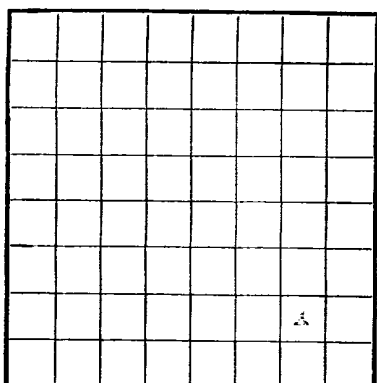




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe

SERIAL NUMBER 000385

LEASE OR PERMIT TO PROSPECT

UNITED 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 Rincon Unit Field So. Blanco State New Mexico
Well No. 77 Sec 34 T. 27N R. 1W Meridian MTM County Rio Arriba
Location 990 ft. N. of S Line and 990 ft. W. of E Line of Section 34 Elevation 6631
(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 E. S. OBERLY

Date February 1, 1957Title Petroleum Engineer

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

Commenced drilling 12-3-56, 19____ Finished drilling 12-8-56, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2897 to 2975 (G) No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SAND

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"	25.4	1.315	S.W.	121'	Howco				Surface
5 1/2"	19.5	1.315	S.W.	2897'	Howco				2897'
1 1/8"	2.3	1.315	S.W.	2933'	Howco				2933'

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8"	135'	100	Circulated		
5 1/2"	3000'	150	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 _____ feet to 3002 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

12-29-56, 19____ 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 1,611,000 Gallons gasoline per 1,000 cu. ft. of gas 4.0

Rock pressure, lbs. per sq. in. 418

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2055	2055	Tan to gry cr-grn ss interbedded w/gry sh.
2055	2276	223	Ojo Alamo ss. White cr-grn sy.
2276	2710	432	Kirtland forma. Gry sh interbedded w/tight gry fine-grn ss.
2710	2897	187	Fruitland forma. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
2897	2975	78	Pictured Cliffs forma. Gry, fine-grn, tight, varicolored soft ss.
2975	3002	27	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.

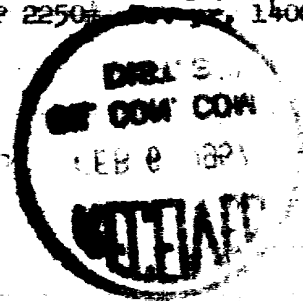
(OVER)

16-43094-4

[illegible]

14-0004-2 U.S. CUSTOMERS CONTAINING...

12-28-56 C.O.T.D. 2960'. Perf. with 4 jet/ft. Int. 2898-2922, 2930-2946.
Water forced. Disturbed Cliffs with 32,900 gallons water, 40,000 10/20 sand
Flush with 4000 gallons water. I.R. 55.6 BPM. BDP 2250% max. pr. 1400%,
max. pr. 1650%.



Date _____

Signature _____

on this day was received from all available records.

The information given hereafter is a complete and correct record of the men and all work done thereon

Location _____ of _____ and _____ of _____

_____ of _____

Person or Place _____

Comments _____

FOCALTE METT CORRECTORA

[illegible]

ГОС ОЕ ОИ ОВ САЗ МЕЛТ

GEOLOGICAL EQUATION

DEVELOPMENT OF THE TELEVISION
OWNERS CIRCLES

[illegible]