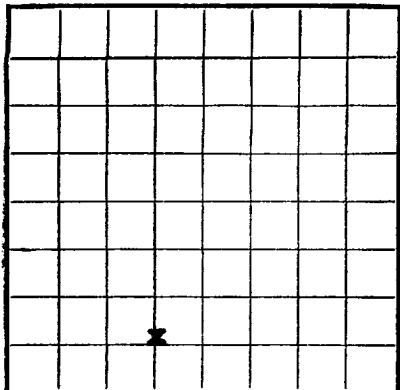


Form 9-830

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER LC 032579 (c)
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address P. O. Box 1384; Jal, New Mexico
Lessor or Tract Carlson Federal Field Jalmat State New Mexico
Well No. 2 Sec. 23 T. 25S R. 37E Meridian NMPM County Lea
Location 660 ft. N of S Line and 1980 ft. E of W Line of Section 23 Elevation _____
(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 Larry C. Zink
Date December 12, 1955 Title Division Geologist

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

Commenced drilling 9-27, 19 55 Finished drilling 10-23, 19 55

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2250 to 2300 (G) No. 4, from 3150 to 3218 (G)
No. 2, from 2350 to 2400 (G) No. 5, from _____ to _____
No. 3, from 3005 to 3143 (G) 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>324</u>		<u>J-55</u>	<u>922</u>	<u>Halliburton</u>				<u>Surface</u>
<u>5-1/8</u>	<u>196</u>		<u>J-55</u>	<u>2304</u>			<u>2300</u>	<u>2628</u>	<u>Production</u>
<u>2"</u>	<u>Tubing</u>		<u>J-55</u>	<u>2639</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>922</u>	<u>500</u>	<u>Halliburton</u>		
<u>5-1/2</u>	<u>3304</u>	<u>2110</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

TOOLS USED

Rotary tools were used from 0 feet to 3314 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19 _____ 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 320 MCF Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 1225

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>885</u>	<u>885</u>	<u>Surface sands & red beds</u>
<u>885</u>	<u>970</u>	<u>85</u>	<u>Rustler Anhydrite</u>
<u>970</u>	<u>2132</u>	<u>1162</u>	<u>Salt, anhydrite (Salado)</u>
<u>2132</u>	<u>2350</u>	<u>218</u>	<u>Anhydrite and dolomite (Tansill)</u>
<u>2350</u>	<u>2609</u>	<u>259</u>	<u>Sandstone, dolomite, anhydrite (Yates)</u>
<u>2609</u>	<u>3040</u>	<u>431</u>	<u>Dolomite & anhydrite (some sand) Seven Rivers)</u>
<u>3040</u>	<u>3160</u>	<u>120</u>	<u>Sandstone & dolomite (Queen)</u>
<u>3160</u>	<u>3314 (TD)</u>	<u>154</u>	<u>predominately sandstone with dolomite partings</u>

LAST OR PERMIT TO PROSPECT _____
 SERIAL NUMBER _____
 U. S. LAND OFFICE _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

A blank sheet of graph paper with a grid pattern. The grid consists of 10 columns and 8 rows of squares. There are no markings or text on the page.

Completed drilling _____ 19____
Finished drilling _____ 19____

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

Date

Title

Signed _____
as far as can be determined from all available records.

The information given herewith is a complete and correct record of the well and all work done thereon

Elevation _____ of _____ line of _____
(Elevation is not relative to sea level)

Well No. _____ Sec. _____ T. _____ R. _____ Meridian _____
Location _____ ft. S. _____ of _____ line and _____ ft. W.

Lesson or Tract

Company

Address

OIL OR GAS SANDS OR ZONES

(T) and 200 stops(T)

The well was grouted at 9:00 a.m. on November 27, 1955 and was drilled to 922'. There 8-5/8" casing was set cement grouted. The well was then drilled to 3314' (Total Depth) and 5" 1-55 casing was run to 3304' (Top of cement at 1590'). Casing was perforated from 2350 to 2618, and the completion was given two 10,000 gallon water flush treatments. 2" tubing was run to 2639'. Completion date: October 23, 1955.

