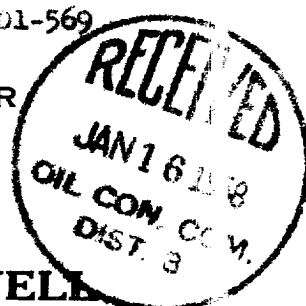


Form 9-330

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

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER BF-079329
LEASE OR PERMIT TO PROSPECT _____
14-08-001-569

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **PACIFIC NORTHWEST PIPELINE CORP.** Address **405½ W. Bow., Farmington, N.M.**
 Lessor or Tract **San Juan 32-9** Field **Blanco Mesa Verde** State **New Mexico**
 Well No. **52-13** Sec. **13** T. **32N** R. **9W** Meridian **N.M.P.M.** County **San Juan**
 Location **790** ft. **[N.]** of **8** Line and **790** ft. **[E.]** of **W** Line of **Section 13** Elevation **6797'**
Derrick & casing

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. Original signed by G. H. Peppin
Signed _____

Date January 15th, 1958 Title District Proration Engineer

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

Commenced drilling December 1st, 1957 Finished drilling December 20th, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from C 5718 to C 6228 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. 2, from _____ to _____

No. 3, 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	8rd.	CR&I	218.65	Tex. Pat.				
7-1/2	26.40	8rd.	Rep.	3972.01	Guide & Flange Collar				
5-1/2	17.10	8rd.	CR&I	2399.72	Flange - Flange Collar			Linear, Ranger &	2008.28
2-3/8	4.7	8rd.	CR&I	6206.19	Tubing w/perf nipple				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	231.25'	200	Pump Plug		
7-5/8	3984.61'	200	Pump Plug		
5-1/2	6288'	200	Pump Plug		

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 6288' feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

-----, 19--
December 19th, 19--**57** 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 ----- Gallons gasoline per 1,000 cu. ft. of gas -----

Rock pressure, lbs. per sq. in. 1000

EMPLOYEES Shut in 7 days

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

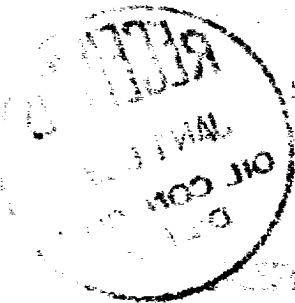
FROM—	TO—	TOTAL FEET	FORMATION
0'	2265'	2265'	Surface
2265'	3268'	1003'	Kirtland
3268'	3659'	391'	Fruitland
3659'	3896'	237'	Pictured Cliffs
3896'	5715'	1819'	Lewis
5715'	5746'	31'	Cliff House
5746'	5989'	243'	Menefee
5989'	TD	299'	Point Lookout
6288'			Total Depth
6263'			Plug Back Total Depth

ESTATE PLANNING

DEPARTMENT OF THE INTERIOR
BIOLOGICAL SURVEY

YEVREFF, IADICOLONE

CIVIL RIGHTS

[illegible]

1. The first step is to identify the problem. In this case, the problem is that the company is not meeting its sales targets. The reasons for this could be many, such as a lack of marketing budget, poor timing of the product launch, or a change in consumer behavior.

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REPLY OF DEBORAH KAY TO JAMES

6. *Chlorophyll a* and *Chlorophyll b* contents were determined by spectrophotometry using the method of Lichtenthaler and Whaley (1987).

48 3985 and 5175 and 6262.

Log: Lane Holly Gamma Ray-Neutron, 15' to 6662' - With King Speed Neutron, 3250' to 3662', and 5175' to 6662'.

• STALINUT SITTEQ CT IN SOUTHERN

Fluc v/100,000 rats water and 55,000# 20-40 sand. BD 1000#, IP 1000#, MF 3000#.
 1000# vac, standing vac, AP 2000#. IR before baths 60 pbts/min. AV8 IR 1st half
 treatment 54 pbts/min. AV8 IR and half treatment 22 pbts/min. Batted off in mic-
 treatment. Total 170 Western Baths. Dropped 30 baths after 1/3 treatment and

Part w/2 sheets per foot, 5718-22, 5726-28, 5790-5800, 5808-14, 5932-44, 6002-46, 6050-54, 6058-66, 6072-78, 6084-82, 6096-6100, 6102-06, 6110-16, 6122-28, 6138-36, 6138-44, 6175-79, 6206-08, 6214-18, 6222-28, 6228-28.

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 the well, give its size and location. If the well has been dismantled, give date, size, position, and number of shots. If pipes 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

16-48084-2 U. S. GOVERNMENT PRINTING OFFICE

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