

|       |       |
|-------|-------|
| 1820' | 1800' |
|-------|-------|



U. S. LAND OFFICE New Mexico  
SERIAL NUMBER NM 03011  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

# LOG OF OIL OR GAS WELL

## LOCATE WELL CORRECTLY

Company J. Felix Hickman Address 4115 Avenida Le Resolana, N.E.  
Albuquerque, New Mexico  
Lessor or Tract J. Felix Hickman Field Undesignated State N.M.  
Well No. 6 Sec. 5 T. 24N R. 3W Meridian N.M.P.M. County Rio Arriba  
Location 1820 ft. { N. } of N. Line and 1800 ft. { E. } of E. Line of Section 5 Elevation 7200'  
(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 J. Felix Hickman  
Date July 3, 1957 Title Owner

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

Commenced drilling May 27, 1957 Finished drilling June 1, 1957

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3452 to 3516 G

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

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

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

No. 5, 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 casing | Weight per foot | Threads per inch | Make | Amount | Kind of shoe | Cut and pulled from | Perforated |      | Purpose |
|-------------|-----------------|------------------|------|--------|--------------|---------------------|------------|------|---------|
|             |                 |                  |      |        |              |                     | From       | To   |         |
| 8-5/8       | 32              |                  |      | 150'   |              |                     |            |      |         |
| 5-1/2       | 15 1/2          |                  | J&J  | 6570'  | Halliburton  |                     | 3456       | 3472 |         |
|             |                 |                  |      |        |              |                     | 3496       | 3512 |         |
| 2-3/8       |                 |                  |      | 35708  |              |                     | 3496       | 3512 |         |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 8-5/8       | 170'      | 150 Sacks              |             |             |                    |
| 5-1/2       | 3570'     | 150 Sacks              |             |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |

## 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 3570 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.

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

## DATES

June 13, 1957 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 Estimated 6,000 M.C.F. Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. 975 lbs

## EMPLOYEES

Empire States Drilling Co., Inc., Driller \_\_\_\_\_, Driller \_\_\_\_\_  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller \_\_\_\_\_

## FORMATION RECORD

| FROM— | TO—   | TOTAL FEET                 | FORMATION |
|-------|-------|----------------------------|-----------|
|       | Top - | Ojo Alamo - 3000'          |           |
|       | Top - | Kirtland-Fruitland - 3166' |           |
|       | Top - | Pictured Cliff - 3452'     |           |

U.S. DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
WASHINGTON, D. C. 20240

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

J808

10087

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

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 \_\_\_\_\_

Location 1000 ft. N. of H. Line and 1000 ft. E. of H. Line of Section 6

Well No. 6 Sec. 5 T. 38N R. 3E Meridian N.W. 1/4 County Rio Arriba State N.M.

Lessor or Trust J. Felix Hickman Company J. Felix Hickman

Address Albuquerque, New Mexico Address Albuquerque, New Mexico

|                                                                                                                                                                               |                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Date _____<br>Title _____<br>The summary on this page is for the condition of the well at above date _____<br>Completed drilling _____, 1957<br>Finished drilling _____, 1957 | Date July 8, 1957<br>Title _____<br>The summary on this page is for the condition of the well at above date _____<br>Completed drilling _____, 1957<br>Finished drilling _____, 1957 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

OIL OR GAS SANDS OR ZONES

(\*)  $\mathcal{D}$  is a  $\mathcal{D}$ -module

|            |      |            |      |            |    |
|------------|------|------------|------|------------|----|
| No. 1 from | SGAE | to         | 2133 | No. 4 from | 63 |
| No. 2 from | 63   | No. 5 from | 63   |            |    |
| No. 3 from | 63   | No. 6 from | 63   |            |    |

