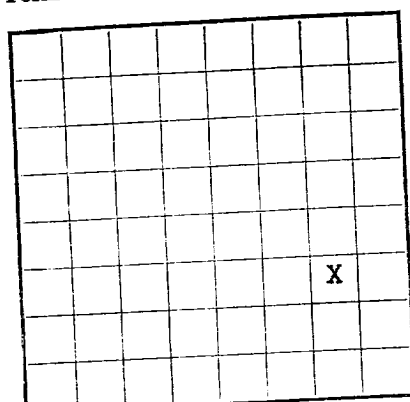


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078909
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
JUL 6 1958
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEX.

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico

Lessor or Tract Lindrith Unit Field Wildcat State New Mexico

Well No. 5 Sec. 19 T. 24 NR. 2W Meridian NMPM County Rio Arriba

Location 1650 ft. [N.] of S. Line and 890 ft. [W.] of E. Line of Section 19 Elevation 7055'
(Derrick floor relative to sea level)

I, James H. Hargrave, hereby certify that the above is a true and correct record of the well and all work done thereon.

Location 1650 ft. ^{N.}~~S.~~ of S Line and 390 ft. ^{E.}~~W.~~ of E Line of _____ (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 FW Boyd

Date July 27, 1956

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 above date.

Commenced drilling May 23, 1956 Finished drilling May 27, 1956

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

(Denote gas by G)

No. 1, from <u>3030</u> to <u>3078 (G)</u>	No. 4, from _____ to _____
No. 2, from _____ to _____	No. 5, from _____ to _____
No. 3, from _____ to _____	No. 6, from _____ to _____

SANDS

IMPORTANT WATER SANDS

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____

No. 2, from _____ to _____ No. 4, from _____ to _____

RECORD

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

MUDDING AND CEMENTING RECORD					
Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8"	133'	100	Circulated		
5 1/2"	3111'	150	Single Stage		

PLUGS AND ADAPTERS

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

SHOOTING RECORD

Adapters—Material		SHOOTING RECORD				
Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		See Well History.				

TOOLS USED

TOOLS USED

Rotary tools were used from _____ feet to 3111 feet, and from _____ feet to _____ feet

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

DATES

DATES

Put to producing _____, 19____
 _____ of fluid of which _____% was oil; _____%

-----7-2-56-----, 19-----
 The production for the first 24 hours was ----- barrels of fluid of which ----- % was oil; ----- %
 emulsion; ----- % water; and ----- % sediment.
 Gravity, °Bé. -----
 A.O.F. - 2587 MCF/D. -----
 ----- barrels gasoline per 1,000 cu. ft. of gas -----

If gas well, cu. ft. per 24 hours 2,505,000 Gallons gasoline per 1,000 cu. ft. of gas 2587 MCF/D.
 Rock pressure, lbs. per sq. in. 970

EMPLOYEES

Rock pressure, lbs. per sq. ft. _____

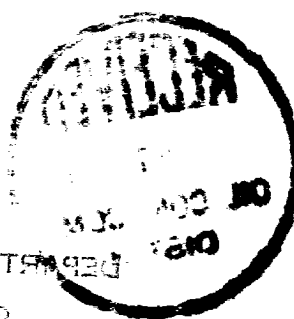
EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2660	2660	Tan to gry cr-grn ss interbedded w/ry sh.
2660	2790	130	Ojo Alamo ss. White cr-grn s.
2790	2864	74	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2864	3030	166	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
3030	3078	48	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3078	3111	33	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.



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DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES

NEW PAC NO NO NO NO

[The following section contains extremely faint, illegible handwritten notes.]

OIL OR GAS SANDS OR LINTS

(Dated 06-07-2018)

No.	Name	Date
1	Zo. A. from ...	06-07-2018
2	Zo. B. from ...	06-07-2018
3	Zo. C. from ...	06-07-2018

20148 RETAW TATTOO

[illegible]

(thru part.) 3030-3040, 3048-3060 with 54,800 gallons water and 60,000# sand. BDP 2250#, maximum pressure 1350#, average breeding pressure 1200#. Injection rate 45.2 BPM. Final 4000 gallons.

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 "underpacked," 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 balling or shots.

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

FROM	TO	TOTAL FEET	FORMATION
			SHOOTING RECORD PLUGS AND ADAPTERS TOOLS USED CHAINS EXCAVATION RECORD TRAIL