

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 028775 B
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 Corpn. Address Box 547, Artesia, New Mexico
Lessor or Tract F. M. Robinson Field Grayburg-Keely State New Mexico
Well No. 21-E Sec. 27 T. 17S R. 29E Meridian NMPM County Eddy
Location 290 ft. {N.} of N. Line and 330 ft. {E.} of E. Line of Section 27 Elevation 3583
(Derriet 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 MaceyDate July 16, 1948Title Engineer

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

Commenced drilling April 25, 19 48 Finished drilling June 23, 19 48

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2684 to 93 No. 4, from _____ to _____
No. 2, from 2720 to 37 No. 5, from _____ to _____
No. 3, from 3278 to 3305 No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 190 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—	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8 1/2"</u>	<u>371</u>	<u>50</u>	<u>Halliburton</u>		
<u>7"</u>	<u>2655</u>	<u>100</u>	<u>"</u>		<u>4 sks</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 Surface feet to TD 3310 feet, and from _____ feet to _____ feet

DATES

_____, 19 _____ Put to producing July 1, 19 48The production for the first 24 hours was 117 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

Frewer Drilling Company, Driller _____, Driller
Contractor _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	20	20	Surface rock
20	100	80	Red rock
100	135	35	Red bed & gyp
135	175	40	Gyp
175	185	10	Red bed
185	255	70	Gyp & red rock
255	295	40	Red rock
295	695	400	Salt
695	720	25	Anhydrite
720	745	25	Grey shale
745	1215	470	Anhydrite
1215	1229	14	Lime & shells
1229	1784	555	Anhydrite
1784	1814	30	Red sand
1814	1915	101	Anhydrite
1915	1940	25	Anhydrite & lime & shells
1940	1960	20	Lime, grey
1960	2085	125	Anhydrite
2085	2111	26	Lime broken
2111	2124	13	Lime, grey
2124	2138	14	Anhydrite & lime shells
2138	2155	17	Broken lime
2155	2165	10	Anhydrite
2165	2179	14	Lime
2179	2207	28	Lime, grey
FROM—	TO—	TOTAL FEET	FORMATION

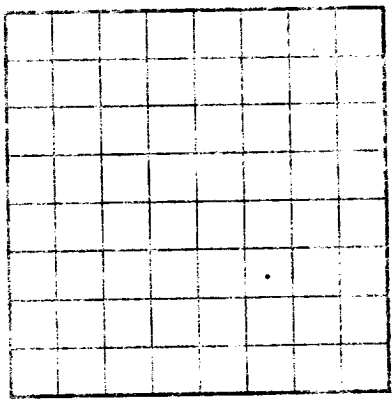
(OVER)

16-43094-2

LOGS BY LOG RECORD CO., INC.

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES



LOCATE WELL CORRECTLY

Company _____
Lessor or Trust _____
Well No. _____
Location _____ of _____ Line and _____ ft. _____ W. _____
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 _____
The summary on this page is for the condition of the well at above date
Commenced drilling _____, 19____
Finished drilling _____, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)
No. 1, from _____ to _____
No. 2, from _____ to _____
No. 3, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____
No. 2, from _____ to _____
No. 3, from _____ to _____
No. 4, from _____ to _____

CASING RECORD

Depth	Size	Kind of casing	Amount	Remarks
-------	------	----------------	--------	---------

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. If there were any changes made in the casing, state fully, and if any casing was "backed" 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.

HISTORY OF OIL OR GAS WELL

MUDDING AND CEMENTING RECORD			
Depth	Size	Kind of mud	Remarks
RODS AND ADAPTERS			
Depth	Size	Remarks	
SHOOTING RECORD			
Depth	Size	Remarks	
TOOLS USED			
Depth	Size	Remarks	
DATES			
Production for the first 24 hours was _____	Water and _____ sediment	It was well, out _____ per 24 hours	Rock pressure, lbs. per sq. in. _____
Barrels of fluid of which _____ % was oil: _____	Gravity, _____	Gallons gasoline per 1,000 cu. ft. of gas _____	
EMPLOYEES			
Driller _____	Driller _____	Driller _____	
FORMATION RECORD			
FORMATION	TOTAL FEET	TO	FROM
Time _____	477	2684	2207
Sandy lime	109	2693	2684
Time _____	1332	3025	2693
Brown lime	117	3036	3025
Time _____	1417	3053	3036
Brown lime	114	3067	3053
Time _____	2243	3310	3067
Red sand	1284	1295-695	3307
San Andres	12490		3307
Lovington	12583		3307
Well swabbed natural, approximately 10 BOPD, thru open 3". Treated :-			
500 gal. 3263-3310 after which swabbed 19 BOPD in 22 hours			
2000 "			
4000 "			
Above thru 3" tubing. Pulled 3" & ran 2". Lane Wells formation			
Packer set at 3249.			
FORMATION	TOTAL FEET	TO	FROM