285' 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— |         |
| 7"          |                 |                  |      | <u>300'</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 1560 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

\_\_\_\_\_, 19\_\_\_\_ 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

\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
Shortes Drilling Co. Driller \_\_\_\_\_, Driller

## FORMATION RECORD

| FROM— | TO— | TOTAL FEET | FORMATION                          |
|-------|-----|------------|------------------------------------|
| 0     | 80  | 80         | GYP                                |
| 80    | 85  | 5          | shale                              |
| 85    | 90  | 5          | Anhy.                              |
| 90    | 93  | 3          | Red Bed                            |
| 93    | 120 | 27         | Blue shale                         |
| 120   | 125 | 5          | anhy.                              |
| 125   | 135 | 10         | shale and anhy.                    |
| 135   | 137 | 2          | Red Bed                            |
| 137   | 138 | 1          | anhy.                              |
| 138   | 162 | 24         | Red Bed                            |
| 162   | 200 | 38         | blue shale-silt                    |
| 200   | 220 | 20         | Red Bed                            |
| 220   | 225 | 5          | gyp and anhy.                      |
| 225   | 287 | 62         | red bed (Water at 280-285) + anhy. |
| 287   | 305 | 18         | anhy.                              |
| 305   | 385 | 80         | salt                               |
| 385   | 390 | 5          | anhy.                              |
| 390   | 540 | 250        | salt                               |
| 540   | 550 | 10         | polyolite                          |

(OVER)

FORMATION RECORD—CONTINUED

TO DIRECTOR, FBI

NEW 2 20 10 70 101

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21405 30 20442 210 310 110

[illegible]

## HISTORY OF OIL OR GAS WELL

| FROM—                                                                                                                | TO—  | TOTAL FEET | FORMATION            |
|----------------------------------------------------------------------------------------------------------------------|------|------------|----------------------|
| 50                                                                                                                   | 705  | 155        | salt                 |
| 05                                                                                                                   | 710  | 5          | polyfills            |
| 10                                                                                                                   | 854  | 144        | salt                 |
| 54                                                                                                                   | 857  | 3          | lime                 |
| 57                                                                                                                   | 950  | 93         | salt                 |
| 50                                                                                                                   | 950  | 3          | red bed              |
| 53                                                                                                                   | 987  | 34         | salt                 |
| 90                                                                                                                   | 990  | 3          | lime                 |
| 93                                                                                                                   | 1083 | 93         | salt and anhy.       |
| 83                                                                                                                   | 1262 | 179        | lime and anhy.       |
| 62                                                                                                                   | 1500 | 298        | lime, anhy. and sand |
| 60                                                                                                                   |      |            | total depth          |
| <p>Top of salt = 305 feet<br/> Bottom of salt = 1083 feet<br/> Top of Yates sand = 1262 feet</p> <p>from samples</p> |      |            |                      |