

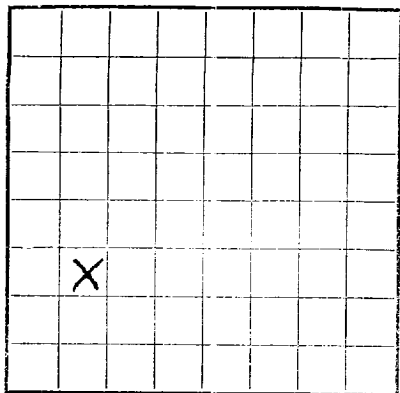
Santa Fe

U. S. LAND OFFICE

SERIAL NUMBER

078049-A

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

JUN 13 1953
U. S. GEOLOGICAL SURVEY
SANTA FE, N. M.

Company El Paso Natural Gas Company Address Box 997 Farmington, New Mexico
Lessor or Tract Hardie Field Blanco State New Mexico
Well No. 1-B Sec. 20 T. 29N R. 13E Meridian N. M. P. M. County San Juan
Location 1750 ft. N. of S. Line and 915 ft. E. of W. Line of Section 28 Elevation 6389
(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

J. L. TallockDate June 22, 1953Title Petroleum Engineer

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

Commenced drilling May 10, 1953 Finished drilling May 29, 1953

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2930 to 2981 (G) No. 4, from 5142 to 5286 (G)
No. 2, from 4564 to 4689 (G) No. 5, from _____ to _____
No. 3, from 4689 to 5142 (G) No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 2, 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	S. W.	Armco	159'	Armco				Surface
7"	23	8 RD	Spang	4489'	Baker				Prod. Csg
2"	4.7	8 RD	Youngst.	5265'					Prod. Tbg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8	172'	125	Circulated		
7"	4500'	300	Sing. 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
Quart	Regular	S.N.G.	1761	5-30-53	4552'-5346'	5346'

TOOLS USED

Rotary tools were used from _____ feet to 4500' feet, and from 4500' feet to 5346' feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 19____
May 31, 1953

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. 3,780,0001068

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	650	650	Tan cr-grn ss w/thin sh breaks.
650	1060	410	Variegated sh w/thin ss breaks.
1060	1940	880	Tan to gry cr-grn ss interbedded w/gry sh.
1940	2040	100	Ojo Alamo ss. Wh cr-grn s. Top Ojo Alamo 1940.
2040	2650	610	Kirtland formation. Gry sh interbedded w/tight gry fine-grn ss. Top Kirtland 2040.
2650	2930	280	Fruitland formation. Gry carb sh, scattered coals and gry, tight, fine-grn ss. Top Fruitland 2650.
2930	2981	51	Pictured Cliffs formation. Gry, fine-grn, tight, varicolored soft ss. Top Pictured Cliffs 2930.
2981	4564	1583	Lewis formation. Gry to wh dense sh w/silty to shaly ss breaks. Top Lewis 2981.
4564	4689	125	Cliff House ss. Gry, fine-grn, dense sil ss. Top of Cliff House 4564.
4689	5142	453	Menefee formation. Gry, fine-grn s, carb sh and coal. Top Menefee 4689.
5142	5286	144	Point Lookout formation. Gry, very fine sil ss w/frequent sh breaks. Top Point Lookout 5142.
5286	5346	60	Mancos formation. Gry carb sh. Top Mancos 5286.

[OVER]

16-43094-3

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, 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

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



X

70-15000-10000-10000

2 - Bureau
1 - SAC, New York
1 - SAC, New York
1 - SAC, New York

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FROM—

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TOTAL FEET

FOR WHOM