# IMPORTANT WATER SAVING

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

## CASING RECORD

| Case No. | Well Name | Location   | Depth | Drilling Date | Drilling Method | Drilling Equipment | Drilling Personnel | Drilling Results | Drilling Notes |
|----------|-----------|------------|-------|---------------|-----------------|--------------------|--------------------|------------------|----------------|
| 100      | Well A    | Location A | 100   | 1950          | Hand            | Hand               | Hand               | Hand             | Hand           |
| 101      | Well B    | Location B | 100   | 1950          | Hand            | Hand               | Hand               | Hand             | Hand           |
| 102      | Well C    | Location C | 100   | 1950          | Hand            | Hand               | Hand               | Hand             | Hand           |
| 103      | Well D    | Location D | 100   | 1950          | Hand            | Hand               | Hand               | Hand             | Hand           |
| 104      | Well E    | Location E | 100   | 1950          | Hand            | Hand               | Hand               | Hand             | Hand           |
| 105      | Well F    | Location F | 100   | 1950          | Hand            | Hand               | Hand               | Hand             | Hand           |
| 106      | Well G    | Location G | 100   | 1950          | Hand            | Hand               | Hand               | Hand             | Hand           |
| 107      | Well H    | Location H | 100   | 1950          | Hand            | Hand               | Hand               | Hand             | Hand           |
| 108      | Well I    | Location I | 100   | 1950          | Hand            | Hand               | Hand               | Hand             | Hand           |
| 109      | Well J    | Location J | 100   | 1950          | Hand            | Hand               | Hand               | Hand             | Hand           |
| 110      | Well K    | Location K | 100   | 1950          | Hand            | Hand               | Hand               | Hand             | Hand           |
| 111      | Well L    | Location L | 100   | 1950          | Hand            | Hand               | Hand               | Hand             | Hand           |
| 112      | Well M    | Location M | 100   | 1950          | Hand            | Hand               | Hand               | Hand             | Hand           |
| 113      | Well N    | Location N | 100   | 1950          | Hand            | Hand               | Hand               | Hand             | Hand           |
| 114      | Well O    | Location O | 100   | 1950          | Hand            | Hand               | Hand               | Hand             | Hand           |
| 115      | Well P    | Location P | 100   | 1950          | Hand            | Hand               | Hand               | Hand             | Hand           |
| 116      | Well Q    | Location Q | 100   | 1950          | Hand            | Hand               | Hand               | Hand             | Hand           |
| 117      | Well R    | Location R | 100   | 1950          | Hand            | Hand               | Hand               | Hand             | Hand           |
| 118      | Well S    | Location S | 100   | 1950          | Hand            | Hand               | Hand               | Hand             | Hand           |
| 119      | Well T    | Location T | 100   | 1950          | Hand            | Hand               | Hand               | Hand             | Hand           |
| 120      | Well U    | Location U | 100   | 1950          | Hand            | Hand               | Hand               | Hand             | Hand           |
| 121      | Well V    | Location V | 100   | 1950          | Hand            | Hand               | Hand               | Hand             | Hand           |
| 122      | Well W    | Location W | 100   | 1950          | Hand            | Hand               | Hand               | Hand             | Hand           |
| 123      | Well X    | Location X | 100   | 1950          | Hand            | Hand               | Hand               | Hand             | Hand           |
| 124      | Well Y    | Location Y | 100   | 1950          | Hand            | Hand               | Hand               | Hand             | Hand           |
| 125      | Well Z    | Location Z | 100   | 1950          | Hand            | Hand               | Hand               | Hand             | Hand           |

# HISTORY OF OIL OR GAS WELL

16-43091-2 U. S. GOVERNMENT PRINTING OFFICE

**MIDDLING AND CEMENTING RECORD**

| Size<br>casting | Where set | Number weeks of cement | Method used | Kind gravelly | Amount of mud used |
|-----------------|-----------|------------------------|-------------|---------------|--------------------|
| 5/8             | 170'      | 150 weeks              |             |               |                    |
| 1/8             | 380'      | 150 weeks              |             |               |                    |

FLUGS AND ADLERS

| Adapters—Material     | Size      |
|-----------------------|-----------|
| Heaving plug—Material | Length    |
|                       | Depth and |

SHOOTING RECORD

[illegible]

TOOLS USED

|                                  |              |                |         |
|----------------------------------|--------------|----------------|---------|
| Rotary tools were used from 2570 | feet to 2570 | feet, and from | feet to |
| Rotary tools were used from 2570 | feet to 2570 | feet, and from | feet to |

DATE

|                                   |  |              |                                           |  |                         |          |
|-----------------------------------|--|--------------|-------------------------------------------|--|-------------------------|----------|
| If gas well, cu. ft. per 24 hours |  | % sediment.  | The production for the first 24 hours was |  | Paid so producing ..... | ..... 19 |
| Gasoline per 1,000 cu. ft. of gas |  | % water; and |                                           |  | % was oil               | ..... %  |
| Graivity, °Bé.                    |  |              |                                           |  |                         |          |

EMPLOYEES

|         |  |                         |
|---------|--|-------------------------|
| Driller |  | Emire Master Mining Co. |
| Driller |  | Driller                 |

FORMATION RECORD

| FROM | TO                       | TOTAL FEET | FORMATION |
|------|--------------------------|------------|-----------|
| Top  | Measured 01117 - 8458'   |            |           |
| Top  | Atlantic-England - 8468' |            |           |
| Top  | Ojo Alamo - 8490'        |            |           |

**FORMATION RECORD—Continued**