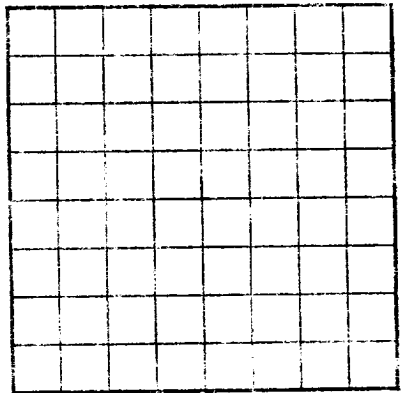




LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

U. S. LAND OFFICE
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT

Company American Republics Corp.
Lessor or Trust E. M. Johnson
Well No. 12 R. 22 Meridian
Location of N. Line and E. Line of Section 12 of T. 22 N. R. 22 E. of E. Line of Section 12 of T. 22 N. R. 22 E.
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 May 22, 1920
Signed J. O. Johnson
Title District Superintendent

The summary on this page is for the condition of the well at above date.
Commenced drilling April 1, 1920 Finished drilling May 1, 1920

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

Retreated with 500 gallons 3096-3210 Swabbed 2.30 BOPH
Retreated with 1500 gallons 3096-3210 Swabbed 2.94 BOPH
Retreated with 4000 gallons 3096-3210 Swabbed 8.3 BOPH
Retreated with 6000 gallons 3096-3210 Swabbed 6.67 BOPH
No. 1 from 3180 to 3210 No. 4 from 3210 to 3210
No. 2 from 3210 to 3210 No. 5 from 3210 to 3210

CASING RECORD

Oil Day 3120-3210
Amount Kind of shoe Cut and pulled from
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 "adjoined" 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 leaks, state kind of material used, position, and results of pumping or pulling.

HISTORY OF OIL OR GAS WELL

MUDDING AND CEMENTING RECORD

Number sacks of cement
Kind of mud
Amount of mud used
Plugs and Adapters
Length
Depth set

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 feet to feet and from feet to feet

DATES

The production for the first 24 hours was 111 barrels of fluid of which 88 was oil; Put to producing May 1, 1920
It gas well, cu. ft. per 24 hours 1000 cu. ft. of gas
Rock pressure, lbs. per sq. in.
Gravimetric analysis: 88% water; and 12% sediment

EMPLOYEES

Driller J. O. Johnson
Driller J. O. Johnson

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	0	0	Collar
1	1	1	Soil
14	14	14	1st bed
140	140	140	2nd bed
180	180	180	3rd bed
200	200	200	4th bed
250	250	250	5th bed
320	320	320	6th bed
420	420	420	7th bed
480	480	480	8th bed
500	500	500	9th bed
520	520	520	10th bed
540	540	540	11th bed
560	560	560	12th bed
580	580	580	13th bed
600	600	600	14th bed
620	620	620	15th bed
640	640	640	16th bed
660	660	660	17th bed
680	680	680	18th bed
700	700	700	19th bed
720	720	720	20th bed
740	740	740	21st bed
760	760	760	22nd bed
780	780	780	23rd bed
800	800	800	24th bed
820	820	820	25th bed
840	840	840	26th bed
860	860	860	27th bed
880	880	880	28th bed
900	900	900	29th bed
920	920	920	30th bed
940	940	940	31st bed
960	960	960	32nd bed
980	980	980	33rd bed
1000	1000	1000	34th bed
1020	1020	1020	35th bed
1040	1040	1040	36th bed
1060	1060	1060	37th bed
1080	1080	1080	38th bed
1100	1100	1100	39th bed
1120	1120	1120	40th bed
1140	1140	1140	41st bed
1160	1160	1160	42nd bed
1180	1180	1180	43rd bed
1200	1200	1200	44th bed
1220	1220	1220	45th bed
1240	1240	1240	46th bed
1260	1260	1260	47th bed
1280	1280	1280	48th bed
1300	1300	1300	49th bed
1320	1320	1320	50th bed
1340	1340	1340	51st bed
1360	1360	1360	52nd bed
1380	1380	1380	53rd bed
1400	1400	1400	54th bed
1420	1420	1420	55th bed
1440	1440	1440	56th bed
1460	1460	1460	57th bed
1480	1480	1480	58th bed
1500	1500	1500	59th bed
1520	1520	1520	60th bed
1540	1540	1540	61st bed
1560	1560	1560	62nd bed
1580	1580	1580	63rd bed
1600	1600	1600	64th bed
1620	1620	1620	65th bed
1640	1640	1640	66th bed
1660	1660	1660	67th bed
1680	1680	1680	68th bed
1700	1700	1700	69th bed
1720	1720	1720	70th bed
1740	1740	1740	71st bed
1760	1760	1760	72nd bed
1780	1780	1780	73rd bed
1800	1800	1800	74th bed
1820	1820	1820	75th bed
1840	1840	1840	76th bed
1860	1860	1860	77th bed
1880	1880	1880	78th bed
1900	1900	1900	79th bed
1920	1920	1920	80th bed
1940	1940	1940	81st bed
1960	1960	1960	82nd bed
1980	1980	1980	83rd bed
2000	2000	2000	84th bed
2020	2020	2020	85th bed
2040	2040	2040	86th bed
2060	2060	2060	87th bed
2080	2080	2080	88th bed
2100	2100	2100	89th bed
2120	2120	2120	90th bed
2140	2140	2140	91st bed
2160	2160	2160	92nd bed
2180	2180	2180	93rd bed
2200	2200	2200	94th bed
2220	2220	2220	95th bed
2240	2240	2240	96th bed
2260	2260	2260	97th bed
2280	2280	2280	98th bed
2300	2300	2300	99th bed
2320	2320	2320	100th bed