

U. S. LAND OFFICE

SERIAL NUMBER Las Cruces
032511-A

LEASE OR PERMIT TO PROSPECT

P. J. Langlie A-2

(Corrected Copy)

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Stanolind Oil and Gas Company Address Box F, Hobbs, New Mexico
Lessor or Tract P. J. Langlie "A" Field Langlie State New Mexico
Well No. 2 Sec. 9 T. 25-S R. 37-E Meridian NMPM County Lea
Location 1980 ft. [N.] of S Line and 660 ft. [E.] of W Line of Section 9 Elevation 3160
(Denote gas by G)

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

Date March 4, 1938Title Field Superintendent

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

Commenced drilling September 21, 1937 Finished drilling October 31, 1937

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3415 to 3424 No. 4, from 3424 to 3430
No. 2, from 3424 to 3430 No. 5, from 3430 to 3435
No. 3, from 3435 to 3463 No. 6, from 3463 to 3463

IMPORTANT WATER SANDS

No. 1, from 3415 to 3424 No. 3, from 3424 to 3430
No. 2, from 3424 to 3430 No. 4, from 3430 to 3435

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From	To	
<u>13"</u>	<u>40</u>	<u>8</u>	<u>Beth C.</u>	<u>149</u>	<u>None</u>				
<u>8-5/8"</u>	<u>28</u>	<u>8</u>	<u>J & L</u>	<u>1161</u>	<u>Baker</u>				
<u>5-1/2"</u>	<u>17</u>	<u>10</u>	<u>Nat'l</u>	<u>3211</u>	<u>Baker</u>				
(Corrected Log)									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>13"</u>	<u>162</u>	<u>100 sacks</u>	<u>Halliburton Plug</u>	<u>11</u>	
			<u>Halliburton Plug</u>	<u>9 1/2</u>	
			<u>Halliburton Plug</u>	<u>11 1/2</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
	<u>(5) 4 1/2</u>	<u>S.N.G.</u>	<u>140</u>	<u>11-23</u>	<u>3416-3459'</u>	<u>3463</u>
				<u>37</u>		

TOOLS USED

Rotary tools were used from 0 feet to 3230 feet, and from _____ feet to _____ feet
Cable tools were used from 3230 feet to 3463 feet, and from _____ feet to _____ feet

DATES

Put to producing November 27, 1937

The production for the first 24 hours was 121 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

J. D. Whatley _____, Driller H. C. McCauley _____, Driller

Ray Morris _____, Driller L. Lochausen _____, Driller

Louis Theaux _____ F. L. Buck _____

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
<u>0</u>	<u>32</u>	<u>32</u>	<u>Caliche</u>
<u>32</u>	<u>120</u>	<u>92</u>	<u>Caliche and Red Beds T. Red Beds</u>
<u>120</u>	<u>875</u>	<u>755</u>	<u>Red Rock 800'-00</u>
<u>875</u>	<u>1106</u>	<u>231</u>	<u>Red Rock and Anhydrite</u>
<u>1106</u>	<u>1262</u>	<u>156</u>	<u>Anhydrite</u>
<u>1262</u>	<u>1273</u>	<u>11</u>	<u>Salt</u>
<u>1273</u>	<u>2765</u>	<u>1492</u>	<u>Salt and Anhydrite 1600'-00</u>
<u>2765</u>	<u>2808</u>	<u>43</u>	<u>Anhydrite and Br. Lime TBL 2765'</u>
<u>2808</u>	<u>3004</u>	<u>196</u>	<u>Brown Lime 120</u>
<u>3004</u>	<u>3270</u>	<u>266</u>	<u>Grey Lime (Some sdy Lime) 2800'-</u>
<u>3270</u>	<u>3276</u>	<u>6</u>	<u>Sandy Lime (Brown) 20</u>
<u>3276</u>	<u>3415</u>	<u>139</u>	<u>Grey Lime (Hard) 3000'-</u>
<u>3415</u>	<u>3424</u>	<u>9</u>	<u>Sand-Light-Show Oil & Gas 20</u>
<u>3424</u>	<u>3430</u>	<u>6</u>	<u>Sandy Lime - Oil Increase</u>
<u>3430</u>	<u>3452</u>	<u>22</u>	<u>Lime Hard SLM Corr. fr. 3435 1/2 to 3433</u>
<u>3452</u>	<u>3463</u>	<u>11</u>	<u>Sand - Hole filling w/oil.</u>
TD 3463 by SLM			

