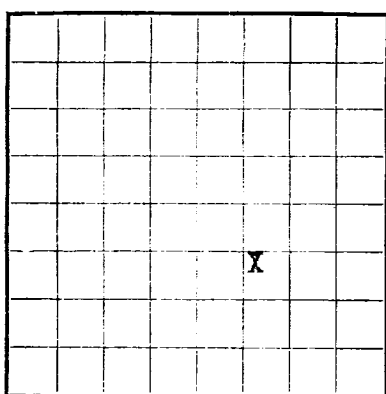




LOCATE WELL CORRECTLY

Santa Fe
U. S. LAND OFFICE 078171
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECTUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Co. Address Farmington, New Mexico
Lessor or Tract Murphy # 1 Field Aztec Pool State New Mexico
Well No. 1 Sec. 24 T. 30N R. 11W Meridian N. M. P. M. County San Juan
Location 1650 of S Line and 1650 of E Line of Section 24 Elevation 6200
(Derriek 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 [Signature]
Date February 18, 1953 Title Petroleum Engineer

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

Commenced drilling January 22, 19 53 Finished drilling February 1, 19 53

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2647 to 2719 (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 570 to 595 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—	
9 5/8	25.4	8	S. Weld	122	HOWCO				Surface
6 5/8	17.02	8	Line Pipe	2628	HOWCO				Proc.
1"	1.68	8	CP Steel	100	OR	OUT OF CASE			Tab.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8	133	100	Circulated		
6 5/8	2628	150	Sing. 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
Quart.	Regular	S. N. G.	213 qts.	1-31-53	2629-2710	2710'

TOOLS USED

Rotary tools were used from 0 feet to 2638 feet, and from _____ feet to _____ feet
Cable tools were used from 2638 feet to 2719 feet, and from _____ feet to _____ feet

DATES

February 2, 19 53 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 1,085 MCF Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 676

EMPLOYEES

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

FORMATION RECORD

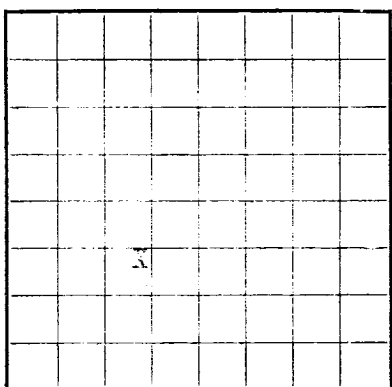
FROM—	TO—	TOTAL FEET	FORMATION
0	710	710	Tan cr-grn ss w/thin sh breaks.
710	933	223	Vari sh w/thin ss breaks.
933	1290	357	Tan to gry cr-grn ss interbedded w/gry sh.
1290	1400	110	Ojo Alamo ss. Wh cr-grn s. Top Ojo Alamo 1290.
1400	2253	853	Kirtland formation. Gry sh interbedded w/tight gry fine-grn ss. Top Kirtland 1400.
2253	2647	394	Fruitland formation. Gry carb sh, scattered coals and gry, tight, fine-grn ss. Top Fruitland 2253.
2647	2719 T.D.	72	Pictured Cliffs formation. Gry, fine-grn, tight, varicolored soft ss. Top Pictured Cliffs 2647.

Serial Number

U.S. Land Office

Please or Permit to Prospect

**DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES**

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Co. Address Permanently, New Mexico
 Lessor or Tract Tract No. 1 Field New Mexico State New Mexico
 Well No. 1 Sec. 36 T. 30N R. 11W Meridian N. M. P. M. County San Juan
 Location 1650 of 1650 Line and 1650 of 1650 Line of 1650 Section 24 Elevation 6200
 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 _____ Title Geological Engineer Date February 18, 1953

The summary on this page is for the condition of the well at above date.
 Commenced drilling _____ Finished drilling _____ 19 53
 _____ 19 53

