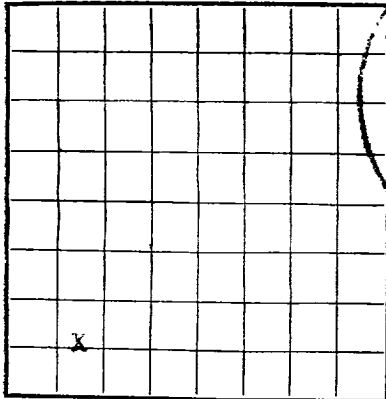




LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **080472-A**
LEASE OR PERMIT TO PROSPECTUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **El Paso Natural Gas Company** Address **Box 997, Farmington, New Mexico**
Lessor or Tract **Tonkin-Federal** Field **So. Blanco P.C.** State **New Mexico**
Well No. **2** Sec. **17** T. **24N** R. **3W** Meridian **N.M.P.M.** County **Rio Arriba**
Location **800** ft. **N.** of **S.** Line and **900** ft. **E.** of **W.** Line of **Section 17** Elevation **6942**
(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.

Signed **Original Signed By: D.H. Oheim**Date **October 21, 1959**Title **Petroleum Engineer**

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

Commenced drilling **8-12**, 19**59** Finished drilling **8-16**, 19**59**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3037** to **3099 (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—	
1 1/4	2.4	10	Grade "A"	3094					Siphon

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	124	105	Circulated		
5 1/2	3142	70	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
		See Well History				

TOOLS USED

Rotary tools were used from **0** feet to **3146** feet, and from _____ feet to _____ feet

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

DATES

Put to producing **9-25**, 19**59**

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 **758,000** Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. **976** **A.O.F. = 764 MCF/D**

EMPLOYEES

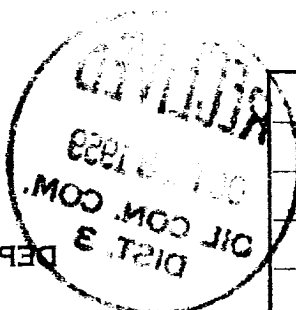
_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2626	2626	Tan to gry cr-grn ss interbedded w/gry sh.
2626	2735	109	Ojo Alamo ss. White cr-grn s.
2735	2925	190	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2925	3037	112	Fruitland form. Gry carb sh, scattered coals, coals and gry tight, fine-grn ss.
3037	3099	62	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3099	3146	47	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

[illegible]

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

so far as can be determined from all available records.
Signed _____
Witness _____
The information given herewith is a complete and correct record of the well and all work done thereon.
Location _____ of _____ of _____ of _____
Well No. _____ Sec. _____ T. _____ R. _____ Meridian _____
Lessor or Tract _____
Company _____
Address _____
State _____
County _____
Elevation _____

Commenced drilling 4-15-53. Finished drilling 10-23-53. The summary on this page is for the condition of the well at above date.

October 21, 1953

Title: Water Engineering

OIL OR GAS SANDS OR ZONES

(D) Note das by G

No. 1, from	to	354	No. 4, from	to
No. 2, from	to		No. 5, from	to
No. 3, from	to		No. 6, from	to

9-28-59 C.O.F.D. 3110. Water tank removed cattle port. Inv. 3046-66;
3088-98 (2 pt/ea.) - w/33,333 gal. water + 35,000 gal. sludge
w/3300 gal. water. I.M. 27 + 4 H.M. Max. pr. 3500', min 1000', tr. pr.
1000-1400-2400'. Dropped 2 sets/10 wells for 3 stages. Spotted 200
gal. MCA before perforated w/ calcium chloride in frac. water.

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, work done 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 "spudded" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and diameter of plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or balling.

MUDGING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
2 1/2"	15'	10	Drill pipe		
1 1/2"	30'	10	Drill pipe		

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

test	test to	test and from	test to	test from
test	test to	test and from	test to	test from

DATE

The production for the first 24 hours was	7-25	10-25	Put to producing	19
_____ barrels of fluid of which				
% was oil; _____ %				

.....	% water; and	% sediment.
.....	Gravity, ° Bé.	

If gas well, cur. ft. per 24 hours	
Gallons gasoline per 1,000 cu. ft. of gas	

Rock pressure, lbs. per sq. in.

EMPLOYEES

Driller		Driller	
Driller		Driller	

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
3025	3146	121	to shale as described. Lewis formation. Gray to white dense and slightly varicolored soft ss.
3031	3009	22	lightened bluish form. Gray, blue-gray, light, beige and gray tight, fine-gr. ss.
3222	3037	185	Brittish form. Gray carb. sh. scattered coals, gray fine-gr. ss.
3132	3222	100	Brittish form. Gray sh. interbedded w/ light gray fine-gr. ss.
3026	3132	106	Gray bluish ss. White or-gray s.
0	3026	1205	from to gray or-gray sh. interbedded w/ gray sh.

FORMATION RECORD—Continued