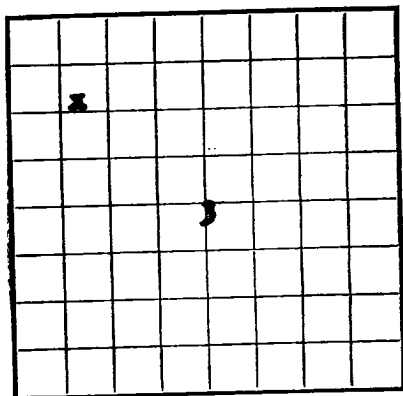


Form 9-330

U. S. LAND OFFICE Carlsbad
SERIAL NUMBER 3.P. 079756
LEASE OR PERMIT TO PROSPECT #14-08-001-1055



LOCATE WELL CORRECTLY

4-USGS
1-W.R. Johnston
1-File

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
MAY 31 1956
U. S. GEOLOGICAL SURVEY
FARMINGTON NEW MEXICO

LOG OF OIL OR GAS WELL

Company Pacific Northwest Pipeline Corp. Address 419 1/2 W. Main, Farmington, New Mexico
Lessor or Tract Unit 29-4 Field Wildcat State New Mexico
Well No. 9-3 Sec. 3 T. 29N R. 4W Meridian N.M.P.M. County Rio Arriba
Location 990 ft. S. of Sec. 3 Line and 990 ft. E. of Sec. 3 Line of Sec. 3 Elevation 7541'
(Derrick base relative to sea level)

The information given herewith is a complete and correct record of the well and all underground
so far as can be determined from all available records.
Signed _____

Date May 17, 1956 Title District Engineer

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

Commenced drilling 9-4, 1955 Finished drilling 12-23, 1955

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

No. 1, from 4235 to 4498 0 No. 4, from _____ to _____
No. 2, from 6334 to 6739 0 No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____
IMPORTANT WATER SANDS
No. 3, from _____ to _____
No. 4, from _____ to _____
Casing Record

Casing	Depth per foot	Diameter inch	Weight lb./ft.	Length of shoe	Cut and pulled from	Perforated		Purpose
						From	To	
9-5/8	32.1	8 1/4	231.73	231.73	Top of Pattern			Pattern
7	42.35	6 3/4	231.73	42.35	42.35			Pattern
5	68.17	4.7	6681.86	68.17	68.17			Pattern

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	234.29	120 ex	Halliburton		
7	4235	150 ex 8% & 50 neab	Halliburton		
5	6817.58	260 ex reg.	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 447 feet to 6850 feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 447 feet, and from _____ feet to _____ feet

DATES

12-23, 1955 Production 4-23-, 1956
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 _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
Bob Meise Drilling Engineer, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	3752	3752	Surface
3752	3869	117	Ojo Alamo-Sand
3869	4046	177	Kirtland-Shale w/some sand
4046	4215	169	Fruitland-Interbedded sand, shale and coal
4215	4498	283	Pictured Cliffs-Sand
4498	6320	1822	Davis-Shale
6320	6398	78	Cliff House-Sand
6398	6621	223	Honeoye-Interbedded sand, shale and coal
6621	6850	229	Point Lookout-Sand
6850			Total Depth

FROM—

TO—

TOTAL FEET [OVER]

FORMATION

16-43004-3

FORMATION RECORD—Continued

UNITED STATES

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

A 10x10 grid with a point labeled 'x' at the intersection of the 8th column and 8th row, and a point labeled 'c' at the intersection of the 5th column and 5th row.

The information given herewith is a complete and correct record of the well and all work done thereon
 as far as can be determined from all available records.
 Signed _____
 Location _____ ft. S. _____ ft. E. of _____ line and _____ ft. W. of _____ line of _____ ac. ±
 Well No. _____ Sec. _____ T. _____ R. _____ Meridian
 Lessor or Tract _____
 Company _____
 Address _____
 State _____
 Field _____
 County _____
 Elevation _____
 (Check a box that applies to see later)
 Work done thereon _____

Commenced drilling _____, 19__
Finished drilling _____, 19__
The summary on this page is for the condition of the well at above date.
Date _____, 19__
Title _____

OIL OR GAS SANDS OR ZONES

(Derecho de G)

No. 1, from 1884 to 1885
No. 2, from 1885 to 1886
No. 3, from 1886 to 1887
No. 4, from 1887 to 1888
No. 5, from 1888 to 1889

18 From
Total depth 6850'. Port 6630-6735. 4500 lbs water and 40,000#
20-40 bd. BD 1700#, Avg 1475#, Set BP 6758. Port. 6734-40, 6353-68, 6382-96, 6718-22,
Avg 1475, 2 Bore. Set BP 6758. Port. 6734-40, 6353-68, 6382-96, 6718-22,
6444-48, w/3 shots/lt. Flag w/47,700 lbs water and 36,000# 40-60 bd to BD 1800#.
Avg 1650#, Max 1800#, Final 1695#, Estimated 1900# in 25 minutes. Avg I.R. 42.2 BPM.
Set 6692, or 2-3/8 tubing. Set a 6692.26. Released 118 a 12:01 a.m. 12-23-55.

[illegible]

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 well, give the size and location. If any of the casing or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing of water. If pumps or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

Size Casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 1/2"	200 ft	100	Hand		
8 1/2"	200 ft	100	Hand		
8 1/2"	200 ft	100	Hand		

PLUGS AND ADAPTERS

Adapters—Material	Size	Length	Depth see
Heaving plug—Material			

SHOOTING RECORD

[illegible]

TOOLS USED

	DATES	
Cable tools were used from	feet to	feet and from
Rotary tools were used from	feet to	feet and from

DATE

It was well mixed for 24 hours emulsion; % water; and % sediment. The production for the first 24 hours was 12-23 Percent production of 10-25	Gallons gasoline per 1,000 cu. ft. of gas Gravity, °Ba. Barrels of fluid of which % was oil; %
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EMPLOYEES

Driller	Driller	Driller
Driller	Driller	Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	8725	8725	surface
3725	3869	117	0.5' fine sand
3869	4076	177	fine sand, 1/2' to 1' sand
4076	4215	139	Griffing - red sand, shells and coal
4215	4492	277	fine sand, shells and
4492	4825	333	Loose - 1/2' to 1'
4825	5098	273	0.5' to 1' sand
5098	5621	523	shells - 1/2' to 1' sand, shells and coal
5621	5825	204	total to point - sand
5825			total depth

FORMATION RECORD—Continued