

C O P Y

U. S. LAND OFFICE Las Cruces

SERIAL NUMBER 054253

LEASE OR PERMIT TO PROSPECT **Lease**

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Continental Oil Company Address Box 427, Hobbs, New Mexico
 Lessor or Tract Brainard No. 3 Field Loco Hills State New Mexico
 Well No. 2 Sec. 3 T. 18 R. 29 Meridian N.M.P.M. County Lea
 Location 1650 ft. { N. } of S. Line and 990 ft. { E. } of E. Line of Sec. 3 Elevation 3506 GM

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 /s/ H. L. Johnston

Date May 24, 1940

Title

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

Commenced drilling 4-3-40, 1940 Finished drilling 5-4-40, 1940

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2618 to 2640 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. 2, from _____ to _____

No. 3, 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	8	SH LW	450'7"	Cement guide shoe				
7"	26#	8	New	234'1"	Double shoes & coal collar				
2"	4-30#	8	New	266'6"	Tubing set 2637				
				HIPLOSA OF OIL ON CVZ MEET					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	443	50	Halliburton		
7"	2532	200	"		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Shot	Shot used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
3 1/2"	Risonite	S.N.G.	150 qts	5-6-40	2608-2640	bottom

TOOLS USED

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

DATES

May 24, 1940 1940 Put to producing May 16, 1940 19
 2,400 flow 2008-2090 193 not acquired. 2,400 flow 2008-2090 193 not acquired.
 The production for the first 24 hours was 268 barrels of fluid, of which 100% was oil.

emulsion; ----- % water; and ----- % sediment.
 Gravity, °Bé. -----
 Gas well, cu. ft. per 24 hours ----- 734,000 -----
 Gallons gasoline per 1,000 cu. ft. of gas -----

