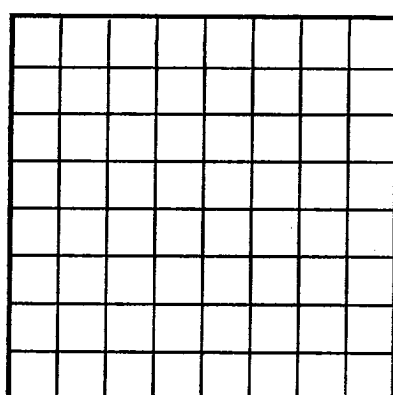


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 029548 -A
LEASE OR PERMIT TO PROSPECT _____

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company American Republics Corp. Address Box 547, Artesia, New Mexico
Lessor or Tract C. A. Russell Field Gray-Jackson State New Mexico
Well No. 4 Sec. 18 T. 17 R. 31 Meridian N. M. P. M. County Eddy
Location 44 ft. N of N Line and 44 ft. E of W Line of Section 18 Elevation 3774
(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 W. B. Macey
Title District SuperintendentDate 8/20/51

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

Commenced drilling May 25, 1929 Finished drilling August 21, 1929

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

G No. 1, from 2572 to 2577 No. 4, from 3278 to 3282
G No. 2, from 2890 to 2895 No. 5, from 3473 to 3533
O No. 3, from 3043 to 3047 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>15 1/2</u>	<u>50#</u>	<u>8</u>	<u>L</u>	<u>60'</u>	<u>Guide</u>				<u>Surface</u>
<u>12 1/2</u>	<u>53#</u>	<u>8</u>	<u>L</u>	<u>1399'</u>	<u>2943'</u>				
<u>10</u>	<u>43#</u>	<u>8</u>	<u>L</u>	<u>2943'</u>					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>15 1/2</u>	<u>60'</u>	<u>Landed</u>			
<u>12 1/2</u>	<u>538'</u>	<u>25 sacks</u>			
<u>10</u>	<u>1399'</u>	<u>30 sacks</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 _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 3537 feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing August 21, 1929
The production for the first 24 hours was 185 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

G. Jones, Driller _____, Driller
L. E. Neely, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>140</u>	<u>140</u>	<u>Shale</u>
<u>140</u>	<u>260</u>	<u>120</u>	<u>Shale & sand</u>
<u>260</u>	<u>460</u>	<u>200</u>	<u>Gyp</u>
<u>460</u>	<u>555</u>	<u>95</u>	<u>Anhydrite</u>
<u>555</u>	<u>1389</u>	<u>834</u>	<u>Salt</u>
<u>1389</u>	<u>1735</u>	<u>346</u>	<u>Shale & red beds</u>
<u>1735</u>	<u>1847</u>	<u>112</u>	<u>Lime & anhydrite</u>
<u>1847</u>	<u>2365</u>	<u>518</u>	<u>Lime & anhydrite</u>
<u>2365</u>	<u>2442</u>	<u>77</u>	<u>Red sand</u>
<u>2442</u>	<u>2718</u>	<u>276</u>	<u>Lime & anhydrite</u>
<u>2718</u>	<u>2730</u>	<u>12</u>	<u>Red sand</u>
<u>2730</u>	<u>3537</u>	<u>807</u>	<u>Gray lime.</u>

(OVER)

FORMATION RECORD—CONTINUED

