

(Navajo)

U. S. LAND OFFICE Santa Fe

SERIAL NUMBER 11-20-403-2034

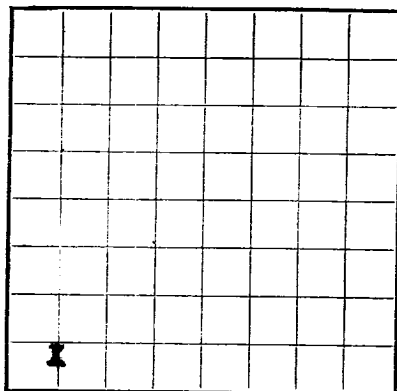
LEASE OR PERMIT TO PROSPECT

Co. No. 234571

UNITED STATES Navajo Tribe

DEPARTMENT OF THE INTERIOR MAY 11 1959

GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Humble Oil & Refining Company Address Box 1264, Farmington, New Mexico
Lessor or Tract Navajo Tribe Field Chimney Rock Gallup State New Mexico
Well No. 11 Sec. 10 T. 31-S R. 17-W Meridian NM County San Juan
Location 660 ft. ^{N.}_{S.} of 8 Line and 660 ft. ^{E.}_{W.} of 4 Line of Section 10 Elevation 5123' 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 Russell M. LillyDate May 11, 1959 Russell M. Lilly District Superintendent

