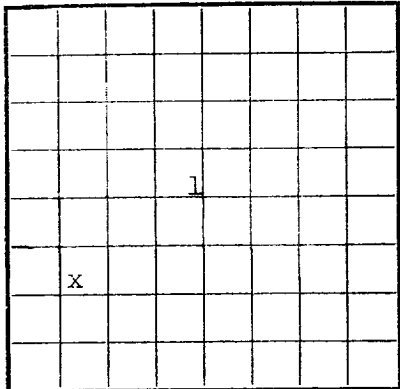


3 - USGS
2 - NMOCC
3 - El Paso
1 - L. G. Truby
1 - File

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

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SF-079491
LEASE OR PERMIT TO PROSPECT
14-08-001-950

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

Company PACIFIC NORTHWEST PIPELINE CORPORATION Address 405 1/2 W. Broadway, Farmington, N.M.
Lessor or Tract 27-5 Field Blanco Mesa Verde State New Mexico
Well No. 22-1 Sec. 1 T. 27N R. 5W Meridian N.M.P.M. County Rio Arriba
Location 1650' ft. [N.] of [S.] Line and 990' ft. [E.] of [W.] Line of Section 1 Elevation 7452' (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 T. A. Dugan

Date June 10, 1957 Title Assistant Division Manager

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

Commenced drilling April 7, 1957 Finished drilling May 4, 1957

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from G 6074' to 6600' 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	8 rd.	CF&I	172.26'	Tex. Pat.				
7-5/8	26.4	8 rd.	J & L	4508'	Guide				
5-1/2	15.5	8 rd.	CF&I	2270.20'	Float				
2-3/8	4.7	8 rd.		6571.68'	(Tubing)				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	182.98'	200	Pump Plug		
7-5/8	4520'	200	Pump Plug		
5-1/2	6700'	150	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 6700' feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

May 21, 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 4569 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. Tubing 703 Casing 1125 CAOF 8920

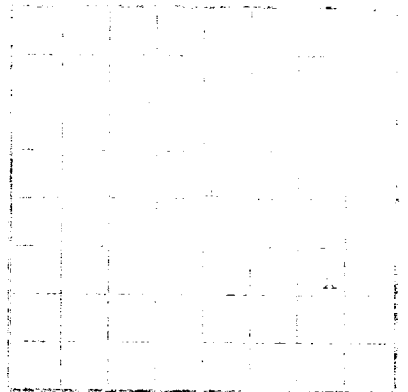
EMPLOYEES

Driller Driller
Driller Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0'	3676'	3676'	Surface
3676'	3860'	184'	Ojo Alamo
3860'	4094'	234'	Kirtland
4094'	4293'	199'	Fruitland
4293'	4407'	114'	Pictured Cliffs
4407'	6075'	1568'	Lewis
6075'	6144'	69'	Cliff House
6144'	6478'	334'	Menefee
6478'			Point Lookout
6700'			Total Depth
6678'			Plug Back Total Depth

1.00 OF OIL OR GAS WELL

[illegible][illegible]

REF ID: A66666

Max Deviation 10.4-66751.

Logs: Lane Wells Gamma Ray-Neutron, 20' to 6677', with Long Spaced Neutron, 4050' to 4450', and 5600' to 6677'. (See also 4450' to 4950' and 5600' to 6677' logs.)

Trac #147, 000 gals water. No break down, IP 1300, avg 1400, max 2000#, IP 1400, standing vac, avg IR 78 BPM. used 470 balls. Trac thru perfs.

Perf 2 snots/ft. 6600-6592, 6582-62, 6558-32, 6526-6496, 6490-6480, 6436-30, 6416-6395, 6346-34, 6238-30, 6142-38, 6124-20, 6116-6110, 6104-6096, 6086-6074.

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 bleeding of shale.

HISTORY OF OIL OR GAS WELL

16-43084-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]