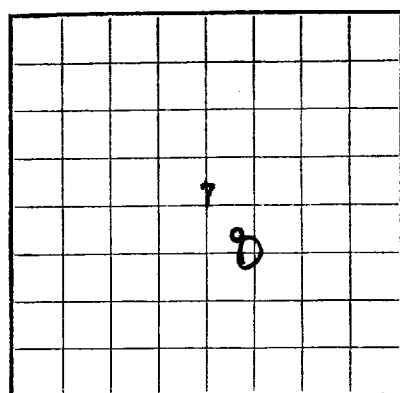


Form 9-330

U. S. LAND OFFICE Santa FeSERIAL NUMBER 078897

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company Gulf Oil Corporation Address Production Department  
P. O. Box 2097, Denver, Colorado  
Lessor or Tract Western-Federal Field Unnamed State New Mexico  
Well No. 2 Sec. 7 T. 26N R. 11W Meridian NMPM County San Juan  
Location 1980 ft. N of S Line and 1980 ft. E of E Line of Section Elevation 6100' Gr.  
(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 \_\_\_\_\_

Date June 21, 1957 Title Zone Drilling Engineer

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

Commenced drilling 5-11, 19 57 Finished drilling 5-24, 19 57

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5102 to 5114 (O&G) No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 5236 to 5260 (O&G) No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from 324 to 500 No. 3, from 2400 to 2500  
No. 2, from 1385 to 1515 No. 4, from 2935 to 3070  
2300 2370 3235 3460  
3580 3605

## CASING RECORD

| Size casing | Weight per foot | Threads per foot | Make          | Amount | Kind of shoe | Cut and pulled from | Perforated |      | Purpose    |
|-------------|-----------------|------------------|---------------|--------|--------------|---------------------|------------|------|------------|
|             |                 |                  |               |        |              |                     | From       | To   |            |
| 8-5/8       | 24              | 8RT              | SS            | 313    | HOWCO        | -                   | -          | -    | Surface    |
| 5-1/2       | 11              | 8RT              | SS            | 5326   | Baker        | 5108                | 5114       | 5114 | Production |
| 2-3/8       | On tubing       | 8RT, 4.77        | SS, New Rally | 5256   | Set at 5260  | 5235                | 5258       | 5258 |            |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 8-5/8       | 323       | 225                    | HOWCO       | -           | -                  |
| 5-1/2       | 5335      | 135                    | HOWCO       | -           | -                  |

## PLUGS AND ADAPTERS

Heaving plug—Material None Length \_\_\_\_\_ Depth set \_\_\_\_\_  
Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

## SHOOTING RECORD

| Size | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|------|------------|----------------|----------|------|------------|-------------------|
| None |            |                |          |      |            |                   |

## TOOLS USED PB w/cement to 5305'.

Rotary tools were used from surface feet to 5350 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

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

## DATES

\_\_\_\_\_, 19\_\_\_\_ Put to producing 6-14, 19 57

The production for the first 24 hours was 122 barrels of fluid of which 100% was oil; \_\_\_\_\_%  
emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment. 3/4" choke Gravity, °Bé. 39 degrees

If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. \_\_\_\_\_ Flow Pressures: Tubing 175 psi  
Casing 475 psi

## EMPLOYEES

Arapahoe Drilling Company \_\_\_\_\_, Driller \_\_\_\_\_, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

## FORMATION RECORD

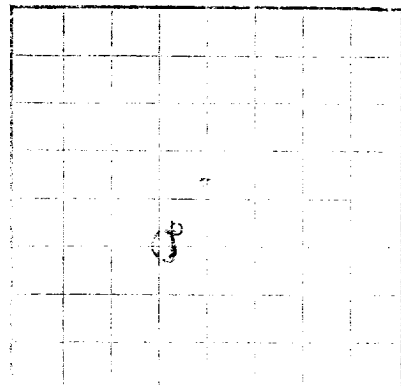
| FROM—           | TO—  | TOTAL FEET | FORMATION                      |
|-----------------|------|------------|--------------------------------|
| Surface         | 500  | 500        | Sand with some shale and silt  |
| 500             | 1385 | 885        | Shale with sand and silt       |
| 1385            | 1515 | 130        | Sand with shale interbeds      |
| 1515            | 2300 | 785        | Shale with minor sand and silt |
| 2300            | 4150 | 1850       | Interbedded sand and shale     |
| 4150            | 4980 | 830        | Shale with minor sand and silt |
| 4980            | 5260 | 280        | Sand with shale interbeds      |
| 5260            | TD   | 90         | Shale                          |
| Log Tops:       |      |            |                                |
| Pictured Cliffs |      |            | 1400'                          |
| Lewis           |      |            | 1515'                          |
| Mesaverde       |      |            | 2280'                          |
| Mancos          |      |            | 4098'                          |
| 1st Gallup      |      |            | 4985'                          |
| 2nd Gallup      |      |            | 5100'                          |
| 3rd Gallup      |      |            | 5220'                          |
| Base Gallup     |      |            | 5275'                          |

FORMATION RECORD—Continued

U. S. LAND OFFICE  
Special Number  
LEASE OR PERMIT TO PROSPECT

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



LOCATION / WELL CORRELATION

Company Name  
Address  
State  
County  
Section  
Twp. & Range  
Location  
The location given here is a complete and correct one of the well and an accurate one of the location of the well as determined from all available records.  
Signed

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

Commenced drilling  
Finished drilling

OIL OR GAS SANDS OR ZONES

(Denote by (1))

No. 1 from  
No. 2 from  
No. 3 from

HHP 1332 psi, stable after 24 hours

CI 42 hours: Casing pressure 1140 psi - tubing pressure 1150 psi

perforations with 60,000 psi, 60,000 psi

per foot. Treated with 1000 gallons mud acid. Retrieved

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was added, 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 pigs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

10-43094-2 U. S. GOVERNMENT PRINTING OFFICE

MUDGING AND CEMENTING RECORD

| Quantity of cement | Method used | Method used | Amount of mud used |
|--------------------|-------------|-------------|--------------------|
|                    |             |             |                    |
|                    |             |             |                    |
|                    |             |             |                    |
|                    |             |             |                    |

PLUGS AND ADAPTERS

|                         |        |           |
|-------------------------|--------|-----------|
| Leaving plug - Material | Length | Depth set |
| Adapters - Material     | Size   |           |

SHOOTING RECORD

| Size | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned |
|------|------------|----------------|----------|------|------------|---------------|
|      |            |                |          |      |            |               |
|      |            |                |          |      |            |               |
|      |            |                |          |      |            |               |
|      |            |                |          |      |            |               |

TOOLS USED

Tools used from foot to foot and from foot to foot

DATES

For the purpose of the first 24 hours was

EMPLOYEES

Driller  
Driller

FORMATION RECORD

| FROM | TO | TOTAL FEET | FORMATION |
|------|----|------------|-----------|
|      |    |            |           |
|      |    |            |           |
|      |    |            |           |
|      |    |            |           |
|      |    |            |           |
|      |    |            |           |
|      |    |            |           |
|      |    |            |           |
|      |    |            |           |

Recovered 19' shale, 31' sandstone, minor oil and gas bleeding

Recovered 50' shale, spots traces of oil and gas bleeding

Recovered 13' sandstone, bleeding oil and gas; 17' sandstone and shale;

Recovered 11' shale; 14' sandstone with shows of oil and gas bleeding