FORMATION RECORD CONTINUED

Company: Standard Oil Company of New Mexico
Lessor of Tract: S. J. Landis, Jr.
Well No.: 180
Location: 1/4 Sec. 10, T. 10N, R. 10E, S. 10E, Co. 10, N.M.
The information on this log is for use in the well only and should not be used for any other purpose.
Date: March 4, 1937
The summary on this log is for use in the well only and should not be used for any other purpose.
Commenced drilling: 1937
Completed December 1, 1937.
24 hr. test flowing on 1/16" choke, flowed 121 bbls oil, no water, 62,000 cu. ft. gas. Gas/oil ratio 512 cu. ft. per bbl. Test completed December 1, 1937.
Completion data:
No. 1 from 0 to 24 hrs. test.
Before shot 24 bbls/hr. After shot 121 bbls 24 hrs. test.
No. 1 from 0 to 24 hrs. test.
2 bbls. Well making about two bbls per hour.
9:29 to 10:20 - 12 1/2 bbls; 10:20 to 11:20 - 7 1/2 bbls; 11:20 to 12:20 - 2 1/2 bbls; 12:20 to 1:20 - 2 1/2 bbls; 1:20 to 2:20 - 2 bbls; 2:20 to 3:20 - 2 bbls.
Swabbing Test on 11-8-37: 8:20 to 9:20 - 17 1/2 bbls oil; 9:20 to 10:20 - 12 1/2 bbls; 10:20 to 11:20 - 7 1/2 bbls; 11:20 to 12:20 - 2 1/2 bbls; 12:20 to 1:20 - 2 1/2 bbls; 1:20 to 2:20 - 2 bbls; 2:20 to 3:20 - 2 bbls.

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 changed, of its size and location. If the well has been dynamited, give date, size, position, and number of shots. If pipes or bridges were put in the test for water, state kind of material used, position, and results of pumping or bailing.

