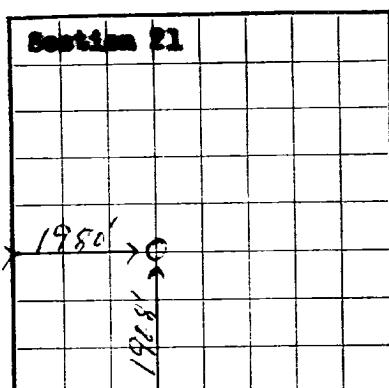


Hobbs, New Mexico
U. S. LAND OFFICE
SERIAL NUMBER 058677-A
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Lone Star Producing Company Address Box 4815, Midland, Texas
Lessor or Tract _____ Field South Prairie Penn State New Mexico
Well No. W-2 Sec. 21 T. 8S R. 36E Meridian 102W County Roosevelt
Location 1980 ft. N. of 8 Line and 1521 ft. E. of W. Line of Section 21 Elevation 4,108.4 Gr.
(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 E. C. WatsonDate January 24, 1961Title Sr. Foreman (Production)

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

Commenced drilling November 30, 19 60 Finished drilling January 15, 19 61

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 9,681' to 9,700' 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>13-3/8"</u>	<u>48</u>	<u>8rd</u>	<u>API</u>	<u>427'</u>	<u>Latkin</u>	<u>---</u>			
<u>9-5/8"</u>	<u>32.30</u>	<u>8rd</u>	<u>Pitts.</u>	<u>4,282'</u>	<u>Latkin</u>	<u>---</u>			
<u>7"</u>	<u>23.026</u>	<u>8rd</u>	<u>API</u>	<u>9,751'</u>	<u>Latkin</u>	<u>---</u>	<u>9,681'</u>	<u>9,695'</u>	<u>Completion</u>
<u>2-3/8"</u>	<u>4.70</u>	<u>8rd</u>	<u>Pitts.</u>	<u>9,694'</u>					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>13-3/8"</u>	<u>427'</u>	<u>400 sacks (circulated)</u>	<u>Pump plug</u>		
<u>9-5/8"</u>	<u>4,282'</u>	<u>1905 sacks (circulated)</u>	<u>Pump plug</u>		
<u>7"</u>	<u>9,751'</u>	<u>600 sacks</u>	<u>Top of cement behind 7" O.D. 7,100 feet.</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 _____ feet to 9,753 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 501.77 barrels of fluid of which 100% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. 10.9

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
Raymond Boer _____, Driller J. K. Foster _____, Driller
R. D. Jacey, Jr. _____, Driller A. C. Roper _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0'</u>	<u>50'</u>	<u>50'</u>	<u>Caliche</u>
<u>50'</u>	<u>230'</u>	<u>180'</u>	<u>Caliche, Shale & Sand</u>
<u>230'</u>	<u>2,177'</u>	<u>1,947'</u>	<u>Red Bed, Sand, Shale & Shells</u>
<u>2,177'</u>	<u>2,321'</u>	<u>144'</u>	<u>Red Bed, Anhydrite, Salt & Gyp</u>
<u>2,321'</u>	<u>4,047'</u>	<u>1,726'</u>	<u>Anhydrite, Salt & Gyp</u>
<u>4,047'</u>	<u>4,412'</u>	<u>365'</u>	<u>Anhydrite, Lime, Gyp, Dolomite</u>
<u>4,412'</u>	<u>4,533'</u>	<u>121'</u>	<u>Anhydrite, Lime & Shale</u>
<u>4,533'</u>	<u>4,694'</u>	<u>161'</u>	<u>Dolomite, Sand & Shale</u>
<u>4,694'</u>	<u>8,198'</u>	<u>3,504'</u>	<u>Lime, Sand & Shale</u>
<u>8,198'</u>	<u>8,715'</u>	<u>517'</u>	<u>Anhydrite & Shale</u>
<u>8,715'</u>	<u>8,907'</u>	<u>192'</u>	<u>Anhydrite, Shale & Lime</u>
<u>8,907'</u>	<u>9,116'</u>	<u>209'</u>	<u>Lime, Chert & Shale</u>
<u>9,116'</u>	<u>9,753'</u>	<u>637'</u>	<u>Lime, Shale & Sand</u>
	<u>T.D.</u>		

(OVER)

SECRET

LEWIS TO EDGAR 241 200 300

(2) 50, 520, 540, 560

[illegible]

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

U. S. GOVERNMENT PRINTING OFFICE

FROM-	TO-	TOTAL FEET	FORMATION
			1. 0-10' Sandstone, medium to coarse grained, brownish gray, massive, slightly indurated, contains small pebbles of quartz and chert. 2. 10-20' Sandstone, medium to coarse grained, brownish gray, massive, slightly indurated, contains small pebbles of quartz and chert. 3. 20-30' Sandstone, medium to coarse grained, brownish gray, massive, slightly indurated, contains small pebbles of quartz and chert. 4. 30-40' Sandstone, medium to coarse grained, brownish gray, massive, slightly indurated, contains small pebbles of quartz and chert. 5. 40-50' Sandstone, medium to coarse grained, brownish gray, massive, slightly indurated, contains small pebbles of quartz and chert. 6. 50-60' Sandstone, medium to coarse grained, brownish gray, massive, slightly indurated, contains small pebbles of quartz and chert. 7. 60-70' Sandstone, medium to coarse grained, brownish gray, massive, slightly indurated, contains small pebbles of quartz and chert. 8. 70-80' Sandstone, medium to coarse grained, brownish gray, massive, slightly indurated, contains small pebbles of quartz and chert. 9. 80-90' Sandstone, medium to coarse grained, brownish gray, massive, slightly indurated, contains small pebbles of quartz and chert. 10. 90-100' Sandstone, medium to coarse grained, brownish gray, massive, slightly indurated, contains small pebbles of quartz and chert.