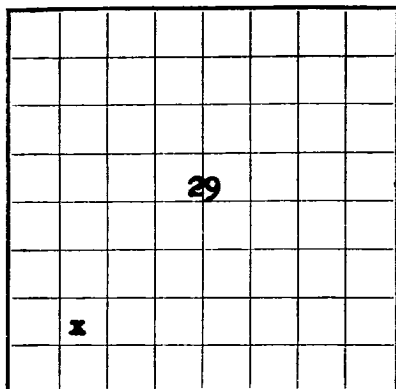


5 - USGS
1 - L. G. Truby
1 - File

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

Form 9-330

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 88-078764
LEASE OR PERMIT TO PROSPECT
14-08-001-587



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, N.M.
Lessor or Tract Rosa 31-5 Field Blanco Mesa Verde State New Mexico
Well No. 23-29 Sec. 29 T. 31N R. 5W Meridian N.M.P.M. County Rio Arriba
Location 800' ft. N. of 8 Line and 835 ft. E. of 8 Line of Section 29 Elevation 6445
(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 15, 1957 Title Assistant Division Manager

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

Commenced drilling March 26, 1957 Finished drilling April 18, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5474' to 5824' 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 _____ 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	From—	To—	Purpose
10-3/4	32.75	8	J. A. I.	208.49'	Guide					
7-5/8	29.5	8	Imperial	189.50'	Guide					
5-1/2	16.7	8	Imperial	293.00'	Guide					
2-3/8	4.7	8	Imperial	579.75'	(Casing)					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	220.99'	170	Pump Plug		
7-5/8	3722'	200	Pump Plug		
5-1/2	5935'	200	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 0' feet to 5935' feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

April 22, 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. 2085
Tubing 964 Casing 1065 CACF 2295 Shut in 7 days

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0'	2555'	2555'	Surface
2555'	2670'	115'	Ojo Alamo
2670'	3075'	405'	Kirtland
3075'	3285'	210'	Fruitland
3285'	3657'	372'	Pictured Cliffs
3657'	5452'	1795'	Lewis
5452'	5500'	48'	Cliff House
5500'	5728'	228'	Munsee
5728'	TD		Point Lookout
5935'			Total Depth
5907'			Plug Back Total Depth

1992

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

A blank sheet of white graph paper with a light gray grid pattern. The grid consists of small squares, approximately 1 cm by 1 cm. There are no markings or text on the page.

* 1995-1996: 113,575,000

Original signed by T. A. Dupont

OIL OR GAS SANDS OR ZONES

(G) und zwar sind

[illegible]

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "struck" or left in the well, give the size and location. If the well has been dynamited, give date, size, position, and number of shots. If piers or bridges were put in to test for water, state kind of material used, position, and results of punning or bailing.

HISTORY OF OIL OR GAS WELL

16-55092-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]