

Budget Bureau No. 42-R-355.3.  
Approval expires 12-31-55.

U. S. LAND OFFICE Santa Fe-----

SERIAL NUMBER SF-078767

LEASE OR PERMIT TO PROSPECT:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

MIT TO PROSPECT  
-001-187  
GR **RECEIVED**  
23 1957  
OIL CON. COM.  
DIST. 3

# LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company PACIFIC NORTHWEST PIPELINE CORP. Address 405 1/2 W. Broadway, Farmington

Lessor or Tract Rosa Field Blanco Mesa Verde State New Mexico

Well No. 19-24 Sec. 24 T. 31N R. 6W Meridian N.M.P.M. County Bio Arriba

Location 1650' ft. N. of 3 Line and 1650 ft. E. of W Line of Section 24 Elevation 6313  
(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.

Date July 9, 1957 Title Division Manager

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

Commenced drilling May 24, 1957 Finished drilling June 7, 1957

## OIL OR GAS SANDS OR ZONES

(Denote gas by  $G$ )

No. 1, from C. 5734' to 5610' No. 4, from \_\_\_\_\_ to \_\_\_\_\_

No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_

No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from None to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_

No. 2, 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.             | J & L | 184.75  | Guide        |                     |            |     |         |
| 7-5/8       | 26.14           | 8rd.             | DEPA  | 754.62  | Guide        |                     |            |     |         |
| 5-1/2       | 16.11           | 8rd.             | DEPA  | 249.52  | Floot        |                     |            |     |         |
| 1-1/4       | 2.40            | 10rd.            |       | 7716.68 | (Tubing)     |                     |            |     |         |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 10-3/4      | 196.75    | 175                    | Pump Plug   |             |                    |
| 7-5/8       | 3570'     | 200                    | Pump Plug   |             |                    |
| 5-1/2       | 2830'     | 200                    | Pump Plug   |             |                    |

## 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 |
|------|------------|----------------|----------|------|------------|-------------------|
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |

## TOOLS USED

Rotary tools were used from 0' feet to 5830' feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

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

## DATES

June 19, 1957 Put to producing \_\_\_\_\_, 19\_\_\_\_

The production for the first 24 hours was ----- barrels of fluid of which -----% was oil; -----% emulsion; -----% water; and -----% sediment. Gravity, °Bé. -----

If gas well, cu. ft. per 24 hours 1,623.000 Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. ~~Tubing~~ 1114 --- Casing 1110 CAOP 3.313

**EMPLOYEES**      Shut in 7 days

\_\_\_\_\_, Driller \_\_\_\_\_, Driller

\_\_\_\_\_, Driller \_\_\_\_\_, Driller

# FORMATION RECORD

| FROM— | TO—   | TOTAL FEET | FORMATION             |
|-------|-------|------------|-----------------------|
| 0'    | 2404' | 2404'      | Surface               |
| 2404' | 2510' | 106'       | Ojo Alamo             |
| 2510' | 2958' | 448'       | Kirtland              |
| 2958' | 3150' | 192'       | Fruitland             |
| 3150' | 3482' | 332'       | Pictured Cliffs       |
| 3482' | 5308' | 1826'      | Lewis                 |
| 5308' | 5395' | 87'        | Cliff House           |
| 5395' | 5600' | 205'       | Menefee               |
| 5600' | TD    | 230'       | Point Lookout         |
| 5830' |       |            | Total Depth           |
| 5829' |       |            | Plug Back Total Depth |

**FORMATION RECORD--CONTINUED**

[illegible]

LOCATE WELL CORRECTLY

UNITED STATES

.....bourgie  
.....shIT

The quantity in this case is for the condition of the well at above date.

