

U. S. LAND OFFICE **Santa Fe**SERIAL NUMBER **078913**

LEASE OR PERMIT TO PROSPECT

UNITED STATES

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED

U. S. GEOLOGICAL SURVEY
ALBUQUERQUE, NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **El Paso Natural Gas Company** Address **Box 997, Farmington, New Mexico**
Lessor or Tract **Lindrieth Unit** Field **Blanco P. C.** State **New Mexico**
Well No. **29** Sec. **21** T. **24N** R. **3W** Meridian **N.M.P.M.** County **Rio Arriba**
Location **1650** ft. **XXXX** of **N.** Line and **800** ft. **XXXX** of **W.** Line of **Section 21** Elevation **7014'**
(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 **C. D. COX**
Signed _____

Date **May 21, 1959**Title **Petroleum Engineer**

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

Commenced drilling **4-4**, 19 **59** Finished drilling **4-10**, 19 **59**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3045** to **3154 (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 _____

Size casing	Weight per foot	Threads per inch	Grade	Amount	Depth of pipe	Cut and pulled from	From	To	Purpose
8 5/8"	32	8 Rd.	J-55	132'	Howco				Surface casing
5 1/2"									
1 1/4"	2.4	8 Rd.	Grade "A"	3134'					Striplin

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	142'	60	Circulated		
5 1/2"	3181'	72 62	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 **3187** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____ **5-2**, 19 **59** 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 **1,651,000** Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. **963** A.O.F. = **1687 MCF/D**

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2640	2640	Tan to gry cr-grn ss interbedded w/gry sh.
2640	2801	161	Ojo Alamo ss. White cr-grn s.
2801	2951	150	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2951	3045	94	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3045	3154	109	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3154	3187	33	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.

FORMATION RECORD—Continued

FROM	TO	TOTAL FEET	FORMATION
372ft	379ft	33	to 372ft. 20 ft. of light brownish gray to light gray fine-grained sand ss. interbedded with thin beds of silty clay ss. interbedded with thin beds of silty clay ss. to 379ft. 20 ft. of light brownish gray to light gray fine-grained sand ss. interbedded with thin beds of silty clay ss. interbedded with thin beds of silty clay ss.
379ft	382ft	700	to 379ft. 20 ft. of light brownish gray to light gray fine-grained sand ss. interbedded with thin beds of silty clay ss. interbedded with thin beds of silty clay ss.
382ft	384ft	2ft	to 382ft. 20 ft. of light brownish gray to light gray fine-grained sand ss. interbedded with thin beds of silty clay ss. interbedded with thin beds of silty clay ss.
384ft	387ft	120	to 384ft. 20 ft. of light brownish gray to light gray fine-grained sand ss. interbedded with thin beds of silty clay ss. interbedded with thin beds of silty clay ss.
387ft	388ft	1ft	to 387ft. 20 ft. of light brownish gray to light gray fine-grained sand ss. interbedded with thin beds of silty clay ss. interbedded with thin beds of silty clay ss.
388ft	390ft	500	to 388ft. 20 ft. of light brownish gray to light gray fine-grained sand ss. interbedded with thin beds of silty clay ss. interbedded with thin beds of silty clay ss.

		DLJHGL		DLJHGL
		DLJHGL		DLJHGL

Rock pressure' lbs. per sq. in.	262	EMBROIDERERS	1000' = 1000' WCE 10
If gas well' cut. fr. per sq. ft. of gas	1000		
emulsion: ---	no water; and	no sediment.	Caustic gasoline per 1000 cu. ft. of gas
The production for the first	sq. ft. points was		slightly' 0.6'
2-5	10-22		panels of fluid of which
			no was on: no
			But to producing
			10

		DATES			
Carbide tools were used from	-----	1966 to	-----	1966' and from	----- 1966 to ----- 1966'
Rotary tools were used from	-----	1966 to	3rd	1966' and from	----- 1966 to ----- 1966'

[illegible]

SHOOTING RECORD	
Adapters—Material	Size
Heating plug—Material	Length Depth

[illegible]

SHIPPING AND CEMENTING RECORD

DATE: 1967-08-23

HISTORY OF OIL OR GAS WELL _____

8 216	35	8 BC	T-22	T35	BOMCO	Plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.
4-25-59	Bottom Mud	318	C.O.M.D.	3151	Water frac. Plugged 4 Cliffs Terr. Int. (2 sh/ft.)	ONLY 35%
					3104-3114; 3122-30; 3137-46 w/32,560 gallons water and 35,000# sand.	
					BD pr. 700#, Max. pr. 3000#, MCA 1100-1400-1600-2100#. I.R. 46	
10' 5' flow					BFM. Finish 3200 gallons. Dropped 4 sets of 10 balls. 2% CaCl in	
10' 1' flow					frac. water - 200 gallons MCA ahead of frac.	

REVERSE INDEXED EVIDENCE			
No. 3' from	to	No. 9' from	to
No. 3' from	to	No. 2' from	to
No. 1' from	to	No. 4' from	to

Completed drawing _____, 18-19 Entered drawing _____, 18-19

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

DATE: 10/1/77

THE INFORMATION GIVEN HEREIN IS A CONFIDENTIAL AND SENSITIVE RECORD

position held by [redacted] of [redacted] during and after his tenure of office as [redacted] of [redacted].

[illegible]

Personnel of JRGF - **UNIDENTIFIED** - **W.W.E.W.** - **CONFIDENTIAL** - **W.W.E.W.**

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ГОС ОЕ ОИГ ОВ САЗ МЕЛЛ

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

LEAVE OF ABSENCE TO PROSECUTE

REFUG NUMBER 010252

U. S. FISH COMMISSION

7BBLOABJ 67BPEB 15-11-00
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