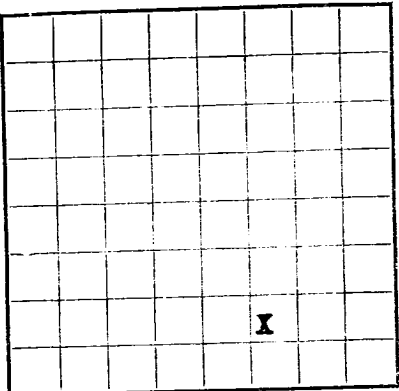


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078398
LEASE OR PERMIT TO PROSPECT _____

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 Lloyd Field Astec Pool State New Mexico
Well No. 1-D Sec. 21 T. 30N R. 11W Meridian N.M.P.M. County San Juan
Location 1190 ft. ^(N.) of 8 Line and 1650 ft. ^(E.) of 7 Line of Section 21 Elevation 5794
(Derrick floor relative to 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 E. J. COFI

Date March 12, 1953 Title Petroleum Engineer

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

Commenced drilling February 2, 19 53 Finished drilling February 14, 19 53

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

No. 1, from 2152 to 2206 (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 383 to 450 No. 3, from 715 to 765
No. 2, from 525 to 610 No. 4, from 1325 to 1360

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Perforated		Purpose
						From	To	
<u>9 5/8</u>	<u>25.4</u>	<u>8</u>	<u>S. W.</u>	<u>94'</u>	<u>BAKER</u>			<u>Surface</u>
<u>5 1/2</u>	<u>16.5</u>	<u>8</u>	<u>Spring</u>	<u>2140'</u>	<u>BAKER</u>			<u>2140' to 2206'</u>
<u>1"</u>	<u>1.68</u>	<u>8</u>	<u>Std. Blk.</u>	<u>2193'</u>				<u>Prod. lbg.</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>9 5/8</u>	<u>94'</u>	<u>100</u>	<u>Circulated</u>		
<u>5 1/2</u>	<u>2152</u>	<u>150</u>	<u>Sing. Stage</u>		

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
<u>Quart</u>	<u>Regular</u>	<u>S.N.G.</u>	<u>125</u>	<u>2-23-53</u>	<u>2156-2206</u>	<u>2206</u>

TOOLS USED

Rotary tools were used from 0 feet to 2152 feet, and from _____ feet to _____ feet
Cable tools were used from 2152 feet to 2206 feet, and from _____ feet to _____ feet

DATES

February 26, 19 53 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 100,000 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 590

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>105</u>	<u>105</u>	<u>Tan cr-grn ss w/thin sh breaks.</u>
<u>105</u>	<u>383</u>	<u>278</u>	<u>Variegated sh w/thin ss breaks.</u>
<u>383</u>	<u>710</u>	<u>327</u>	<u>Tan to gry cr-grn ss interbedded w/gry sh.</u>
<u>710</u>	<u>844</u>	<u>134</u>	<u>Ojo Alamo ss. Wh cr-grn s. Top Ojo Alamo 710.</u>
<u>844</u>	<u>1844</u>	<u>1000</u>	<u>Kirtland formation. Gry sh interbedded w/tight gry fine-grn ss. Top Kirtland 844.</u>
<u>1844</u>	<u>2152</u>	<u>308</u>	<u>Fruitland formation. Gry carb sh, scattered coals and gry, tight, fine-grn ss. Top Fruitland 1844.</u>
<u>2152</u>	<u>2206</u>	<u>54</u>	<u>Pictured Cliffs formation. Gry, fine-grn, tight, varicolored soft ss. Top Pictured Cliffs 2152.</u>

048392

LOG OF OIL ON GAS WELL

LOCATE WELL CORRECTLY

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 E. J. COLE

Location _____
Well No. _____
Section _____ Township _____ Range _____
Merridian _____
County _____ State _____
Address _____
Company _____

Commenced drilling 19-53-
Finished drilling 19-53-
The summary on this page is for the condition of the well as above date.
Date 19-53-
The information is correct

OIL OR GAS SANDS OR ZONES

(c) $\nabla \cdot \mathbf{u} = 0$ in Ω .

No. 1, from 2452 to 2500 (5)
 No. 2, from 2500 to 2550
 No. 3, from 2550 to 2600
 No. 4, from 2600 to 2650
 No. 5, from 2650 to 2700
 No. 6, from 2700 to 2750

IMPORTANT WATER SAVING

No. 1, from 100 to 150
 No. 2, from 150 to 200
 No. 3, from 200 to 250
 No. 4, from 250 to 300
 No. 5, from 300 to 350
 No. 6, from 350 to 400
 No. 7, from 400 to 450
 No. 8, from 450 to 500
 No. 9, from 500 to 550
 No. 10, from 550 to 600
 No. 11, from 600 to 650
 No. 12, from 650 to 700
 No. 13, from 700 to 750
 No. 14, from 750 to 800
 No. 15, from 800 to 850
 No. 16, from 850 to 900
 No. 17, from 900 to 950
 No. 18, from 950 to 1000

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 (dily, 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 shot. If pipes or bridges were put in the well for any purpose, state kind of material used, position, and reasons for pumping or pulling.

HISTORY OF OIL OR GAS WELL

BUILDING AND CEMENTING RECORD

PLASTERING AND CEMENTING RECORDED

DATE	WHERE SET	NUMBER SACS OF CEMENT	METHOD USED	FIELD STRENGTH	LOADING OF ROAD USED
10/10	115	100	100	100	100
10/11	115	100	100	100	100

PLUGS AND ADAPTERS

	Length	Diameter
	Size	Weight

SHOOTING RECORD

Site	Spill used	Estimated amount	Quantity	Date	Location	Depth cleaned out

U252 2300

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

DATE

February 28 1937

EMPLOYEES

NAME	ADDRESS	CITY	STATE	ZIP
NAME	ADDRESS	CITY	STATE	ZIP

FORMATION

[illegible]