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

Commenced drilling April 13, 1959 Finished drilling April 16, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)
No. 1, from 0 to 10 ft. No. 2, from 10 to 20 ft. No. 3, from 20 to 30 ft. No. 4, from 30 to 40 ft. No. 5, from 40 to 50 ft. No. 6, from 50 to 60 ft. No. 7, from 60 to 70 ft. No. 8, from 70 to 80 ft. No. 9, from 80 to 90 ft. No. 10, from 90 to 100 ft. No. 11, from 100 to 110 ft. No. 12, from 110 to 120 ft. No. 13, from 120 to 130 ft. No. 14, from 130 to 140 ft. No. 15, from 140 to 150 ft. No. 16, from 150 to 160 ft. No. 17, from 160 to 170 ft. No. 18, from 170 to 180 ft. No. 19, from 180 to 190 ft. No. 20, from 190 to 200 ft. No. 21, from 200 to 210 ft. No. 22, from 210 to 220 ft. No. 23, from 220 to 230 ft. No. 24, from 230 to 240 ft. No. 25, from 240 to 250 ft. No. 26, from 250 to 260 ft. No. 27, from 260 to 270 ft. No. 28, from 270 to 280 ft. No. 29, from 280 to 290 ft. No. 30, from 290 to 300 ft. No. 31, from 300 to 310 ft. No. 32, from 310 to 320 ft. No. 33, from 320 to 330 ft. No. 34, from 330 to 340 ft. No. 35, from 340 to 350 ft. No. 36, from 350 to 360 ft. No. 37, from 360 to 370 ft. No. 38, from 370 to 380 ft. No. 39, from 380 to 390 ft. No. 40, from 390 to 400 ft. No. 41, from 400 to 410 ft. No. 42, from 410 to 420 ft. No. 43, from 420 to 430 ft. No. 44, from 430 to 440 ft. No. 45, from 440 to 450 ft. No. 46, from 450 to 460 ft. No. 47, from 460 to 470 ft. No. 48, from 470 to 480 ft. No. 49, from 480 to 490 ft. No. 50, from 490 to 500 ft. No. 51, from 500 to 510 ft. No. 52, from 510 to 520 ft. No. 53, from 520 to 530 ft. No. 54, from 530 to 540 ft. No. 55, from 540 to 550 ft. No. 56, from 550 to 560 ft. No. 57, from 560 to 570 ft. No. 58, from 570 to 580 ft. No. 59, from 580 to 590 ft. No. 60, from 590 to 600 ft. No. 61, from 600 to 610 ft. No. 62, from 610 to 620 ft. No. 63, from 620 to 630 ft. No. 64, from 630 to 640 ft. No. 65, from 640 to 650 ft. No. 66, from 650 to 660 ft. No. 67, from 660 to 670 ft. No. 68, from 670 to 680 ft. No. 69, from 680 to 690 ft. No. 70, from 690 to 700 ft. No. 71, from 700 to 710 ft. No. 72, from 710 to 720 ft. No. 73, from 720 to 730 ft. No. 74, from 730 to 740 ft. No. 75, from 740 to 750 ft. No. 76, from 750 to 760 ft. No. 77, from 760 to 770 ft. No. 78, from 770 to 780 ft. No. 79, from 780 to 790 ft. No. 80, from 790 to 800 ft. No. 81, from 800 to 810 ft. No. 82, from 810 to 820 ft. No. 83, from 820 to 830 ft. No. 84, from 830 to 840 ft. No. 85, from 840 to 850 ft. No. 86, from 850 to 860 ft. No. 87, from 860 to 870 ft. No. 88, from 870 to 880 ft. No. 89, from 880 to 890 ft. No. 90, from 890 to 900 ft. No. 91, from 900 to 910 ft. No. 92, from 910 to 920 ft. No. 93, from 920 to 930 ft. No. 94, from 930 to 940 ft. No. 95, from 940 to 950 ft. No. 96, from 950 to 960 ft. No. 97, from 960 to 970 ft. No. 98, from 970 to 980 ft. No. 99, from 980 to 990 ft. No. 100, from 990 to 1000 ft. No. 101, from 1000 to 1010 ft. No. 102, from 1010 to 1020 ft. No. 103, from 1020 to 1030 ft. No. 104, from 1030 to 1040 ft. No. 105, from 1040 to 1050 ft. No. 106, from 1050 to 1060 ft. No. 107, from 1060 to 1070 ft. No. 108, from 1070 to 1080 ft. No. 109, from 1080 to 1090 ft. No. 110, from 1090 to 1100 ft. No. 111, from 1100 to 1110 ft. No. 112, from 1110 to 1120 ft. No. 113, from 1120 to 1130 ft. No. 114, from 1130 to 1140 ft. No. 115, from 1140 to 1150 ft. No. 116, from 1150 to 1160 ft. No. 117, from 1160 to 1170 ft. No. 118, from 1170 to 1180 ft. No. 119, from 1180 to 1190 ft. No. 120, from 1190 to 1200 ft. No. 121, from 1200 to 1210 ft. No. 122, from 1210 to 1220 ft. No. 123, from 1220 to 1230 ft. No. 124, from 1230 to 1240 ft. No. 125, from 1240 to 1250 ft. No. 126, from 1250 to 1260 ft. No. 127, from 1260 to 1270 ft. No. 128, from 1270 to 1280 ft. No. 129, from 1280 to 1290 ft. No. 130, from 1290 to 1300 ft. No. 131, from 1300 to 1310 ft. No. 132, from 1310 to 1320 ft. No. 133, from 1320 to 1330 ft. No. 134, from 1330 to 1340 ft. No. 135, from 1340 to 1350 ft. No. 136, from 1350 to 1360 ft. No. 137, from 1360 to 1370 ft. No. 138, from 1370 to 1380 ft. No. 139, from 1380 to 1390 ft. No. 140, from 1390 to 1400 ft. No. 141, from 1400 to 1410 ft. No. 142, from 1410 to 1420 ft. No. 143, from 1420 to 1430 ft. No. 144, from 1430 to 1440 ft. No. 145, from 1440 to 1450 ft. No. 146, from 1450 to 1460 ft. No. 147, from 1460 to 1470 ft. No. 148, from 1470 to 1480 ft. No. 149, from 1480 to 1490 ft. No. 150, from 1490 to 1500 ft. No. 151, from 1500 to 1510 ft. No. 152, from 1510 to 1520 ft. No. 153, from 1520 to 1530 ft. No. 154, from 1530 to 1540 ft. No. 155, from 1540 to 1550 ft. No. 156, from 1550 to 1560 ft. No. 157, from 1560 to 1570 ft. No. 158, from 1570 to 1580 ft. No. 159, from 1580 to 1590 ft. No. 160, from 1590 to 1600 ft. No. 161, from 1600 to 1610 ft. No. 162, from 1610 to 1620 ft. No. 163, from 1620 to 1630 ft. No. 164, from 1630 to 1640 ft. No. 165, from 1640 to 1650 ft. No. 166, from 1650 to 1660 ft. No. 167, from 1660 to 1670 ft. No. 168, from 1670 to 1680 ft. No. 169, from 1680 to 1690 ft. No. 170, from 1690 to 1700 ft. No. 171, from 1700 to 1710 ft. No. 172, from 1710 to 1720 ft. No. 173, from 1720 to 1730 ft. No. 174, from 1730 to 1740 ft. No. 175, from 1740 to 1750 ft. No. 176, from 1750 to 1760 ft. No. 177, from 1760 to 1770 ft. No. 178, from 1770 to 1780 ft. No. 179, from 1780 to 1790 ft. No. 180, from 1790 to 1800 ft. No. 181, from 1800 to 1810 ft. No. 182, from 1810 to 1820 ft. No. 183, from 1820 to 1830 ft. No. 184, from 1830 to 1840 ft. No. 185, from 1840 to 1850 ft. No. 186, from 1850 to 1860 ft. No. 187, from 1860 to 1870 ft. No. 188, from 1870 to 1880 ft. No. 189, from 1880 to 1890 