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____ 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. 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—
8 1/8	22.4	8	Waco	122	Waco			
8 1/8	22.4	8	Waco	122	Waco			

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 testing.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 1/8	133	100	Waco		
8 1/8	133	100	Waco		

PLUGS AND ADAPTERS

Heavy plug—Material _____ Length _____ Depth set _____
 Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
2 1/2	Remington		100	1-21-53	100	100

TOOLS USED

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

DATES

Put to producing _____ 19 53
 The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ %
 emulsion; _____ % water; and _____ % sediment.
 If gas well, cu. ft. per 24 hours _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Driller _____
 Driller _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	710	710	as shown as within 25 breaks.
710	910	200	as shown as within 25 breaks.
910	1100	200	as shown as within 25 breaks.
1100	1300	200	as shown as within 25 breaks.
1300	1500	200	as shown as within 25 breaks.
1500	1700	200	as shown as within 25 breaks.
1700	1900	200	as shown as within 25 breaks.
1900	2100	200	as shown as within 25 breaks.
2100	2300	200	as shown as within 25 breaks.
2300	2500	200	as shown as within 25 breaks.
2500	2700	200	as shown as within 25 breaks.
2700	2900	200	as shown as within 25 breaks.
2900	3100	200	as shown as within 25 breaks.
3100	3300	200	as shown as within 25 breaks.
3300	3500	200	as shown as within 25 breaks.
3500	3700	200	as shown as within 25 breaks.
3700	3900	200	as shown as within 25 breaks.
3900	4100	200	as shown as within 25 breaks.
4100	4300	200	as shown as within 25 breaks.
4300	4500	200	as shown as within 25 breaks.
4500	4700	200	as shown as within 25 breaks.
4700	4900	200	as shown as within 25 breaks.
4900	5100	200	as shown as within 25 breaks.
5100	5300	200	as shown as within 25 breaks.
5300	5500	200	as shown as within 25 breaks.
5500	5700	200	as shown as within 25 breaks.
5700	5900	200	as shown as within 25 breaks.
5900	6100	200	as shown as within 25 breaks.
6100	6300	200	as shown as within 25 breaks.
6300	6500	200	as shown as within 25 breaks.
6500	6700	200	as shown as within 25 breaks.
6700	6900	200	as shown as within 25 breaks.
6900	7100	200	as shown as within 25 breaks.
7100	7300	200	as shown as within 25 breaks.
7300	7500	200	as shown as within 25 breaks.
7500	7700	200	as shown as within 25 breaks.
7700	7900	200	as shown as within 25 breaks.
7900	8100	200	as shown as within 25 breaks.
8100	8300	200	as shown as within 25 breaks.
8300	8500	200	as shown as within 25 breaks.
8500	8700	200	as shown as within 25 breaks.
8700	8900	200	as shown as within 25 breaks.
8900	9100	200	as shown as within 25 breaks.
9100	9300	200	as shown as within 25 breaks.
9300	9500	200	as shown as within 25 breaks.
9500	9700	200	as shown as within 25 breaks.
9700	9900	200	as shown as within 25 breaks.
9900	10100	200	as shown as within 25 breaks.
10100	10300	200	as shown as within 25 breaks.
10300	10500	200	as shown as within 25 breaks.
10500	10700	200	as shown as within 25 breaks.
10700	10900	200	as shown as within 25 breaks.
10900	11100	200	as shown as within 25 breaks.
11100	11300	200	as shown as within 25 breaks.
11300	11500	200	as shown as within 25 breaks.
11500	11700	200	as shown as within 25 breaks.
11700	11900	200	as shown as within 25 breaks.
11900	12100	200	as shown as within 25 breaks.
12100	12300	200	as shown as within 25 breaks.
