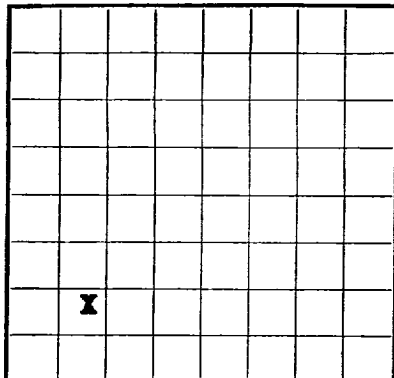


U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **078385**
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

SEP 14 1961
OIL CON. COM.
DIST. 3UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **El Paso Natural Gas Company** Address **Box 990, Farmington, New Mexico**
Lessor or Tract **Thompson** Field **Blanco Mesa Verde** State **New Mexico**
Well No. **2** Sec. **34** T. **30N** R. **8W** Meridian **N.M.P.M.** County **San Juan**
Location **990** ft. **N** of **8** Line and **990** ft. **E** of **W** Line of **Section 34** Elevation **6342**
(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 **R. G. MILLER**Date **September 12, 1961**Title **Petroleum Engineer**

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

Commenced drilling **6-8-**, 19 **53** Finished drilling **6-26-**, 19 **53**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **4797** to **5372 (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. 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"	24.1	8 rd	1-55	5362	1-55	5362			Prod
7"	15.5	8 rd	1-55	5362	1-55	5362			Prod
5 1/2"	11.30	8 rd	1-55	5362	1-55	5362			Prod
4"		8 rd	1-55	5362	1-55	5362			Prod
1 1/4"		8 rd	1-55	5362	1-55	5362			Prod

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8"	173	185	circulate		
7"	4670	300	single stage		
5 1/2"	4586	280	single		
4"	4519-5391	100	single		

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
5262-68; 5284-96; 5318-24;	Free M.V. w/7 1/2	800 gal water,	60,000# sand.	IR 35.8 RPM.	MP 3500#	
5351-57; 5365-72;	Free w/4 1/2	430 gal water,	40,000# sand.	FI w/6000 gal.	IR 32.7.	MP
4717-4811; 4847-4861;	Free w/4 1/2	430 gal water,	40,000# sand.	FI w/6000 gal.	IR 32.7.	MP

TOOLS USED

Rotary tools were used from **0** feet to **4670** feet, and from **4670 (0mm)** feet to **5393** feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

Tubing **7-31- 61**S.I. August **17,** 19 **61**

DATES

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 **4,019,000**

Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. **936**A.O.F. **5201 MCF/D**

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1975	1975	Not logged.
1975	2147	172	Ojo Alamo SS. White cr-grn s.
2147	2795	648	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2795	3067	272	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3067	3131	64	Pictured Cliffs forms Gry, fine-grn, tight, varicolored soft ss.
3131	4742	1611	Lewis form. Gry, fine-grn, dense silt ss.
4742	4874	132	Cliff House ss. Gry, fine-grn, dense silt ss.
4874	5280	406	Manefee form. Gry, fine-grn s, carb sh & coal.
5280	5373	93	Point Lookout form. Gry, very fine silt ss w/frequent sh breaks.
5373	5393	20	Mancos form. Gry carb sh.

94 SJ MBZ

U. S. LAND OFFICE

Serial Number

PLEASE OR ADMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

A 10x10 grid with an 'X' in the 8th column and 3rd row from the bottom.

Date September 12, 1931 Title Petroleum Engineer
 Signed _____ Operator Stuart R. G. Miller
 The information given herewith is a complete and correct record of the well and all work done thereon
 as far as can be determined from all available records.
 Location 200 ft. of 2 line and 200 ft. of 1 line of W line of Section 34 Elevation 6345
 Well No. 2 Sec. 34 T. 30N R. 3W Meridian N.M.P.M. County San Juan State New Mexico
 Lessor or Tract Thompson Field Blanco Mesa Verde Address Box 995, Farmington, New Mexico
 Company El Paso Natural Gas Company

Commenced drilling 6-5-53 Finished drilling 8-25-53 10-23

OIL OR GAS SANDS OR ZONES

(Dereate das py G)

No. 1, from	to	1974	(b) YES	No. 4, from	to
No. 2, from	to			No. 5, from	to
No. 3, from	to			No. 6, from	to

IMPORTANT WATER SANDS

----- to ----- from, S. o. N. ----- to ----- from, S. o. N.
 ----- to ----- from, i. o. N. ----- to ----- from, S. o. N.

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	17 ft. set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
2 7/8"	118	35	circulate		
2 7/8"	110	800	single stage		
2 7/8"	100	800	single stage		
2 7/8"	100	800	single stage		

PLUGS AND ADAPTERS

[illegible]

SHOOTING RECORD

Size	Shells used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
5252-08 5254-06	52318-54	Trac M.V. 1/4	600 gal water	30,000	30,000	IR 35.8 RPM. MP 3500
5257-51	52365-52	Trac 800	3000	3000	30,000	IR 35.8 RPM. MP 3500
5257-51	52365-52	Trac M.V. 1/4	600 gal water	30,000	30,000	IR 35.8 RPM. MP 3500
5257-51	52365-52	Trac M.V. 1/4	600 gal water	30,000	30,000	IR 35.8 RPM. MP 3500

0574

Cable tools were used from	to test	monl bus test	test to

DATES

The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ %	Put to producing _____, 19____	S.I. August 17, _____
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[illegible]

Rock pressure, lbs. per sq. in.	930	A.O.F. 5200 HCB/D
It gas well, 68.1 ft. per 24 hours	930	930
Oil gas well, 68.1 ft. per 24 hours	930	930

EMPLOYEES

Driller	_____	Driller	_____
Driller	_____	Driller	_____

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
2873	2880	80	Mangos form. Gty. carb sh.
			w/frequent an. breasts.
2880	2873	80	Point Lookout form. Gty. very fine sil ss
4874	2880	106	Menatee form. Gty. fine-grn s, carb sh & coal.
4875	4874	102	Cliff House ss. Gty. fine-grn, dense sil ss.
3150	4875	161	Levia form. Gty. fine-grn, dense sil ss.
3071	3150	80	varicolored soft ss.
			Bedded Clinia form. Gty. fine-grn, tight,
			coals and gty. light, fine-grn ss.
2195	3067	210	Friendland form. Gty. carb sh, scattered coals,
			Gty. fine-grn ss.
2197	2195	648	Friendland form. Gty. an interbedded w/light
			Gty. Alamo ss. White on-grn s.
			Not logged.

FORMATION RECORD—Continued