

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **078116-A**

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OCT 4 1962

U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **El Paso Natural Gas Company** Address **Box 990, Farmington, New Mexico**
Lessor or Tract **Florence** Field **Blanco Pictured Cliffs** State **New Mexico**
Well No. **3** Sec. **21** T **30N** R. **9W** Meridian **N.M.P.M.** County **San Juan**
Location **1156** ft. **N.** of **S** Line and **790** ft. **E.** of **W** Line of **Section 21** Elevation **6017**
(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 H.E. M. A.**Date **September 28, 1962**Title **Petroleum Engineer**

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

Commenced drilling **8-8-**, 19 **62** Finished drilling **8-12-**, 19 **62**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2700** to **2750 (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"	43.5	8-14	J-95	278	Howe				Surface
2 7/8"	6.4	8-14	J-55	2789	Baker				Prod casing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8"	312	130	circulated		
2 7/8"	2800	190	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
2708-2714; 2725-2731;	Free Pictured Cliffs w/29,610 gal water (1% calcium chloride, 5% J-98/1000 gal) & 30,000# sand. Flush 1470 gallons water. I.R. 20.5 BPM. avg. Max pr 3500#, MDP 1000#, or pr 2800-3500#. Dropped 1 set of 12 balls.					

TOOLS USED

Rotary tools were used from **0** feet to **2800** feet, and from _____ feet to _____ feet

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

DATES

9-13, 19 **62** 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 **4,693,000** Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. **981-avg.** **A.O.F. 5923**

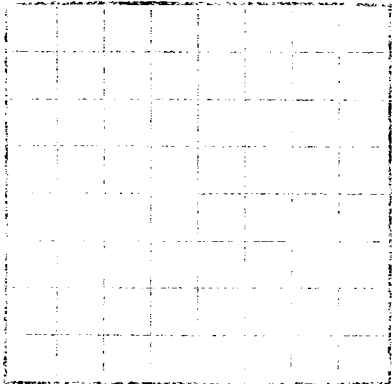
EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1400	1400	Tan to grycr-grn ss interbedded w/gry sh.
1400	1590	190	Ojo Alamo ss. White crpgrn s.
1590	2345	755	Kirtland form. Gry sh interbedded w/tight gry fl grn ss.
2345	2700	355	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2700	2750	50	Pictured Cliffs forms. Gry, fine-grn, tight, varicolored soft ss.
2750	2800	50	Lewis form. Gry, fine-grn dense sil ss.



LOCATE WELL CORRECTLY

Company, _____
Location of well _____
Well No. _____
Location _____
This information is to be filled in by the owner of the well and not by the geologist.
To be filled in by the geologist.

Date _____
The number in this space is for the use of the well at above date.
Completed during _____

OIL OR GAS SANDS OR ZONES

(Check one)

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

IMPORTANT WATER SANDS

No. 1 from _____ to _____
No. 2 from _____ to _____

CASING RECORD

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 "struck" 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.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE
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FROM-	TO-	TOTAL FEET	FORMATION RECORD	
			FORMATION	REMARKS
1000	900	100	...	...
900	800	100	...	...
800	700	100	...	...
700	600	100	...	...
600	500	100	...	...
500	400	100	...	...
400	300	100	...	...
300	200	100	...	...
200	100	100	...	...
100	0	100	...	...