Form 9-330

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

U. S. LAND OFFICE New Mexico
SERIAL NUMBER 012709
LEASE OR PERMIT

RECEIVED
DEC 23 1955
OIL CON. COM.
DIST. 3

RECEIVED
DEC 8 1955
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company PACIFIC NORTHWEST PIPELINE CORP. Address 413½ W. Main, Farmington, New Mexico

Lessor or Tract Unit 30-6 Field Blanco State New Mexico

Well No. 15-29 Sec. 29 T. 30N R. 7W Meridian N.M.P.M. County Rio Arriba

Location 1700 ft. {N/S} of S Line and 900 ft. {E/W} of E Line of Sec. 29 Elevation 6289.2' (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 November 28, 1955 Title District Engineer

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

Commenced drilling October 12, 19 55 Finished drilling November 3, 19 55

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 4938 to 5456 G 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 From—	Perforated To—	Purpose
10-3/4	32.75	8 rd.	J & L	187.81					
7-5/8	24	8 rd.	Republic	3088	Texas pattern				
5-1/2	14#	8 rd.	Republic	5490	Baker				
5-1/2					Shirley				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	202.42	140 sx. 4%	Halliburton		
7-5/8	3088	140 sx. 8%	"		
5-1/2	5490	140 sx. 2%	"		
2-3/8	5457				

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 5490 feet, and from feet to feet

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

DATES

November 3, 19 55 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 in 9,166 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. SICP 1030 SIDP 1031

EMPLOYEES

Bob Bonner, Drilling Foreman, Driller , Driller

, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2093	2093	Surface
2093	2236	143	Sand - Ojo Alamo
2236	2870	634	Shale w/some sand - Kirtland
2870	3136	266	Interbedded shales, coals & sand - Fruitland
3136	3238	102	Sand - Pictured Cliffs
3238	4935	1697	Shale - Lewis
4935	5025	90	Sand - Cliff House
5025	5351	326	Interbedded sand, shales & coal - Menefee
5351			Sand - Point Lookout.
5351	5490	39	Total Depth.

[OVER]

16—43094-8

FOLD | MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

FROM—	TO—	TOTAL FEET	FORMATION

FORMATION RECORD

Dallas ..... Dallas

Dallas ..... Dallas

EMPLOYEES

Hook pressure, lbs. per sq. in. .....

Chlorine gasoline per 1,000 cu. ft. of gas .....

It gas well cu. ft. per 24 hours .....

Carvin, B.S. .....

DATES

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

Rotary tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

TOOLS USED

Ready to produce 19

The production for the first 24 hours was ..... barrels of fluid of which ..... % was oil; ..... % emulsion; ..... % water; and ..... % sediment.

PUMPING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used

SHOOTING RECORD

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

PLUGS AND ADAPTERS

Heaving plug—Material ..... Length ..... Depth set .....

Adapters—Material ..... Size .....

OIL OR GAS SANDS OR ZONES

(Depth top and bottom)

No. 1, from ..... to ..... 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 bent from	Perforated From—	To—	Purpose

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.

Drilled to 5390'. Perforated Point Lookout 5142-5360, frac w/40,000 gal. water & 1# sand/ gal. 40-60 sand. Breakdown 2000#, Average treat 1000#, maximum & final 1000#, to vacuum. Average injection rate 47.3 B.P.M. Set bridge plug 5300' and perf. Menefee from 5282' - 5066', frac w/40,000 gal. water w/1# 40-60 sand/gal. Breakdown 1200#, Average treat 1000#, Maximum & final 1000#, went to vacuum. Average injection Rate 41 B.P.M. Set bridge plug 5052' and perf. Cliff House from 5040 - 4938, frac w/40,000 gal. water & 1.2# 40-60/ sand/gal. Breakdown 1700#, Average treat 1900#, final 1700#, Average injection rate 53.5 B.P.M. Ran 5447.15' of 2-3/4" 4.7# J-55 Eurd. Republic tubing @ 5437.15'. Released rig 2:00 P.M. 11-3-55.

LOG OF OIL OR CAS WELL

LOCATE WELL CORRECTLY

Company ..... Address ..... State .....

Lessor or Farm ..... Field ..... County .....

Well No. ..... Sec. ..... T. ..... R. ..... Meridian .....

Location ..... ft. N. or S. of ..... Line and ..... ft. E. or W. of ..... Line of ..... Elevation .....

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 ..... Title .....

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

Commenced drilling ..... 19.. Finished drilling ..... 19..

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U. S. LAND OFFICE .....
SERIAL NUMBER .....
LEASE OR PERMIT TO PROSPECT .....

FORM 9-330

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