| Year | Country | Drilling | Drilling |
|------|---------|----------|----------|
| 1977 | Finland | 100      | 100      |
| 1978 | Finland | 100      | 100      |
| 1979 | Finland | 100      | 100      |
| 1980 | Finland | 100      | 100      |
| 1981 | Finland | 100      | 100      |
| 1982 | Finland | 100      | 100      |
| 1983 | Finland | 100      | 100      |
| 1984 | Finland | 100      | 100      |
| 1985 | Finland | 100      | 100      |
| 1986 | Finland | 100      | 100      |
| 1987 | Finland | 100      | 100      |
| 1988 | Finland | 100      | 100      |
| 1989 | Finland | 100      | 100      |
| 1990 | Finland | 100      | 100      |
| 1991 | Finland | 100      | 100      |
| 1992 | Finland | 100      | 100      |
| 1993 | Finland | 100      | 100      |
| 1994 | Finland | 100      | 100      |
| 1995 | Finland | 100      | 100      |
| 1996 | Finland | 100      | 100      |
| 1997 | Finland | 100      | 100      |
| 1998 | Finland | 100      | 100      |
| 1999 | Finland | 100      | 100      |
| 2000 | Finland | 100      | 100      |
| 2001 | Finland | 100      | 100      |
| 2002 | Finland | 100      | 100      |
| 2003 | Finland | 100      | 100      |
| 2004 | Finland | 100      | 100      |
| 2005 | Finland | 100      | 100      |
| 2006 | Finland | 100      | 100      |
| 2007 | Finland | 100      | 100      |
| 2008 | Finland | 100      | 100      |
| 2009 | Finland | 100      | 100      |
| 2010 | Finland | 100      | 100      |
| 2011 | Finland | 100      | 100      |
| 2012 | Finland | 100      | 100      |
| 2013 | Finland | 100      | 100      |
| 2014 | Finland | 100      | 100      |
| 2015 | Finland | 100      | 100      |
| 2016 | Finland | 100      | 100      |
| 2017 | Finland | 100      | 100      |
| 2018 | Finland | 100      | 100      |
| 2019 | Finland | 100      | 100      |
| 2020 | Finland | 100      | 100      |
| 2021 | Finland | 100      | 100      |
| 2022 | Finland | 100      | 100      |
| 2023 | Finland | 100      | 100      |
| 2024 | Finland | 100      | 100      |
| 2025 | Finland | 100      | 100      |
| 2026 | Finland | 100      | 100      |
| 2027 | Finland | 100      | 100      |
| 2028 | Finland | 100      | 100      |
| 2029 | Finland | 100      | 100      |
| 2030 | Finland | 100      | 100      |
| 2031 | Finland | 100      | 100      |
| 2032 | Finland | 100      | 100      |
| 2033 | Finland | 100      | 100      |
| 2034 | Finland | 100      | 100      |
| 2035 | Finland | 100      | 100      |
| 2036 | Finland | 100      | 100      |
| 2037 | Finland | 100      | 100      |
| 2038 | Finland | 100      | 100      |
| 2039 | Finland | 100      | 100      |
| 2040 | Finland | 100      | 100      |
| 2041 | Finland | 100      | 100      |
| 2042 | Finland | 100      | 100      |
| 2043 | Finland | 100      | 100      |
| 2044 | Finland | 100      | 100      |
| 2045 | Finland | 100      | 100      |
| 2046 | Finland | 100      | 100      |
| 2047 | Finland | 100      | 100      |
| 2048 | Finland | 100      | 100      |
| 2049 | Finland | 100      | 100      |
| 2050 | Finland | 100      | 100      |
| 2051 | Finland | 100      | 100      |
| 2052 | Finland | 100      | 100      |
| 2053 | Finland | 100      | 100      |
| 2054 | Finland | 100      | 100      |
| 2055 | Finland | 100      | 100      |
| 2056 | Finland | 100      | 100      |
| 2057 | Finland | 100      | 100      |
| 2058 | Finland | 100      | 100      |
| 2059 | Finland | 100      | 100      |
| 2060 | Finland | 100      | 100      |
| 2061 | Finland | 100      | 100      |
| 2062 | Finland | 100      | 100      |
| 2063 | Finland | 100      | 100      |
| 2064 | Finland | 100      | 100      |
| 2065 | Finland | 100      | 100      |
| 2066 | Finland | 100      | 100      |
| 2067 | Finland | 100      | 100      |
| 2068 | Finland | 100      | 100      |
| 2069 | Finland | 100      | 100      |
| 2070 | Finland | 100      | 100      |