FROM -	TO -	TOTAL FEET	FORMATION
3425	3400	25	Gravelly sandstone
3400	3375	25	Gravelly sandstone
3375	3350	25	Gravelly sandstone
3350	3325	25	Gravelly sandstone
3325	3300	25	Gravelly sandstone
3300	3275	25	Gravelly sandstone
3275	3250	25	Gravelly sandstone
3250	3225	25	Gravelly sandstone
3225	3200	25	Gravelly sandstone
3200	3175	25	Gravelly sandstone
3175	3150	25	Gravelly sandstone
3150	3125	25	Gravelly sandstone
3125	3100	25	Gravelly sandstone
3100	3075	25	Gravelly sandstone
3075	3050	25	Gravelly sandstone
3050	3025	25	Gravelly sandstone
3025	3000	25	Gravelly sandstone
3000	2975	25	Gravelly sandstone
2975	2950	25	Gravelly sandstone
2950	2925	25	Gravelly sandstone
2925	2900	25	Gravelly sandstone
2900	2875	25	Gravelly sandstone
2875	2850	25	Gravelly sandstone
2850	2825	25	Gravelly sandstone
2825	2800	25	Gravelly sandstone
2800	2775	25	Gravelly sandstone
2775	2750	25	Gravelly sandstone
2750	2725	25	Gravelly sandstone
2725	2700	25	Gravelly sandstone
2700	2675	25	Gravelly sandstone
2675	2650	25	Gravelly sandstone
2650	2625	25	Gravelly sandstone
2625	2600	25	Gravelly sandstone
2600	2575	25	Gravelly sandstone
2575	2550	25	Gravelly sandstone
2550	2525	25	Gravelly sandstone
2525	2500	25	Gravelly sandstone
2500	2475	25	Gravelly sandstone
2475	2450	25	Gravelly sandstone
2450	2425	25	Gravelly sandstone
2425	2400	25	Gravelly sandstone
2400	2375	25	Gravelly sandstone
2375	2350	25	Gravelly sandstone
2350	2325	25	Gravelly sandstone
2325	2300	25	Gravelly sandstone
2300	2275	25	Gravelly sandstone
2275	2250	25	Gravelly sandstone
2250	2225	25	Gravelly sandstone
2225	2200	25	Gravelly sandstone
2200	2175	25	Gravelly sandstone
2175	2150	25	Gravelly sandstone
2150	2125	25	Gravelly sandstone
2125	2100	25	Gravelly sandstone
2100	2075	25	Gravelly sandstone
2075	2050	25	Gravelly sandstone
2050	2025	25	Gravelly sandstone
2025	2000	25	Gravelly sandstone
2000	1975	25	Gravelly sandstone
1975	1950	25	Gravelly sandstone
1950	1925	25	Gravelly sandstone
1925	1900	25	Gravelly sandstone
1900	1875	25	Gravelly sandstone
1875	1850	25	Gravelly sandstone
1850	1825	25	Gravelly sandstone
1825	1800	25	Gravelly sandstone
1800	1775	25	Gravelly sandstone
1775	1750	25	Gravelly sandstone
1750	1725	25	Gravelly sandstone
1725	1700	25	Gravelly sandstone
1700	1675	25	Gravelly sandstone
1675	1650	25	Gravelly sandstone
1650	1625	25	Gravelly sandstone
1625	1600	25	Gravelly sandstone
1600	1575	25	Gravelly sandstone
1575	1550	25	Gravelly sandstone
1550	1525	25	Gravelly sandstone
1525	1500	25	Gravelly sandstone
1500	1475	25	Gravelly sandstone
1475	1450	25	Gravelly sandstone
1450	1425	25	Gravelly sandstone
1425	1400	25	Gravelly sandstone
1400	1375	25	Gravelly sandstone
1375	1350	25	Gravelly sandstone
1350	1325	25	Gravelly sandstone
1325	1300	25	Gravelly sandstone
1300	1275	25	Gravelly sandstone
1275	1250	25	Gravelly sandstone
1250	1225	25	Gravelly sandstone
1225	1200	25	Gravelly sandstone
1200	1175	25	Gravelly sandstone
1175	1150	25	Gravelly sandstone
1150	1125	25	Gravelly sandstone
1125	1100	25	Gravelly sandstone
1100	1075	25	Gravelly sandstone
1075	1050	25	Gravelly sandstone
1050	1025	25	Gravelly sandstone
1025	1000	25	Gravelly sandstone
1000	975	25	Gravelly sandstone
975	950	25	Gravelly sandstone
950	925	25	Gravelly sandstone
925	900	25	Gravelly sandstone
900	875	25	Gravelly sandstone
875	850	25	Gravelly sandstone
850	825	25	Gravelly sandstone
825	800	25	Gravelly sandstone
800	775	25	Gravelly sandstone
775	750	25	Gravelly sandstone
750	725	25	Gravelly sandstone
725	700	25	Gravelly sandstone
700	675	25	Gravelly sandstone
675	650	25	Gravelly sandstone
650	625	25	Gravelly sandstone
625	600	25	Gravelly sandstone
600	575	25	Gravelly sandstone
575	550	25	Gravelly sandstone
550	525	25	Gravelly sandstone
525	500	25	Gravelly sandstone
500	475	25	Gravelly sandstone
475	450	25	Gravelly sandstone
450	425	25	Gravelly sandstone
425	400	25	Gravelly sandstone
400	375	25	Gravelly sandstone
375	350	25	Gravelly sandstone
350	325	25	Gravelly sandstone
325	300	25	Gravelly sandstone
300	275	25	Gravelly sandstone
275	250	25	Gravelly sandstone
250	225	25	Gravelly sandstone
225	200	25	Gravelly sandstone
200	175	25	Gravelly sandstone
175	150	25	Gravelly sandstone
150	125	25	Gravelly sandstone
125	100	25	Gravelly sandstone
100	75	25	Gravelly sandstone
75	50	25	Gravelly sandstone
50	25	25	Gravelly sandstone
25	0	25	Gravelly sandstone