

A 10x10 grid with a small 'x' in the 3rd column and 3rd row from the bottom-left corner.



U. S. LAND OFFICE ----- Santa Fe
SERIAL NUMBER ----- 078507
LEASE OR PERMIT TO PROSPECT -----
14-08-001-569
ATES RECEIVED
THE INTERIOR
AUG 20 1904
SURVEY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract San Juan 32-9 Unit Field Blanco State New Mexico
Well No. 9 Sec. 25 T. 32N R. 10W Meridian NMPM County San Juan
Location 390 ft. N of S Line and 1650 ft. E of W Line of Section 25 Elevation 6350
(Disturb 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 St. Louis

Date August 13, 1954 Title Petroleum Engineer

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

Commenced drilling December 14, 1953 Finished drilling July 8, 1954

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 3192	to 3235 (G)	No. 4, from 5463	to 5574 (G)
No. 2, from 4980	to 5100 (G)	No. 5, from	to
No. 3, from 5100	to 5463 (G)	No. 6, from	to

IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, 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		Purpose
							From—	To—	
9 5/8	25.4	S.W.	Armco	161	Armco				Surface
7	23	8 RD	Young's	2023	Baker				Prod. Cont.
7	20	8 RD	Young's	2008					Prod. Cont.
2	4.7	8 RD	Young's	1601					Prod. Cont.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8	170	125	Circulated		
7	1025 504	500	Single Stage		

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
	Sand-Oil, See Well History.					

TOOLS USED

Rotary tools were used from 0 feet to 5025 feet, and from 5025 feet to 5620 feet.
 Directional hole
 Cable tools were used from 5094 feet to 5620 feet, and from 5094 feet to 5620 feet.

DATES

.....July 10....., 19 54..... 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 4,832,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 981

EMPLOYEES

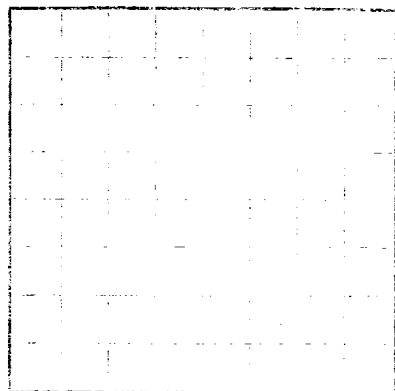
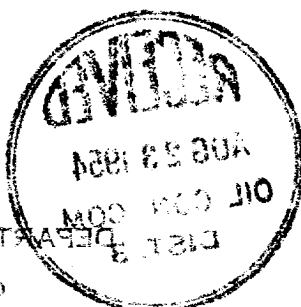
_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	810	810	Tan cr-grn ss w/thin sh breaks.
810	1405	595	Variegated sh w/thin ss breaks.
1405	2285	880	Tan to gry cr-grn ss interbedded w/gry sh.
2285	2431	146	Ojo Alamo ss. White cr-grn s.
2431	2740	309	Kirtland formation. Gry sh interbedded w/tight gry fine-grn ss.
2740	3192	452	Fruitland formation. Gry carb sh, scattered coal coals and gry, tight, fine-grn ss.
3192	3235	43	Pictured Cliffs formation. Gry, fine-grn, tight, varicolored soft ss.
3235	4980	1745	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4980	5100	120	Cliff House ss. Gry fine-grn, dense sil ss.
5100	5463	363	Menefee formation. Gry, fine-grn s, carb sh and coal.
5463	5574	111	Point Lookout formation. Gry, very fine sil ss w/frequent sh breaks.
5574	5650 T.D.	76	Mancos formation. Gry carb sh.
			<u>Tops</u>
			Ojo Alamo 2285
			Kirtland 2431
			Fruitland 2740
			Pictured Cliffs 3192
			Lewis 3235
			Cliff House 4980
			Menefee 5100
			Point Lookout 5463
			Mancos 5574

UNITED STATES
DEPARTMENT OF THE INTERIOR
BIOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG 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 balling.

7-1-54 Total Depth 5195', interval treated 5025'-5195'. (Directional hole). Set Baker retainer at 4900 and treated oil house formation with 14,160 gallons #2 diesel oil and 11,500# sand. Breakdown pressure 1500#. Injection rate 255 gallons per minute. Natural gas after treatment 970 MCF. 7-3-54, Total Depth 5650', interval treated 5342' - 5650'. (Directional hole). Set Baker retainer at 5342 and treated oil house formation with 2520 gallons #2 diesel oil and 2100# sand. Breakdown pressure 1200#. Injection rate 6 barrels per minute. The packer leaked and treatment was stopped immediately and a flush of 2000 gal. was pumped into the well. Gas before & after treatment (P.L. only) 210 MCF.

7-5-54, Total Depth 5650', interval treated 5435-5650. Set Baker retainer at 5435 and treated oil house formation (directional hole) with 4000 gallons #2 diesel oil and 4900# sand. Breakdown pressure 1100#, maximum pressure 1500#. Injection rate 6 barrels per minute. The packer leaked and treatment was immediately stopped. A flush of 2000 gallons was pumped into the well. Gas before treatment (P.L. only) 210 MCF. Gas after treatment (P.L. only) 540 MCF.

7-8-54 Total Depth 5620', interval treated 5410 - 5620. Set Baker retainer at 5460, and treated point lookout formation (straight hole) with 18,000 gallons #2 diesel oil and 13,000# sand. Breakdown pressure 1600#. Injection rate 265 gallons per minute. Flushed with 1800 gallons oil. Gas before treatment 62 MCF (P.L. est.). Gas 7 hours after treatment 3020 MCF.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

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FORMATION RECORD—Continued

10-10-77