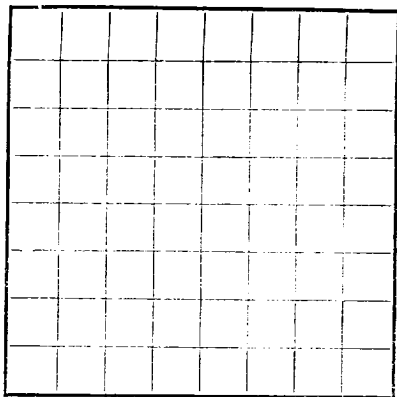


U. S. LAND OFFICE Las Cruces  
SERIAL NUMBER 037777  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Highland Corporation Address 3926 Wilshire Boulevard  
Los Angeles 5, California  
Lessor or Tract Levers Field Forest State New Mexico  
Well No. 3X Sec. 33 T. 16S R. 29E Meridian NMPM County Eddy  
Location 330 ft. N. of South Line and 1970 ft. E. of West Line of Sec. 33 Elevation \_\_\_\_\_  
(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

W. J. Pennington  
Title Agent

Date January 26, 1959

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

Commenced drilling December 11, 1958 Finished drilling January 19, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2366 to 2376 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 287 to 292 No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 1167 to 1176 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—  |         |
| 8 5/8       | 28              |                  | New  | 318    |              |                     |            |      |         |
| 5 1/2       | 14              |                  | New  | 2502   | Baker Float  |                     | 2366       | 2376 |         |
|             |                 |                  |      |        |              |                     |            |      |         |
|             |                 |                  |      |        |              |                     |            |      |         |
|             |                 |                  |      |        |              |                     |            |      |         |
|             |                 |                  |      |        |              |                     |            |      |         |
|             |                 |                  |      |        |              |                     |            |      |         |
|             |                 |                  |      |        |              |                     |            |      |         |
|             |                 |                  |      |        |              |                     |            |      |         |

MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 8 5/8       | 318       | 75                     |             |             |                    |
| 5 1/2       | 2502      | 150                    |             |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |

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 |
|------|------------|----------------|----------|------|------------|-------------------|
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |

Shot 2366 - 2376 - 2 hole shots/foot with 36,000 gallons oil and 40,000 sand

TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from 0 feet to 2502 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

B. R. Vandagriff, Driller B. L. Northcutt, Driller  
O. L. Andersen, Driller \_\_\_\_\_, Driller

FORMATION RECORD

| FROM— | TO—  | TOTAL FEET | FORMATION                                 |
|-------|------|------------|-------------------------------------------|
| 0     | 30   |            | Caliche and sand                          |
| 30    | 200  |            | Sand - red beds                           |
| 200   | 250  |            | Gypsum                                    |
| 250   | 237  |            | red beds                                  |
| 287   | 698  |            | Salt                                      |
| 698   | 835  |            | Anhy                                      |
| 835   | 1005 |            | Anhy - Red rock                           |
| 1005  | 1045 |            | Anhy - Shale                              |
| 1045  | 1205 |            | Anhy - Brown lime                         |
| 1167  | 1176 |            | Small show of oil                         |
| 1205  | 1690 |            | Anhy - Shale                              |
| 1690  | 1755 |            | Anhy - lime                               |
| 1755  | 2172 |            | Anhy - Lime - Shale                       |
| 2172  | 2336 |            | Lime and shale                            |
| 2336  | 2363 |            | 2202-2213 Good Gas show                   |
| 2363  | 2379 |            | Gray and pink lime                        |
| 2379  | 2396 |            | lime and pay dirt                         |
| 2396  | 2431 |            | Lime - Tested 1 hr. - 55 gallons free oil |
| 2431  | 2438 |            | Gray and white lime                       |
| 2438  | 2472 |            | Gray lime                                 |
| 2472  | 2479 |            | lime                                      |
| 2479  | 2499 |            | Oil sand                                  |
| 2499  | 2502 |            | lime                                      |
|       |      |            | T. D.                                     |

[OVER]