Oil or Gas Sands or Zones

(F)  $\frac{1}{2}$  and  $\frac{1}{3}$

[illegible]

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 bags or bridges were put in to test the water, state kind of material used, position, and results of pumping or bailing.

## HISTORY OF OIL OR GAS WELL

SHIPPING AND CEMENTING RECORD

| Boat Name to destination | Boat type | Boat bottom | Boat name to destination | Boat type | Boat bottom |
|--------------------------|-----------|-------------|--------------------------|-----------|-------------|
|                          |           |             |                          |           |             |
|                          |           |             |                          |           |             |
|                          |           |             |                          |           |             |
|                          |           |             |                          |           |             |
|                          |           |             |                          |           |             |

FLUGS AND ADALERS

|                         |        |           |
|-------------------------|--------|-----------|
| Leaving plug - Material | Length | Depth see |
| Adapters - Material     | Size   |           |
| SHOOTING RECORD         |        |           |

SHOOTING RECORD

| Item          | Quantity | Unit | Weight | Value | Remarks |
|---------------|----------|------|--------|-------|---------|
| 1. Cotton     | 100      | kg   | 100    | 100   |         |
| 2. Wool       | 50       | kg   | 50     | 50    |         |
| 3. Silk       | 20       | kg   | 20     | 20    |         |
| 4. Flax       | 10       | kg   | 10     | 10    |         |
| 5. Hemp       | 5        | kg   | 5      | 5     |         |
| 6. Jute       | 3        | kg   | 3      | 3     |         |
| 7. Linen      | 2        | kg   | 2      | 2     |         |
| 8. Canvas     | 1        | kg   | 1      | 1     |         |
| 9. Paper      | 1        | kg   | 1      | 1     |         |
| 10. Cloth     | 1        | kg   | 1      | 1     |         |
| 11. Leather   | 1        | kg   | 1      | 1     |         |
| 12. Bone      | 1        | kg   | 1      | 1     |         |
| 13. Ivory     | 1        | kg   | 1      | 1     |         |
| 14. Pearl     | 1        | kg   | 1      | 1     |         |
| 15. Gemstone  | 1        | kg   | 1      | 1     |         |
| 16. Metal     | 1        | kg   | 1      | 1     |         |
| 17. Wood      | 1        | kg   | 1      | 1     |         |
| 18. Stone     | 1        | kg   | 1      | 1     |         |
| 19. Glass     | 1        | kg   | 1      | 1     |         |
| 20. Plastic   | 1        | kg   | 1      | 1     |         |
| 21. Rubber    | 1        | kg   | 1      | 1     |         |
| 22. Wax       | 1        | kg   | 1      | 1     |         |
| 23. Resin     | 1        | kg   | 1      | 1     |         |
| 24. Oil       | 1        | kg   | 1      | 1     |         |
| 25. Sugar     | 1        | kg   | 1      | 1     |         |
| 26. Salt      | 1        | kg   | 1      | 1     |         |
| 27. Pepper    | 1        | kg   | 1      | 1     |         |
| 28. Spice     | 1        | kg   | 1      | 1     |         |
| 29. Herb      | 1        | kg   | 1      | 1     |         |
| 30. Fruit     | 1        | kg   | 1      | 1     |         |
| 31. Vegetable | 1        | kg   | 1      | 1     |         |
| 32. Grain     | 1        | kg   | 1      | 1     |         |
| 33. Seed      | 1        | kg   | 1      | 1     |         |
| 34. Root      | 1        | kg   | 1      | 1     |         |
