

4 - USGS
1 - W.R. Johnston
2 - J. D'Alisera
1 - File

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

U. S. LAND OFFICE **Santa Fe**

SERIAL NUMBER **87 076472**

LEASE OR PERMIT TO PROSPECT **714-08-001-441**

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Pacific Northwest Pipeline Corp.** Address **405 1/2 W. Broadway, Farmington, N.M.**
Lessor or Tract **Unit 32-7** Field **Blanco M.V.** State **New Mexico**
Well No. **14-28** Sec **28** T. **32N** R. **7W** Meridian **NMPM** County **San Juan**
Location **1690** ft. **N.** of **sec** Line and **990** ft. **W.** of **sec** Line of **sec 28** Elevation **6669.0'**
Ungraded Ground

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 T. A. Dugan**

Date **August 11, 1956**

Title **District Engineer**

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

Commenced drilling **May 27, 1956** Finished drilling **July 19, 1956**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3602** to **6002** No. 4, from **3602** to **6002**
No. 2, from **3602** to **6002** No. 5, from **3602** to **6002**
No. 3, from **3602** to **6002** No. 6, from **3602** to **6002**

IMPORTANT WATER SANDS

No. 1, from **3602** to **6002** No. 3, from **3602** to **6002**
No. 2, from **3602** to **6002** No. 4, from **3602** to **6002**

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	JAL	205.82	Oxide				
7 5/8	26.4	8rd	JAL	6071.36	Oxide				
5 1/2	19.5	8rd	JAL	6071.36	Oxide				
2 3/8	11.7	8rd	JAL	6071.36	Oxide				
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	205.82	175 sacks	Halliburton		
7 5/8	3886.00	200 sacks	Halliburton		
5 1/2	6071.36	200 sacks	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 **6072** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

July 15, 1956

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, _____ ft. per 24 hours **2,017 Gal. Also** Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. **SITP 11616 SITP 11607** Tests **8-3-56 3 hrs 3/4" Choke**
Shut in for 11 days

EMPLOYEES

Guy Mileham Drilling Engineer, Driller
_____, Driller
_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2528	2528	Surface
2528	2640	112	Ojo Alamo - Sand
2640	3147	507	Kirtland - Shale w/some sand.
3147	3552	405	Fruitland - Interbedded shale, sand, and coal.
3552	3826	274	Pictured Cliffs - Sand
3826	5602	1776	Lewis - Shale
5602	5653	51	Cliff House - Sand
5653	5884	231	Manefee - Interbedded sand, shale, and coal.
5884	6072	188	Point Lookout - Sand
6072			Total Depth

UNITED STATES

GEOLOGICAL SURVEY
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LOG OF OIL OR GAS WELL

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[illegible]

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 _____

Original stamped by T. A. Dwyer _____

Location _____ ft. S. _____ ft. W. _____ of sec _____ line and _____ ft. W. _____ of sec _____ line of _____ & _____ Elevation _____ ft.

Well No. _____ Sec _____ T. _____ R. _____ Meridian _____

Lessor or Trust _____

County _____ State _____ Field _____

Address _____ Company _____

The undersigned on this day of 1955, at the condition of the well above state.
 Title: Official Statement
 Date: February 10 to 11-1956
 Signed: Charles H. Dugan

[illegible]

Size inches	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated from	Purpose
1/2	10	12	...	...	...	...	...	...
3/4	15	12	...	...	...	...	...	...
1	20	12	...	...	...	...	...	...
1 1/4	30	12	...	...	...	...	...	...
1 1/2	40	12	...	...	...	...	...	...
2	60	12	...	...	...	...	...	...
2 1/2	80	12	...	...	...	...	...	...
3	100	12	...	...	...	...	...	...
3 1/2	120	12	...	...	...	...	...	...
4	140	12	...	...	...	...	...	...
4 1/2	160	12	...	...	...	...	...	...
5	180	12	...	...	...	...	...	...
5 1/2	200	12	...	...	...	...	...	...
6	220	12	...	...	...	...	...	...
6 1/2	240	12	...	...	...	...	...	...
7	260	12	...	...	...	...	...	...
7 1/2	280	12	...	...	...	...	...	...
8	300	12	...	...	...	...	...	...
8 1/2	320	12	...	...	...	...	...	...
9	340	12	...	...	...	...	...	...
9 1/2	360	12	...	...	...	...	...	...
10	380	12	...	...	...	...	...	...
10 1/2	400	12	...	...	...	...	...	...
11	420	12	...	...	...	...	...	...
11 1/2	440	12	...	...	...	...	...	...
12	460	12	...	...	...	...	...	...
12 1/2	480	12	...	...	...	...	...	...
13	500	12	...	...	...	...	...	...
13 1/2	520	12	...	...	...	...	...	...
14	540	12	...	...	...	...	...	...
14 1/2	560	12	...	...	...	...	...	...
15	580	12	...	...	...	...	...	...
15 1/2	600	12	...	...	...	...	...	...
16	620	12	...	...	...	...	...	...
16 1/2	640	12	...	...	...	...	...	...
17	660	12	...	...	...	...	...	...
17 1/2	680	12	...	...	...	...	...	...
18	700	12	...	...	...	...	...	...
18 1/2	720	12	...	...	...	...	...	...
19	740	12	...	...	...	...	...	...
19 1/2	760	12	...	...	...	...	...	...
20	780	12	...	...	...	...	...	...
20 1/2	800	12	...	...	...	...	...	...
21	820	12	...	...	...	...	...	...
21 1/2	840	12	...	...	...	...	...	...
22	860	12	...	...	...	...	...	...
22 1/2	880	12	...	...	...	...	...	...
23	900	12	...	...	...	...	...	...
23 1/2	920	12	...	...	...	...	...	...
24	940	12	...	...	...	...	...	...
24 1/2	960	12	...	...	...	...	...	...
25	980	12	...	...	...	...	...	...
25 1/2	1000	12	...	...	...	...	...	...

