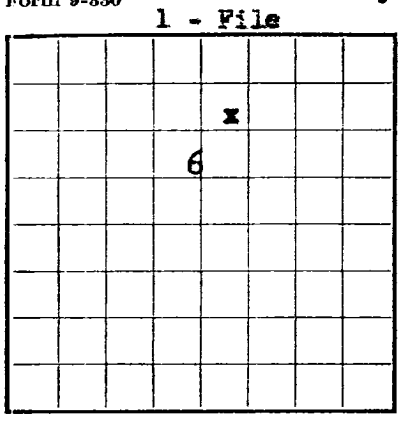
3 - USGS
2 - NMOCC
1 - L. G. Truby
1 - File

Form 9-330

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

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SF-078410
LEASE OR PERMIT TO PROSPECT 14-08-001-437



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
OIL CONS. COM.
DIST. 3

LOG OF OIL OR GAS WELL

Company PACIFIC NORTHWEST PIPELINE CORP. Address 405½ W. Broadway, Farmington
Lessor or Tract 29-5 Field Blanco Mesa Verde State New Mexico
Well No. 19-6 Sec. 6 T. 29N R. 5W Meridian N.M.P.M. County Rio Arriba
Location 975' ft. {N. / S.} of N Line and 1770' ft. {E. / W.} of E Line of Section 6 Elevation 6679' (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 T. A. Dugan Opr. Grp.

Date June 18, 1957 Title Division Manager

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

Commenced drilling April 22, 19 57 Finished drilling May 7, 19 57

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from G 5968' to 5506' 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 From—	Perforated To—	Purpose
10-3/4	32.75	8rd.	CF&I	212.13	Guide				
7-5/8	26.4	8rd.	CF&I	3957.25	Guide				
5-1/2	14.	8rd.	CF&I	2165.62	Float				
2-3/8	4.7	8rd.		5997.92	(Tubing)				

HISTORY OF OIL OR GAS WELL

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	225'	200	Pump Plug		
7-5/8	3950'	200	Pump Plug		
5-1/2	6010'	150	Pump Plug		

FOLD — MARK

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 6010' feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

May 26, 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 4,134.000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. Tubing 892 Casing 1128 CAOF 8,046 Shut in 7 days

EMPLOYEES

, Driller , Driller
, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0'	2765'	2765'	Surface
2765'	2928'	163'	Ojo Alamo
2928'	3330'	402'	Kirtland
3330'	3650'	320'	Fruitland
3650'	3812'	162'	Pictured Cliffs
3812'	5503'	1691'	Lewis
5503'	5547'	44'	Cliff House
5547'	5810'	263'	Menefee
5810'	TD	200'	Point Lookout
6010'			Total Depth
6005'			Plug Back Total Depth

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

HISTORY OF OIL OR GAS WELL

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.

5-26-57 Perf 5968-64, 5936-30, 5912-5888, 5820-16, 5762-54, 5730-22, 5544-34, 5530-18, 5510-06.

Frac w/136,000 gals water. IP 1750#, avg 2000#, FP 3200#, MP 3200#, standing vac. Overall IR 56.2 bbls/min. Used 270 rubber balls.

Logs: Lane Wells Gamma Ray 3000' to 5993', Neutron, 2000' to 6005', and Multispaced Neutron, 3300' to 3850' and 5150' to 6005'.

No Cores

Max Deviation 2½° @ 4574'.