

LA CRUCION

U. S. LAND OFFICE -- 029548

SERIAL NUMBER _____

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company American Republics Corp. Address P. O. Box 547, Artesia, N.M.
Lessor or Tract C. A. Russell Field Grayburg-Jack. State New Mexico
Well No. 10 Sec. 18 T. 17 R. 31 Meridian N.M.P.M. County Eddy
Location 2200 ft. $\left\{ \begin{array}{c} N \\ S \end{array} \right\}$ of N Line and 2665 ft. $\left\{ \begin{array}{c} E \\ W \end{array} \right\}$ of E Line of Section 18 Elevation 3746

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 _____

Date **February 13, 1950** Title **Engineer**

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

Commenced drilling December 11, 1949 Finished drilling January 25, 1950

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

(Delete gas by G)

No. 1, from <u>3343</u> to <u>3361</u>	No. 4, from _____ to _____
No. 2, from <u>3415</u> to <u>3430</u>	No. 5, from _____ to _____
No. 3, from <u>3440</u> to <u>3510</u>	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

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	612	50	Pump & Plug		3 Sacks
7	3280	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 3570 feet, and from _____ feet to _____ feet

DATES

February 13, 1950 Put to producing February 5, 1950
The production for the first 24 hours was 77.28 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravitv. °Bé 37.1

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES

EMPLOYEES

Leo Dodd	Driller	E. F. Balliew	Driller
H. T. Marshall	Driller	Needham Drilling Company	Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	5	5	Cellar
5	10	5	Caliche
10	25	15	Sandy Shale
25	95	70	Red Bed
95	120	25	Gyp
120	190	70	Red Rock
190	205	15	Grey Sand
205	264	59	Sand
264	340	76	Red Bed
340	365	25	Anhydrite
365	385	20	Red Bed
385	465	80	Anhydrite
465	489	24	Red Bed
489	540	51	Red Bed & Gyp Shells
540	735	195	Salt
735	760	25	Salt & Potash Anhydrite
760	800	40	Salt & Potash
800	1285	485	Salt
1285	2378	1093	Anhydrite
2378	2391	13	Red Sand
2391	2478	87	Anhydrite
2478	2482	4	Lime
2482	2548	66	Anhydrite
2548	2575	27	Anhydrite & Lime Shells
	2655	80	Anhydrite
	2670	15	Sand

19. $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

Markers:	Top of Salt	540
	Base of Salt	1285
	Top of Red Sand	2370
	Top of San Andres	3080
	Top of Lovington Sand	3205

FOLD MARK

16-43094-1 U. S. GOVERNMENT PRINTING OFFICE

Order #	Order Date	Order Description	Status	Amount	Date of Recd	Our and Budget Item	Flow		Balance
							From	To	
							Reconciled		

011 May

(Dewore 207 92 1)

1980

The information given below is a composite and correct record of the men and all work done thereon

NAME: _____

Candidate _____ Address _____

ГОС ОЕ ОИГ ОБ САЗ МЕГГ

GEOLOGICAL SURVEY

LEAVE ON DEPT. JO. BUREAU

SECRET LABELS -----

CONFIDENTIAL OFFICE