

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **079380**
LEASE OR PERMIT TO PROSPECT.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

Company Pacific Northwest Pipeline Corp. Address Box 997, Farmington, New Mexico
Lessor or Tract San Juan 32-8 Unit Field Blanco M. V. State New Mexico
Well No. 31-22 Sec. 22 T. 32N R. 8W Meridian N.M.P.M. County San Juan
Location 1850 ft. [N.] of S Line and 1190 ft. [E.] of W Line of Section 22 Elevation 6908
~~XXXX~~ (Detriek #scc 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 R. L. NICKELL, JR.

Date January 12, 1960 Title Petroleum Engineer

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

Commenced drilling ----- 9-29 -----, 19 59 Finished drilling ----- 10-27 -----, 19 59

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3818 to 3900 (G) No. 4, from 6143 to 6330 (G)
 No. 2, from 5816 to 5870 (G) No. 5, from _____ to _____
 No. 3, from 5870 to 6143 (G) No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ 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 1/4	12.75	8 Rd.	J-55	6222	Baker	11 1/2" to 12 1/2"	12 1/2" to 13 1/2"	13 1/2" to 14 1/2"	Prod. Liner
7 1/2	10.5	8 Rd.	J-55	6222	Baker	11 1/2" to 12 1/2"	12 1/2" to 13 1/2"	13 1/2" to 14 1/2"	Prod. Liner
5 1/2	10.5	8 Rd.	J-55	6222	Baker	11 1/2" to 12 1/2"	12 1/2" to 13 1/2"	13 1/2" to 14 1/2"	Prod. Liner
HISTORICAL RECORD OF OIL & GAS WELLS									
2"	4.7	8 Rd.	J-55	6222					Prod. Tbg.

MUDDING AND CEMENTING RECORD

	Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
MARK	10 3/4	173	110	Circulated		
	7 5/8	4045	95	Single Stg		
	5 1/2	3988-6392	425	Single Stage		

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
			See Well History			

TOOLS USED

Rotary tools were used from _____ feet to 4006 feet, and from 4006 feet to 6308 feet.

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

DATES

11-6	19 50	Put to producing	19
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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 25,000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 1074 A O F = 2168 MTR/D

EMPLOYEES

EMPLOYEES

_____, Driller

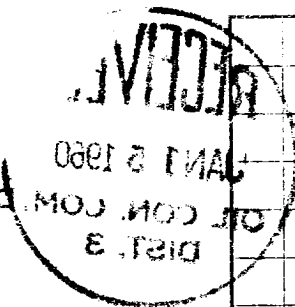
_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2945	2945	Tan to gry cr-grn ss interbedded w/gry sh.
2945	3115	170	Ojo Alamo ss. White cr-grn s.
3115	3308	193	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
3308	3818	510	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3818	3900	82	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3900	5816	1916	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
5816	5870	54	Cliff House ss. Gry, fine-grn, dense sil ss.
5870	6143	273	Menefee form. Gry, fine-grn s, carb sh & coal.
6143	6330	187	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
6330	6398	68	Mancos formation. Gry carb sh.

LOG OF OIL OR GAS WELL

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

Company _____
Lessor or Trust _____
Well No. _____
Location _____
The information given 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 _____
State _____

The summary on this page is for the condition of the well at above date.
Commenced drilling _____
Finished drilling _____

OIL OR GAS SANDS OR LONES

No. 1 from _____ to _____	No. 4 from _____ to _____
No. 2 from _____ to _____	No. 5 from _____ to _____
No. 3 from _____ to _____	No. 6 from _____ to _____

IMPORTANT WATER SANDS

br. 2070#. I.R. 57.2 B.M. 10,200 gal.
w/59,200 gal. water and 60,000 gal. oil
6094-6104; 6126-6134; 6146-6154; 6168-6180; 6188-6196; 6204-6210; 6218-6226
11-2-59 I.D. 6398. C.O.L.D. 6296. water trace. Point lookout pert. Int.

CASING RECORD

Size	Length	Weight	Material	Remarks
10 3/4"	100'	110	Steel	...
8"	100'	80	Steel	...
6"	100'	60	Steel	...

HISTORY OF OIL OR GAS WELL

From	To	Remarks
10-1-59	10-1-59	...

MUDGING AND CEMENTING RECORD

From	To	Remarks
10-1-59	10-1-59	...

SHOOTING RECORD

From	To	Remarks
10-1-59	10-1-59	...

TOOLS USED

From	To	Remarks
10-1-59	10-1-59	...

DATES

From	To	Remarks
10-1-59	10-1-59	...

EMPLOYEES

From	To	Remarks
10-1-59	10-1-59	...

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	100	100	...
100	200	200	...
200	300	300	...
300	400	400	...
400	500	500	...
500	600	600	...
600	700	700	...
700	800	800	...
800	900	900	...
900	1000	1000	...