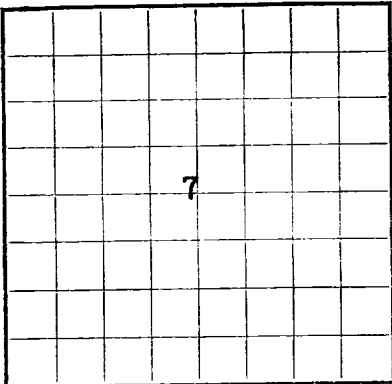


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SF-078277
LEASE OR PERMIT TO PROSPECT 14-08-001-437



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company PACIFIC NORTHWEST PIPELINE CORP. Address 405 1/2 W. Broadway, Farmington, N.M.
Lessor or Tract 29-5 Field Blanco Mesa Verde State New Mexico
Well No. 20-7 Sec. 7 T. 29N R. 5W Meridian N.M.P.M. County Rio Arriba
Location 990' ft. N of S Line and 990' ft. E of W Line of Section 7 Elevation 6493'
(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. Dugan

Date May 24, 1957 Title Assistant Division Manager

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

Commenced drilling April 4, 19 57 Finished drilling April 21, 19 57

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 0 5276' to 5788' 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>CP&I</u>	<u>222.18'</u>	<u>Guide</u>				
<u>7-5/8</u>	<u>26.4</u>	<u>8 rd.</u>	<u>Republic</u>	<u>3627.25</u>	<u>Guide</u>				
<u>5-1/2</u>	<u>14.</u>	<u>8 rd.</u>	<u>Republic</u>	<u>225.25</u>	<u>Plug</u>				
<u>2-3/8</u>	<u>4.7</u>	<u>8 rd.</u>		<u>5776.44</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>236'</u>	<u>200</u>	<u>Pump Plug</u>		
<u>7-5/8</u>	<u>3700'</u>	<u>200</u>	<u>Pump Plug</u>		
<u>5-1/2</u>	<u>5800'</u>	<u>150</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 5803' feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19 57 Put to producing _____, 19 _____
May 7,
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 4172 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____
Tubing 913 Casing 1105 CAOF 8056

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0'</u>	<u>2532'</u>	<u>2532'</u>	<u>Surface</u>
<u>2532'</u>	<u>2700'</u>	<u>168'</u>	<u>Ojo Alamo</u>
<u>2700'</u>	<u>3180'</u>	<u>480'</u>	<u>Kirtland</u>
<u>3180'</u>	<u>3432'</u>	<u>252'</u>	<u>Fruitland</u>
<u>3432'</u>	<u>3610'</u>	<u>178'</u>	<u>Pictured Cliffs</u>
<u>3610'</u>	<u>5230'</u>	<u>1620'</u>	<u>Lewis</u>
<u>5230'</u>	<u>5310'</u>	<u>80'</u>	<u>Cliff House</u>
<u>5310'</u>	<u>5610'</u>	<u>300'</u>	<u>Menefee</u>
<u>5610'</u>	<u>TD</u>	<u>193'</u>	<u>Point Lookout</u>
<u>5803'</u>			<u>Total Depth</u>

