Form 9-330

Budget Bureau No. 42-R355.1.
Approval expires 11-30-49.

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

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-015-08220

LOG OF OIL OR GAS WELL

Company American Republics Corp. Formerly Republic Production Company Address Artesia, New Mexico

Lessor or Tract Russell Field Jackson State New Mexico

Well No. 7 Sec. 18 T. 17 R. 31 Meridian N M P M County Eddy

Location 1650 ft. {N./S.} of N Line and 1384 ft. {E./W.} of W Line of Section 18 Elevation _____ (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

Date May 21, 1937 Title Superintendent

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

Commenced drilling January 23, 1937 Finished drilling April 14, 1937

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from At 1960 to _____ No. 4, from 3360 to 3365 (G)

No. 2, from At 2920 to _____ No. 5, from 3440 to 3443

No. 3, from 3171 to 3177(G) No. 6, from 3454 to 3459

IMPORTANT WATER SANDS

No. 1, from 467 to 470 No. 3, from _____ to _____

No. 2, from 480 to 485 No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From	Perforated To	Purpose
8¼	x536	50							

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8¼	536	50	Halliburton		4 tons
7"	3176	100	"		

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
4½		Nitro-glycerine	40 qt	5/15/37	3530-20	3535
3	"	"	50 "	"	3420-70	"
4½	"	"	160 "	"	3470-3430	"

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

Cable tools were used from Surface feet to 3535 feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing April 16, 1937

The production for the first 24 hours was 62 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

Tom James, Driller H. I. Wise, Driller

K. B. Swanbert, Driller _____, Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	35	35	Caliche
35	290	255	Red beds
290	325	35	Gyp & red beds
325	430	105	Gyp
430	485	55	Gyp & red beds Wtr. 467-70
485	520	35	Red beds Wtr. 480-85
520	536	16	Red beds & anhydrite
536	561	25	Red beds
561	605	44	Red beds & salt
605	720	115	Salt
720	1320	600	Salt
1320	1535	215	Anhydrite
1535	1595	60	Anhydrite & red bed
1595	1620	25	Anhydrite
1620	1650	30	Anhydrite & red beds
1650	1680	30	Gyp & anhydrite
1680	1755	75	Anhydrite
1755	1780	25	Anhydrite & red bed
1780	1805	25	Broken shale & anhydrite
1805	1830	25	Anhydrite & red bed
1830	1855	25	Anhydrite & shale
1855	1910	55	Anhydrite & lime
1910	1952	42	Anhydrite
1952	1995	28	Anhydrite & lime Show Oil 1960

FROM— TO— TOTAL FEET FORMATION

(OVER)

16—43004-2

FORMATION RECORD—Continued

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
1995	2015	20	Anhydrite
2015	2065	50	Lime & anhydrite
2065	2080	15	Anhydrite
2080	2100	20	Anhydrite & lime
2100	2140	40	Anhydrite
2140	2160	20	Anhydrite & red shale
2160	2180	20	Anhydrite & red bed
2180	2200	20	Anhydrite
2200	2220	20	Anhydrite & red shale
2220	2260	40	Anhydrite
2260	2280	20	Anhydrite & red shale
2280	2385	105	Anhydrite
2385	2415	30	Sand, red
2415	2465	50	Anhydrite
2465	2480	15	Anhydrite & red shale
2480	2495	15	Anhydrite & lime
2495	2540	45	Anhydrite
2540	2565	25	Lime
2565	2585	20	Anhydrite & red shale
2585	2640	55	Anhydrite
2640	2660	20	Anhydrite & shale
2660	2685	25	Anhydrite
2685	2695	10	Lime
2695	2715	20	Anhydrite
2715	2725	10	Anhydrite & red shale
2725	2745	20	Anhydrite
2745	2765	20	Anhydrite & red bed
2765	2961	196	Lime Small show O&G 2920
2961	3017	56	Lime, sandy show some oil
3017	3219	202	Lime, small gas increase 3171-77
3219	3247	28	Lime
3247	3255	8	Lime & blue shale
3255	3535	280	Lime Small show gas 3360-65

3535 Total Depth.

After hole was cleaned out to TD 3535 well was treated with 3000 gallons acid. After acid treatment tubing was swabbed for 12 hours and well put on pump. Well pumped sixty two barrels oil first 24 hours.