

Santa Fe

U. S. LAND OFFICE -----

SERIAL NUMBER 079381

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 San Juan 32-8 Unit Field Blanco State New Mexico
Well No. 25-33 Sec. 33 T. 32N R. 8W Meridian N.M.P.M. County San Juan
Location 1090 ft. N. of N Line and 1600 ft. E. of E Line of Section 33 Elevation 6597
(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. Johnston

Date December 12, 1957

Title Petroleum Engineer

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

Commenced drilling 9-26, 1957 Finished drilling 11-14, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

(Denote gas by G)

No. 1, from 3490 to 3690 (G)	No. 4, from 5838 to 6089 (G)
No. 2, from 5428 to 5528 (G)	No. 5, from to
No. 3, from 5528 to 5838 (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 7/8"	26.4	8 Rd.	J-55	3627'	Baker				Prod. Casing
5 1/2"	15.65	8 Rd.	J-55	2496'	Baker				Prod. Liner
2"	4.7	8 Rd.	J-55	6056'					Prod. Tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	173'	150	Circulated		
7 5/8"	3636'	250	Single Stage		
5 1/2"	3594-6090	300	Single Stage		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material	Size
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SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
			See Well History			

TOOLS USED

Rotary tools were used from 175 feet to 3637 feet, and from 3637 feet to 6095 feet.

Cable tools were used from 0 feet to 175 feet, and from _____ feet to _____ feet.

DATES

11-25, 19 57 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 2,942,000..... Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 1033 A.O.F. = 1032 MCF/D

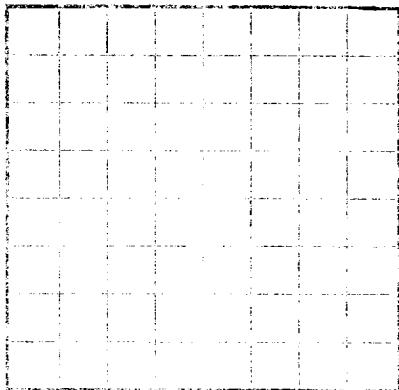
EMPLOYEES

_____, Driller

_____, Driller

FORMATION RECORD

FROM--	TO--	TOTAL FEET	FORMATION
0	2750	2750	Tan to gry cr-grn ss interbedded w/gry sh.
2750	2851	101	Ojo Alamo ss. White cr-grn s.
2851	2975	124	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2975	3490	515	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3490	3600	110	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3600	5428	1828	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
5428	5528	100	Cliff House ss. Gry, fine-grn, dense sil ss.
5528	5838	310	Menefee form. Gry, fine-grn s, carb sh & coal.
5838	6089	251	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
6089	6095	6	Mancos formation. Gry carb sh.



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LOG OF OIL OR GAS WELL

LOCATE WELL ON MAP

Company _____
Location of well _____
Section _____ Township _____ Range _____
The information given hereafter is a summary of the work done on this well and all work done thereon so far as can be determined from all available records.

DATE OF LOG _____

The summary on this page is for the well at _____
The summary on this page is for the well at _____

5 stages.
IR 56.3 B.P.M. Flush 10,000 gal. dropped 4 sets of 20 balls each for
sand. B.D.F. none, max. pr. 2800#, avg. pr. 1500-2000-2800#,
5686-92; 5750-70; 5788-5800; 5816-30; 5836-52 w/61,000 gal. water and 50,000#
Temp. B. R. @ 5860'. Water frac. Upper B. L. perf. Int. 5664-72;
11-19-57
12,000 gal. dropped 2 sets of 20 balls each for 3 stages.
max. pr. 1900#, avg. pr. 1450-1550-1900#. IR. 64.4 B.P.M. Flush
5924-46; 5964-74 w/80,000 gal. water and 60,000# sand. B.D.F. 1500#
11-18-57
Temp. B. R. @ 5903'. Water frac. Middle B. L. 5886-96; 5902-18;
20 balls each for 4 stages.
avg. tr. pr. 1500-2000-2500#, IR. 52.0 B.P.M. Flush none. Dropped 3 sets of
6056-72; w/45,000 gal. water and 30,000# sand. B.D.F. none, max. pr. 4100#
11-17-57
C. 6056'. Water frac. Lower B. L. perf. Int. 6000-6040;

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.

HISTORY OF OIL OR GAS WELL

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FROM -		TO -		TOTAL FEET		FORMATION	