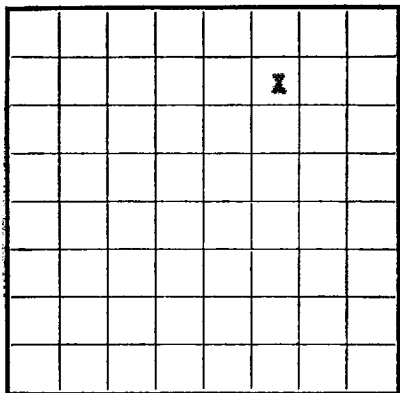




LOCATE WELL CORRECTLY

1 - U.S.G.S.

1 - W.R. Johnston

2 - J. F. Allister

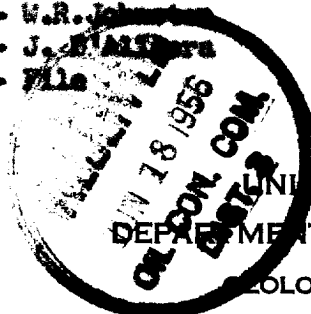
1 - File

Budget Bureau No. 42-R-355.3.
Approval expires 12-31-55.

U. S. LAND OFFICE Santa Fe

SERIAL NUMBER 070281

LEASE OR PERMIT TO PROSPECT
#14-08-011-437



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company PACIFIC NORTHWEST PIPELINE CORP. Address 413 1/2 W. Main St., Farmington, N.M.
Lessor or Tract Unit 29-5 Field 24-17 State New Mexico
Well No. 24-17 Sec. 17 T. 29N R. 5W Meridian N.M.P.M. County Rio Arriba
Location 990 ft. S. of Sec. Line and 1650 ft. W. of Sec. Line of Section 17 Elevation 5591.7
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 April 23rd, 1956 Title District Engineer

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

Commenced drilling January 18th, 1956 Finished drilling February 21st, 1956

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from P.C. 3585 to 3740 No. 4, from _____ to _____
No. 2, from N.V. 5408 to 5428 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—	
10-3/4	32.75	8 Rd	Csg.	193.03	Larkin				
7-5/8	26.4	8 Rd	Csg.	156.07	Larkin				
5-1/2	19.8	8 Rd	Csg.	114.1	Larkin				
4-1/2	14.7	8 Rd	Csg.	80.38	Larkin				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	210.06	150 3x	Halliburton		
7-5/8	3585	150 8 1/2 & 50 West	Halliburton		
5 1/2"	5927	150 3x	Halliburton		

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 5930 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

February 21st, 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, c.c.f. per 24 hours 4252 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 5177-10460, 11304

EMPLOYEES

3 Hr. Open Flow 3-1-56

Morris Jones - Drig. Engineer Driller XXXXX
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2722	2722	Surface
2722	2880	158	Ojo Alamo - Sand
2880	3230	350	Kirtland - Shale w/ some sand
3230	3532	302	Fruitland - Interbedded sand, shale & coal.
3532	3740	208	Pictured Cliffs - Sand
3740	5407	1667	Levis - Shale
5407	5448	41	Cliff House - Sand
5448	5726	278	Manatee - Interbedded sand, shale & coal.
5726	5930	204	Point Lookout - Sand
5930			Total Depth
5919			Plug Back Depth