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 in as exacting way as "sighted," 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 to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 16-58084-2

FORMATION RECORD				SHOOTING RECORD				MUDGING AND CEMENTING RECORD				
FROM-		TO-	TOTAL FEET	FORMATION		Time	Shot used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
1000		1010	10	Gravelly sandstone (thin)								
1010		1020	10	Gravelly sandstone (thin)								
1020		1030	10	Gravelly sandstone (thin)								
1030		1040	10	Gravelly sandstone (thin)								
1040		1050	10	Gravelly sandstone (thin)								
1050		1060	10	Gravelly sandstone (thin)								
1060		1070	10	Gravelly sandstone (thin)								
1070		1080	10	Gravelly sandstone (thin)								
1080		1090	10	Gravelly sandstone (thin)								
1090		1100	10	Gravelly sandstone (thin)								
1100		1110	10	Gravelly sandstone (thin)								
1110		1120	10	Gravelly sandstone (thin)								
1120		1130	10	Gravelly sandstone (thin)								
1130		1140	10	Gravelly sandstone (thin)								
1140		1150	10	Gravelly sandstone (thin)								
1150		1160	10	Gravelly sandstone (thin)								
1160		1170	10	Gravelly sandstone (thin)								
1170		1180	10	Gravelly sandstone (thin)								
1180		1190	10	Gravelly sandstone (thin)								
1190		1200	10	Gravelly sandstone (thin)								
1200		1210	10	Gravelly sandstone (thin)								
1210		1220	10	Gravelly sandstone (thin)								
1220		1230	10	Gravelly sandstone (thin)								
1230		1240	10	Gravelly sandstone (thin)								
1240		1250	10	Gravelly sandstone (thin)								
1250		1260	10	Gravelly sandstone (thin)								
1260		1270	10	Gravelly sandstone (thin)								
1270		1280	10	Gravelly sandstone (thin)								
1280		1290	10	Gravelly sandstone (thin)								
1290		1300	10	Gravelly sandstone (thin)								
1300		1310	10	Gravelly sandstone (thin)								
1310		1320	10	Gravelly sandstone (thin)								
1320		1330	10	Gravelly sandstone (thin)								
1330		1340	10	Gravelly sandstone (thin)								
1340		1350	10	Gravelly sandstone (thin)								
1350		1360	10	Gravelly sandstone (thin)								
1360		1370	10	Gravelly sandstone (thin)								
1370		1380	10	Gravelly sandstone (thin)								
1380		1390	10	Gravelly sandstone (thin)								
1390		1400	10	Gravelly sandstone (thin)								
1400		1410	10	Gravelly sandstone (thin)								
1410		1420	10	Gravelly sandstone (thin)								
1420		1430	10	Gravelly sandstone (thin)								
1430		1440	10	Gravelly sandstone (thin)								
1440		1450	10	Gravelly sandstone (thin)								
1450		1460	10	Gravelly sandstone (thin)								
1460		1470	10	Gravelly sandstone (thin)								
1470		1480	10	Gravelly sandstone (thin)								
1480		1490	10	Gravelly sandstone (thin)								
1490		1500	10	Gravelly sandstone (thin)								
1500		1510	10	Gravelly sandstone (thin)								
1510		1520	10	Gravelly sandstone (thin)								
1520		1530	10	Gravelly sandstone (thin)								
1530		1540	10	Gravelly sandstone (thin)								
1540		1550	10	Gravelly sandstone (thin)								
1550		1560	10	Gravelly sandstone (thin)								
1560		1570	10	Gravelly sandstone (thin)								
1570		1580	10	Gravelly sandstone (thin)								
1580		1590	10	Gravelly sandstone (thin)								
1590		1600	10	Gravelly sandstone (thin)								
1600		1610	10	Gravelly sandstone (thin)								
1610		1620	10	Gravelly sandstone (thin)								
1620		1630	10	Gravelly sandstone (thin)								
