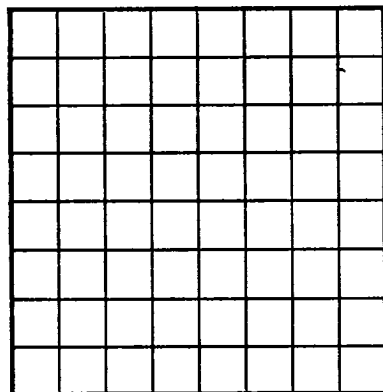


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 028775 B
LEASE OR PERMIT TO PROSPECT _____

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company American Republics Corp. Address 207 Garner Bldg., Artesia, N.M.
Lessor or Tract F. M. Robinson Field Gray-Jackson State New Mexico
Well No. 31-B Sec. 27 T. 17 R. 22 Meridian N.M.P.M. County Eddy
Location 2615 ft. {N.} of N. Line and 2615 ft. {E.} of W. Line of Section 27 Elevation 3538
(Denote 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 March 6, 1951

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

Commenced drilling January 1, 1951 Finished drilling February 24, 1951

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2760 to 2765 No. 4, from _____ to _____
No. 2, from 2775 to 2780 No. 5, from _____ to _____
No. 3, from 2830 to 2845 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—	
5/8	28	8	S	323	Texas				Surface
7/8	20	8	S	2683	Texas				Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
5/8	323	50	Pump & Plug		3 Sacks
7/8	2683	100	Pump & Plug		3 Sacks

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 2877 feet, and from _____ feet to _____ feet

DATES

March 6, 1951 Put to producing March 5, 1951
The production for the first 24 hours was 124 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 36.0 API
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

H. J. Whitaker, Driller V. A. Lane, Driller
Leo Dodd, Driller Needham Drilling Company, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	50	50	Sand
50	105	55	Anhydrite
105	165	60	Red rock
165	185	20	Anhydrite
185	240	55	Red bed
240	250	10	Anhydrite
250	323	73	Salt
323	670	347	Salt and potash
670	1520	850	Anhydrite
1520	1530	10	Sandy shale
1530	1770	240	Anhydrite
1770	1786	16	Red sand
1786	1904	118	Anhydrite
1904	1925	21	Anhydrite & lime shells
1925	1933	8	Lime
1933	1948	15	Anhydrite
1948	2064	116	Anhydrite & lime shells
2064	2091	27	Anhydrite
2091	2877	786	Lime

PLEASE OR PERMIT TO INSPECT
SERIAL NUMBER
U.S. LAND OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

A 10x10 grid of squares, used for graphing. The grid is composed of 10 columns and 10 rows of squares, totaling 100 squares. The grid is used for plotting the data from the table above.

LOCATE WELL CORRECTLY

Date _____ Title _____
 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 _____
 Location { S. } of _____ Line and { E. } of _____ Line of _____ Section _____ Township _____ Range _____ Meridian _____ County _____ State _____
 Well No. _____ Sec. _____ T. _____ R. _____
 Lessor or Trust _____
 Company _____
 Address _____
 Field _____ State _____

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

Commenced drilling _____, 1951. Finished drilling _____, 1951.

OIL OR GAS SANDS OR ZONES

(D) and (G)

[illegible]

Estimated Production Natural Gas RECORD 1/2/80

Perforated	Purpose		
<table border="1"> <tr> <td>From -</td> <td>To -</td> </tr> </table>	From -	To -	
From -	To -		

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. Changes were any changes made in the casing, state fully, and if any casing was "added back" 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 or shoring.

HISTORY OF OIL OR GAS WELL

MUDGING AND CEMENTING RECORD

NUDDING AND CEMENTING RECORD

NAME	Wife's age	Number and sex of children	Married date	Address
WILLIAM J. BROWN	35	2	1915	1234 5th St. N.W.
JOHN D. SMITH	40	3	1910	567 8th St. S.W.
MARY E. JONES	38	1	1912	901 9th St. N.E.
CHARLES F. WHITE	42	4	1908	234 10th St. W.

