

4-U.S.G.S.

1-W. R. Johnston

2-C. C. Rogers

1-File

1-W. Art Gale

The Chicago Corporation

2101 Continental Building

Ft. Worth, Texas

Budget Bureau No. 42-R-355.3.

Approval expires 12-31-55.

U. S. LAND OFFICE New MexicoSERIAL NUMBER 679525-1

LEASE OR PERMIT TO PROSPECT

#14-06-001-933

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company PACIFIC NORTHWEST PIPELINE CORP. Address 4138 West Main Street
Lessor or Tract 28-4 Field Blanco State New Mexico
Well No. 9-36 Sec. 36 T. 28N R. 4W Meridian N.M.P.M. County Rio Arriba
Location 830 ft. N. of Sec. Line and 1560 ft. E. of Sec. Line of Sec. 36 Elevation 7144 ft.
(Derrick floor relative to base of well)

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.

Original signed by T. A. Dugan

Signed

Date January 26, 1956Title District Engineer

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

Commenced drilling 11 - 5, 1955 Finished drilling 12 - 16, 1955

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5916 to 6068 No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from NONE to _____ No. 3, from _____
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"	32.73	8R4	J & L	158.62					
10-3/4"		8R4	J & L	10.1					
7-5/8"	26.40		J & L	4230.24					
7-5/8"			J & L	1	fluids				
5-1/2"	14 & 15		J & L	6377.23					
5-1/2"			Baker		float				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	172.34	110 ex 43 gel	Halliburton		
7-5/8"	4245	150 ex 64 gel 30 ex	neat Halliburton		
5-1/2"	6388.18	150 ex regular	Halliburton		
5-1/2"	6388.82	Tubing	Halliburton		

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
NONE						

TOOLS USED

Rotary tools were used from 0 feet to 6388 feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Rig Released 12-10, 1955 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 100 ft. per 24 hours 2042 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. SICP 1173 SICP 1232

EMPLOYEES

Bob Alamo, Drilling Foreman Driller _____, Driller _____
_____, Driller _____, Driller _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	3547	3547	Surface
3547	3668	121	Ojo Alamo - Sand
3668	3825	157	Kirtland - Shale w/some sand.
3825	4119	294	Fruitland - Interbedded sand, shale and coal.
4119	4233	114	Pictured Cliffs - Sand
4233	5915	1682	Lewis - Shale
5915	5987	72	Cliff House - Sand
5987	6254	267	Menafee - Interbedded sand, shale and coal
6254	6388	134	Point Lookout - Sand
6388	—	6388	Total Depth

(OVER)

16-43094-3

