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Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **SF-078282**

LEASE OR PERMIT TO PROSPECT
14-08-001-167

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
JUN 30 1958
OIL CON. COM.
DIST. 3

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **PACIFIC NORTHWEST PIPELINE CORP.** Address **418¹/₂ W. Bdv., Farmington, N.M.**
Lessor or Tract **San Juan 29-5 Unit** Field **Blanco Mesa Verde** State **New Mexico**
Well No. **41-31** Sec. **31** T. **29N** R. **5W** Meridian **N.M.P.M.** County **Rio Arriba**
Location **990** ft. **N** of **N** Line and **1090** ft. **W** of **E** Line of **Section 31** Elevation **6472'**
(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 L. F. Stone**

Date **June 25th, 1958** Title **Division Manager**

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

Commenced drilling **May 12th,** 19**58** Finished drilling **May 28th,** 19**58**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **G 5186'** to **G 5712'** 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	Rep.	197.87	Tex. Pat.				
7-5/8	26.40	8rd	Rep.	3566.17	Guide & float collar				
5-1/2	15.50	8rd	CP&I	2279.54	Float & float collar w/liner hanger @ 3500.78'				
1-1/4	2.3	10rd	Textube	5674.49	TUBING				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	210.87	200	Pump Plug		
7-5/8	3578.77	200	Pump Plug		
5-1/2	5780.32	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 **5780'** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

May 27th, 19**58** 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 **1,812.000** Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. **Tbg. 614#, Csg. 1112#, CAOF 5,420 MCF/D**

EMPLOYEES Shut in 7 days

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0'	2570'	2570'	Surface
2570'	2771'	201'	Ojo Alamo
2771'	3148'	377'	Kirtland
3148'	3367'	219'	Fruitland
3367'	3472'	105'	Pictured Cliffs
3472'	5186'	1714'	Lewis
5186'	5262'	76'	Cliff House
5262'	5556'	294'	Menefee
5556'	5780'	224'	Point Lookout
5780'			Total Depth
5730'			Plug Back Total Depth

FORMATION RECORD-Continued

[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 dyamitted, 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.

Perf: 5712-04, 5692-90, 5686-78, 5674-70, 5648-42, 5638-36, 5628-24, 5612-08, 5604-5584, 5580-64, 5352-48, 5340-32, 5328-22, 5256-42, 5238-32, 5226-22, 5218-14, 5210-08, 5198-86.

Frac: w/173,500 gallons of water and 50,000# 20-40 sand. Used 460 rubber balls. BD 800#, IP 1200#, AP 1250#, MP 2600#, FP 1100#, standing zero. IR before balls 56.5 bbls/min. Avg. IR 51.6 bbls/min.

Logs: Lane Wells Gamma Ray from Surface to 5717' and Neutron from Surface to 5729'.
Cores: None

cores: None