

Form 9-330

U. S. LAND OFFICE Ute Mountain

SERIAL NUMBER \_\_\_\_\_

LEASE OR PERMIT TO PROSPECT \_\_\_\_\_  
14-20-604-123

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Aztec Oil & Gas Company Address Box 786, Farmington, New Mexico  
Lessor or Tract Ute-Indian Field Verde-Gallup State New Mexico  
Well No. 1-D Sec. 24 T. 31N R. 15W Meridian N.M.P.M. County San Juan  
Location 660 ft. N. of S Line and 760 ft. W. of E Line of Section 24 Elevation 5553  
(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 ORIGINAL SIGNED BY JOE C. SALMON

Date August 18, 1958 Title District Superintendent

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

Commenced drilling April 17, 1958 Finished drilling July 1, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 284 to 3360 Oil  
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— |         |
| 10 3/4      | 32.75           | 8rd              | H-40     | 97'    |              |                     |            |     |         |
| 4 1/2       | 9.5             | 8rd              | Beth-Co. | 3284'  | 30" X 30"    |                     |            |     |         |
| 2 3/8       | 4.7             | 8rd              | J-55     | 3335   |              |                     |            |     |         |
|             |                 |                  |          |        |              |                     |            |     |         |
|             |                 |                  |          |        |              |                     |            |     |         |
|             |                 |                  |          |        |              |                     |            |     |         |
|             |                 |                  |          |        |              |                     |            |     |         |

MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used  | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|--------------|-------------|--------------------|
| 10 3/4      | 96'       | 150                    | Displacement |             |                    |
| 4 1/2       | 3284'     | 50                     | Two-Plug     |             |                    |
| 2 3/8       | 3335      |                        |              |             |                    |
|             |           |                        |              |             |                    |
|             |           |                        |              |             |                    |
|             |           |                        |              |             |                    |
|             |           |                        |              |             |                    |

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 |
|------------------------------------------------------------------------------------------------|------------|----------------|----------|------|------------|-------------------|
| <del>Sand-oil fraced open hole 3284' to 3360' with 997 barrels oil and 40,000 lbs. sand.</del> |            |                |          |      |            |                   |
|                                                                                                |            |                |          |      |            |                   |
|                                                                                                |            |                |          |      |            |                   |
|                                                                                                |            |                |          |      |            |                   |

TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from 0 feet to 3360 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

July 2, 1958 Put to producing July 3, 1958

The production for the first 24 hours was 450 barrels of fluid of which 100 % 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  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

FORMATION RECORD

| FROM— | TO—  | TOTAL FEET | FORMATION                |
|-------|------|------------|--------------------------|
| 0     | 100  | 100        | Surface                  |
| 100   | 110  | 10         | Shale                    |
| 110   | 370  | 260        | Sand and Shale           |
| 370   | 860  | 490        | Sand                     |
| 860   | 890  | 30         | Shale with trace of Coal |
| 890   | 930  | 40         | Sand                     |
| 930   | 950  | 20         | Shale and Coal           |
| 950   | 1010 | 60         | Sand and Shale           |
| 1010  | 1170 | 160        | Shale and Coal           |
| 1170  | 1230 | 60         | Sand                     |
| 1230  | 1250 | 20         | Sand and Shale           |
| 1250  | 1300 | 50         | Sand                     |
| 1300  | 1360 | 60         | Sand, Shale and Coal     |
| 1360  | 1390 | 30         | Sand                     |
| 1390  | 1440 | 50         | Sand and Shale           |
| 1440  | 1460 | 20         | Sand                     |
| 1460  | 1500 | 40         | Shale and Coal           |
| 1500  | 1570 | 70         | Sand and Shale           |
| 1570  | 1630 | 60         | Sand and Shale           |
| 1630  | 1680 | 50         | Sand                     |
| 1680  | 1740 | 60         | Shale                    |
| 1740  | 1820 | 80         | Sand and Shale           |
| 1820  | 1830 | 10         | Shale                    |
| 1830  | 1920 | 90         | Sand                     |
| 1920  | 1940 | 20         | Shale                    |
| 1940  | 1950 | 10         | Sand                     |

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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 "sidetracked" 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 plugs 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

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|                      |      |     |                |
|----------------------|------|-----|----------------|
| 1950                 | 1970 | 20  | Shale          |
| 1970                 | 2090 | 20  | Sand           |
| 2090                 | 2150 | 60  | Sand and Shale |
| 2150                 | 2450 | 200 | Shale          |
| 2450                 | 2480 | 30  | Sand           |
| 2480                 | 3360 | 880 | Sand and Shale |
| Top: Cliff House 684 |      |     |                |
| Menefee 2082 852     |      |     |                |
| Point Lookout 1623   |      |     |                |
| Mancoos 2087         |      |     |                |
| Lower Gallup 3327    |      |     |                |