

U. S. LAND OFFICE Las Cruces

SERIAL NUMBER 029509

LEASE OR PERMIT TO PROSPECT Lease

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED

AUG 20 1951

CONSERVATION COMMISSION
W-685-OFFICE

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Maljamar Oil & Gas Corp. Address Artesia, New Mexico

Lessor or Tract M. E. Baish Field Baish State New Mexico

Well No. 4 Sec. 21 T. 17S R. 32E Meridian NMPM County Lea

Location 1650 ft. S. of N. Line and 330 ft. W. of E. Line of Sec. 21 Elevation 4005
(Derive from 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 February 22, 1935 Signed _____ Title _____

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

Commenced drilling Sept. 24, 1934 Finished drilling Jan. 17, 1935

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2285 to 2290 G No. 4, from 3084 to 3095 G

No. 2, from 2315 to 2330 O No. 5, from 3620 to 3632 G

No. 3, from 2440 to 2450 G No. 6, from 3842 to 3845 G & O

IMPORTANT WATER SANDS

No. 1, from 710 to 730 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—	
12 1/4	50	8	API	843	Texas				
10	40	8	API	2330	"	Pulled after running 8 1/2" pipe			
8 1/2	32	8	API	2050	"				
6-5/8	24	10	API	3555	"				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 1/2	2950	Mud to top of hole			
		Set 20 sks cement	Halliburton		
6-5/8	3555	20 sks cement	Halliburton		

PLUGS AND ADAPTERS

Heaving plug—Material none Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

Shot	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
Treated with 2000 gallons of acid by Dow, Inc.						

TOOLS USED

Rotary tools were used from 0 feet to 0 feet, and from _____ feet to _____ feet

Cable tools were used from 0 feet to 4093 feet, and from _____ feet to _____ feet

DATES

January 17, 1935 Put to producing Feb. 1, 1935

The production for the first 24 hours was 140 barrels of fluid of which 100 % was oil; _____ %

emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 36

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

L. E. Neely, Driller C. F. McGeorge, Driller

Frank Miller, Driller Glen Westall, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	55	55	gyp and red rock
55	90	35	red rock
90	105	15	gray and sandy
105	155	50	gray sand
155	160	5	lime shells
160	205	45	red shale, gritty
205	215	10	red shale
215	225	10	blue shale, soft
225	235	10	gyp, pink
235	250	15	red shale
250	260	10	brown shale
260	275	15	red shale, sticky
275	290	15	red shale, gritty
290	325	35	red shale and red rock, muddy
325	425	100	red rock
425	440	15	light color red rock
440	525	75	red rock
525	535	10	red sandy shale
535	560	25	red shale
560	572	12	gray sand
572	585	13	red rock
585	600	15	red sand, sharp
600	660	60	red sandy shale
660	690	30	sandy shale
690	710	20	red rock
710	730	20	sand 1 1/2 BWPH

(OVER)

