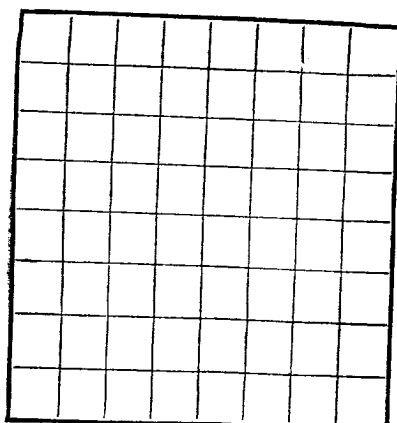


4-U.S.C.
1-M. R.
2-C. C.
1-FileBudget Bureau No. 42-R-355.3.
Approval expires 12-31-55.U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079029
LEASE OR PERMIT TO PROSPECT
#14-02-001-446UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYRECEIVED
FEB 21 1956
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company PACIFIC NORTHWEST PIPELINE CORP. Address 413 1/2 West Main, Farmington, N.M.
Lessor or Tract Unit 32-E Field Blanco State New Mexico
Well No. 11-21 Sec. 21 T. 31N R. 8W Meridian S.M.P.M. County San Juan
Location 1650 ft. N of Sec. Line and 1650 ft. N of Sec. Line of 40-21 Elevation 6583
(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 _____ Original signed by T. A. DuganDate February 9 1956Title District Engineer

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

Commenced drilling 11 11, 19 55 Finished drilling 12 5, 19 55

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5872 to 5736 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 5872 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 3/4</u>	<u>J. & L.</u>	<u>211.53</u>					
<u>10-3/4</u>	<u>30.40</u>	<u>8 3/4</u>	<u>Hewco</u>	<u>1</u>	<u>Hewco shoe</u>				
<u>7-5/8</u>	<u>20.40</u>	<u>8 3/4</u>	<u>J. & L.</u>	<u>3560</u>					
<u>7-5/8</u>	<u>14</u>	<u>8 3/4</u>	<u>Halliburton</u>	<u>1</u>	<u>Guide</u>				
<u>5-1/2</u>	<u>14</u>	<u>8 3/4</u>	<u>C. P. & S.</u>	<u>5926.74</u>	<u>Oil</u>				
<u>5-1/2</u>		<u>8 3/4</u>	<u>Hewco</u>	<u>1</u>	<u>Float</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>22E-53</u>	<u>175</u> <u>8 3/4</u>	<u>Halliburton</u>		
<u>7-5/8</u>	<u>3575</u>	<u>150</u> <u>8 3/4</u> <u>50</u> <u>8 3/4</u> <u>50</u> <u>8 3/4</u>	<u>Halliburton</u>		
<u>5-1/2</u>	<u>5934</u>	<u>150</u> <u>8 3/4</u>	<u>Halliburton</u>		
<u>2"</u>	<u>5861</u>	<u>Tubing</u>	<u>Halliburton</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 5935 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

12 5, 19 55 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 1650 ft. per 24 hours 5960 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 1002 1/2 SITP 1001 1/2
EMPLOYEES

Larry Stone, Drilling Foreman _____ Driller _____
_____, Driller _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>2255</u>	<u>2255</u>	<u>Surface</u>
<u>2255</u>	<u>2362</u>	<u>107</u>	<u>Ojo Alamo - Sand</u>
<u>2362</u>	<u>3183</u>	<u>821</u>	<u>Kirtland - Shale w/some sands</u>
<u>3183</u>	<u>3480</u>	<u>297</u>	<u>Fruitland-Interbedded sands, shale and coal.</u>
<u>3480</u>	<u>3575</u>	<u>95</u>	<u>Pictured Cliffs - Sand</u>
<u>3575</u>	<u>5363</u>	<u>1788</u>	<u>Lewis - Shale</u>
<u>5363</u>	<u>5417</u>	<u>54</u>	<u>Cliff House- Sand</u>
<u>5417</u>	<u>573 2</u>	<u>315</u>	<u>Menefee - Interbedded sand, shales and coal.</u>
<u>5732</u>	<u>5935</u>	<u>203</u>	<u>Point Lockout - Sand</u>
<u>5935</u>	<u>—</u>	<u>5935</u>	<u>Total Depth</u>

