

LAND OFFICE

SERIAL NUMBER

LEASE OR PERMIT

36

■

LOCATE WELL CORRECTLY

RECEIVED DEPARTMENT OF THE INTERIOR  
BUREAU OF MINES  
PETROLEUM DIVISION

FEB 15 1961

U. S. GEOLOGICAL SURVEY  
DURANGO, COLO

RECEIVED

APR 20 1926

U. S. GEOLOGICAL SURVEY  
SHIPROCK, NEW MEXICO

# LOG OF OIL OR GAS WELL

Company Midwest Refining Co. Address Casper, Wyo.  
Lessor or Tract Government Field Ute State New Mexico  
Well No. 1 (30X) Sec. 36 T. 32 R. 14 Meridian \_\_\_\_\_ County San Juan  
Location 635 ft. [N.] of S. Line and 25 ft. [E.] of W Line of SW 36 Elevation 6508.4  
(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 \_\_\_\_\_

Signed

Title

Date \_\_\_\_\_

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

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

Commenced drilling July 13, 1921 Finished drilling October 22, 1921

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2190 to 2325 (G) No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

IMPORTANT WATER SAMPLES

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

## CASING RECORD

| CASING RECORD     |                 |                  |      |                                      |              |                     | Perforated |    | Purpose |
|-------------------|-----------------|------------------|------|--------------------------------------|--------------|---------------------|------------|----|---------|
| Size casing       | Weight per foot | Threads per inch | Make | Depth<br><del>XXXXXX</del><br>Landed | Kind of shoe | Cut and pulled from | From       | To |         |
| 15 $\frac{1}{2}$  | 70#             | 10               |      | 524                                  |              |                     |            |    |         |
| 12 $\frac{1}{2}$  | 50#             | 10               |      | 1205                                 |              |                     |            |    |         |
| 10                | 40#             | 10               |      | 1971                                 |              |                     |            |    |         |
| 8 $\frac{3}{4}$ " | 32#             | 10               |      |                                      |              |                     |            |    |         |
|                   |                 |                  |      |                                      |              |                     |            |    |         |
|                   |                 |                  |      |                                      |              |                     |            |    |         |

RECEIVED  
SEP 28 1987  
OIL CON

CASING OR TOOLS LOST OR SIDETRACKED

From \_\_\_\_\_ to \_\_\_\_\_ Description \_\_\_\_\_

From \_\_\_\_\_ to \_\_\_\_\_ Description \_\_\_\_\_

From \_\_\_\_\_ to \_\_\_\_\_ Description \_\_\_\_\_

## MUDDING AND CEMENTING RECORD



Located on 32<sup>nd</sup> Section 36, Township 32, North, Range 14 West, N.M.P.M.  
Ute Indian Reservation, San Juan County, New Mexico.

Leased to The Midwest Refining Company. Drilling commenced July 15, 1921  
and completed October 22, 1921. Production - Gas.

|      |         |     |                                         |
|------|---------|-----|-----------------------------------------|
| 0    | 8       | 8   | Surface                                 |
| 8    | 14      | 9   | Sand                                    |
| 14   | 45      | 31  | Shale                                   |
| 45   | 60      | 15  | Sand                                    |
| 60   | 78      | 18  | Shale                                   |
| 78   | 96      | 23  | Black shale                             |
| 96   | 130     | 32  | Hard sand                               |
| 130  | 180     | 20  | Broken shale                            |
| 180  | 165     | 15  | Hard sand                               |
| 165  | 185     | 20  | Sand, hard                              |
| 185  | 195     | 10  | Shale                                   |
| 195  | 205     | 10  | Shale                                   |
| 205  | 215     | 10  | Sand - showing oil and gas at 210'      |
| 215  | 220     | 5   | Shale, crevice at 220'                  |
| 220  | 230     | 10  | Sand, hard                              |
| 230  | 245     | 15  | Hard white sand                         |
| 245  | 255     | 10  | Close dark sand                         |
| 255  | 280     | 25  | Broken shale                            |
| 280  | 255     | 5   | Sand                                    |
| 285  | 300     | 15  | Shale                                   |
| 300  | 305     | 5   | Hard dark sand                          |
| 305  | 320     | 15  | Shale, dark                             |
| 320  | 330     | 10  | Shale                                   |
| 330  | 345     | 15  | White shale                             |
| 345  | 355     | 10  | Shale                                   |
| 355  | 375     | 20  | Light hard shale                        |
| 375  | 385     | 10  | Light hard rock                         |
| 385  | 400     | 12  | Light shale                             |
| 400  | 410     | 10  | Sand                                    |
| 410  | 440     | 30  | Dark shale                              |
| 440  | 455     | 15  | Muddy shale                             |
| 455  | 490     | 35  | Dark shale                              |
| 490  | 530     | 40  | Dark shale                              |
| 520  | 524     | 4   | ?                                       |
| 524  | 544     | 20  | Brown sandy shale                       |
| 544  | 574     | 30  | Brown sandy shale                       |
| 574  | 610     | 36  | Brown sandy shale - gas at 610'         |
| 610  | 710     | 100 | Gray shale                              |
| 710  | 740     | 30  | Gray shale with hard sandy shale streak |
| 740  | 860     | 120 | Gray shale                              |
| 860  | 880     | 20  | Sharp sandy gray shale                  |
| 880  | 970     | 90  | Gray shale                              |
| 970  | 975     | 5   | Hard shell                              |
| 975  | 1015    | 40  | Gray sandy shale                        |
| 1015 | 1400    | 385 | Gray shale                              |
| 1400 | 1635    | 235 | Brown shale                             |
| 1635 | 1735    | 100 | Gray shale                              |
| 1735 | 1910    | 175 | Black shale                             |
| 1910 | 1950    | 40  | Soft black shale                        |
| 1950 | 2050    | 100 | Soft cavity black shale                 |
| 2050 | 2100    | 50  | Hard gray shale-2090-2095 shell         |
| 2100 | 2150    | 50  | Hard shell-gray shale                   |
| 2150 | 2190    | 40  | Hard gray shale                         |
| 2190 | 2210    | 20  | Sand and gas                            |
| 2210 | 2265    | 55  | Sand                                    |
| 2265 | 22 2265 | 20  | ?                                       |
| 2265 | 2320    | 55  | Sand, strong flow gas- approx 4,000,000 |
| 2320 | 2325    | 5   | Sand                                    |

Drilled in about 2' and doubled flow of gas. At end of screw it was apparently  
drilling on hard shell. Railed out three or four ordinary baskets of samples  
which showed coal, shells, sand and pyrites along with these was cavings.  
Caught fire, burnt to ground  
Casing jammed and cannot complete well.  
Gas being used to drill No. 2 Well.

21 3 30

SEP 28 1927  
OIL CON. DIV.  
DIST. 3

23 3 31

Shale