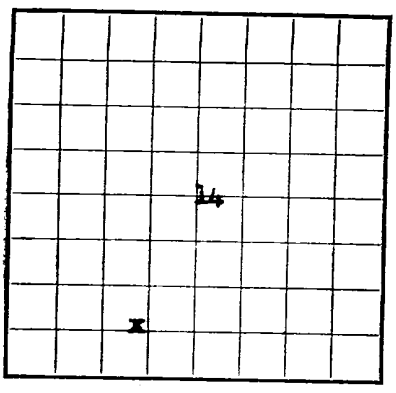
Form 9-330

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



LOCATE WELL CORRECTLY

4-USGS
1-R.R. Johnston
2-J.D'Arcy
2-El Paso
1-File

RECEIVED
MAY 18 1956
OIL CON. COM.
DIST. 3

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER N.M. 02305
LEASE OR PERMIT TO PROSPECT
14-08-001-051

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Pacific Northwest Pipeline Corp. Address 413½ E. Main, Farmington, N.M.

Lessor or Tract Unit 28-6 Field Blanco MV. State New Mexico

Well No. 59-14 Sec. 14 T. 28N R. 6W Meridian N.M.P.M. County Rio Arriba

Location 790 ft. {N.} of Sec Line and 1850 {E.} of Sec Line of Sec 14 Elevation 6458
(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 9, 1956 Title District Engineer

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

Commenced drilling 2-25, 19 56 Finished drilling 3-15, 19 56

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5058 to 5659 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	8rd	J&L	209.65	Tex Pat				
7-5/8	26.4	8rd	J&L	3334.34	Guide				
5-1/2	14	8rd	Lone Star	5685.42	Guide				
2-3/8	4.7	8rd	CPAI	5657.96	Perf. Nipple				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	224.90	165 sx reg	Halliburton		
7-5/8	3750	150 sx 35-50 sx neat	Halliburton		
5-1/2	5699.70	150 sx reg	Halliburton		

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 5700 feet, and from feet to feet

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

DATES

3-15, 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 4498 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. SIT 1105# CP 1105#

EMPLOYEES

Morris Jones Drilling Engineer, Driller 3 hour open flow 4-5-56

, Driller Shut in for 21 days, Driller

, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2449	2449	Surface
2449	2652	203	Ojo Alamo-Sand
2652	3037	385	Kirtland-Shale w/some sand
3037	3315	278	Fruitland-Interbedded sand, shale, and coal
3315	3413	98	Pictured Cliffs-Sand
3413	5053	1640	Lewis-Shale
5053	5133	80	Cliff House-Sand
5133	5494	361	Menefee-Interbedded sand, shale and coal
5494	5700	206	Point Lookout-Sand
5700			Total Depth
5690			Plug Back Depth

[OVER]

16—43094-3

FOLD | MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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.

Total Depth 5700'. Ran Lane Wells Logs. Perf. 5574-86, 5592-98, 5604-14, 5620-32, 5642-52, 5655-59 w/ 2 shots/ft. Frac UPI w/44,500 gals water only. BD 1900#, Avg 1100#, Final 1200#, to vacuum. Avg I.R. 48.3 BPM. Perf 5498-5520, 5524-28, 5534-38, 5542-46, 5550-54, w/3 shots/ft. Set Baker retrievable BP @ 5564'. Frac UPI w/47,000 gals water only. BD 1600#, Avg 1350#, Final 1400# to vacuum. Avg I.R. 62.2 BPM. Perf 5204-10, 5213-16, 5224-30, 5306-22, 5334-40, 5416-20, 5428-32, 5442-46, 5458-62, w/2 shots/ft. Re-set BP @ 5476'. Frac Menefee w/41,530 gals water only. BD 1500#, Avg 1450#, Final 1400#. Standing 150# in 5 minutes. Avg I.R. 58.2 BPM. Set BP @ 5190'. Perf. 5052-62, 5068-72, 5076-94, 5100-08, 5114-28, w/2 shots/ft. Frac CH w/45,300 gals water only. BD 1200#, Avg 1400#, Max and Final 1400#. Standing zero. Avg I.R. 60 BPM. Retrieved BP. Cleaned out to T.D. Set 5657.96' of 2-3/8" tubing. Set @ 5674.71'.

Released rig 5:00 P.M. 3-15-56.

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES