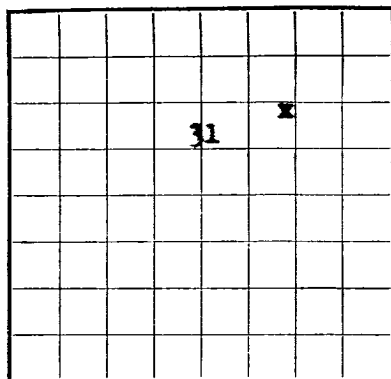


3 - USGS
2 - NMOC
1 - L. G. Truby
1 - File

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

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SP-079732
LEASE OR PERMIT TO PROSPECT 14-08-001-933



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company PACIFIC NORTHWEST PIPELINE CORPORATION Farmington, N.M.
Lessor or Tract 28-4 Field Blanco Mesa Verde State New Mexico
Well No. 11-31 Sec. 31 T. 28N R. 4W Meridian N.M.P.M. County Bio Arriba
Location 1700' ft. S. of N. Line and 1760' ft. W. of E. Line of Section 31 Elevation 7303'
(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 June 5, 1957 Title Assistant Division Manager

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

Commenced drilling April 6, 1957 Finished drilling April 25, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6536' to 5998' 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—
10-3/4	32.75	8rd.	CP&I	216.33	Tex. Pat.			
7-5/8	26.4	8rd.	CP&I	130.50	CP&I			
5-1/2	15.5	8rd.	CP&I	2286.69	CP&I			
2-3/8	4.7	8rd.	CP&I	6516.45	(tubing)			

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	227.38*	200	Pump Plug		
7-5/8	4456*	200	Pump Plug		
5-1/2	6570*	150	Pump Plug		

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

DATES

_____ 1957 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 _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 3305 Tubing 1033 Casing 1126 CAOP 5,114

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0'	3650'	3650'	Surface
3650'	3773'	123'	Ojo Alamo
3773'	4022'	249'	Kirtland
4022'	4219'	197'	Fruitland
4219'	4330'	111'	Pictured Cliffs
4330'	5995'	1665'	Lewis
5995'	6084'	89'	Cliff House
6084'	6365'	281'	Menefee
6365'	TD		Point Lookout
6577'			Total Depth
6574'			Plug Back Total Depth

