

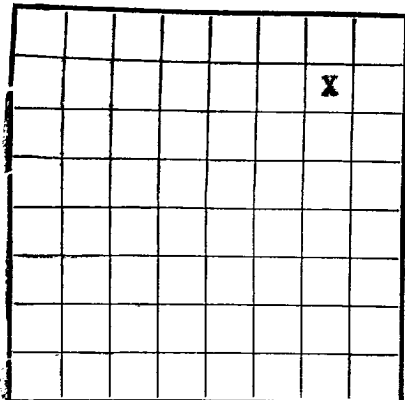
Santa Fe

U. S. LAND OFFICE

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract Canyon Largo Unit Field Wildcat State New Mexico
Well No. 60 Sec. 10 T. 24N R. 7W Meridian N.M.P.M. County Rio Arriba
Location 990 ft. N of N Line and 1000 ft. W of E Line of Section 10 Elevation 6736'
(Derriek 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 J.J. TILLERSON

Date February 5, 1959 Title Petroleum Engineer

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

Commenced drilling 12-28, 19 58 Finished drilling 12-31, 19 58

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2207 to 2285 (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 5370 Bottoms to 5300 No. 4, from _____ to _____
5350-50' 5335-40' 5320-30' 5305-20' 5290-10' 5275-0'

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	From—	To—	Purpose
8 5/8"	32	8 Rd.	J-55	115'	Howco				Surface
5 1/2"	24	8 Rd.	Grade A	2241'					Drill pipe

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	124	100	Circulated		
5 1/2"	2309	100	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 0 feet to 2321 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

1-13, 19 59 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 3,008,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 596 A.O.F. = 3693 MCF/D

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1564	1564	Tan to gry cr-grn ss interbedded w/gry sh.
1564	1709	145	Ojo Alamo ss. White cr-grn s.
1709	2056	347	Kirtland form. Gry sh interbedded w/tight gry fine grn ss.
2056	2207	151	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2207	2285	78	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2285	2321	36	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.

FROM—

TO—

TOTAL FEET

[OVER]

FORMATION

16-43094-4

FORMATION RECORD—Continued

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

[illegible]

Date February 2, 1938
 Signed _____
 Title Petroleum Engineer
 The information given herewith is a complete and correct record of the well and all work done thereon
 as far as can be determined from all available records.
 ORIGINAL SIGNED J. J. ILLERSON
 Location 200 ft. of _____ Line and _____ ft. _____ of _____ Line and _____ ft. _____ of _____ Line of _____ Section 10 _____ Elevation _____ (Footing floor relative to sea level)
 Well No. 60 Sec. 10 T. 24N. R. 7W. Meridian N.M.P.M. County Rio Arriba
 Lessor or Tract Canyon Largo Unit Field Wildcat State New Mexico
 Company El Paso Natural Gas Company Address Box 241, Farmington, New Mexico

Commenced drilling _____ 19-32 _____
Finished drilling _____ 15-31 _____
The summary on this page is for the condition of the well at above date.

OIL OR GAS SANDS OR ZONES

No. 1, from ----- to ----- 2501
No. 2, from ----- to -----
No. 3, from ----- to -----
No. 4, from ----- to ----- 2502 (g)
No. 5, from ----- to -----
No. 6, from ----- to -----
(Derevo das ga)

IMPORTANT WATER SANDS

2220-25; 2232-40 w/35, 150 gallons water and 40,000 sand. no pr.
3100f, max. pr. 3200f, tr. pr. 1600, 1700, 1800f. I.R. 55 BM. Mush
2310 gallons. Dropped 4 sets of 9 balls.
No. 3, from
to
No. 1, from
to

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 the type, 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 the test log, state kind of material used, position, and results of pumping or balling.									
Casing	per foot	Thickness	Make	Amount	Kind of shoe	Cut and drilled from	From—	To—	Purpose
2 1/2"	35	8 lb.	1-22	115	BLWCO				Drilling

~~HISTORY OF OIL OR GAS WELL~~

RECORDING AND CEMENTING RECORD

Coating Size	Whoresol	Number acres of cement	Method used	Kind quantity	Amount of mud used
1 1/2"	2300	170	Single Stage		
2 1/8"	181	100	Circumfered		

