

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **078096**
LEASE OR PERMIT TO PROSPECT

UNITED STATES RECEIVED
DEPARTMENT OF THE INTERIOR MAR 19 1953
GEOLOGICAL SURVEY U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

Company **El Paso Natural Gas Company** Address **Box 997, Farmington, New Mexico**
 Lessor or Tract **Mudge** Field **Blanco** State **New Mexico**
 Well No. **15** Sec. **8** T. **31N** R. **11W** Meridian **NMPM** County **San Juan**
 Location **1800** ft. ~~XXX~~ **N** of **990** ft. ~~XXX~~ **E** of **E** Line of **Section 8** Elevation **6086**
 (Derive floor relative to sea level)

Complete and correct record of the well and all work done thereon
records.
Signed D. F. Dullock
Petroleum Engineer

Date **March 8, 1955**

Title **Petroleum Engineer**

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

Commenced drilling **February 3,** 19**55** Finished drilling **February 19** 19**55**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

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No. 1, from	2627	to	2718 (G)
No. 2, from	4235	to	4427 (G)
No. 3, from	4427	to	4853 (G)
No. 4, from	4853	to	5140 (G)
No. 5, 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 _____

Year	Month	Day	Well	Depth	Pressure	Temperature	Flow	Notes
1950	1	10	100'	100'	100'	100'	100'	100'
1951	2	15	100'	100'	100'	100'	100'	100'
1952	3	20	100'	100'	100'	100'	100'	100'
1953	4	25	100'	100'	100'	100'	100'	100'
1954	5	30	100'	100'	100'	100'	100'	100'
1955	6	1	100'	100'	100'	100'	100'	100'
1956	7	5	100'	100'	100'	100'	100'	100'
1957	8	10	100'	100'	100'	100'	100'	100'
1958	9	15	100'	100'	100'	100'	100'	100'
1959	10	20	100'	100'	100'	100'	100'	100'
1960	11	25	100'	100'	100'	100'	100'	100'
1961	12	30	100'	100'	100'	100'	100'	100'

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8	171'	125	Circulated		
7"	4850	500	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

Gas Drilled

Rotary tools were used from 0 feet to 4850 feet, and from 4850 feet to 5140 feet.

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

DATES

February 20, 1955 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 4,922 MCF/D Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 1,018

EMPLOYEES

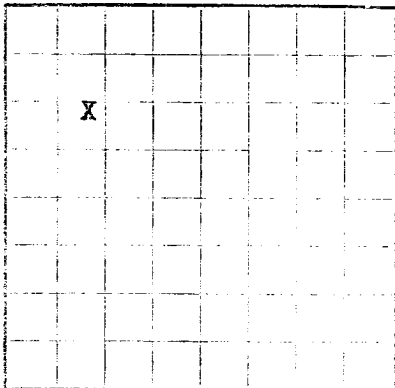
_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	792	792	Tan cr-grn ss w/thin sh breaks.
792	1120	328	Variegated sh w/thin ss breaks.
1120	1633	513	Tan to gry cr-grn ss interbedded w/gry sh.
1633	1692	59	Ojo Alamo ss. White cr-grn s.
1692	2159	467	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2159	2627	468	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
2627	2718	91	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2718	4235	1517	Lewis form. Gry to white dense sh w/silty to shaly ss breaks.
4235	4427	192	Cliff House ss. Gry, fine-grn, dense sil ss.
4427	4853	426	Menefee form. Gry, fine-grn s, carb sh and coal.
4853	5140	287	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES



LOCATE WELL CORRECTLY

Company, El Paso Natural Gas Company
Address, Box 997, Farmington, New Mexico
Field, Blanco
State, New Mexico
County, Santa Fe
Mudgate
Well No. 15
Sec. 8
T. 31N
R. 11W
N. 15
S. 8
E. 15
W. 8
Location, 1500 ft. of line and 980 ft. of line of Section 8
Elevation, 5000
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, *[Signature]*
Title, Petroleum Engineer
Date, March 8, 1925

The summary on this page is for the condition of the well at above date.
Commenced drilling, February 3, 1925
Finished drilling, February 19, 1925

OIL OR GAS SANDS OR ZONES

(Denote gas by G)
No. 1, from 5027 to 5118 (G)
No. 2, from 4532 to 4727 (G)
No. 3, from 4427 to 4823 (G)
No. 4, from 4823 to 5118 (G)

IMPORTANT WATER SANDS

No. 1, from 5027 to 5118
No. 2, from 4532 to 4727
No. 3, from 4427 to 4823
No. 4, from 4823 to 5118

Pressure 170 psi, maximum pressure 170 psi, injection rate 9.4 bbls/min.
Gage after 4,070 MFE.
Approx. 3,135 gallons oil and 13,400 sand
Point Lookout 1450, 5140 from
Retainer set at 5140
Minimum pressure 170 psi.
Natural gas 151M
Gage 151M
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 have been any changes made in the casing, state fully, and if any casing was sidetracked, or if the well has been dynamited, give date, size, position, and number of shots. If rings or bridges were put in to test for water, state kind of material used, position, and results of pumping or pulling.
8 RD 1-25 FOR 1048.80, Baker
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HISTORY OF OIL OR GAS WELL

MUDDING AND CEMENTING RECORD

Water used	Number sacks of cement	Method used	Mud stratification	Amount of mud used
171	125	Circulated		
4530	500	Single stage		

PLUGS AND ADAPTERS

Adapters—Material
Length
Size
Don't not

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 5027 to 5118 feet and from 4823 to 5118 feet
Cable tools were used from 5027 to 5118 feet and from 4823 to 5118 feet

DATES

February 30
The production for the first 24 hours was 10% water; and 90% sediment.
It gas well, cu. ft. per 24 hours 4,922 MCF/D
Back pressure, lbs. per sq. in. 1,018
Gallons gasoline per 1,000 cu. ft. of gas 1.018
Gravity, °Bé.
Barrels of fluid of which 90% was oil; 10% was gas.
Put to producing, 1925

EMPLOYEES

Driller
Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	792	792	tan cr-gm ss w/thin sh breaks
792	1120	328	variegated sh w/thin sh breaks
1120	1633	513	tan to gry cr-gm ss interbedded w/gry sh
1633	1692	59	0.50 Alamo ss, white cr-gm ss
1692	2152	460	lightland form, gry ss interbedded w/tight
2152	2627	475	gry fine-grm ss
2627	2627	0	lightland form, gry carb sh, scattered coals
2627	2718	91	coals and gry, tight, fine-grm ss
2718	4232	1514	variegated soft ss
4232	4427	195	louis form, gry to white dense sh w/silty to
4427	4823	396	shaly ss breaks
4823	5140	317	Cliff H use as gry, fine-grm, dense sil ss
5140	5140	0	Memphis form Gry, fine-grm ss, carb sh and coal
5140	5140	0	Point Lookout form Gry, very fine sil ss
5140	5140	0	W/irradiant sh breaks