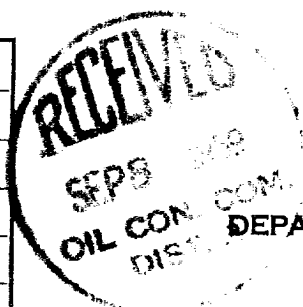


A 10x10 grid with a small 'X' mark in the second column from the left and the fourth row from the top.



U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078860
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract Canyon Largo Unit Field Ballard P. C. State New Mexico
Well No. 78 Sec. 15 T. 25N R. 7W Meridian N.M.P.M. County Rio Arriba
Location 1750 ft. N of N Line and 990 ft. E of W Line of Section 15 Elevation 6324

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 R.L. NICKELL, JR.

Date September 3, 1959 Title Petroleum Engineer

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

Commenced drilling ----- 5-21 -----, 1959 Finished drilling ----- 5-24 -----, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2580 to 2698 (c) 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 5/8	38	8 Ra.	J-55	213	Howco				Surface
9 1/4	15.9	8 Ra.	J-35	2710	Baker				Crust, Csg.
1 1/4	2.4	10 Ra.	Grade "A"	2672					Seal

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	123	90	Circulated		
5 1/2	2720	66	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 _____ feet, and from _____ feet to _____ feet.

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

DATES

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

Rock pressure, lbs. per sq. in. 587

A.O. EMPLOYEES

_____, Driller

_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1905	1905	Tan to gry cr-grn ss interbedded w/gry sh.
1905	2022	117	Ojo Alamo ss. White cr-grn s.
2022	2363	341	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2363	2580	217	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2580	2698	118	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2698	2721	23	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.

12-31 1990
12-31 1990

LEASE OR PERMIT TO PROSPECT
SPECIAL NUMBER
U. S. LAND OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

[illegible][illegible]

(Please use only 10)

OIL OR GAS SANDS OR ZONES

to	from	No. 1	to	from	No. 1
to	from	No. 2	to	from	No. 2
to	from	No. 3	to	from	No. 3

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 bailing.

Name	Amount	Kind of plug	Cut and bailed from	From	To
C.O.F.D. 270'	Water King. Plugged after part. Int. 261-30, 263-46;				
8662-90 (W/2 DJ/It.) W/32, 148 gals. water; 40,000# sand. ROP 2500#, max.					
8662-90, 42. 32. 1100#, 1250-1500-1500-1500#. I.R. 21.1 MIN. Flushed					
W/2700 gal. water. 5 stages - dropped 4 sets of 10 balls each. Spotted					
200 gal. MCA before part. Used 1% Calcium chloride in frac. water.					

IMPORTANT WATER SANDS

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

FROM	TO	TOTAL FEET	FORMATION
0	10	10	Gravelly sand, 10 ft. of gas.
10	20	20	Gravelly sand, 10 ft. of gas.
20	30	30	Gravelly sand, 10 ft. of gas.
30	40	40	Gravelly sand, 10 ft. of gas.
40	50	50	Gravelly sand, 10 ft. of gas.
50	60	60	Gravelly sand, 10 ft. of gas.
60	70	70	Gravelly sand, 10 ft. of gas.
70	80	80	Gravelly sand, 10 ft. of gas.
80	90	90	Gravelly sand, 10 ft. of gas.
90	100	100	Gravelly sand, 10 ft. of gas.