ft. No. 190, from 1890 to 1900 ft. No. 191, from 1900 to 1910 ft. No. 192, from 1910 to 1920 ft. No. 193, from 1920 to 1930 ft. No. 194, from 1930 to 1940 ft. No. 195, from 1940 to 1950 ft. No. 196, from 1950 to 1960 ft. No. 197, from 1960 to 1970 ft. No. 198, from 1970 to 1980 ft. No. 199, from 1980 to 1990 ft. No. 200, from 1990 to 2000 ft. No. 201, from 2000 to 2010 ft. No. 202, from 2010 to 2020 ft. No. 203, from 2020 to 2030 ft. No. 204, from 2030 to 2040 ft. No. 205, from 2040 to 2050 ft. No. 206, from 2050 to 2060 ft. No. 207, from 2060 to 2070 ft. No. 208, from 2070 to 2080 ft. No. 209, from 2080 to 2090 ft. No. 210, from 2090 to 2100 ft. No. 211, from 2100 to 2110 ft. No. 212, from 2110 to 2120 ft. No. 213, from 2120 to 2130 ft. No. 214, from 2130 to 2140 ft. No. 215, from 2140 to 2150 ft. No. 216, from 2150 to 2160 ft. No. 217, from 2160 to 2170 ft. No. 218, from 2170 to 2180 ft. No. 219, from 2180 to 2190 ft. No. 220, from 2190 to 2200 ft. No. 221, from 2200 to 2210 ft. No. 222, from 2210 to 2220 ft. No. 223, from 2220 to 2230 ft. No. 224, from 2230 to 2240 ft. No. 225, from 2240 to 2250 ft. No. 226, from 2250 to 2260 ft. No. 227, from 2260 to 2270 ft. No. 228, from 2270 to 2280 ft. No. 229, from 2280 to 2290 ft. No. 230, from 2290 to 2300 ft. No. 231, from 2300 to 2310 ft. No. 232, from 2310 to 2320 ft. No. 233, from 2320 to 2330 ft. No. 234, from 2330 to 2340 ft. No. 235, from 2340 to 2350 ft. No. 236, from 2350 to 2360 ft. No. 237, from 2360 to 2370 ft. No. 238, from 2370 to 2380 ft. No. 239, from 2380 to 2390 ft. No. 240, from 2390 to 2400 ft. No. 241, from 2400 to 2410 ft. No. 242, from 2410 to 2420 ft. No. 243, from 2420 to 2430 ft. No. 244, from 2430 to 2440 ft. No. 245, from 2440 to 2450 ft. No. 246, from 2450 to 2460 ft. No. 247, from 2460 to 2470 ft. No. 248, from 2470 to 2480 ft. No. 249, from 2480 to 2490 ft. No. 250, from 2490 to 2500 ft. No. 251, from 2500 to 2510 ft. No. 252, from 2510 to 2520 ft. No. 253, from 2520 to 2530 ft. No. 254, from 2530 to 2540 ft. No. 255, from 2540 to 2550 ft. No. 256, from 2550 to 2560 ft. No. 257, from 2560 to 2570 ft. No. 258, from 2570 to 2580 ft. No. 259, from 2580 to 2590 ft. No. 260, from 2590 to 2600 ft. No. 261, from 2600 to 2610 ft. No. 262, from 2610 to 2620 ft. No. 263, from 2620 to 2630 ft. No. 264, from 2630 to 2640 ft. No. 265, from 2640 to 2650 ft. No. 266, from 2650 to 2660 ft. No. 267, from 2660 to 2670 ft. No. 268, from 2670 to 2680 ft. No. 269, from 2680 to 2690 ft. No. 270, from 2690 to 2700 ft. No. 271, from 2700 to 2710 ft. No. 272, from 2710 to 2720 ft. No. 273, from 2720 to 2730 ft. No. 274, from 2730 to 2740 ft. No. 275, from 2740 to 2750 ft. No. 276, from 2750 to 2760 ft. No. 277, from 2760 to 2770 ft. No. 278, from 2770 to 2780 ft. No. 279, from 2780 to 2790 ft. No. 280, from 2790 to 2800 ft. No. 281, from 2800 to 2810 ft. No. 282, from 2810 to 2820 ft. No. 283, from 2820 to 2830 ft. No. 284, from 2830 to 2840 ft. No. 285, from 2840 to 2850 ft. No. 286, from 2850 to 2860 ft. No. 287, from 2860 to 2870 ft. No. 288, from 2870 to 2880 ft. No. 289, from 2880 to 2890 ft. No. 290, from 2890 to 2900 ft. No. 291, from 2900 to 2910 ft. No. 292, from 2910 to 2920 ft. No. 293, from 2920 to 2930 ft. No. 294, from 2930 to 2940 ft. No. 295, from 2940 to 2950 ft. No. 296, from 2950 to 2960 ft. No. 297, from 2960 to 2970 ft. No. 298, from 2970 to 2980 ft. No. 299, from 2980 to 2990 ft. No. 300, from 2990 to 3000 ft. No. 301, from 3000 to 3010 ft. No. 302, from 3010 to 3020 ft. No. 303, from 3020 to 3030 ft. No. 304, from 3030 to 3040 ft. No. 305, from 3040 to 3050 ft. No. 306, from 3050 to 3060 ft. No. 307, from 3060 to 3070 ft. No. 308, from 3070 to 3080 ft. No. 309, from 3080 to 3090 ft. No. 310, from 3090 to 3100 ft. No. 311, from 3100 to 3110 ft. No. 312, from 3110 to 3120 ft. No. 313, from 3120 to 3130 ft. No. 314, from 3130 to 3140 ft. No. 315, from 3140 to 3150 ft. No. 316, from 3150 to 3160 ft. No. 317, from 3160 to 3170 ft. No. 318, from 3170 to 3180 ft. No. 319, from 3180 to 3190 ft. No. 320, from 3190 to 3200 ft. No. 321, from 3200 to 3210 ft. No. 322, from 3210 to 3220 ft. No. 323, from 3220 to 3230 ft. No. 324, from 3230 to 3240 ft. No. 325, from 3240 to 3250 ft. No. 326, from 3250 to 3260 ft. No. 327, from 3260 to 3270 ft. No. 328, from 3270 to 3280 ft. No. 329, from 3280 to 3290 ft. No. 330, from 3290 to 3300 ft. No. 331, from 3300 to 3310 ft. No. 332, from 3310 to 3320 ft. No. 333, from 3320 to 3330 ft. No. 334, from 3330 to 3340 ft. No. 335, from 3340 to 3350 ft. No. 336, from 3350 to 3360 ft. No. 337, from 3360 to 3370 ft. No. 338, from 3370 to 3380 ft. No. 339, from 3380 to 3390 ft. No. 340, from 3390 to 3400 ft. No. 341, from 3400 to 3410 ft. No. 342, from 3410 to 3420 ft. No. 343, from 3420 to 3430 ft. No. 344, from 3430 to 3440 ft. No. 345, from 3440 to 3450 ft. No. 346, from 3450 to 3460 ft. No. 347, from 3460 to 3470 ft. No. 348, from 3470 to 3480 ft. No. 349, from 3480 to 3490 ft. No. 350, from 3490 to 3500 ft. No. 351, from 3500 to 3510 ft. No. 352, from 3510 to 3520 ft. No. 353, from 3520 to 3530 ft. No. 354, from 3530 to 3540 ft. No. 355, from 3540 to 3550 ft. No. 356, from 3550 to 3560 ft. No. 357, from 3560 to 3570 ft. No. 358, from 3570 to 3580 ft. No. 359, from 3580 to 3590 ft. No. 360, from 3590 to 3600 ft. No. 361, from 3600 to 3610 ft. No. 362, from 3610 to 3620 ft. No. 363, from 3620 to 3630 ft. No. 364, from 3630 to 3640 ft. No. 365, from 3640 to 3650 ft. No. 366, from 3650 to 3660 ft. No. 367, from 3660 to 3670 ft. No. 368, from 3670 to 3680 ft. No. 369, from 3680 to 3690 ft. No. 370, from 3690 to 3700 ft. No. 371, from 3700 to 3710 ft. No. 372, from 3710 to 3720 ft. No. 373, from 3720 to

