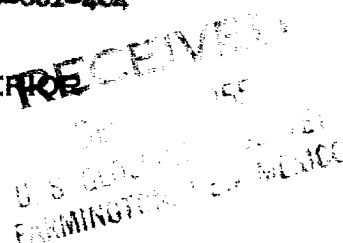


U. S. LAND OFFICE Santa FeSERIAL NUMBER 078995LEASE OR PERMIT TO PROSPECT
14-08-001-464UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Pacific Northwest Pipeline Corp. Address 413 1/2 E. Main St., Farmington, N. Mex.Lessor or Tract Unit 31-6 Field BLANCO State New MexicoWell No. 5-31 Sec. 31 T. 31N R. 6W Meridian S.M.P.M. County Mio ArribaLocation 1725 ft. N. of Sec. Line and 1650 ft. E. of Sec. Line of Sec. 31 Elevation 6201.27
(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. A. DuganDate November 28, 1955 Title District Engineer

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

Commenced drilling September 21, 1955 Finished drilling October 22, 1955

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5060 to 5569 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.		199.7					
10-3/4				1	Casing shoe				
7-5/8	24	8 rd.	Met.	32.25					
7-5/8				1	Casing shoe				
5-1/2	14	8 rd.	Republic	55.17					
5-1/2					Casing shoe				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	213.20	160 ex.	Halliburton		
7-5/8	247	130 ex. 8%	Halliburton		
5-1/2	5569	125 ex. 2%	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

TOOLS USED

Rotary tools were used from 0 feet to 5569 feet, and from _____ feet to _____ feet

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

DATES

October 22, 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, _____ cu. ft. per 24 hours 3897 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. SITP 1030 SICP 1056

EMPLOYEES

Morris H. Jones, Drilling Foreman Driller _____, Driller _____

Driller _____, Driller _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2274	2274	Surface
2274	2448	174	Sand - Ojo Alamo
2448	2783	335	Shale w/some sand - Kirtland
2783	3000	217	Interbedded shales, coals & sands - Fruitland
3000	3229	229	Sand - Pictured Cliffs
3229	5059	1830	Shale - Lewis
5059	5139	80	Sand - Cliff House
5139	5354	215	Sand, shales & coals - Anasazi
5354			Sand - Pt. Lookout.
5354	5569	215	Total Depth.