PLUGS AND ADAPTERS

Having plug	Internal	Length	Depth set
		Size	

SHOOTING RECORD

[illegible]

TOOL USED	
1. Sledge Hammer	
2. Pickaxe	
3. Shovel	
4. Crowbar	
5. Pry Bar	
6. Wrench	
7. Saw	
8. Drill	
9. Nail Driver	
10. Hammer	
11. Chisel	
12. Wire Cutters	
13. Pliers	
14. Screwdriver	
15. Trowel	
16. Level	
17. Square	
18. Compass	
19. Protractor	
20. Tape Measure	
21. String Line	
22. Plumb Line	
23. Spirit Level	
24. Transit	
25. Theodolite	
26. Surveying Instrument	
27. Tripod	
28. Tripod Stand	
29. Tripod Mount	
30. Tripod Head	
31. Tripod Base	
32. Tripod Legs	
33. Tripod Joint	
34. Tripod Bracket	
35. Tripod Clamp	
36. Tripod Lock	
37. Tripod Release	
38. Tripod Stop	
39. Tripod Pin	
40. Tripod Nut	
41. Tripod Washer	
42. Tripod Seal	
43. Tripod Gasket	
44. Tripod O-ring	
45. Tripod Bolt	
46. Tripod Screws	
47. Tripod Nuts	
48. Tripod Washers	
49. Tripod Seals	
50. Tripod Gaskets	
51. Tripod O-rings	
52. Tripod Bolts	
53. Tripod Screws	
54. Tripod Nuts	
55. Tripod Washers	
56. Tripod Seals	
57. Tripod Gaskets	
58. Tripod O-rings	
59. Tripod Bolts	
60. Tripod Screws	
61. Tripod Nuts	
62. Tripod Washers	
63. Tripod Seals	
64. Tripod Gaskets	
65. Tripod O-rings	
66. Tripod Bolts	
67. Tripod Screws	
68. Tripod Nuts	
69. Tripod Washers	
70. Tripod Seals	
71. Tripod Gaskets	
72. Tripod O-rings	
73. Tripod Bolts	
74. Tripod Screws	
75. Tripod Nuts	
76. Tripod Washers	
77. Tripod Seals	
78. Tripod Gaskets	
79. Tripod O-rings	
80. Tripod Bolts	
81. Tripod Screws	
82. Tripod Nuts	
83. Tripod Washers	
84. Tripod Seals	
85. Tripod Gaskets	
86. Tripod O-rings	
87. Tripod Bolts	
88. Tripod Screws	
89. Tripod Nuts	
90. Tripod Washers	
91. Tripod Seals	
92. Tripod Gaskets	
93. Tripod O-rings	
94. Tripod Bolts	
95. Tripod Screws	
96. Tripod Nuts	
97. Tripod Washers	
98. Tripod Seals	
99. Tripod Gaskets	
100. Tripod O-rings	

feet to	feet, and from	feet to	feet, and from
feet to	feet, and from	feet to	feet, and from

DATE

It was well on the 24 hours emulsion; % water and % sediment	The production for the first 24 hours was	Put to producing
Gallons gasoline per 1,000 cu. ft. of gas Gravity, °Be	barrels of fluid of which % was oil:	19

EMPLOYEES

Driller	_____
Driller	_____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
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1. The first part of the document is a list of names and addresses, which are arranged in two columns. The names are written in a cursive script, and the addresses are written in a more formal, printed style. The list includes names such as "John Smith", "Mary Jones", and "Robert Brown", along with their respective addresses in various parts of the city.

2. The second part of the document is a list of names and addresses, which are arranged in two columns. The names are written in a cursive script, and the addresses are written in a more formal, printed style. The list includes names such as "John Smith", "Mary Jones", and "Robert Brown", along with their respective addresses in various parts of the city.

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FORMATION RECORD—Continued

FORMATION

6890