1630		1640	10	Gravelly sandstone (thin)								
1640		1650	10	Gravelly sandstone (thin)								
1650		1660	10	Gravelly sandstone (thin)								
1660		1670	10	Gravelly sandstone (thin)								
1670		1680	10	Gravelly sandstone (thin)								
1680		1690	10	Gravelly sandstone (thin)								
1690		1700	10	Gravelly sandstone (thin)								
1700		1710	10	Gravelly sandstone (thin)								
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1760		1770	10	Gravelly sandstone (thin)								
1770		1780	10	Gravelly sandstone (thin)								
1780		1790	10	Gravelly sandstone (thin)								
1790		1800	10	Gravelly sandstone (thin)								
1800		1810	10	Gravelly sandstone (thin)								
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1840		1850	10	Gravelly sandstone (thin)								
1850		1860	10	Gravelly sandstone (thin)								
1860		1870	10	Gravelly sandstone (thin)								
1870		1880	10	Gravelly sandstone (thin)								
1880		1890	10	Gravelly sandstone (thin)								
1890		1900	10	Gravelly sandstone (thin)								
1900		1910	10	Gravelly sandstone (thin)								
1910		1920	10	Gravelly sandstone (thin)								
1920		1930	10	Gravelly sandstone (thin)								
1930		1940	10	Gravelly sandstone (thin)								
1940		1950	10	Gravelly sandstone (thin)								
1950		1960	10	Gravelly sandstone (thin)								
1960		1970	10	Gravelly sandstone (thin)								
1970		1980	10	Gravelly sandstone (thin)								
1980		1990	10	Gravelly sandstone (thin)								
1990		2000	10	Gravelly sandstone (thin)								
2000		2010	10	Gravelly sandstone (thin)								
2010		2020	10	Gravelly sandstone (thin)								
2020		2030	10	Gravelly sandstone (thin)								
2030		2040	10	Gravelly sandstone (thin)								
2040		2050	10	Gravelly sandstone (thin)								
2050		2060	10	Gravelly sandstone (thin)								
2060		2070	10	Gravelly sandstone (thin)								
2070		2080	10	Gravelly sandstone (thin)								
2080		2090	10	Gravelly sandstone (thin)								
2090		2100	10	Gravelly sandstone (thin)								
2100		2110	10	Gravelly sandstone (thin)								
2110		2120	10	Gravelly sandstone (thin)								
2120		2130	10	Gravelly sandstone (thin)								
2130		2140	10	Gravelly sandstone (thin)								
2140		2150	10	Gravelly sandstone (thin)								
2150		2160	10	Gravelly sandstone (thin)								
2160		2170	10	Gravelly sandstone (thin)								
2170		2180	10	Gravelly sandstone (thin)								
2180		2190	10	Gravelly sandstone (thin)								
2190		2200	10	Gravelly sandstone (thin)								
2200		2210	10	Gravelly sandstone (thin)								
2210		2220	10	Gravelly sandstone (thin)								
2220		2230	10	Gravelly sandstone (thin)								
2230		2240	10	Gravelly sandstone (thin)								
2240		2250	10	Gravelly sandstone (thin)								
2250		2260	10	Gravelly sandstone (thin)								
2260		2270	10	Gravelly sandstone (thin)								
2270		2280	10	Gravelly sandstone (thin)								
2280		2290	10	Gravelly sandstone (thin)								
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2460		2470	10	Gravelly sandstone (thin)								
2470		2480	10	Gravelly sandstone (thin)								
2480		2490	10	Gravelly sandstone (thin)								
2490		2500	10	Gravelly sandstone (thin)								
2500		2510	10	Gravelly sandstone (thin)								
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2600		2610	10	Gravelly sandstone (thin)								
2610		2620	10	Gravelly sandstone (thin)								
2620		2630	10	Gravelly sandstone (thin)								
2630		2640	10									

FORMATION RECORD—Continued