

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **078913**
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Company Address Box 990, Farmington, New Mexico

Lessor or Tract Lindrith Unit Field So. Blanco P. C. State New Mexico

Well No. 46 Sec. 15 T. 24-N R. 3-W Meridian N.M.P.M. County Rio Arriba

Location 1500 ft. NE of N Line and 1650 ft. NE of E Line of Section 15 Elevation 6972
(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. McANALLY

Date ~~December 4, 1962~~

Title---Petroleum-Engineer

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

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

Commenced drilling 5-8, 19. 62 Finished drilling 5-15, 19. 62

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

(Denote year by 2)

No. 1, from <u>3108</u> to <u>3238 (G)</u>	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. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	9T	100	circulated		
2 7/8"	3238	160	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
3136-3148; 3154-3160 (2 SFF);			Frac w/33,138 gallons water, 35,000# sand. Flush w/1100 gallons water. IR 22.9 BPM. Max pr 3000#, ISF 2100#, tr pr 2400-3000-2700#. 1 drop of 15 balls.			

TOOLS USED

TOOLS USED

Rotary tools were used from 97 feet to 336 feet, and from _____ feet to _____ feet

Cable tools were used from 0 feet to 97 feet, and from _____ feet to _____ feet

DATES

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 1,65,000 Gallons gasoline per 1,000 cu. ft. of gas -----

Rock pressure, lbs. per sq. in. ----- 974 ----- A.O.F. 1691

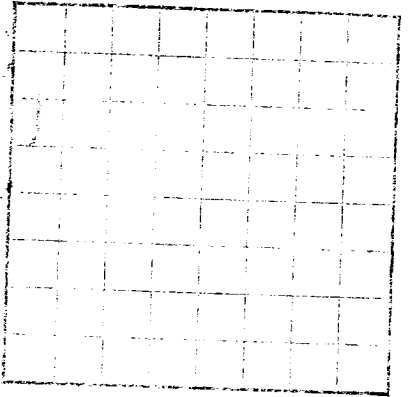
EMPLOYEES

EMPLOYEES

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

FORMATION RECORD

FORMATION RECORD			
FROM—	TO—	TOTAL FEET	FORMATION
0	2340	2340	Tan to gry cr-grn ss interbedded w/gry sh.
2340	2450	110	Ojo Alamo ss. White cr-grn s.
2450	2984	534	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2984	3108	124	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3108	3238	130	Pictured Cliffs forms. Gry, fine-grn, tight, varicolored soft ss.



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LOG OF OIL OR GAS WELL

Company _____
Lessor or Trust _____
Well No. _____
Location _____
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 kept in the vicinity)*
Signed _____
Date _____

The amount on this page is for the condition of the well at close of day _____
Commenced drilling _____
Finished drilling _____

OIL OR GAS SANDS OR MONES

(Name only)

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

IMPORTANT WATER SANDS

No. 1 from _____
No. 2 from _____

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 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.

HISTORY OF OIL OR GAS WELL

LOG NO. _____

WORKING AND CHANGING RECORD

SHOOTING RECORD

TOOLS USED

RATES

EMPLOYEES

FORMATION RECORD

FORMATION

TOTAL FEET

TO-

FROM-