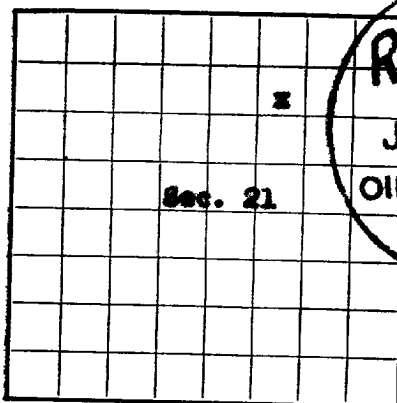




LOCATE WELL CORRECTLY



U. S. LAND OFFICE Santa Fe
SERIAL NUMBER MI 09280
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Pacific Northwest Pipeline Corp. Address 118 1/2 W. Broadway Farmington, New Mex.
Lessor or Tract San Juan 29-5 Field Blanco Mesaverte State New Mexico
Well No. 46-21 Sec. 21 T. 29N R. 5W Meridian NM County Rio Arriba
Location 800 ft. N of N Line and 1510 ft. E of E Line of Section 21 Elevation 6666
(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 L. A. Bedford

Date December 30, 1959

Title Drilling Engineer

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

Commenced drilling 12-30-59 at 1500 ft. Finished drilling 12-30-59 at 6000 ft.

No. 1, from 0-5400 to 2000-5400 No. 2, from 2000-5400 to 2000-5400
No. 3, from 2000-5400 to 2000-5400 No. 4, from 2000-5400 to 2000-5400

No. 1, from 15-51-20 to 15-51-20 No. 2, from 15-51-20 to 15-51-20
No. 3, from 15-51-20 to 15-51-20 No. 4, from 15-51-20 to 15-51-20

No. 1, from 15-51-20 to 15-51-20 No. 2, from 15-51-20 to 15-51-20
No. 3, from 15-51-20 to 15-51-20 No. 4, from 15-51-20 to 15-51-20

No. 2, from 15-51-20 to 15-51-20 No. 3, from 15-51-20 to 15-51-20
No. 4, from 15-51-20 to 15-51-20

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 RA.	HISLO	200	Plug	5400	5400	5920	Prod.
7 5/8	15.50	8 RA.	HISLO	200	Plug	5400	5400	5920	Prod.
5 1/2	2.4	10 RA.	HISLO	200	Plug	5400	5400	5920	Prod.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	227	200	Pump Plug		
7 5/8	3600	200	Pump Plug		
5 1/2	6000	200	Liner		

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 6000 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ 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 11000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 1112

EMPLOYEES

L. A. Bedford Drilling Engineer, Driller _____, Driller _____
_____, Driller _____, Driller _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2846	2846	Surface
2846	2990	144	Ojo Alamo
2990	3379	389	Kirtland
3379	3614	235	Fruitland
3614	3737	123	Pictured Cliffs
3737	5430	1693	Lewis
5430	5524	94	Cliff House
5524	5806	282	Manoshee
5806	6000	194	Point Lookout
6000			Total Depth

1 - 75-100 .0 .0

Approved expires 12-31-80
Budget Bureau No. 43-168504

U.S. LAND OFFICE
SERIAL NUMBER
PLEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

GEOLOGICAL SURVEY

RECEIVED
JAN 21 1960
OIL COM. CORR.
DIST.

0001 12 MAR
MOD MOD
DIST 3

MOO MOO MOO
E JED

LOG OF OIL OR GAS WELL

Company, _____
 Lessor or Tract _____
 Well No. _____ Sec. _____ T. _____ R. _____ S. _____
 Location _____ of _____ and _____
 _____ of _____ line of Section _____
 _____ County _____ State _____
 Address _____
 Field _____ State _____
 The information given herein 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 _____

[illegible]

Month	Year	Through	Make	Amount	Kind of pipe	Cut and dug from	From	To	Purpose
It is of the greatest importance to have a complete history of the well. Please state in detail the dates of recording, the nature of the casing, and if any casing was changed, give the 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 bailing.									

Drift	Wet set	Number bags of cement	Method used	Kind of gravity	Amount of material used
1st	1st	1st	1st	1st	1st
2nd	2nd	2nd	2nd	2nd	2nd
3rd	3rd	3rd	3rd	3rd	3rd
4th	4th	4th	4th	4th	4th
5th	5th	5th	5th	5th	5th
6th	6th	6th	6th	6th	6th
7th	7th	7th	7th	7th	7th
8th	8th	8th	8th	8th	8th
9th	9th	9th	9th	9th	9th
10th	10th	10th	10th	10th	10th

[illegible]

_____ 10% sediment _____ 10% water; and _____ Gravelly, °Bé.	_____ barrels of fluid of which _____ % was oil; _____ % _____ Put to producing _____ 10	_____ DATES	_____ feet to _____ feet and from _____ feet _____ feet to _____ feet and from _____ feet	TOOLS USED
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FROM-	TO-	TOTAL FEET	FORMATION RECORD
			Driller _____ Driller _____
			EMPLOYEES
			Work pressure, lbs. per sq. in. _____ LBS.

000000	0000	0000
000001	0001	0001
000002	0002	0002
000003	0003	0003
000004	0004	0004
000005	0005	0005
000006	0006	0006
000007	0007	0007
000008	0008	0008
000009	0009	0009
000010	0010	0010
000011	0011	0011
000012	0012	0012
000013	0013	0013
000014	0014	0014
000015	0015	0015
000016	0016	0016
000017	0017	0017
000018	0018	0018
000019	0019	0019
000020	0020	0020
000021	0021	0021
000022	0022	0022
000023	0023	0023
000024	0024	0024
000025	0025	0025
000026	0026	0026
000027	0027	0027
000028	0028	0028
000029	0029	0029
000030	0030	0030
000031	0031	0031
000032	0032	0032
000033	0033	0033
000034	0034	0034
000035	0035	0035
000036	0036	0036
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000097	0097	0097
000098	0098	0098
000099	0099	0099
000100	0100	0100

[illegible]

FORMATION RECORD—Continued	TO—	TOTAL FEET	FORMATION
10-251			