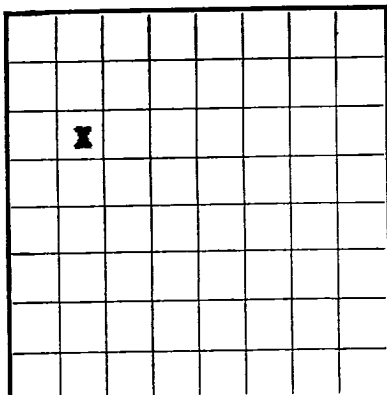
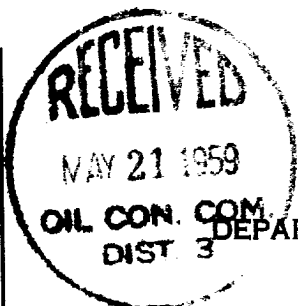




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078912
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract Lindrith Unit Field So. Blanco P.C. State New Mexico
Well No. 31 Sec. 24 T. 24N R. 3W Meridian N.M.P.M. County Rio Arriba
Location 1800 ft. XX of N Line and 990 ft. XX of W Line of Section 24 Elevation 7045'
(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 Original Signed C. D. CDKDate May 15, 1959Title Petroleum Engineer

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

Commenced drilling April 17, 1959 Finished drilling April 21, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3093 to 3154 (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 _____ 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—	
<u>8 5/8"</u>	<u>28</u>	<u>8 BA.</u>	<u>E-40</u>	<u>53'</u>					<u>Surface</u>
<u>8 5/8"</u>	<u>28</u>	<u>8 BA.</u>	<u>E-45</u>	<u>65'</u>					<u>Prod. cas.</u>
<u>5 1/2"</u>	<u>25.5</u>	<u>8 BA.</u>	<u>E-25</u>	<u>3093'</u>					
<u>1 1/4"</u>	<u>2.4</u>	<u>8 BA.</u>	<u>Grade "A"</u>	<u>3135'</u>					<u>Stiphen</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8 5/8"</u>	<u>128'</u>	<u>74</u>	<u>Circulated</u>		
<u>5 1/2"</u>	<u>3203'</u>	<u>50</u>	<u>Single 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>See Well History</u>				

TOOLS USED

Rotary tools were used from 0 feet to 3204 feet, and from _____ feet to _____ feet

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

DATES

_____ April 17, 1959 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 962,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 976 A.O.F. 968 MCF/D

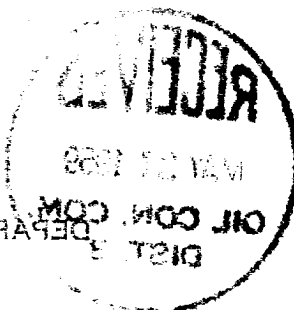
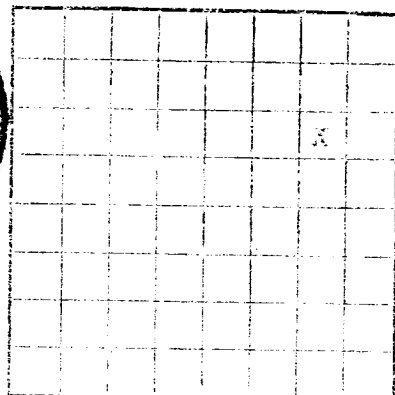
EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>2670</u>	<u>2670</u>	<u>Tan to gry cr-grn ss interbedded w/gry sh.</u>
<u>2670</u>	<u>2855</u>	<u>185</u>	<u>Ojo Alamo ss. White cr-grn s.</u>
<u>2855</u>	<u>2936</u>	<u>81</u>	<u>Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.</u>
<u>2936</u>	<u>3093</u>	<u>157</u>	<u>Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.</u>
<u>3093</u>	<u>3154</u>	<u>61</u>	<u>Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.</u>
<u>3154</u>	<u>3204</u>	<u>50</u>	<u>Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.</u>



Geological Survey
Department of the Interior
United States
Bureau of Mines
Washington, D.C.

LOG OF OIL OR GAS WELL

Company _____
Location _____
The information given here is a complete and correct record of the well and all work done thereon
as far as can be determined from all reliable records.
Signed _____
Witness _____

Date _____
The summary on this page is for the location of the well at _____
Commenced drilling _____
Washed out _____

OIL OR GAS SANDS OR CORES
No. 1 from _____
No. 2 from _____
No. 3 from _____
No. 4 from _____

WATER SANDS
No. 1 from _____
No. 2 from _____
No. 3 from _____
No. 4 from _____
No. 5 from _____
No. 6 from _____
No. 7 from _____
No. 8 from _____
No. 9 from _____
No. 10 from _____

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 "struck" 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 pigs 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

FROM	TO	TOTAL FEET	FORMATION
0	10	10	Gravelly sand
10	20	20	Sand
20	30	30	Sand
30	40	40	Sand
40	50	50	Sand
50	60	60	Sand
60	70	70	Sand
70	80	80	Sand
80	90	90	Sand
90	100	100	Sand