FORMATION RECORD—CONTINUED

FORMATION RECORD—Continued

FORMATION	TOTAL FEET	TO-	FROM-
Red rock	35	765	730
Red bed	30	795	765
Gyp	25	820	795
Red rock	15	835	820
Gyp	8	843	835
Gyp Set 12 1/2"	22	865	843
Gray anhydrite	22	885	865
Anhydrite, hard	20	925	885
Anhydrite	40	930	925
Red bed	5	940	930
Anhydrite	10	945	940
Red bed	5	945	940
White salt	5	950	945
Red rock	10	960	950
Red rock	10	960	950
Salt	50	1010	960
Salt	25	1035	1010
Plum salt	38	1173	1035
Salt	12	1185	1173
Gyp	45	1230	1185
Salt and gyp	115	1475	1230
Salt	10	1485	1475
Gyp	10	1495	1485
Salt with anhydrite shells (hard)	50	1505	1495
Salt	10	1515	1505
Gyp, hard	10	1525	1515
Salt	5	1530	1525
Gyp and Iron	20	1550	1530
Salt	5	1555	1550
Salt	30	1585	1555
Salt & hydrite shells	60	1625	1585
Salt	10	1665	1625
Salt and gyp, hard	40	1690	1665
Salt, pink	25	1710	1690
Salt, white & hard	20	1710	1710
Salt, white & hard	40	1750	1710
Gyp and gyp	50	1800	1750
Salt	1800	1800	1800
Anhydrite and potash	16	1816	1800
Gypsum and potash	14	1830	1816
Salt, solid	40	1870	1830
Salt	80	1950	1870
Salt and gyp	10	1960	1950
Salt and gyp	20	1980	1960
hydrite	25	2005	1980
Anhydrite shells and slate	25	2040	2005
Red shale & hydrite shells	35	2070	2040
Gyp and lime	25	2090	2070
Anhydrite	45	2135	2090
Anhydrite	25	2160	2135
Anhydrite with red beds	25	2175	2160
Red sandy shale	15	2190	2175
Red beds	15	2195	2190
Anhydrite	5	2205	2195
Red sandy shale	10	2220	2205
Red shale & red sand shells	15	2240	2220
Hydrite	20	2250	2240
Red bed	10	2285	2250
Gray anhydrite	35	2290	2285
Gas sand (3/4 million feet)	5	2315	2290
Red anhydrite	25	2330	2315
Anhydrite (set 10" casing 2330)	15	2340	2330
Lime, hard (later pulled)	10	2375	2340
Anhydrite (30 bolts at 2330)	95	2450	2375
Sandy shale and anhydrite	15	2475	2450
Anhydrite & shale (1/2 mil. gas 2470-5)	42	2492	2475
Anhydrite	311	2803	2492
Anhydrite and shale	22	2825	2803
Red bed, anhydrite shells	20	2845	2825
Anhydrite, red bed	20	2865	2845

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 "undracked" 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

U. S. GOVERNMENT PRINTING OFFICE

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 "backchecked" 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.

11
27
37

29 - 10 Times Pink Eye
25 - 10 Little Buds
26 - 10 Little Buds

29	Time shell pink GYP
28	Time shell pink GYP
25	Time & hydrite and sand
25	Hydrite and GYP
30	Pink sandy shale
25	Sandstone & lime shells

29	Thin shelly pink gyp
28	Lime & hydrite band
27	Hydrite and gyp
26	Pink sandy shale
25	Sandy shale & lime shells
24	Hard lime
23	Sandy shale

Time	Location	Remarks
29	Time	Time
28	Time	Time
27	Time	Time
26	Time	Time
25	Time	Time
24	Time	Time
23	Time	Time
22	Time	Time
21	Time	Time
20	Time	Time
19	Time	Time
18	Time	Time
17	Time	Time
16	Time	Time
15	Time	Time
14	Time	Time
13	Time	Time
12	Time	Time
11	Time	Time
10	Time	Time
9	Time	Time
8	Time	Time
7	Time	Time
6	Time	Time
5	Time	Time
4	Time	Time
3	Time	Time
2	Time	Time
1	Time	Time

29	Thin shelled pink gyp
28	Thin & hydrite band
27	Hydrite and gyp
30	Pink sandy shale
25	Sandy shale & lime shells
15	Hard lime
17	Sandy lime
25	Gyp
95	Thin lime
65	Grey lime
12	Sand
47	Lime
33	Sandy white lime

29	Time & shells, pink gyp
28	Time & white sand
25	Hydrite and gyp
30	Pink sandy shale
25	Sandy shale & lime shells
15	Hard lime
15	Hard lime
15	Hard lime
15	Hard lime
25	Gyp
25	Gyp
95	Hard lime
65	Grey lime
12	Sand
41	Lime
22	Sandy white lime
49	Sandy lime, showing oil and gas at 37
26	Hard sandy lime