| 35. Bark      | 1        | kg   | 1      | 1     |         |
| 36. Leaf      | 1        | kg   | 1      | 1     |         |
| 37. Flower    | 1        | kg   | 1      | 1     |         |
| 38. Fruit     | 1        | kg   | 1      | 1     |         |
| 39. Seed      | 1        | kg   | 1      | 1     |         |
| 40. Root      | 1        | kg   | 1      | 1     |         |
| 41. Bark      | 1        | kg   | 1      | 1     |         |
| 42. Leaf      | 1        | kg   | 1      | 1     |         |
| 43. Flower    | 1        | kg   | 1      | 1     |         |
| 44. Fruit     | 1        | kg   | 1      | 1     |         |
| 45. Seed      | 1        | kg   | 1      | 1     |         |
| 46. Root      | 1        | kg   | 1      | 1     |         |
| 47. Bark      | 1        | kg   | 1      | 1     |         |
| 48. Leaf      | 1        | kg   | 1      | 1     |         |
| 49. Flower    | 1        | kg   | 1      | 1     |         |
| 50. Fruit     | 1        | kg   | 1      | 1     |         |
| 51. Seed      | 1        | kg   | 1      | 1     |         |
| 52. Root      | 1        | kg   | 1      | 1     |         |
| 53. Bark      | 1        | kg   | 1      | 1     |         |
| 54. Leaf      | 1        | kg   | 1      | 1     |         |
| 55. Flower    | 1        | kg   | 1      | 1     |         |
| 56. Fruit     | 1        | kg   | 1      | 1     |         |
| 57. Seed      | 1        | kg   | 1      | 1     |         |
| 58. Root      | 1        | kg   | 1      | 1     |         |
| 59. Bark      | 1        | kg   | 1      | 1     |         |
| 60. Leaf      | 1        | kg   | 1      | 1     |         |
| 61. Flower    | 1        | kg   | 1      | 1     |         |
| 62. Fruit     | 1        | kg   | 1      | 1     |         |
| 63. Seed      | 1        | kg   | 1      | 1     |         |
| 64. Root      | 1        | kg   | 1      | 1     |         |
| 65. Bark      | 1        | kg   | 1      | 1     |         |
| 66. Leaf      | 1        | kg   | 1      | 1     |         |
| 67. Flower    | 1        | kg   | 1      | 1     |         |
| 68. Fruit     | 1        | kg   | 1      | 1     |         |
| 69. Seed      | 1        | kg   | 1      | 1     |         |
| 70. Root      | 1        | kg   | 1      | 1     |         |
| 71. Bark      | 1        | kg   | 1      | 1     |         |
| 72. Leaf      | 1        | kg   | 1      | 1     |         |
| 73. Flower    | 1        | kg   | 1      | 1     |         |
| 74. Fruit     | 1        | kg   | 1      | 1     |         |
| 75. Seed      | 1        | kg   | 1      | 1     |         |
| 76. Root      | 1        | kg   | 1      | 1     |         |
| 77. Bark      | 1        | kg   | 1      | 1     |         |
| 78. Leaf      | 1        | kg   | 1      | 1     |         |
| 79. Flower    | 1        | kg   | 1      | 1     |         |
| 80. Fruit     | 1        | kg   | 1      | 1     |         |
| 81. Seed      | 1        | kg   | 1      | 1     |         |

TOOLS USED

[illegible]

DATE

|                                           |  |                            |           |  |
|-------------------------------------------|--|----------------------------|-----------|--|
| The production for the first 24 hours was |  | Barrels of fluid oil which | % was oil |  |
| But no producing                          |  |                            |           |  |

|                                   |      |
|-----------------------------------|------|
| 11 gas well, cu. ft. per 24 hours | 1000 |
| 1000 cu. ft. of gas               | 1000 |

[illegible]

FORMATION RECORD

[illegible]

**FORMATION RECORD—Continued**