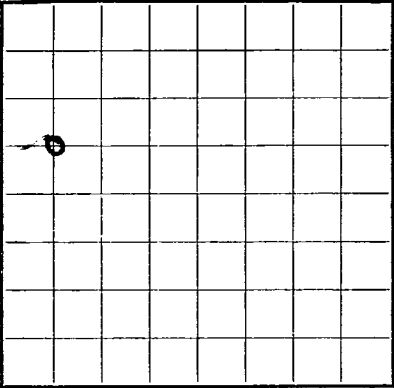




U. S. LAND OFFICE Las Cruces
SERIAL NUMBER LC 062407
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Western Development Company Address P. O. Box 427, Artesia, N. M.
Lessor or Tract Leonard Federal of Delaware Field Grayburg-Jackson State New Mexico
Well No. 2 Sec. 33 T. 17S R. 29E Meridian NMPM County Eddy
Location 1980 ft. N of N Line and 600 ft. E of W Line of Sec. 33 Elevation 3554'
(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 L. A. Hanson

Date September 23, 1958 Title Dist. Supt.

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

Commenced drilling August 3, 19 58 Finished drilling September 12, 19 58

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

No. 1, from 2670 to 2676 No. 4, from 2992 to 2997
No. 2, from 2690 to 2702 No. 5, from 3002 to 3008
No. 3, from 2958 to 2962 No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 130 to 140 No. 3, from _____ to _____
No. 2, from salt and gyp water 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>26#</u>	<u>8</u>	<u>CF&I</u>	<u>331'</u>	<u>Reg.</u>	<u>Not</u>			<u>Surface</u>
<u>5 1/2</u>	<u>14#</u>	<u>8</u>	<u>"</u>	<u>304.1'</u>	<u>Fleet</u>	<u>Not</u>	<u>2670</u>	<u>2676</u>	<u>Prod.</u>
							<u>2690</u>	<u>2702</u>	
							<u>2958</u>	<u>2962</u>	
							<u>2992</u>	<u>2997</u>	
							<u>3002</u>	<u>3008</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>331'</u>	<u>125</u>	<u>Pump</u>	<u>None</u>	<u>None</u>
<u>5 1/2</u>	<u>304.1'</u>	<u>125</u>	<u>"</u>	<u>"</u>	<u>"</u>

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SAND OIL FRACTURE ~~SHOOTING~~ RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		<u>500 gals. mud acid,</u>	<u>26,530 gals. crude,</u>		<u>15,000'</u>	<u>sand</u>

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 304.1 feet, and from _____ feet to _____ feet

DATES

September 23, 19 58 Put to producing September 22, 19 58

The production for the first 24 hours was 240 barrels of fluid of which 100% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. 35.9°

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Charles Lamb, Driller Harve Bellar, Driller
Paul Hegwer, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>130</u>	<u>130</u>	<u>Red Bed</u>
<u>130</u>	<u>140</u>	<u>10</u>	<u>Sand and gravel</u>
<u>140</u>	<u>166</u>	<u>26</u>	<u>Red Bed</u>
<u>166</u>	<u>171</u>	<u>5</u>	<u>Gravel</u>
<u>171</u>	<u>300</u>	<u>129</u>	<u>Anhy. and shale</u>
<u>300</u>	<u>690</u>	<u>390</u>	<u>Salt</u>
<u>690</u>	<u>700</u>	<u>10</u>	<u>Anhy and salt</u>
<u>700</u>	<u>725</u>	<u>25</u>	<u>Anhy.</u>
<u>725</u>	<u>740</u>	<u>15</u>	<u>Anhy. and red shale</u>
<u>740</u>	<u>805</u>	<u>65</u>	<u>Anhy.</u>
<u>805</u>	<u>870</u>	<u>65</u>	<u>Anhy. and red sand</u>
<u>870</u>	<u>920</u>	<u>50</u>	<u>Red sand, some anhy.</u>
<u>920</u>	<u>935</u>	<u>15</u>	<u>Red sand</u>
<u>935</u>	<u>1030</u>	<u>95</u>	<u>Red sand, anhy., little red shale</u>
<u>1030</u>	<u>1045</u>	<u>15</u>	<u>Anhy.</u>
<u>1045</u>	<u>1115</u>	<u>70</u>	<u>Anhy. and dolomite</u>
<u>1115</u>	<u>1140</u>	<u>25</u>	<u>Anhy., dolomite, red shale</u>
<u>1140</u>	<u>1155</u>	<u>15</u>	<u>Dolomite and sand, mostly grey</u>
<u>1155</u>	<u>1355</u>	<u>200</u>	<u>Anhy. and dolomite</u>
<u>1355</u>	<u>1390</u>	<u>35</u>	<u>Anhy.</u>
<u>1390</u>	<u>1410</u>	<u>20</u>	<u>Anhy. and red sand</u>
<u>1410</u>	<u>1550</u>	<u>140</u>	<u>Anhy., a little dolomite</u>
<u>1550</u>	<u>1660</u>	<u>110</u>	<u>Anhy., red sand, a little red shale</u>
<u>1660</u>	<u>1790</u>	<u>130</u>	<u>Anhy.</u>
<u>1790</u>	<u>1880</u>	<u>90</u>	<u>Anhy. and red and grey shale</u>

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
1880	1910	30	Any. and red sand
1910	2055	145	Any., some dolomite and red sand
2055	2070	15	Gray sand
2070	2245	175	Red sand and anhy.
2245	2315	70	Dolomite, some pink, and red sand
2315	2365	50	Dolomite
2365	2420	55	Dolomite and gray sand
2420	2515	95	Dolomite and little gray sand
2515	2650	135	Dolomite and gray sand
2650	2717	67	Pink dolomite and red and gray sand
2717	2722	5	Dolomite and red sand
2722	2855	133	Dolomite
2855	2900	45	Dolomite little gray sand
2900	3041	141	Dolomite
TOPS:			
			T. X. ---
			B. X. ---
			T. Queen ---
			T. CB. ---
			T. S.A. ---
			T. Lov. Sd. ---
			300'
			690'
			1680'
			2320'
			2717'
			2860'

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 "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 to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL