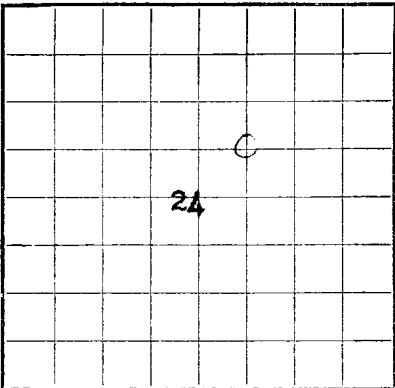


U. S. LAND OFFICE Santa Fe  
SERIAL NUMBER 078621-A  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Gulf Oil Corporation Address P. O. Box 38, Durango, Colorado  
Lessor or Tract Carson-Federal Field Bisti State New Mexico  
Well No. 5 Sec. 24 T. 25N R. 11W Meridian NMPM County San Juan  
Location 1980 ft. N. of N. Line and 1980 ft. E. of E. Line of Section Elevation 6521'  
(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 1-6-58 Title Area Production Supt.

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

Commenced drilling 10-5, 19 57 Finished drilling 10-18, 19 57

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4924 to 4941 No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 5014 to 5026 No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from 5059 to 5080 No. 6, from \_\_\_\_\_ to \_\_\_\_\_

IMPORTANT WATER SANDS

No. 1, from 305 to 312 No. 3, from 1400 to 1539  
No. 2, from 510 to 645 No. 4, from 1819 to 1965

CASING RECORD No. 5, from 2171 to 2440  
No. 6, from 3762 to 4112

| Size casing                 | Weight per foot | Threads per inch | Make | Amount | Kind of shoe  | Cut and pulled from | Perforated |      | Purpose    |
|-----------------------------|-----------------|------------------|------|--------|---------------|---------------------|------------|------|------------|
|                             |                 |                  |      |        |               |                     | From—      | To—  |            |
| 8 5/8                       | 24              | 8 RT             | SS   | 292    | Guide         | -                   | -          | -    | Surface    |
| 5 1/2                       | 14              | 8 RT             | SS   | 5190   | Guide & Float | -                   | 4924       | 4940 | Production |
|                             |                 |                  |      |        |               |                     | 5014       | 5026 |            |
|                             |                 |                  |      |        |               |                     | 5059       | 5080 |            |
| 2 3/8" Tubing set at 5088'. |                 |                  |      |        |               |                     |            |      |            |

MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 8 5/8       | 303       | 325                    | HOWCO       | -           | -                  |
| 5 1/2       | 5201      | 125                    | 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

Rotary tools were used from Surface feet to 5210 feet, and from PB w/Cement to 5169' feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

\_\_\_\_\_, 19\_\_\_\_ Put to producing 1-5, 19 58

The production for the first 24 hours was 8 barrels of fluid of which 99% was oil; \_\_\_\_\_% emulsion; 1% water; and \_\_\_\_\_% sediment. Gravity, °Bé. 34.80

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

Rock pressure, lbs. per sq. in. \_\_\_\_\_

EMPLOYEES

Herndon Drilling Co. - RT, Driller \_\_\_\_\_, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

FORMATION RECORD

| FROM—           | TO—  | TOTAL FEET | FORMATION                 |
|-----------------|------|------------|---------------------------|
| 305             | 510  | 205        | Sh.                       |
| 510             | 650  | 140        | SS. Shaly                 |
| 650             | 1400 | 750        | Sh. w/SS. Stringers       |
| 1400            | 1617 | 217        | SS. and Sh.               |
| 1617            | 1815 | 198        | Sh.                       |
| 1815            | 2002 | 187        | SS. w/Sh.                 |
| 2002            | 2162 | 160        | Sh.                       |
| 2162            | 2589 | 427        | SS. w/Sh. Stringers       |
| 2589            | 4112 | 1523       | SS. and Sh.               |
| 4112            | 4712 | 600        | Sh. w/sandy Sh. Stringers |
| 4712            | 4810 | 98         | SS. Shaly                 |
| 4810            | 4930 | 120        | Sh.                       |
| 4930            | 5123 | 193        | SS. and Sh.               |
| 5123            | 5207 | 84         | SS. w/Sh. Stringers       |
| E-LOG TOPS      |      |            |                           |
| Pictured Cliffs |      | 1410'      | Mancos 4085'              |
| Lewis           |      | 1542'      | 1st Gallup 4920'          |
| Mesaverde       |      | 2215       | 2nd Gallup 4997'          |
| Pt. Lookout     |      | 3884'      | 3rd Gallup 5109'          |

AT THE END OF COMPLETE DRILLER'S LOG, ADD CHANGES AND REVISIONS. WHETHER MADE BY DRILLER OR OTHER.

| FROM- | TO- | TOTAL FEET | FORMATION                                       |
|-------|-----|------------|-------------------------------------------------|
|       |     |            | Core No. 1, 49071 - 49581, Recovered 51' Shale. |

| FROM- | TO- | TOTAL FEET | FORMATION                                       |
|-------|-----|------------|-------------------------------------------------|
|       |     |            | Core No. 1, 49071 - 49581, Recovered 51' Shale. |

| FROM- | TO- | TOTAL FEET | FORMATION                                       |
|-------|-----|------------|-------------------------------------------------|
|       |     |            | Core No. 1, 49071 - 49581, Recovered 51' Shale. |

| FROM- | TO- | TOTAL FEET | FORMATION                                       |
|-------|-----|------------|-------------------------------------------------|
|       |     |            | Core No. 1, 49071 - 49581, Recovered 51' Shale. |

| FROM- | TO- | TOTAL FEET | FORMATION                                       |
|-------|-----|------------|-------------------------------------------------|
|       |     |            | Core No. 1, 49071 - 49581, Recovered 51' Shale. |