

U. S. LAND OFFICE **New Mexico**SERIAL NUMBER **93188**

LEASE OR PERMIT TO PROSPECT

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Pacific Northwest Pipeline Corp.** Address **Box 997, Farmington, New Mexico**Lessor or Tract **San Juan 29-5 Unit** Field **Blanco M.V.** State **New Mexico**Well No. **22-8** Sec. **8** T. **29N** R. **5W** Meridian **N.M.P.M.** County **Rio Arriba**Location **1790** ft. **[N.]** of **S** Line and **890** ft. **[E.]** of **W** Line of **Section 8** Elevation **6559**
(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 SIGNATURE**Date **January 9, 1960** Title **Petroleum Engineer**

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

Commenced drilling **10-23**, 19 **59** Finished drilling **11-23**, 19 **59**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3499** to **3645 (G)** No. 4, from **5672** to **5783 (G)**No. 2, from **5303** to **5402 (G)** No. 5, from _____ to _____No. 3, from **5402** to **5672 (G)** No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ 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—	
13 3/8	45	8	Wells	374	Wells	374			Surface
9 5/8	26	8	Wells	5303	Wells	5303			Intermediate
7	23	8	Wells	7674	Wells	7674			Prod. Csg.
1 1/4	2.4	10 Rd.	Grade "A"	5810					Prod. Tbg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8	327	215	Circulated		
9 5/8	3708	200	Single Stg.		
7	7668	1000	Single Stage		

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
			See Well History			

TOOLS USED

Rotary tools were used from _____ feet to **3709** feet, and from **3709** feet to **7988** feet **Gas Drilled**Cable tools were used from _____ feet to _____ feet, and from **7988** feet to **8068** feet **Mud Circ.**

DATES

_____, 19____ 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 **6,193,000** Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. **1,079** A.O.F. = **7604 MCF/D**

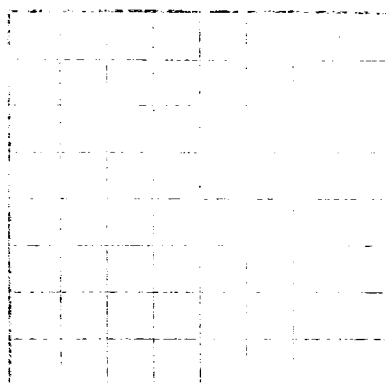
EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2680	2680	Tan to gry cr-grn ss interbedded w/gry sh.
2680	2803	123	Ojo Alamo ss. White cr-grn s.
2803	3191	388	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
3191	3499	308	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3499	3645	146	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3645	5303	1658	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
5303	5402	99	Cliff House ss. Gry, fine-grn, dense sil ss.
5402	5672	270	Mesefee form. Gry, fine-grn s, carb sh & coal.
5672	5783	111	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5783	6912	1129	Mancos formation. Gry carb sh.
6912	7342	430	Gallup form. Lt gry to brn calc carb micac glauco very fine gry ss w/irreg interbed sh.
7342	7650	308	Sanastee form. Drk gry calc very fine to fine gry ss w/calc veins w/irreg inter drk gry s.
7650	7697	47	Greenhorn form. Highly calc gry sh w/thin lmst.
7697	7844	147	Graneros form. Dk gry shale, fossil & carb w/prite incl.
7844	8035	191	Dakota form. Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay & shale breaks.
8035	8068	33	Morrison form. Interbed grn brn & red ssy sh & lt to cr-grn ss.



CREATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Company Name _____ Address _____
 Location _____ State _____
 City _____
 Zip _____
 Phone _____
 Fax _____
 E-mail _____
 Website _____
 Notes _____

61 100 70 80 100 60 50 100

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.

11-27-59 P.B.F.B. 1567. Fert. Point Lookout at 5676-5704; 5710-38; 5748-50; 5758-64; 5771-75; 5778-82 (2 pl/tt.) treated w/63,500 gal. water, 40,000# sand, flush w/13,000 gal. water. I.R. 62.1 B.M. Mex. pr. 1900%, BD pr. 800, tr. pr. 1150-1300-1800#, dropped 2 sets/30 balls each. Lines froze up, unable to drop more balls. Well on vacuum.

11-26-59 Set bridge plug at 5667. Fert. Mendez & Gitter House (2 pl/tt) at 5360-68; 5372-84; 5440-50; 5500-04; 5580-90; 5632-36 treated w/30,500 gal. water, 25,000# sand, flush w/5800 gallons water. I.R. 50 B.M. Mex. pr. 1900%, BD pr. none, tr. pr. 1100-1800-1600#. Dropped 2 sets of 10 balls each. Well on vacuum.

HISTORY OF OIL OR GAS WELL

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FORMATION RECORD-Continued