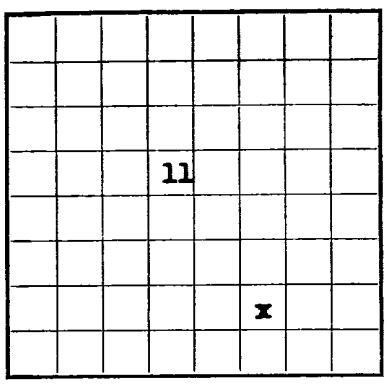
4-USGS
2-C.C. Rogers
1-W. R. Johnston
1-File

Form 9-330

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

U. S. Land Office Santa Fe
Serial Number 079727A
Lease or Permit to Prospect #14-08-0010933



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
OCT 30 1956
OIL CON. COM.
DIST. 3

LOG OF OIL OR GAS WELL

Company PACIFIC NORTHWEST PIPELINE CORP. Address 413½ West Main

Lessor or Tract Unit # 28-4 Field Blanco M.V. Wildcat P.C. State New Mexico

Well No. 6-11 Sec. 11 T. 28-N R. 4W Meridian N.M.P.M. County Rio Arriba

Location 1075 ft. {N.} of Sec. Line and 925 ft. {E.} of Sec. Line of Sec. 11 Elevation 7346.9 ~~[illegible]~~ Ungraded Ground

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

Date January 5, 1956 Title District Engineer

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

Commenced drilling 9-5-55, 19 Finished drilling 11-6-55, 19

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4224 to 4290 G No. 4, from to

No. 2, from 5900 to 6506 G 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 From—	Perforated To—	Purpose
10 3/4	32.75	8 Rd.	Cord "B"	201.40					
10-3/4			Davis	1	Texas Pattern				
7-5/8	24	8 Rd.	National	4052.10					
7-5/8			Davis	1	Guide				
5-1/2	15.5&14	8 Rd.	Lone Star	6556.75					
5-1/2	15.5 & 14	8 Rd.	Davis		Float				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	216-18	110 sx 4% gel	Halliburton		
7-5/8	4070.00	110 sx 8% gel 100 sx neat	Halliburton		
5-1/2	6570.72	240 sx 8% and ¼	Halliburton		
2 3/8	5870.36				

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 6850 feet, and from feet to feet

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

DATES

11-6, 19 56 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 MCF Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 1,892

EMPLOYEES

S.I.C.P. 960# Temp. Abandoned 4-23-56 In Mesa Verde Form., Driller

Robert Mieze, Drilling Foreman, Driller Tested Pictured Cliff Form. 11-12-55, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	3632	3632	Surface
3632	3799	167	Sand-Ojo Alamo
3799	3945	146	Shale w/some sand - Kirtland
3945	4060	115	Interbedded sand, shale and coal - Fruitland
4060	4349	289	Sand - Pictured Cliffs
4349	5870	1521	Shale - Lewis
5870	6083	213	Sand & Shale - Mesa Verde transiting
6083	6144	61	Sand - Cliff House
6144	6420	276	Interbedded Sand, Shale and coal - Menefee
6420	-	6420	Sand - Pt. Lookout
6420	6580	160	Total Depth

[OVER]

16—43094-4

FOLD | MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION

EMPLOYEES

DATES

TOOLS USED

PLUGS AND ADAPTERS

SHOOTING RECORD

Depth cleaned out	Depth shot	Date	Quantity	Explosive used	Shell used	Size

WELDING AND CEMENTING RECORD

Amount of mud used	Kind of mud fluid	Cubic feet of cement	Sacks of cement	Method of cementing

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

HISTORY OF OIL OR GAS WELL

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 "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Pulled 2" tubing, perf. from 6506' -6424', frac formation w/40, 000 gal water and 45,000# 20-40 sd. Breakdown 2300#, Pump 1950# Avg. treat 1400#. Max. 1980#. Final 1400#. Pressure at end of 5 minutes Zero. Avg. injection rate 43.2 B.P.M. Set bridge plug 6390' perf. 6346-6130, sand frac w/40,000 gals. water and 43,000# sand. Breakdown 2200#. Avg. 1850# Max and Final 1950#, 400# after 5 minutes. Avg. injection rate 39.8 BPM. Set bridge plug 6030' perf. 6038-5900 frac w/ 40,000 gal water and 50,000 sd. Breakdown 1706#, Avg. 1500#. Max and final 1900#. Standing 800# after 5 minutes Avg. 37 B.P.M. Cleaned out to 6580'. Set bridge plug at 4314'. Perf. 4 holes at 4224' set Baker Retrivable Cement Retainer 4286'. Sqd. Stage #1. Breakdown Zero. Mixed 120 sx pump 0 - 500#, Max 500#, Final Zero. Cleaned perfs, 2nd stage. sqz. Breakdown 500# Mix. 60 sx cmt. Avg. pump 2000-2500#. Max and Final 3000#, 55 sx to formation, W.O.C. 6:45 P.M. 11/1/55. Frac from 4290-4244 frac B.D. w/40,000 gals water and 50,000 (40-60)# sd. B.D. 1800#. Avg. treat 1500#, 5 minutes S.I.P. 30#. I.R. 43 B.P.M. Max and final 1050#. Cleaned out to 6200 Set Baker Model "D" Prod. Packer. Top of tubing measures 5861.54' bottom of tubing at 5869.25'. Side door choke 4305.9 ". Released rig 3:00 A.M. 11-6-55.

FORM 9-330

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

Dist. 3
OIL CON. COM.
OCT 30 1956
RECEIVED

LEASE OR PERMIT TO PROSPECT

SERIAL NUMBER

U. S. LAND OFFICE

Budget Bureau No. 42-R356.4
Approval expires 12-31-60.