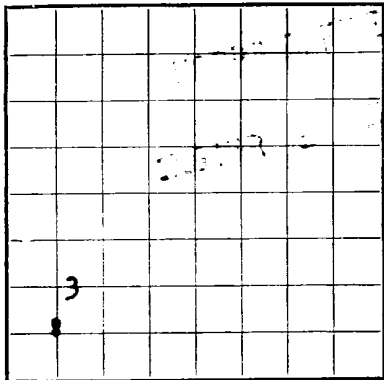


U.S. LAND OFFICE New Mexico
SERIAL NUMBER LC-069832-C
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Lion Oil Company Address P. O. Box 492, Snyder, Texas
Lessor or Tract Erwin Field S. Drickey Queen State New Mexico
Well No. 3 Sec. 5 T. 15 S. R. 31E Meridian NMPM County Chaves
Location 660 ft. N of S Line and 660.36 ft. E of W Line of Sec. 5 Elevation 4457
(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 J. H. Long

Date 3 - 4 - 55 Title Dist. Supt.

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

Commenced drilling 2 - 12, 19 55 Finished drilling 2 - 22, 19 55

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3110 to 3115 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 NONE ENCOUNTERED 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>10-3/4"</u>	<u>41#</u>	<u>8V</u>	<u>3110-45</u>	<u>Float</u>					<u>Surface</u>
<u>5-1/2"</u>	<u>5.5#</u>	<u>8rd</u>	<u>3110-32</u>	<u>Float Shoe</u>			<u>3110</u>	<u>3115</u>	<u>Oil String</u>
				<u>Float Collar</u>					
				<u>Stage Collar @ 2833.10'</u>					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>10-3/4"</u>	<u>325.40'</u>	<u>225</u>	<u>Displaced & Plug</u>		
<u>5-1/2"</u>	<u>3146.10'</u>	<u>625 w/3% Gel</u>	<u>n</u>	<u>n</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 3182 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

3 - 4 - 55, 19 55 Put to producing 2 - 26, 19 55

The production for the first 24 hours was 560 barrels of fluid of which 99.8 % was oil; _____ % emulsion; _____ % water; and .2 % sediment. Gravity, 38° API

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

Rock pressure, lbs. per sq. in. Unknown (* Based on 6 hr. test of 140 bbls.)

Jennings Drilling Company

EMPLOYEES

E. G. Holly, Driller J. M. Adams, Driller
Leo Koehn, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>22</u>	<u>22</u>	<u>Caliche</u>
<u>22</u>	<u>285</u>	<u>263</u>	<u>Sand, fine to med. with shale</u>
<u>285</u>	<u>1350</u>	<u>1065</u>	<u>Red shale with some sand & anhy.</u>
<u>1350</u>	<u>1400</u>	<u>50</u>	<u>Anhydrite</u>
<u>1400</u>	<u>1452</u>	<u>52</u>	<u>Red shale and sand</u>
<u>1452</u>	<u>2152</u>	<u>700</u>	<u>Salt with some anhy.</u>
<u>2152</u>	<u>2305</u>	<u>153</u>	<u>Anhy. with red shale and salt</u>
<u>2305</u>	<u>2458</u>	<u>153</u>	<u>Sand and shale with anhy.</u>
<u>2458</u>	<u>3107</u>	<u>649</u>	<u>Anhy. with dol., anhy., sand & red shale</u>
<u>3107</u>	<u>3128</u>	<u>21</u>	<u>Grey and red sand with anhy.</u>
<u>3128</u>	<u>3182</u>	<u>54</u>	<u>Anhy. with red shale and sand</u>
	<u>3182</u>		<u>Total Depth - Plug Back Total Depth 3129</u>

Attached: Copy of Sample Description and Copy of Inclination Survey.

HISTORY OF OIL OR GAS WELL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

ERWIN NO. 3

INCLINATION SURVEY

<u>DEGREE DEVIATION</u>	<u>DEPTH</u>
1/2	300'
1/4	602'
3/4	1300'
3/4	1353'
3/4	1600'
1-1/4	2130'
1-1/2	2428'
2	2635' Maximum
1-3/4	3042'

