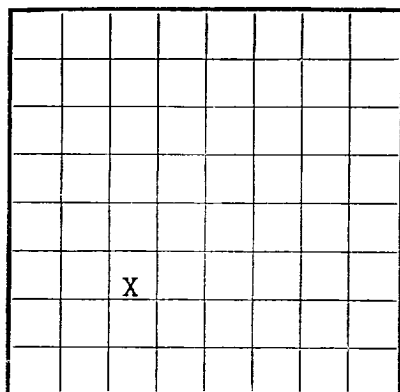


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078922
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 990, Farmington, New Mexico
Lessor or Tract Canyon Largo Unit Field Ballard P. C. State New Mexico
Well No. 104 Sec 3 T. 24N R. 7W Meridian N.M.P.M. County Rio Arriba
Location 1650 ft. [N.] of S Line and 1650 ft. [E.] of W Line of Section 3 Elevation 7035'

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.

Date June 28, 1961 Title Petroleum Engineer

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

Commenced drilling 4-29 1961 Finished drilling 5-5 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2532 to 2594 (G) No. 4, from 2600 to 2664 (G)

No. 2, from _____ to _____ No. 5, from _____ to _____

No. 3, from _____ to _____ 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

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	120	120	Circulated		
2 7/8	2622	185	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
2537-2545	Frac Pictured Cliffs w/	26,160 gal. water	(7# J-2/1000 gal.)	and 30,000#		
2549-2561	sand. Flush	5640 gal. water. I.R.	17.3 BPM. Max. pr.	2425#	BDP 3150#	
	Avg. tr. pr.	2000#. Dropped 15 balls - 2	stages.			

TOOLS USED

Rotary tools were used from 0 feet to 2625 feet, and from _____ feet to _____ feet.

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

DATES

S.I. 5-25 19 61 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 2,518,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 636 A.O.F. = 2923 MCF/D

		EMPLOYEES	
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
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44	44	44	44
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91	91	91	91
92	92	92	92
93	93	93	93
94	94	94	94
95	95	95	95
96	96	96	96
97	97	97	97
98	98	98	98
99	99	99	99
100	100	100	100

EMPLOYEES

_____, Driller

_____, Driller

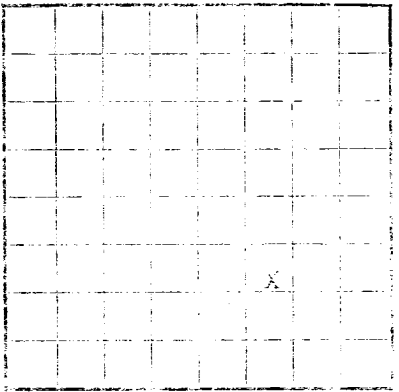
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1879	1879	Tan to gry cr-grn ss interbedded w/gry sh.
1879	2021	142	Ojo Alamo ss. White cr-grn s.
2021	2311	290	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2311	2532	221	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine, gry ss.
2532	2594	62	Pictured Cliffs form. Gry, fine-grn tight, varicolored soft ss.
2594	2625	31	Lewis form. Gry, fine-grn dense sil ss.

U.S. GEOLOGICAL SURVEY
BUREAU OF MINERAL RESOURCES
DEPARTMENT OF THE INTERIOR
WASHINGTON, D.C.

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 200, Farmington, New Mexico
Location of Well, Canyon Largo Unit, Field, Ballard F. G., State, New Mexico
Well No., 104, T. 24N. R. 17W. S. 34E. Sec. 10, T. 24N. R. 17W. S. 34E. Sec. 10
Date, June 28, 1961
The information given herewith is a complete and correct record of the well and all work done thereon
to the extent that it can be determined from all reliable records
Original signed, A. M. Smith
The Petroleum Engineer

OIL OR GAS SANDS OR LENSES	
No. 1, from	2335 to 2344 (G)
No. 2, from	No. 4, from
No. 3, from	No. 5, from
No. 4, from	No. 6, from
IMPORTANT WATER SANDS	
No. 1, from	No. 3, from
No. 2, from	No. 4, from

Casing Record	
Depth	Remarks
0	Surface
10	10' of material used, position, and results of pumping
20	20' of material used, position, and results of pumping
30	30' of material used, position, and results of pumping
40	40' of material used, position, and results of pumping
50	50' of material used, position, and results of pumping
60	60' of material used, position, and results of pumping
70	70' of material used, position, and results of pumping
80	80' of material used, position, and results of pumping
90	90' of material used, position, and results of pumping
100	100' of material used, position, and results of pumping

History of the 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.	

Mudlogging and Cementing Record	
Depth	Remarks
0	Surface
10	10' of material used, position, and results of pumping
20	20' of material used, position, and results of pumping
30	30' of material used, position, and results of pumping
40	40' of material used, position, and results of pumping
50	50' of material used, position, and results of pumping
60	60' of material used, position, and results of pumping
70	70' of material used, position, and results of pumping
80	80' of material used, position, and results of pumping
90	90' of material used, position, and results of pumping
100	100' of material used, position, and results of pumping

Plugs and Adapters	
Depth	Remarks
0	Surface
10	10' of material used, position, and results of pumping
20	20' of material used, position, and results of pumping
30	30' of material used, position, and results of pumping
40	40' of material used, position, and results of pumping
50	50' of material used, position, and results of pumping
60	60' of material used, position, and results of pumping
70	70' of material used, position, and results of pumping
80	80' of material used, position, and results of pumping
90	90' of material used, position, and results of pumping
100	100' of material used, position, and results of pumping

Shooting Record	
Depth	Remarks
0	Surface
10	10' of material used, position, and results of pumping
20	20' of material used, position, and results of pumping
30	30' of material used, position, and results of pumping
40	40' of material used, position, and results of pumping
50	50' of material used, position, and results of pumping
60	60' of material used, position, and results of pumping
70	70' of material used, position, and results of pumping
80	80' of material used, position, and results of pumping
90	90' of material used, position, and results of pumping
100	100' of material used, position, and results of pumping

Tools Used	
Depth	Remarks
0	Surface
10	10' of material used, position, and results of pumping
20	20' of material used, position, and results of pumping
30	30' of material used, position, and results of pumping
40	40' of material used, position, and results of pumping
50	50' of material used, position, and results of pumping
60	60' of material used, position, and results of pumping
70	70' of material used, position, and results of pumping
80	80' of material used, position, and results of pumping
90	90' of material used, position, and results of pumping
100	100' of material used, position, and results of pumping

Employees	
Depth	Remarks
0	Surface
10	10' of material used, position, and results of pumping
20	20' of material used, position, and results of pumping
30	30' of material used, position, and results of pumping
40	40' of material used, position, and results of pumping
50	50' of material used, position, and results of pumping
60	60' of material used, position, and results of pumping
70	70' of material used, position, and results of pumping
80	80' of material used, position, and results of pumping
90	90' of material used, position, and results of pumping
100	100' of material used, position, and results of pumping

Formation Record	
Depth	Remarks
0	Surface
10	10' of material used, position, and results of pumping
20	20' of material used, position, and results of pumping
30	30' of material used, position, and results of pumping
40	40' of material used, position, and results of pumping
50	50' of material used, position, and results of pumping
60	60' of material used, position, and results of pumping
70	70' of material used, position, and results of pumping
80	80' of material used, position, and results of pumping
90	90' of material used, position, and results of pumping
100	100' of material used, position, and results of pumping