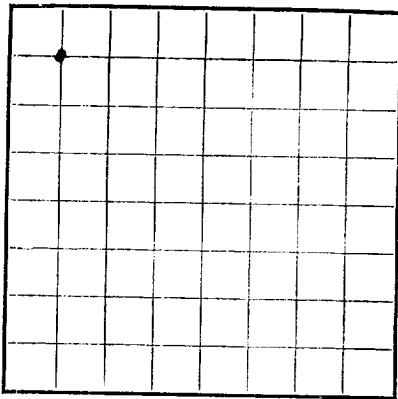


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 068747
LEASE OR PERMIT TO PROSPECT _____

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company AMERICAN REPUBLICS CORPORATION Address Box 547, Artesia, New Mexico
Lessor or Tract Federal Field No. Caprock Queen Ext. State New Mexico
Well No. 1-22 Sec. 22 T. 12S R. 32E Meridian NMPM County Lea
Location 660 ft. xxxx of N Line and 660 ft. xxxx of W Line of Sec. 22 Elevation 4359 (GL)
(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 January 27, 1955 Signed Cashair Title District Superintendent

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

Commenced drilling December 9, 1954 Finished drilling December 25, 1954

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3016 to 3031 No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ 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—	
8-5/8"	28 1/2	(New)		199.16					
5-1/2"	15 1/2			3077.00					
Perforated.....3016 to 3031									
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	199.16'	100 Sacks	Halliburton	W/6% Gel.	
5-1/2"	3077.00'	125 Sacks	Halliburton	W/6% Gel.	

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
(Treated well with 11,000 gallons of Dowell heavy oil and 20,000# of Sand.)						

TOOLS USED

Rotary tools were used from Surface feet to 3,080' TD feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing January 5, _____, 1955
The production for the first 24 hours was 72 barrels of fluid of which 100 % was oil; — %
emulsion; — % water; and — % sediment. Gravity, °Bé. 40°
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. D. Price _____, Driller J. R. Gray _____, Driller
P. G. Murph _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	36	36	Caliche
36	60	24	Line and Anhydrite
60	188	128	Red Beds and Anhydrite
188	600	412	Red Beds
600	1150	550	Red Beds and Anhydrite
1150	1286	136	Red Beds, Anhydrite and Blue Shale
1286	1450	164	Red Beds and Anhydrite
1450	2298	848	Anhydrite and Salt
2298	2405	107	Anhydrite, Potash and Salt
2405	2598	193	Anhydrite
2598	2620	22	Anhydrite and Red Beds
2620	2723	103	Anhydrite and Gyp
2723	3026	303	Anhydrite (Top of Pay 3015')
3026	3048	22	Dolomite, Sand and Red Beds
3048	3080	32	Dolomite, Red Beds and Salt
3080.....			TOTAL DEPTH (PB 3075')