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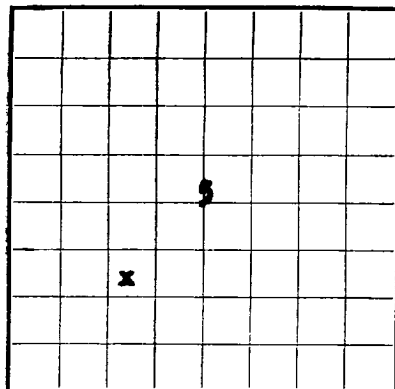
Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE Santa Fe

SERIAL NUMBER SP-078642

LEASE OR PERMIT TO PROSPECT

14-08-001-437



LOCATE WELL CORRECTLY



UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company PACIFIC NORTHWEST PIPELINE CORP. Address 418 1/2 W. Hwy., Farmington, N.M.

Lessor or Tract San Juan 29-5 Unit Field Blanco Mesa State New Mexico

Well No. 18-5 Sec. 5 T. 29N R. 5W Meridian N.M.P.M. County Rio Arriba

Location 1630 ft. N of S Line and 1650 ft. E of W Line of Section 5 Elevation 6651'
(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 George H. Pappin

Date September 25th, 1958

Title Dist. Proration Engineer

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

Commenced drilling August 25th,, 1958 Finished drilling September 6th,, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from G 5472' to G 5942' 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>8rd</u>	<u>Rep.</u>	<u>181.38</u>	<u>Tex. Pat.</u>				
<u>7-5/8</u>	<u>26.40</u>	<u>8rd</u>	<u>Rep.</u>	<u>3515.39</u>	<u>Onide</u>				
<u>5-1/2</u>	<u>14.</u>	<u>8rd</u>	<u>CPA</u>	<u>2239.16</u>	<u>Floot</u>	<u>Liner Hanger</u>	<u>3716.00</u>		
<u>1-1/4</u>	<u>2.4</u>	<u>10rd</u>	<u>Yngata</u>	<u>5999.61</u>	<u>TUBING</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>194.88</u>	<u>200</u>	<u>Pump Plug</u>		
<u>7-5/8</u>	<u>3828.89</u>	<u>200</u>	<u>Pump Plug</u>		
<u>5-1/2</u>	<u>5985.16</u>	<u>200</u>	<u>Pump Plug</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 5990' feet, and from _____ feet to _____ feet

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

DATES

September 9th,, 1958 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 5,211.000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. chg. 1031 chg. 1103 CAGE 6,011 MCF/D

EMPLOYEES

Shut in 7 days

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0'</u>	<u>2605'</u>	<u>2605'</u>	<u>Surface</u>
<u>2605'</u>	<u>2795'</u>	<u>190'</u>	<u>Ojo Alamo</u>
<u>2795'</u>	<u>3290'</u>	<u>495'</u>	<u>Kirtland</u>
<u>3290'</u>	<u>3590'</u>	<u>300'</u>	<u>Fruitland</u>
<u>3590'</u>	<u>3728'</u>	<u>138'</u>	<u>Etatured Cliffs</u>
<u>3728'</u>	<u>5458'</u>	<u>1730'</u>	<u>Lewis</u>
<u>5458'</u>	<u>5500'</u>	<u>42'</u>	<u>Cliff House</u>
<u>5500'</u>	<u>5792'</u>	<u>292'</u>	<u>Manafee</u>
<u>5792'</u>	<u>5990'</u>	<u>198'</u>	<u>Point Lookout</u>
<u>5990'</u>			<u>Total Depth</u>
<u>5980'</u>			<u>Plug Back Total Depth</u>

(OVER)