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 the results. If there were any changes made in the casing, state fully, and if any casing was added, or left in the well, state the kind and location. If the well has been dynamited, give date, size, position, and number of shots. If bags or bridges were used to test the well, state what was used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 16-43084-2

RECORDING AND INDEXING

[illegible]

PLUGS AND ADAPTERS

[illegible]

SHOOTING RECORD

[illegible]

TOOLS USED

[illegible]

23TAC

If gas well, _____ cu. ft. per 24 hours. _____ Gallons gasoline per 1,000 cu. ft. of gas Gravity, °Be. _____ pounds of fluid of which _____% was oil; Paid to producing _____, 19____	The production for the first 24 hours was _____ _____% water; and _____% sediment. _____
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EMPLOYEES

[illegible]

FORMATION RECORD

FROM -	TO -	TOTAL FEET	FORMATION
0	3525	3525	bedrock
3525	3540	15	fine sand - sand
3540	3547	7	bedrock - (fine sand)
3547	3553	6	bedrock - (fine sand)
3553	3557	4	bedrock - (fine sand)
3557	3563	6	bedrock - (fine sand)
3563	3567	4	bedrock - (fine sand)
3567	3573	6	bedrock - (fine sand)
3573	3577	4	bedrock - (fine sand)
3577	3583	6	bedrock - (fine sand)
3583	3587	4	bedrock - (fine sand)
3587	3593	6	bedrock - (fine sand)
3593	3597	4	bedrock - (fine sand)
3597	3603	6	bedrock - (fine sand)
3603	3607	4	bedrock - (fine sand)
3607	3613	6	bedrock - (fine sand)
3613	3617	4	bedrock - (fine sand)
3617	3623	6	bedrock - (fine sand)
3623	3627	4	bedrock - (fine sand)
3627	3633	6	bedrock - (fine sand)
3633	3637	4	bedrock - (fine sand)
3637	3643	6	bedrock - (fine sand)
3643	3647	4	bedrock - (fine sand)
3647	3653	6	bedrock - (fine sand)
3653	3657	4	bedrock - (fine sand)
3657	3663	6	bedrock - (fine sand)
3663	3667	4	bedrock - (fine sand)
3667	3673	6	bedrock - (fine sand)
3673	3677	4	bedrock - (fine sand)
3677	3683	6	bedrock - (fine sand)
3683	3687	4	bedrock - (fine sand)
3687	3693	6	bedrock - (fine sand)
3693	3697	4	bedrock - (fine sand)
3697	3703	6	bedrock - (fine sand)
3703	3707	4	bedrock - (fine sand)
3707	3713	6	bedrock - (fine sand)
3713	3717	4	bedrock - (fine sand)
3717	3723	6	bedrock - (fine sand)
3723	3727	4	bedrock - (fine sand)
3727	3733	6	bedrock - (fine sand)
3733	3737	4	bedrock - (fine sand)
3737	3743	6	bedrock - (fine sand)
3743	3747	4	bedrock - (fine sand)
3747	3753	6	bedrock - (fine sand)
3753	3757	4	bedrock - (fine sand)
3757	3763	6	bedrock - (fine sand)
3763	3767	4	bedrock - (fine sand)
3767	3773	6	bedrock - (fine sand)
3773	3777	4	bedrock - (fine sand)
3777	3783	6	bedrock - (fine sand)
3783	3787	4	bedrock - (fine sand)
3787	3793	6	bedrock - (fine sand)
3793	3797	4	bedrock - (fine sand)
3797	3803	6	bedrock - (fine sand)
3803	3807	4	bedrock - (fine sand)
3807	3813	6	bedrock - (fine sand)
3813	3817	4	bedrock - (fine sand)
3817	3823	6	bedrock - (fine sand)
3823	3827	4	bedrock - (fine sand)
3827	3833	6	bedrock - (fine sand)
3833	3837	4	bedrock - (fine sand)
3837	3843	6	bedrock - (fine sand)
3843	3847	4	bedrock - (fine sand)
3847	3853	6	bedrock - (fine sand)
3853	3857	4	bedrock - (fine sand)
3857	3863	6	bedrock - (fine sand)
3863	3867	4	bedrock - (fine sand)
3867	3873	6	bedrock - (fine sand)
3873	3877	4	bedrock - (fine sand)
3877	3883	6	bedrock - (fine sand)
3883	3887	4	bedrock - (fine sand)
3887	3893	6	bedrock - (fine sand)
3893	3897	4	bedrock - (fine sand)
3897	3903	6	bedrock - (fine sand)
3903	3907	4	bedrock - (fine sand)
3907	3913	6	bedrock - (fine sand)
3913	3917	4	bedrock - (fine sand)
3917	3923	6	bedrock - (fine sand)
3923	3927	4	bedrock - (fine sand)
3927	3933	6	bedrock - (fine sand)
3933	3937	4	bedrock - (fine sand)
3937	3943	6	bedrock - (fine sand)
3943	3947	4	bedrock - (fine sand)
3947	3953	6	bedrock - (fine sand)
3953	3957	4	bedrock - (fine sand)
3957	3963	6	bedrock - (fine sand)
3963	3967	4	bedrock - (fine sand)
3967	3973	6	bedrock - (fine sand)

FORMATION RECORD—Continued

FORMATION

TOTAL FEET

—OL

FROM-