12300	12500	200	as shown as within 25 breaks.
12500	12700	200	as shown as within 25 breaks.
12700	12900	200	as shown as within 25 breaks.
12900	13100	200	as shown as within 25 breaks.
13100	13300	200	as shown as within 25 breaks.
13300	13500	200	as shown as within 25 breaks.
13500	13700	200	as shown as within 25 breaks.
13700	13900	200	as shown as within 25 breaks.
13900	14100	200	as shown as within 25 breaks.
14100	14300	200	as shown as within 25 breaks.
14300	14500	200	as shown as within 25 breaks.
14500	14700	200	as shown as within 25 breaks.
14700	14900	200	as shown as within 25 breaks.
14900	15100	200	as shown as within 25 breaks.
15100	15300	200	as shown as within 25 breaks.
15300	15500	200	as shown as within 25 breaks.
15500	15700	200	as shown as within 25 breaks.
15700	15900	200	as shown as within 25 breaks.
15900	16100	200	as shown as within 25 breaks.
16100	16300	200	as shown as within 25 breaks.
16300	16500	200	as shown as within 25 breaks.
16500	16700	200	as shown as within 25 breaks.
16700	16900	200	as shown as within 25 breaks.
16900	17100	200	as shown as within 25 breaks.
17100	17300	200	as shown as within 25 breaks.
17300	17500	200	as shown as within 25 breaks.
17500	17700	200	as shown as within 25 breaks.
17700	17900	200	as shown as within 25 breaks.
17900	18100	200	as shown as within 25 breaks.
18100	18300	200	as shown as within 25 breaks.
18300	18500	200	as shown as within 25 breaks.
18500	18700	200	as shown as within 25 breaks.
18700	18900	200	as shown as within 25 breaks.
18900	19100	200	as shown as within 25 breaks.
19100	19300	200	as shown as within 25 breaks.
19300	19500	200	as shown as within 25 breaks.
19500	19700	200	as shown as within 25 breaks.
19700	19900	200	as shown as within 25 breaks.
19900	20100	200	as shown as within 25 breaks.
20100	20300	200	as shown as within 25 breaks.
20300	20500	200	as shown as within 25 breaks.
20500	20700	200	as shown as within 25 breaks.
20700	20900	200	as shown as within 25 breaks.
20900	21100	200	as shown as within 25 breaks.
21100	21300	200	as shown as within 25 breaks.
21300	21500	200	as shown as within 25 breaks.
21500	21700	200	as shown as within 25 breaks.
21700	21900	200	as shown as within 25 breaks.
21900	22100	200	as shown as within 25 breaks.
22100	22300	200	as shown as within 25 breaks.
22300	22500	200	as shown as within 25 breaks.
22500	22700	200	as shown as within 25 breaks.
22700	22900	200	as shown as within 25 breaks.
22900	23100	200	as shown as within 25 breaks.
23100	23300	200	as shown as within 25 breaks.
23300	23500	200	as shown as within 25 breaks.
23500	23700	200	as shown as within 25 breaks.
23700	23900	200	as shown as within 25 breaks.
23900	24100	200	as shown as within 25 breaks.
24100	24300	200	as shown as within 25 breaks.
24300	24500	200	as shown as within 25 breaks.
24500	24700	200	as shown as within 25 breaks.
24700	24900	200	as shown as within 25 breaks.
24900	25100	200	as shown as within 25 breaks.
25100	25300	200	as shown as within 25 breaks.
25300	25500	200	as shown as within 25 breaks.
25500	25700	200	as shown as within 25 breaks.
25700	25900	200	as shown as within 25 breaks.
25900	26100	200	as shown as within 25 breaks.
26100	26300	200	as shown as within 25 breaks.
26300	26500	200	as shown as within 25 breaks.
26500	26700	200	as shown as within 25 breaks.
26700	26900	200	as shown as within 25 breaks.
26900	27100	200	as shown as within 25 breaks.
27100	27300	200	as shown as within 25 breaks.
27300	27500	200	as shown as within 25 breaks.