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1983 1984 1985 1986 1987

SECRET

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

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 of _____
of _____
Line of _____

County _____
State _____

Field _____
Address _____
Company or Trust _____

Well No. _____ Sec. _____ T. _____ R. _____ Meridian _____

The summary on this page is for the collection of the work and is not to be used for any other purpose.

..... 91 91

NO INFO HAS BEEN OBTAINED

(Derecho de uso de la ley)

Spudded 6 hole 4/13/59. Set 7" @ casing at 45' w/ 7 sacks regular cement. Drilled with 8 1/2" bit 6-1/4" hole to 80' @ 660' w/ 4 sacks. (After running shoe logs.) Pumped 200 gals. w/ 2 oil. Run 2 1/2" Ray & Collier logs. Perforated from 826' to 836' w/ 2 jet shoes per foot. Sand/Oil fractured from 836' to 856' w/ 20,000 lbs. 1000' gals. 1500'. Grained sand from 816' to 847'. Set 2" tubing at 830'. Run rods & pump and installed pumping unit. On 1st 1/2 hole cost on 16-20" 5 1/2" produced gas at rate of 136 MCF/day. Patted rods and pump. Installed wellhead. Completed as a shut in associated gas well - not to be produced.

[illegible]

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]

FORMATION RECORD—Continued