

U. S. LAND OFFICE **064200**

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT  
**Federal**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Joseph I. O'Neill, Jr.** Address **410 W. Ohio, Midland, Texas**  
Lessor or Tract **Federal "D"** Field **Undesignated** State **New Mexico**  
Well No. **2** Sec. **12** T. **24S** R. **26E** Meridian **NMPM** County **Eddy**  
Location **660** ft. **N.** of **Line and 660** ft. **E.** of **Line of Sec. 12** Elevation **3244.2'**  
(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.

Date **10-13-58** Signed **Roy L. Blanton** Title **Prod. Clerk**

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

Commenced drilling **May 4**, 19**58** Finished drilling **September 1**, 19**58**

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **11,566** to **11,580-G** No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from **11,834** to **11,848-G** No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from **11,860** to **11,864-G** No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

**- NONE**

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--	
<b>13 3/8 48</b>			<b>ST&amp;C</b>	<b>291.97</b>					<b>Surface</b>
<b>9 5/8 40</b>			<b>595 N-80 8019.22</b>	<b>148.14</b>	<b>Washin</b>				<b>Intermediate string</b>
<b>5 1/2 20</b>			<b>LT&amp;C 1061.14</b>	<b>1061.14</b>	<b>Baker</b>		<b>11,566-80'</b>		<b>Oil string</b>
<b>5 1/2 17</b>			<b>LT&amp;C 7829.99</b>	<b>7829.99</b>			<b>11,834-48'</b>		
<b>5 1/2 17</b>			<b>Exline 1936.68</b>	<b>1936.68</b>			<b>11,860-64'</b>		

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<b>13 3/8</b>	<b>311.36</b>	<b>420</b>	<b>Pump</b>		<b>cement circulated</b>
<b>9 5/8</b>	<b>6796</b>	<b>1253</b>	<b>Pump</b>		<b>cement circulated</b>
<b>5 1/2</b>	<b>11,918.70</b>	<b>375</b>	<b>Pump</b>		<b>hole full</b>

## PLUGS AND ADAPTERS

Heaving plug—Material **none** Length \_\_\_\_\_ Depth set \_\_\_\_\_  
Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

## SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		<b>NONE</b>				

## TOOLS USED

Rotary tools were used from **0** feet to **11,920** 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 **2232** Gallons gasoline per 1,000 cu. ft. of gas **--**

Rock pressure, lbs. per sq. in. **4666**

## EMPLOYEES

**Carl B. King Drilling Co.** \_\_\_\_\_, Driller \_\_\_\_\_, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

## FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<b>0</b>	<b>550</b>	<b>550</b>	<b>Shale, anhydrite, salt</b>
<b>550</b>	<b>1120</b>	<b>570</b>	<b>Anhydrite</b>
<b>1120</b>	<b>1320</b>	<b>200</b>	<b>salt</b>
<b>1320</b>	<b>1440</b>	<b>120</b>	<b>anhydrite</b>
<b>1440</b>	<b>1650</b>	<b>210</b>	<b>salt</b>
<b>1650</b>	<b>1910</b>	<b>260</b>	<b>anhydrite</b>
<b>1910</b>	<b>2010</b>	<b>100</b>	<b>lime</b>
<b>2010</b>	<b>3750</b>	<b>1740</b>	<b>sand with lime stringers</b>
<b>3750</b>	<b>5350</b>	<b>1600</b>	<b>sand with lime and shale stringers</b>
<b>5350</b>	<b>5390</b>	<b>40</b>	<b>sand</b>
<b>5390</b>	<b>5430</b>	<b>40</b>	<b>sand, lime and shale</b>
<b>5430</b>	<b>5530</b>	<b>100</b>	<b>black lime, sand and black shale</b>
<b>5530</b>	<b>6200</b>	<b>670</b>	<b>lime</b>
<b>6200</b>	<b>6470</b>	<b>270</b>	<b>black lime and shale and sand</b>
<b>6470</b>	<b>7020</b>	<b>550</b>	<b>black lime</b>
<b>7020</b>	<b>7140</b>	<b>120</b>	<b>sand</b>
<b>7140</b>	<b>7190</b>	<b>50</b>	<b>black shale</b>
<b>7190</b>	<b>7520</b>	<b>330</b>	<b>limestone</b>
<b>7520</b>	<b>7920</b>	<b>400</b>	<b>lime and black shale</b>
<b>7920</b>	<b>7940</b>	<b>20</b>	<b>sand</b>
<b>7940</b>	<b>8400</b>	<b>460</b>	<b>lime and shale</b>
<b>8400</b>	<b>8800</b>	<b>400</b>	<b>sand with lime and shale</b>

(OVER)

16-43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
8800	10,600	1800	black lime and shale
10,600	10,740	140	tan lime
10,740	10,760	20	sand and lime
10,760	11,260	500	black lime and shale
11,260	11,380	120	lime and shale, sand
11,380	11,400	20	sand
11,400	11,560	160	sand, shale and lime
11,560	11,580	20	sand
11,580	11,680	100	shale and lime
11,680	11,705	25	sand
11,705	11,770	65	sand, shale and lime
11,770	11,880	110	sand
11,880	11,920	40	shale and lime
Top Devonian Sand		2009	
Top Bone Springs		5440	
Top Wolfcamp Sand		8370	
Top Strawn Lime		10,655	
Top Morrow		11,020	by Electric Log

HISTORY OF OIL OR GAS WELL

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.