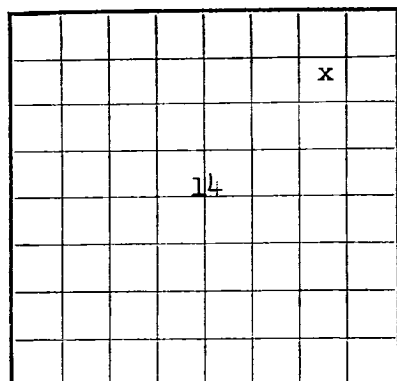


3 - USGS
2 - NMOCC
3 - El Paso
1 - Bolack
1 - L. G. Truby
1 - File

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

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER NM-05219
LEASE OR PERMIT TO PROSPECT
14-08-001-1650



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 W. Broadway, Farmington, N.M.
Lessor or Tract 29-7 Field Blanco Mesa Verde State New Mexico
Well No. 62-14 Sec. 14 T. 29N. R. 7W. Meridian N.M.P.M. County Rio Arriba
Location 936 ft. [N.] of N. Line and 846 ft. [W.] of E. Line of Section 14 Elevation 6293' (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.

Original signed by T. A. Degan

Date April 22, 1957 Title Assistant Division Manager

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

Commenced drilling February 12, 1957 Finished drilling March 16, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6' 4890' to 5456' No. 4, from 5456' to 5560'

No. 2, from 5456' to 5560' No. 5, from 5560' to 5560'

No. 3, from 5560' to 5560' No. 6, from 5560' to 5560'

IMPORTANT WATER SANDS

No. 1, from None to No. 3, from 5560' to 5560'

No. 2, from 5560' to 5560' No. 4, from 5560' to 5560'

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	8 Rd	Republic	208.88	Baker			
7-5/8	26.42	8 Rd	Republic	134.92	Baker			
5-1/2	16.40	8 Rd	Republic	82.00	Baker			
2-3/8	10.75	8 Rd	Republic	11.75	Baker			

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	220.88	225	Pump Plug		
7-5/8	3324.92	200	Pump Plug		
5-1/2	5560	150	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 5560' feet, and from feet to feet

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

DATES

March 16, 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 2,212 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. Tubing 1066 Casing 1100 CAOF 2,568

EMPLOYEES Shut in 7 days

Driller Driller

Driller Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0'	2185'	2185'	Surface
2185'	2395'	210'	Ojo Alamo
2395'	2849'	454'	Kirtland
2849'	3141'	292'	Fruitland
3141'	3238'	97'	Pictured Cliffs
3238'	4882'	1644'	Lewis
4882'	5009'	127'	Cliff House
5009'	5325'	316'	Menefee
5325'			Point Lookout
5560'			Total Depth
5560'			Plug Back Total Depth

LOG OF CUT OR GAS WELL

A 10x10 grid with a large 'X' in the top-left corner and a small '1' in the center.

The following given name is a complete and correct record of the child's birth as far as the State of New York is concerned from its available records.

Original signed by T. A. Deegan

Original signed by T. A. Deagan

responded positively to the question, "Do you think the FBI is doing a good job of keeping the country safe?"

Max Deviation 10 @ 4810

NO CORES

OIL OR GAS SANDS OR COALS

(C) no 2nd stage()

Neutron, 2800, to 3300, and 4400, to 5559.

15% acid, total 310 balls, overall avg in./rate 42.5 bbls/min. Total ton 84,000 gal water 84,000 gal

① avg press 3000#. Inj 500 gal 15% acid & 120 balls. Press went to 2600#. Inj 42,000 gal water @ avg press 2700#, dropped balls

