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U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **078697**
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract Heaton Field Astec P.C. Ext. State New Mexico
Well No. 12 Sec. 33 T. 31N R. 11W Meridian N.M.P.M. County San Juan
Location 1550 ft. Top of N Line and 800 ft. E of W Line of Section 33 Elevation 5873'
(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 D. C. Johnson
Signed _____

Date June 20, 1957 Title Petroleum Engineer

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

Commenced drilling 5-7, 1957 Finished drilling 5-10, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2379 to 2465 (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 ----- 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—	
8-5/8"	24	8 Bd.	J-55	141'	Howco				surface
9-5/8"	26	8 Bd.	J-55	141'	Howco				Free flow
10-7/8"	28	8 Bd.	J-55	141'	Howco				Free flow
11-7/8"	30	8 Bd.	J-55	141'	Howco				Free flow
12-7/8"	32	8 Bd.	J-55	141'	Howco				Free flow
13-7/8"	34	8 Bd.	J-55	141'	Howco				Free flow
14-7/8"	36	8 Bd.	J-55	141'	Howco				Free flow
15-7/8"	38	8 Bd.	J-55	141'	Howco				Free flow
16-7/8"	40	8 Bd.	J-55	141'	Howco				Free flow
17-7/8"	42	8 Bd.	J-55	141'	Howco				Free flow
18-7/8"	44	8 Bd.	J-55	141'	Howco				Free flow
19-7/8"	46	8 Bd.	J-55	141'	Howco				Free flow
20-7/8"	48	8 Bd.	J-55	141'	Howco				Free flow
21-7/8"	50	8 Bd.	J-55	141'	Howco				Free flow
22-7/8"	52	8 Bd.	J-55	141'	Howco				Free flow
23-7/8"	54	8 Bd.	J-55	141'	Howco				Free flow
24-7/8"	56	8 Bd.	J-55	141'	Howco				Free flow
25-7/8"	58	8 Bd.	J-55	141'	Howco				Free flow
26-7/8"	60	8 Bd.	J-55	141'	Howco				Free flow
27-7/8"	62	8 Bd.	J-55	141'	Howco				Free flow
28-7/8"	64	8 Bd.	J-55	141'	Howco				Free flow
29-7/8"	66	8 Bd.	J-55	141'	Howco				Free flow
30-7/8"	68	8 Bd.	J-55	141'	Howco				Free flow
31-7/8"	70	8 Bd.	J-55	141'	Howco				Free flow
32-7/8"	72	8 Bd.	J-55	141'	Howco				Free flow
33-7/8"	74	8 Bd.	J-55	141'	Howco				Free flow
34-7/8"	76	8 Bd.	J-55	141'	Howco				Free flow
35-7/8"	78	8 Bd.	J-55	141'	Howco				Free flow
36-7/8"	80	8 Bd.	J-55	141'	Howco				Free flow
37-7/8"	82	8 Bd.	J-55	141'	Howco				Free flow
38-7/8"	84	8 Bd.	J-55	141'	Howco				Free flow
39-7/8"	86	8 Bd.	J-55	141'	Howco				Free flow
40-7/8"	88	8 Bd.	J-55	141'	Howco				Free flow
41-7/8"	90	8 Bd.	J-55	141'	Howco				Free flow
42-7/8"	92	8 Bd.	J-55	141'	Howco				Free flow
43-7/8"	94	8 Bd.	J-55	141'	Howco				Free flow
44-7/8"	96	8 Bd.	J-55	141'	Howco				Free flow
45-7/8"	98	8 Bd.	J-55	141'	Howco				Free flow
46-7/8"	100	8 Bd.	J-55	141'	Howco				Free flow
47-7/8"	102	8 Bd.	J-55	141'	Howco				Free flow
48-7/8"	104	8 Bd.	J-55	141'	Howco				Free flow
49-7/8"	106	8 Bd.	J-55	141'	Howco				Free flow
50-7/8"	108	8 Bd.	J-55	141'	Howco				Free flow
51-7/8"	110	8 Bd.	J-55	141'	Howco				Free flow
52-7/8"	112	8 Bd.	J-55	141'	Howco				Free flow
53-7/8"	114	8 Bd.	J-55	141'	Howco				Free flow
54-7/8"	116	8 Bd.	J-55	141'	Howco				Free flow

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	151'	100	circulated		
5-1/2"	2478'	150	single stage		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material..... Size

SHOOTING RECORD

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TOOLS USED

Rotary tools were used from 0 feet to 2480 feet, and from _____ feet to _____ feet

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

DATES

-----5-15-----, 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 **2,049,000**----- Gallons gasoline per 1,000 cu. ft. of gas -----

Rock pressure, lbs. per sq. in. 684 **A.O.F. = 2167 MCF/D**

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Undeveloped	950	950	Ojo Alamo ss. White cr-grn s.
950	1988	1038	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
1988	2379	391	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2379	2465	86	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2465	2480	15	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.