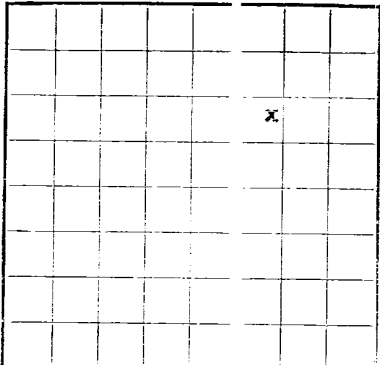


U.S.G.S.
2-El Paso
1-L.G. Pruby
1-File

Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER NM - 013656
LEASE OR PERMIT TO PROSPECT #14-08-001-1051



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Pacific Northwest Pipeline Corp. Address 105 1/2 W. Broadway
Lessor or Tract San Juan Unit 28-6 Field Blanco Mesa Verde State New Mexico
Well No. 65-24 Sec. 24 T. 28N R. 6W Meridian N.M.P.M. County Hidalgo
Location 1750 ft. N of N Line and 1650 ft. W of W Line of Sec. 24 Elevation 6510 GL.
(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 T. A. Dugan

Date November 27, 1956 Title District Engineer

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

Commenced drilling 9-26-56, 1956 Finished drilling 10-24, 1956

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5107 G to 5177 No. 4, from _____ to _____
No. 2, from 5177 G to 5521 No. 5, from _____ to _____
No. 3, from 5521 to 5744 No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from None 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—	
<u>10-3/4</u>	<u>32.75</u>	<u>8</u> rd.	<u>C.F.&I.</u>	<u>201.63</u>	<u>Baker</u>				
<u>7-5/8</u>	<u>24</u>	<u>8</u> rd.	<u>Baker</u>	<u>3513.97</u>	<u>Baker</u>				
<u>5-1/2</u>	<u>15.5</u>	<u>8</u> rd.	<u>C.F.&I.</u>	<u>5725.95</u>	<u>Baker</u>				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>10-3/4</u>	<u>215.63</u>	<u>150</u> reg.	<u>Pump Plug</u>		
<u>7-5/8</u>	<u>3579.85</u>	<u>50</u> sx <u>8 1/2</u> <u>50</u> sx <u>neat</u>			
<u>5-1/2</u>	<u>5740</u>	<u>150</u> reg <u>w/60#</u> <u>HR-1</u>			

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 5744 feet, and from _____ feet to _____ feet

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

DATES

November 14, 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, cu. ft. per 24 hours 3,897 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 1030 Shut in 7 days. CAOP: 4494.

BICP: 1034 EMPLOYEES

_____, Driller
Carl Matthews, Drilling Engineer XXX, Driller
_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>2584</u>	<u>2584</u>	<u>Surface</u>
<u>2584</u>	<u>2776</u>	<u>182</u>	<u>Ojo Alamo - Sand</u>
<u>2776</u>	<u>3126</u>	<u>360</u>	<u>Kirtland-Shale w/ some sand.</u>
<u>3126</u>	<u>3346</u>	<u>220</u>	<u>Fruitland-Interbedded shale, sand, and coal.</u>
<u>3346</u>	<u>3500</u>	<u>154</u>	<u>Pictured Cliffs-Sand.</u>
<u>3500</u>	<u>5107</u>	<u>1607</u>	<u>Lewis-Shale</u>
<u>5107</u>	<u>5177</u>	<u>70</u>	<u>Cliff House-Sand.</u>
<u>5177</u>	<u>5521</u>	<u>344</u>	<u>Menefee-Interbedded sand, shale and coal.</u>
<u>5521</u>			<u>Point Lookout</u>
<u>5748</u>			<u>Total Depth</u>
<u>5744</u>			<u>Plug Back Total Depth</u>

[OVER]

16-43094-4

FORMATION RECORD—Continued

[illegible]

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of peddling, 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 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.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE: 1969 O - 350972

Well spudded 7:15 p.m., September 26, 1956. Drilled to 215.63 and set 201.63' of 10-3/4" OD H-40, 32.75¢ casing w/bottom grade shoe, cnt. w/150 sx reg. PDB 6:00 a.m. 9-27-56. Set 351.7' of 7-5/8" casing @ 3530' w/50 sx 8' & 50 sx next. Ran temp survey. Set 5728' of 5-1/2 cas @ 5740' w/150 sx reg w/60' HR-4. Released rig. Set 5730-86, 5678-74, 5658-52, 5644-34, 5628-24, 5618-08, 5602-5598, 5580-76, 5572-68, 5558-50, 5544-24 5476-72, 5452-44, 5388-76, 5272-70, 5262-56, 5192-88, 5178-60, 5156-46, 5142-38, 5132-24 & 5118-08 w/3 SPT. Prec CH, M & PL by Dowell w/153,500 gals water only. HB. 1550¢, Avg. 1350¢, Max. 1550¢. Std. 100¢, IR 67.5 RPM. After inf 8,000 gals, put in 10 rubber balls & started balls @ 15 min. intervals. One truck broke down started balls @ 10 min. intervals. When 7500 gals water left dropped last balls. Total 500 balls. Ran tubing. 5691.86' of 2", set @ 5702.36. Filled tubing w/water & broke disc w-pump trucks. Completed well.

Released rig 12:01 a.m. 10-25-56.