

3 - USGS
2 - NMOC
1 - State Land Office
1 - L. G. Truby
1 - File

Budget Bureau No. 42-R-355.3.
Approval expires 12-31-55.

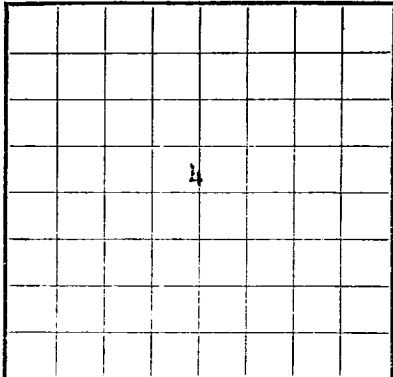
Form 9-330

U. S. LAND OFFICE Santa Fe

SERIAL NUMBER SF-079029

LEASE OR PERMIT TO PROSPECT
14-08-001-446

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company PACIFIC NORTHWEST PIPELINE CORP. Address 405 1/2 W. Bdv., Farmington, N.M.
Lessor or Tract San Juan 32-8 Field Blanco Mesa Verde State New Mexico
Well No. 20-4 Sec. 4 T. 31N R. 8W Meridian N.M.P.M. County San Juan
Location 1560 ft. [N.] of S Line and 910 ft. [E.] of W Line of Section 4 Elevation 6158'
(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. L. Truby
Date November 20th, 1957 Title District Proration Engineer

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

Commenced drilling May 6th, 1957 Finished drilling May 21st, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from G 5332' to G 5846' 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.	181.58'	Tex. Pat.				
7-5/8	26.40	8rd.	Rep.	350.00'	Tex. Pat.				
5-1/2	21.00	8rd.	Rep.	218.00'	Tex. Pat.				
1-1/4		10rd.		5833.10'	(2 1/2" dia) GVS MET				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	197.98'	200	Pump Plug		
7-5/8	3603.68'	200	Pump Plug		
5-1/2	5911.31'	170	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 5911' feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

May 22th, 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 983 000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 16g. 822# Csg. 1018 CAOF 1197
EMPLOYEES Shut in 7 days

, Driller , Driller
, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0'	2085'	2085'	Surface
2085'	2160'	75'	Ojo Alamo
2160'	2970'	810'	Kirtland
2970'	3325'	355'	Fruitland
3325'	3478'	153'	Pictured Cliffs
3478'	5305'	1827'	Lewis
5305'	5350'	45'	Cliff House
5350'	5675'	325'	Menefee
5675'	5911'	236'	Point Lookout
5911'			Total Depth
5901'			Plug Back Total Depth

(OVER)

FORMATION RECORD—Continued