PLUGS AND ADAPTERS

Adapters—Material	Size	Length	Depth set
Heaving plug—Material			

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from	0	feet to	feet and from	feet to	feet
Cable tools were used from		feet to	feet and from	feet to	feet

DATE	DESCRIPTION	AMOUNT	CHECK NO.	BANK	INITIALS
10/1/78	10/1/78	100.00	100	100	100
10/2/78	10/2/78	100.00	100	100	100
10/3/78	10/3/78	100.00	100	100	100
10/4/78	10/4/78	100.00	100	100	100
10/5/78	10/5/78	100.00	100	100	100
10/6/78	10/6/78	100.00	100	100	100
10/7/78	10/7/78	100.00	100	100	100
10/8/78	10/8/78	100.00	100	100	100
10/9/78	10/9/78	100.00	100	100	100
10/10/78	10/10/78	100.00	100	100	100
10/11/78	10/11/78	100.00	100	100	100
10/12/78	10/12/78	100.00	100	100	100
10/13/78	10/13/78	100.00	100	100	100
10/14/78	10/14/78	100.00	100	100	100
10/15/78	10/15/78	100.00	100	100	100
10/16/78	10/16/78	100.00	100	100	100
10/17/78	10/17/78	100.00	100	100	100
10/18/78	10/18/78	100.00	100	100	100
10/19/78	10/19/78	100.00	100	100	100
10/20/78	10/20/78	100.00	100	100	100
10/21/78	10/21/78	100.00	100	100	100
10/22/78	10/22/78	100.00	100	100	100
10/23/78	10/23/78	100.00	100	100	100
10/24/78	10/24/78	100.00	100	100	100
10/25/78	10/25/78	100.00	100	100	100
10/26/78	10/26/78	100.00	100	100	100
10/27/78	10/27/78	100.00	100	100	100
10/28/78	10/28/78	100.00	100	100	100
10/29/78	10/29/78	100.00	100	100	100
10/30/78	10/30/78	100.00	100	100	100
10/31/78	10/31/78	100.00	100	100	100
11/1/78	11/1/78	100.00	100	100	100
11/2/78	11/2/78	100.00	100	100	100
11/3/78	11/3/78	100.00	100	100	100
11/4/78	11/4/78	100.00	100	100	100
11/5/78	11/5/78	100.00	100	100	100
11/6/78	11/6/78	100.00	100	100	100
11/7/78	11/7/78	100.00	100	100	100
11/8/78	11/8/78	100.00	100	100	100
11/9/78	11/9/78	100.00	100	100	100
11/10/78	11/10/78	100.00	100	100	100
11/11/78	11/11/78	100.00	100	100	100
11/12/78	11/12/78	100.00	100	100	100
11/13/78	11/13/78	100.00	100	100	100
11/14/78	11/14/78	100.00	100	100	100
11/15/78	11/15/78	100.00	100	100	100
11/16/78	11/16/78	100.00	100	100	100
11/17/78	11/17/78	100.00	100	100	100
11/18/78	11/18/78	100.00	100	100	100
11/19/78	11/19/78	100.00	100	100	100
11/20/78	11/20/78	100.00	100	100	100
11/21/78	11/21/78	100.00	100	100	100
11/22/78	11/22/78	100.00	100	100	100
11/23/78	11/23/78	100.00	100	100	100
11/24/78	11/24/78	100.00	100	100	100</

The production for the first 24 hours was	1-13	1952
barrels of fluid of which % was oil; %		
Put to producing		1-13

It was well emulsified in 24 hours.	3.000 gms.	100%
emulsion; and	100%	sediment.
Gravity, 86°		

EMPLOYEES

Driller	Driller		
Driller	Driller		

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
2585	2381	30	Lewis formation. Gty to white dense sh w/ sh ls shaly ls breaks.
2507	2385	75	varicolored soft ss. fractured cliffs form. Gty, fine-grn, tight, massive and gty, tight, fine-grn ss.
2056	2307	151	fractured form. Gty carb sh, scattered coal. fine grn ss.
1709	2056	347	fractured form. Gty sh interbedded w/ tight fine-grn ss.
1504	1709	145	Ocoee ss. White cr-grn s.
0	1504	1504	tan to gty cr-grn ss interbedded w/ gty sh.