27500	27700	200	as shown as within 25 breaks.
27700	27900	200	as shown as within 25 breaks.
27900	28100	200	as shown as within 25 breaks.
28100	28300	200	as shown as within 25 breaks.
28300	28500	200	as shown as within 25 breaks.
28500	28700	200	as shown as within 25 breaks.
28700	28900	200	as shown as within 25 breaks.
28900	29100	200	as shown as within 25 breaks.
29100	29300	200	as shown as within 25 breaks.
29300	29500	200	as shown as within 25 breaks.
29500	29700	200	as shown as within 25 breaks.
29700	29900	200	as shown as within 25 breaks.
29900	30100	200	as shown as within 25 breaks.
30100	30300	200	as shown as within 25 breaks.
30300	30500	200	as shown as within 25 breaks.
30500	30700	200	as shown as within 25 breaks.
30700	30900	200	as shown as within 25 breaks.
30900	31100	200	as shown as within 25 breaks.
31100	31300	200	as shown as within 25 breaks.
31300	31500	200	as shown as within 25 breaks.
31500	31700	200	as shown as within 25 breaks.
31700	31900	200	as shown as within 25 breaks.
31900	32100	200	as shown as within 25 breaks.
32100	32300	200	as shown as within 25 breaks.
32300	32500	200	as shown as within 25 breaks.
32500	32700	200	as shown as within 25 breaks.
32700	32900	200	as shown as within 25 breaks.
32900	33100	200	as shown as within 25 breaks.
33100	33300	200	as shown as within 25 breaks.
33300	33500	200	as shown as within 25 breaks.
33500	33700	200	as shown as within 25 breaks.
33700	33900	200	as shown as within 25 breaks.
33900	34100	200	as shown as within 25 breaks.
34100	34300	200	as shown as within 25 breaks.
34300	34500	200	as shown as within 25 breaks.
34500	34700	200	as shown as within 25 breaks.
34700	34900	200	as shown as within 25 breaks.
34900	35100	200	as shown as within 25 breaks.
35100	35300	200	as shown as within 25 breaks.
35300	35500	200	as shown as within 25 breaks.
35500	35700	200	as shown as within 25 breaks.
35700	35900	200	as shown as within 25 breaks.
35900	36100	200	as shown as within 25 breaks.
36100	36300	200	as shown as within 25 breaks.
36300	36500	200	as shown as within 25 breaks.
36500	36700	200	as shown as within 25 breaks.
36700	36900	200	as shown as within 25 breaks.
36900	37100	200	as shown as within 25 breaks.
37100	37300	200	as shown as within 25 breaks.
37300	37500	200	as shown as within 25 breaks.
37500	37700	200	as shown as within 25 breaks.
37700	37900	200	as shown as within 25 breaks.
37900	38100	200	as shown as within 25 breaks.
38100	38300	200	as shown as within 25 breaks.
38300	38500	200	as shown as within 25 breaks.
38500	38700	200	as shown as within 25 breaks.
38700	38900	200	as shown as within 25 breaks.
38900	39100	200	as shown as within 25 breaks.
39100	39300	200	as shown as within 25 breaks.
39300	39500	200	as shown as within 25 breaks.
39500	39700	200	as shown as within 25 breaks.
39700	39900	200	as shown as within 25 breaks.
39900	40100	200	as shown as within 25 breaks.
40100	40300	200	as shown as within 25 breaks.
40300	40500	200	as shown as within 25 breaks.
40500	40700	200	as shown as within 25 breaks.
40700	40900	200	as shown as within 25 breaks.
40900	41100	200	as shown as within 25 breaks.
41100	41300	200	as shown as within 25 breaks.
41300	41500	200	as shown as within 25 breaks.
41500	41700	200	as shown as within 25 breaks.
41700	41900	200	as shown as within 25 breaks.
41900	42100	200	as shown as within 25 breaks.
42100	42300	200	as shown as within 25 breaks.
42300	42500	200	as shown as within 25 breaks.
42500	42700	200	as shown as within 25 breaks.
42700	42900	200	as shown as within 25 breaks.