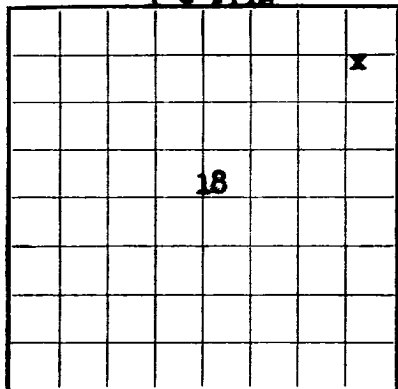




LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company PACIFIC NORTHWEST PIPELINE CORP. Address 405 1/2 West Broadway, Farmington
Lessor or Tract Rosa Field Blanco Mesa Verde State New Mexico
Well No. 22-18 Sec. 18 T. 31N R. 5W Meridian N.M.P.M. County Rio Arriba
Location 890 ft. N of N Line and 800 ft. W of E Line of Section 18 Elevation 6388'
(Derrick base 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 George H. Pappin

Date July 3, 1957 Title District Production Engineer

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

Commenced drilling May 5, 1957 Finished drilling May 20, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 8 5848' to 5530' 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
10-3/4	32.75	8rd.	CP&I	230.35	Tex. Pat.			
7-5/8	14.7	8rd.	CP&I	230.35	Tex. Pat.			
5-1/2	14.7	8rd.	CP&I	230.35	Tex. Pat.			
2-3/8	4.7	8rd.	CP&I	5320.71	(Running)			

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	242.35'	175	Pump Plug		
7-5/8	3667.61'	200	Pump Plug		
5-1/2	5930'	250	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

_____, 19____ 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. 3,016.000

Tubing 1257 Casing 1257 CAOP 1,257

Shut in 7 days

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0'	2490'	2490'	Surface
2490'	2624'	134'	Ojo Alamo
2624'	3080'	456'	Kirtland
3080'	3238'	158'	Fruitland
3238'	3622'	384'	Pictured Cliffs
3622'	5430'	1808'	Lewis
5430'	5510'	80'	Cliff House
5510'	5708'	198'	Menefee
5708'	TD	222'	Point Lookout
5930'			Total Depth
5903'			Plug Back Total Depth

