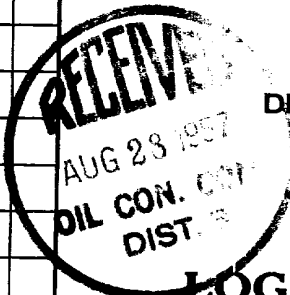
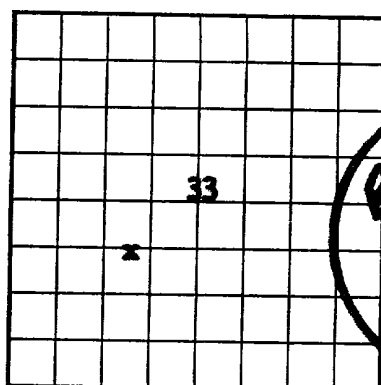


3 - USGS  
2 - NMCC  
1 - L. G. Truby  
1 - FileBudget Bureau No. 42-R355.1.  
Approval expires 11-30-49.U. S. LAND OFFICE **Santa Fe, N.M.**  
SERIAL NUMBER **SF 079731**  
LEASE OR PERMIT TO PROSPECT **14-08-001-933**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **PACIFIC NORTHWEST PIPELINE CORP.** Address **405 1/2 W. Hwy., Farmington, N. Mex.**  
Lessor or Tract **San Juan 28-4 Unit** Field **Blanco** State **New Mexico**  
Well No. **12-33** Sec. **33** T. **28N** R. **4W** Meridian **N.M.P.M.** County **Rio Arriba**  
Location **1850** ft. **N** of **S.** Line and **1850** ft. **E** of **W.** Line of **Section 33** Elevation **7318'**  
(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 G. H. Peppin**

Date

Title **Dutch Ovation Engineer**

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

Commenced drilling **May 2,** 19 **57** Finished drilling **June 1,** 19 **57**

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **Gas - 6034'** to **6554'** 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              | Republic | 183.52  | Tex. Pat.    |                     |            |     |         |
| 7-5/8       | 26.5            | 8rd              | C.F.M.   | 1408.35 | Guide        |                     |            |     |         |
| 5-1/2       | 15.5            | 8rd              | C.F.M.   | 869.46  | Float        |                     |            |     |         |
| 5-1/8       | 14.             | 8rd              | C.F.M.   | 1254.03 |              |                     |            |     |         |
| 2-3/8       | 4.7             | 8rd              |          | 6902.38 | (Tubing)     |                     |            |     |         |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 10-3/4      | 196.12    | 200                    | Pump Plug   |             |                    |
| 7-5/8       | 4480.     | 200                    | Pump Plug   |             |                    |
| 5-1/2       | 6629.23   | 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 **Surface** feet to **6629** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

**July 7,** 19 **57** 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 **2,790,000** Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_Rock pressure, lbs. per sq. in. **Tubing 1025, Casing 1157 CACF 3,894 MCF****Shut In 7 days**

## EMPLOYEES

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

## FORMATION RECORD

| FROM— | TO—   | TOTAL FEET | FORMATION       |
|-------|-------|------------|-----------------|
| 3702' | 3803' | 101        | Ojo Alamo       |
| 3803' | 4086' | 283        | Kirtland        |
| 4086' | 4262' | 176        | Fruitland       |
| 4262' | 4415' | 153        | Pictured Cliffs |
| 4415' | 6034' | 1619       | Lewis           |
| 6034' | 6094' | 60         | Cliff House     |
| 6094' | 6399' | 305        | Menefee         |
| 6399' | 6629' | 230        | Point Lookout   |
| 6629' |       |            |                 |
| 6629' |       |            |                 |

Total Depth  
Plug Back Total Depth

## A blank sheet of graph paper with a grid pattern. The grid consists of 10 columns and 8 rows of squares. The lines are thin and black, set against a white background. There are no markings or text on the page.

Original signed by G. H. Farnsworth

**NOTES**

SECRET : 000000

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of peaking, 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 "abandoned" 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.

## U. S. GOVERNMENT PRINTING OFFICE: 1964-1-30044-1

**FORMATION RECORD—Continued**