acid & 20 balls. Press to 3300#. then broke to 2000#. In 22 000 gals water

5324-68, 5331-33, 5338-68, 5370-78, 5380-5400, 5426-30, 5452-56, 5454-56, 5457-58, 5460-62, 5463-64, 5465-66, 5467-68, 5469-70, 5471-72, 5473-74, 5475-76, 5477-78, 5479-80, 5481-82, 5483-84, 5485-86, 5487-88, 5489-90, 5491-92, 5493-94, 5495-96, 5497-98, 5499-5000, 5501-5502, 5503-5504, 5505-5506, 5507-5508, 5509-5510, 5511-5512, 5513-5514, 5515-5516, 5517-5518, 5519-5520, 5521-5522, 5523-5524, 5525-5526, 5527-5528, 5529-5530, 5531-5532, 5533-5534, 5535-5536, 5537-5538, 5539-5540, 5541-5542, 5543-5544, 5545-5546, 5547-5548, 5549-5550, 5551-5552, 5553-5554, 5555-5556, 5557-5558, 5559-5560, 5561-5562, 5563-5564, 5565-5566, 5567-5568, 5569-5570, 5571-5572, 5573-5574, 5575-5576, 5577-5578, 5579-5580, 5581-5582, 5583-5584, 5585-5586, 5587-5588, 5589-5590, 5591-5592, 5593-5594, 5595-5596, 5597-5598, 5599-5600, 5601-5602, 5603-5604, 5605-5606, 5607-5608, 5609-5610, 5611-5612, 5613-5614, 5615-5616, 5617-5618, 5619-5620, 5621-5622, 5623-5624, 5625-5626, 5627-5628, 5629-5630, 5631-5632, 5633-5634, 5635-5636, 5637-5638, 5639-5640, 5641-5642, 5643-5644, 5645-5646, 5647-5648, 5649-5650, 5651-5652, 5653-5654, 5655-5656, 5657-5658, 5659-5660, 5661-5662, 5663-5664, 5665-5666, 5667-5668, 5669-5670, 5671-5672, 5673-5674, 5675-5676, 5677-5678, 5679-5680, 5681-5682, 5683-5684, 5685-5686, 5687-5688, 5689-5690, 5691-5692, 5693-5694, 5695-5696, 5697-5698, 5699-5700, 5701-5702, 5703-5704, 5705-5706, 5707-5708, 5709-5710, 5711-5712, 5713-5714, 5715-5716, 5717-5718, 5719-5720, 5721-5722, 5723-5724, 5725-5726, 5727-5728, 5729-5730, 5731-5732, 5733-5734, 5735-5736, 5737-5738, 5739-5740, 5741-5742, 5743-5744, 5745-5746, 5747-5748, 5749-5750, 5751-5752, 5753-5754, 5755-5756, 5757-5758, 5759-5760, 5761-5762, 5763-5764, 5765-5766, 5767-5768, 5769-5770, 5771-5772, 5773-5774, 5775-5776, 5777-5778, 5779-5780, 5781-5782, 5783-5784, 5785-5786, 5787-5788, 5789-5790, 5791-5792, 5793-5794, 5795-5796, 5797-5798, 5799-5800, 5801-5802, 5803-5804, 5805-5806, 5807-5808, 5809-5810, 5811-5812, 5813-5814, 5815-5816, 5817-5818, 5819-5820, 5821-5822, 5823-5824, 5825-5826, 5827-5828, 5829-5830, 5831-5832, 5833-5834, 5835-5836, 5837-5838, 5839-5840, 5841-5842, 5843-5844, 5845-5846, 5847-5848, 5849-5850, 5851-5852, 5853-5854, 5855-5856, 5857-5858, 5859-5860, 5861-5862, 5863-5864, 5865-5866, 5867-5868, 5869-5870, 5871-5872, 5873-5874, 5875-5876, 5877-5878, 5879-5880, 5881-5882, 5883-5884, 5885-5886, 5887-5888, 5889-5890, 5891-5892, 5893-5894, 5895-5896, 5897-5898, 5899-5900, 5901-5902, 5903-5904, 5905-5906, 5907-5908, 5909-5910, 5911-5912, 5913-5914, 5915-5916, 5917-5918, 5919-5920, 5921-5922, 5923-5924, 5925-5926, 5927-5928, 5929-5930, 5931-5932, 5933-5934, 5935-5936, 5937-5938, 5939-5940, 5941-5942, 5943-5944, 5945-5946, 5947-5948, 5949-5950, 5951-5952, 5953-5954, 5955-5956, 5957-5958, 5959-5960, 5961-5962, 5963-5964, 5965-5966, 5967-5968, 5969-5970, 5971-5972, 5973-5974, 5975-5976, 5977-5978, 5979-5980, 5981-5982, 5983-5984, 5985-5986, 5987-5988, 5989-5990, 5991-5992, 5993-5994, 5995-5996, 5997-5998, 5999-6000, 6001-6002, 6003-6004, 6005-6006, 6007-6008, 6009-6010, 6011-6012, 6013-6014, 6015-6016, 6017-6018, 6019-6020, 6021-6022, 6023-6024, 6025-6026, 6027-6028, 6029-6030, 6031-6032, 6033-6034, 6035-6036, 6037-6038, 6039-6040, 6041-6042, 6043-6044, 6045-6046, 6047-6048, 6049-6050, 6051-6052, 6053-6054, 6055-6056, 6057-6058, 6059-6060, 6061-6062, 6063-6064, 6065-6066, 6067-6068, 6069-6070, 6071-6072, 6073-6074, 6075-6076, 6077-6078, 6079-6080, 6081-6082, 6083-6084, 6085-6086, 6087-6088, 6089-6090, 6091-6092, 6093-6094, 6095-6096, 6097-6098, 6099-6100, 6101-6102, 6103-6104, 6105-6106, 6107-6108, 6109-6110, 6111-6112, 6113-6114, 6115-6116, 6117-6118, 6119-6120, 6121-6122, 6123-6124, 6125-6126, 6127-6128, 6129-6130, 6131-6132, 6133-6134, 6135-6136, 6137-6138, 6139-6140, 6141-6142, 6143-6144, 6145-6146, 6147-6148, 6149-6150, 6151-6152, 6153-6154, 6155-6156, 6157-6158, 6159-6160, 6161-6162, 6163-6164, 6165-6166, 6167-6168, 6169-6170, 6171-6172, 6173-6174, 6175-6176, 6177-6178, 6179-6180, 6181-6182, 6183-6184, 6185-6186, 6187-6188, 6189-6190, 6191-6192, 6193-6194, 6195-6196, 6

...and results of pumping or bailing.

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 the 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 pings or bridges were put in test for water, state kind of material used, position, and results of pumping or balling.

HISTORY OF OIL OR GAS WELL

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

[illegible]

2-11 AM. U.S. 105-