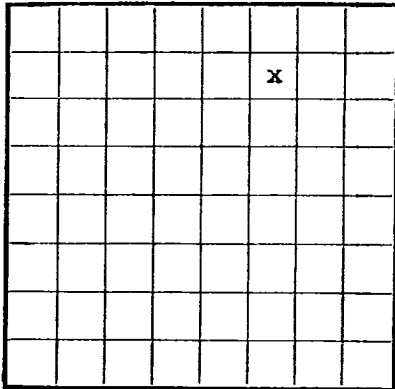


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078097
LEASE OR PERMIT TO PROSPECT _____

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997 - Farmington, New Mexico
Lessor or Tract Heston Field Aztec P.C. Ext. State New Mexico
Well No. 9 (M) Sec. 32 T31N R. 41W Meridian N.M.P.M. County San Juan
Location 990 ft. S. of 11 Line and 1497 ft. W. of 11 Line of Section 32 Elevation 5897
(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 C. F. MurrDate April 10, 1957 Title Petroleum Engineer

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

Commenced drilling 2-3, 1957 Finished drilling 2-20, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2399 to 2538 (G) No. 4, from 4656 to 4830 (G)
No. 2, from 4038 to 4192 (G) No. 5, from _____ to _____
No. 3, from 4192 to 4656 (G) 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 pulled from	Perforated		Purpose
							From—	To—	
10-3/4"	32.75	P.E.	S.W.	161'	Howco				surface
7-5/8"	26.4	2 Rd.	J-55	4559'	Baker				Prod. reg.
5-1/2"	15.5	2 Rd.	J-55	4559'	Baker				Prod. reg.
2"	4.7	2 Rd.	J-55	4689'					Prod. reg.
1-1/4"	2.3	2 Rd.	Grade	4830'					syphon

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	171'	150	circulated		
7-5/8"	4559'	300	two stages (150 sacks each stage)		
5-1/2"	4508-4902	110	single stage		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size Baker EGJ packer at 4533'

SHOOTING RECORD

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

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from Gas Drilled _____ feet to 4559 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____ 3-4 _____, 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 P.C. 1,376,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. P.C. 635 M.V. _____

EMPLOYEES = P.C. 1406 MCF/D and 1635 MCF/D

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
undeveloped	1187	1187	Ojo Alamo ss. White-cr-grn s
1187	1962	775	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
1962	2399	437	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
2399	2538	139	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2538	4038	1500	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4038	4192	154	Cliff House ss. Gry, fine-grn, dense sil ss.
4192	4656	464	Meneatee form. Gry, fine-grn s, carb sh & coal.
4656	4830	174	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
4830	4904	74	Mancos formation. Gry carb sh.



NEW 245 NO 110 70 201

[illegible]

Company name: [redacted]
Location: [redacted]
Address: [redacted]
City: [redacted]
State: [redacted]
Zip: [redacted]
Phone: [redacted]
Fax: [redacted]
E-mail: [redacted]
Web: [redacted]
Other: [redacted]

2-23-57. Temp. B.S. 4685°. Frac. P.C. thru pert. 2400-14 & 2420-42 (2 sq./ft.)
W/31,000 gals. water & 20,000 sand. (Divided w/35 rubber balls) Flush 5000 gals.
I.R. 58.2 (both stgs.) ID - none, max. tr. pr. 1000-1050.
2-27-57. Washed F.T. pert. w/250 gal. MCA. BD 2700. Pumping 2400, Re-pert.
F.T. 4691-63, 4694-4713 & 4736-66 (2 sq.ft.) w/30,660 gal. water & 29,500
sand (thru tbg). Flush 2000 gals. I.R. 7.2 bps/min. ID - none, max. tr. pr.
3100, avg. tr. pr. 2800. Standing pr. 1300. P.C. gaged 667 MCF/D. F.T. gaged
133 MCF/D. Gage after I.C. 667 MCF/D. F.T. 303 MCF/D.

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 "spliced," 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.

HISTORY OF OIL OR GAS WELL

16-43084-2 U. S. GOVERNMENT PRINTING OFFICE

FROM	TO	TOTAL FEET	FORMATION
			RECEIVED JAN 12 1961 OFF COV. COM. DIST. 3

