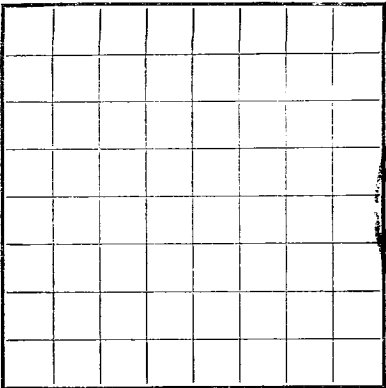
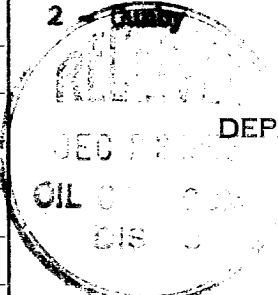




1 - W. L. Johnston
1 - File
2 - ~~Blank~~

U. S. LAND OFFICE New Mexico
SERIAL NUMBER 03402
LEASE OR PERMIT TO PROSPECT _____



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company PACIFIC NORTH WEST PIPELINE CORP. Address 413 1/2 West Main, Farmington, New Mexico
Lessor or Tract Unit 32-8 Field Blanco State New Mexico
Well No. 8-22 Sec. 22 T. 31N R. 8W Meridian N.M. 10N County San Juan
Location 1600 ft. N. of S. of N. Line and 900 ft. E. of W. of W. Line of Sec. 22 Elevation 6573
(Derrick floor relative to Ungrazed Ground)

The information given herewith is a complete and correct record of the well and all well logs so far as can be determined from all available records.
Signed J. H. Morgan

Date October 6, 1955 Title District Engineer

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

Commenced drilling 6-30, 19 55 Finished drilling 7-24, 19 55

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5966 to 5390 G 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. 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 Rd.</u>	<u>Frank</u>	<u>210.22</u>					
<u>10-3/4"</u>			<u>Frank</u>	<u>1</u>	<u>Guide Shoe</u>				
<u>7-5/8"</u>	<u>26.40</u>	<u>8 Rd.</u>	<u>J. H. B.</u>	<u>3587.80</u>					
<u>7-5/8"</u>			<u>Halliburton</u>	<u>1</u>	<u>Guide Shoe</u>				
<u>5 1/2"</u>	<u>14.8</u>	<u>8 Rd.</u>	<u>Lone Star</u>	<u>5712.84</u>					
<u>5 1/2"</u>			<u>Halliburton</u>	<u>1</u>	<u>Guide Shoe</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>227.05</u>	<u>150 sx. 4%</u>	<u>Halliburton</u>		
<u>7-5/8"</u>	<u>3610.00</u>	<u>150 sx. 8% 50 sx. Neat</u>	<u>Halliburton</u>		
<u>5 1/2"</u>	<u>5725.94</u>				

PLUGS AND ADAPTERS

Heaving plug—Material None Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
<u>None</u>						

TOOLS USED

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

DATES

_____, 19 55 Put to producing _____, 19 _____
7-24

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. 5456

U. I. T. P. 1019 S. I. G. P. 1019

_____, Driller _____, Driller
G. E. Milham, Brig. Foreman _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>2250</u>	<u>2250</u>	<u>Surface</u>
<u>2250</u>	<u>2380</u>	<u>130</u>	<u>Sand, Ojo Alamo</u>
<u>2380</u>	<u>3145</u>	<u>765</u>	<u>Shale w/some sand - Kirtland</u>
<u>3145</u>	<u>3457</u>	<u>312</u>	<u>Intertbedded Shales Coals & Sand - Fruitland</u>
<u>3457</u>	<u>3605</u>	<u>148</u>	<u>Sand - Pictured Cliffs</u>
<u>3605</u>	<u>5370</u>	<u>1765</u>	<u>Shale - Lewis</u>
<u>5370</u>	<u>5432</u>	<u>62</u>	<u>Sand - Cliff House</u>
<u>5432</u>	<u>5758</u>	<u>326</u>	<u>Sands, Shales & Coals - Menefee</u>
<u>5758</u>	<u>5966</u>	<u>208</u>	<u>Sand - Point Lockout</u>
<u>5966</u>			<u>Shale, Mancos, Total Depth</u>

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 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 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 16-48094-2

Total depth 5966', and Read 5726-5966, w/ 17,178 Gals. w/ 1# 20-40
 sd/Gal. Initial flow pressure 250 psi, final 500', well on vacuum 5
 minutes. Set bridge plug at 5710', perforated 5390-5436, 5676-5600, 5680-
 5694', with 2 line wells w-2 bullets/200'. Placed CILF House and Holes
 through perforations from 5390 to 5694 w/ 9.744 Gals. 1# sd/Gal, acidized
 with 500 Gals 15% acid with H-38 ahead of flow, initial pressure 625',
 increasing to 800# pumping. Max and final 31 0', bled off to 500%. VAG.
 Treat Injection Rate 24.5 BPM. Cleared well, set 5728' of 2-3/8" tubing.