

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 029395 (b)
LEASE OR PERMIT TO PROSPECT _____
Mancil E. Turner

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Southern Production Company, Inc. Address Fort Worth National Bank Building
Fort Worth, Texas
Lessor or Tract Turner Field Grayburg-Jackson State New Mexico
Well No. 46-B Sec. 20 T. 17 R. 31 Meridian NEM County Eddy
Location 660 ft. N. of S. Line and 760 ft. E. of E. Line of Sec. 20 Elevation 2742
(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. E. Vandever

Date July 9, 1956 Title District Superintendent

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

Commenced drilling May 2, 1956 Finished drilling June 26, 1956

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2120 to 2125 No. 4, from 2000 to 2014
No. 2, from 2150 to 2156 No. 5, from 3205 to 3222
No. 3, from 2560 to 2572 No. 6, from 3355 to 3365

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>29</u>			<u>530</u>	<u>Regular</u>		<u>3208</u>	<u>3226</u>	<u>Treating</u>
<u>5-5/8</u>	<u>15.5</u>	<u>8</u>		<u>3449</u>	<u>Regular</u>				
EXCEPT FOR OIL OR GAS WELLS									

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>530</u>	<u>50</u>	<u>Plug</u>		
<u>5-5/8</u>	<u>3449</u>	<u>225</u>	<u>Plug</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>Casing perforated 6 holes per ft. and formation treated with 10,000 gal. oil and 15,000# 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 3449 feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing July 7, 1956

The production for the first 24 hours was 191 barrels of fluid of which 100% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

J. Eskue, Driller W. Slack, Driller
J. Hammond, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>505</u>	<u>505</u>	<u>Sand, caliche, red beds, & anhydrite</u>
<u>505</u>	<u>1425</u>	<u>920</u>	<u>Salt</u>
<u>1425</u>	<u>2120</u>	<u>695</u>	<u>Anhydrite</u>
<u>2120</u>	<u>2125</u>	<u>5</u>	<u>Dolomite - Seven Rivers</u>
<u>2125</u>	<u>2150</u>	<u>25</u>	<u>Anhydrite</u>
<u>2150</u>	<u>2156</u>	<u>6</u>	<u>Dolomite - Seven Rivers</u>
<u>2156</u>	<u>2540</u>	<u>384</u>	<u>Anhydrite</u>
<u>2540</u>	<u>2580</u>	<u>40</u>	<u>Red sand - Queen formation</u>
<u>2580</u>	<u>2908</u>	<u>328</u>	<u>Anhydrite & lime shells</u>
<u>2908</u>	<u>2980</u>	<u>72</u>	<u>Gray lime - Grayburg formation</u>
<u>2980</u>	<u>3014</u>	<u>34</u>	<u>Brown, sandy lime</u>
<u>3014</u>	<u>3130</u>	<u>116</u>	<u>Gray lime</u>
<u>3130</u>	<u>3203</u>	<u>73</u>	<u>White lime</u>
<u>3203</u>	<u>3222</u>	<u>19</u>	<u>Tan, sandy lime</u>
<u>3222</u>	<u>3320</u>	<u>98</u>	<u>Buff & tan sandy lime</u>
<u>3320</u>	<u>3355</u>	<u>35</u>	<u>White lime - San Andres formation</u>
<u>3355</u>	<u>3365</u>	<u>10</u>	<u>Tan, sandy lime</u>
<u>3365</u>	<u>3449</u>	<u>84</u>	<u>White lime - T.D.</u>

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

ESTATE CERTIFICATE
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

TOP OF OFFICE FOR NEW

Y-1708-1980 : 1980-1980

The following information was obtained from the records of the Federal Bureau of Investigation:

[REDACTED]

Signed,

[Signature]

Special Agent in Charge

100-110 60748 2/2 10 10 10

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

7-58003 07

SECRET - ATTACHED AND INDEXED

[illegible]