Time	Remarks
29	Time 10:15 AM Pink Gyp
28	Time 10:15 AM Pink Gyp
27	Time 10:15 AM Pink Gyp
26	Time 10:15 AM Pink Gyp
25	Time 10:15 AM Pink Gyp
24	Time 10:15 AM Pink Gyp
23	Time 10:15 AM Pink Gyp
22	Time 10:15 AM Pink Gyp
21	Time 10:15 AM Pink Gyp
20	Time 10:15 AM Pink Gyp
19	Time 10:15 AM Pink Gyp
18	Time 10:15 AM Pink Gyp
17	Time 10:15 AM Pink Gyp
16	Time 10:15 AM Pink Gyp
15	Time 10:15 AM Pink Gyp
14	Time 10:15 AM Pink Gyp
13	Time 10:15 AM Pink Gyp
12	Time 10:15 AM Pink Gyp
11	Time 10:15 AM Pink Gyp
10	Time 10:15 AM Pink Gyp
9	Time 10:15 AM Pink Gyp
8	Time 10:15 AM Pink Gyp
7	Time 10:15 AM Pink Gyp
6	Time 10:15 AM Pink Gyp
5	Time 10:15 AM Pink Gyp
4	Time 10:15 AM Pink Gyp
3	Time 10:15 AM Pink Gyp
2	Time 10:15 AM Pink Gyp
1	Time 10:15 AM Pink Gyp

Log of Core of Gas Wells - 1935

Time 29
Pink shale, pink gyp
Time 30
Pink sandy shale
Time 31
Pink sandy shale
Time 32
Sandy shale & lime shells
Time 33
Hard lime
Time 34
Sandy lime
Time 35
Gyp
Time 36
Gyp
Time 37
Gyp
Time 38
Gyp
Time 39
Gyp
Time 40
Gyp
Time 41
Gyp
Time 42
Gyp
Time 43
Gyp
Time 44
Gyp
Time 45
Gyp
Time 46
Gyp
Time 47
Gyp
Time 48
Gyp
Time 49
Gyp
Time 50
Gyp
Time 51
Gyp
Time 52
Gyp
Time 53
Gyp
Time 54
Gyp
Time 55
Gyp
Time 56
Gyp
Time 57
Gyp
Time 58
Gyp
Time 59
Gyp
Time 60
Gyp
Time 61
Gyp
Time 62
Gyp
Time 63
Gyp
Time 64
Gyp
Time 65
Gyp
Time 66
Gyp
Time 67
Gyp
Time 68
Gyp
Time 69
Gyp
Time 70
Gyp
Time 71
Gyp
Time 72
Gyp
Time 73
Gyp
Time 74
Gyp
Time 75
Gyp
Time 76
Gyp
Time 77
Gyp
Time 78
Gyp
Time 79
Gyp
Time 80
Gyp
Time 81
Gyp
Time 82
Gyp
Time 83
Gyp
Time 84
Gyp
Time 85
Gyp
Time 86
Gyp
Time 87
Gyp
Time 88
Gyp
Time 89
Gyp
Time 90
Gyp
Time 91
Gyp
Time 92
Gyp
Time 93
Gyp
Time 94
Gyp
Time 95
Gyp
Time 96
Gyp
Time 97
Gyp
Time 98
Gyp
Time 99
Gyp
Time 100
Gyp

29	Time shell pink gyp
28	Time & hydrite band
27	Hydrite and gyp
30	Pink sandy shale
25	Sandy shale & lime shells
15	Hard lime
15	Sandy lime
15	Gyp
95	Gray lime
65	Gray lime
12	Sand
41	Lime
22	Sandy white lime
46	Sandy lime, showing oil and gas at 37'
26	Hard sandy lime
10	Salty increase in gas
12	Time, softer.
Oil saver - well flowing	
(about 30 bbls. per day)	
gray time/light	
lime, dark gray	
lime, dark gray	
lime, gray	
GENERALITY OF THE INTERSECTION	

[illegible][illegible]

29 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

[illegible][illegible]

It is of the greatest importance to have the reasons for the work and its results "underlined" or left in the well, give its plugs or bridges were put in at shore.