EMPLOYEES

5302	5320	WPAqlips	WPAqlips
/a/ F. H. Gant	5313	Driller	/a/ Paris Davis K. R. Swanberg
5334	5343	Driller	WPAqlips
			Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
3360	3350		grey shale
3350	3340		grey shale
3340	3330		grey shale
3330	3323		grey shale
3323	3320		grey shale
3320	3310		grey shale
3310	3300		grey shale
3300	3290		grey shale
3290	3280		grey shale
3280	3270		grey shale
3270	3260		grey shale
3260	3250		grey shale
3250	3240		grey shale
3240	3230		grey shale
3230	3220		grey shale
3220	3210		grey shale
3210	3200		grey shale
3200	3190		grey shale
3190	3180		grey shale
3180	3170		grey shale
3170	3160		grey shale
3160	3150		grey shale
3150	3140		grey shale
3140	3130		grey shale
3130	3120		grey shale
3120	3110		grey shale
3110	3100		grey shale
3100	3090		grey shale
3090	3080		grey shale
3080	3070		grey shale
3070	3060		grey shale
3060	3050		grey shale
3050	3040		grey shale
3040	3030		grey shale
3030	3020		grey shale
3020	3010		grey shale
3010	3000		grey shale
3000	2990		grey shale
2990	2980		grey shale
2980	2970		grey shale
2970	2960		grey shale
2960	2950		grey shale
2950	2940		grey shale
2940	2930		grey shale
2930	2920		grey shale
2920	2910		grey shale
2910	2900		grey shale
2900	2890		grey shale
2890	2880		grey shale
2880	2870		grey shale
2870	2860		grey shale
2860	2850		grey shale
2850	2840		grey shale
2840	2830		grey shale
2830	2820		grey shale
2820	2810		grey shale
2810	2800		grey shale
2800	2790		grey shale
2790	2780		grey shale
2780	2770		grey shale
2770	2760		grey shale
2760	2750		grey shale
2750	2740		grey shale
2740	2730		grey shale
2730	2720		grey shale
2720	2710		grey shale
2710	2700		grey shale
2700	2690		grey shale
2690	2680		grey shale
2680	2670		grey shale
2670	2660		grey shale
2660	2650		grey shale
2650	2640		grey shale
2640	2630		grey shale
2630	2620		grey shale
2620	2610		grey shale
2610	2600		grey shale
2600	2590		grey shale
2590	2580		grey shale
2580	2570		grey shale
2570	2560		grey shale
2560	2550		grey shale
2550	2540		grey shale
2540	2530		grey shale
2530	2520		grey shale
2520	2510		grey shale
2510	2500		grey shale
2500	2490		grey shale
2490	2480		grey shale
2480	2470		grey shale
2470	2460		grey shale
2460	2450		grey shale
2450	2440		grey shale
2440	2430		grey shale
2430	2420		grey shale
2420	2410		grey shale
2410	2400		grey shale
2400	2390		grey shale
2390	2380		grey shale
2380	2370		grey shale
2370	2360		grey shale
2360	2350		grey shale
2350	2340		grey shale
2340	2330		grey shale
2330	2320		grey shale
2320	2310		grey shale
2310	2300		grey shale
2300	2290		grey shale
2290	2280		grey shale
2280	2270		grey shale
2270	2260		grey shale
2260	2250		grey shale
2250	2240		grey shale
2240	2230		grey shale
2230	2220		grey shale
2220	2210		grey shale
2210	2200		grey shale
2200	2190		grey shale
2190	2180		grey shale
2180	2170		grey shale
2170	2160		grey shale
2160	2150		grey shale
2150	2140		grey shale
2140	2130		grey shale
2130	2120		grey shale
2120	2110		grey shale
2110	2100		grey shale
2100	2090		grey shale
2090	2080		grey shale
2080	2070		grey shale
2070	2060		grey shale
2060	2050		grey shale
2050	2040		grey shale
2040	2030		grey shale
2030	2020		grey shale
2020	2010		grey shale
2010	2000		grey shale
2000	1990		grey shale
1990	1980		grey shale
1980	1970		grey shale
1970	1960		grey shale
1960	1950		grey shale
1950	1940		grey shale
1940	1930		grey shale
1930	1920		grey shale
1920	1910		grey shale
1910	1900		grey shale
1900	1890		grey shale
1890	1880		grey shale
1880	1870		grey shale
1870	1860		grey shale
1860	1850		grey shale
1850	1840		grey shale
1840	1830		grey shale
1830	1820		grey shale
1820	1810		grey shale
1810	1800		grey shale
1800	1790		grey shale
1790	1780		grey shale
1780	1770		grey shale
1770	1760		grey shale
1760	1750		grey shale
1750	1740		grey shale
1740	1730		grey shale
1730	1720		grey shale
1720	1710		grey shale
1710	1700		grey shale
1700	1690		grey shale
1690	1680		grey shale
1680	1670		grey shale
1670	1660		grey shale
1660	1650		grey shale
1650	1640		grey shale
1640	1630		grey shale
1630	1620		grey shale
1620	1610		grey shale
1610	1600		grey shale
1600	1590		grey shale
1590	1580		grey shale
1580	1570		grey shale
1570	1560		grey shale
1560	1550		grey shale
1550	1540		grey shale
1540	1530		grey shale
1530	1520		grey shale
1520	1510		grey shale
1510	1500		grey shale
1500	1490		grey shale
1490	1480		grey shale
1480	1470		grey shale
1470	1460		grey shale
1460	1450		grey shale
1450	1440		grey shale
1440	1430		grey shale
1430	1420		grey shale
1420	1410		grey shale
1410	1400		grey shale
1400	1390		grey shale
1390	1380		grey shale
1380	1370		grey shale
1370	1360		grey shale
1360	1350		grey shale
1350	1340		grey shale
1340	1330		grey shale
1330	1320		grey shale
1320	1310		grey shale
1310	1300		grey shale
1300	1290		grey shale
1290	1280		grey shale
1280	1270		grey shale
1270	1260		grey shale
1260	1250		grey shale
1250	1240		grey shale
1240	1230		grey shale
1230	1220		grey shale
1220	1210		grey shale
1210	1200		grey shale
1200	1190		grey shale
1190	1180		grey shale
1180	1170		grey shale
1170	1160		grey shale
1160	1150		grey shale
1150	1140		grey shale
1140	1130		grey shale
1130	1120		grey shale
1120	1110		grey shale
1110	1100		grey shale
1100	1090		grey shale
1090	1080		grey shale
1080	1070		grey shale
1070	1060		grey shale
1060	1050		grey shale
1050	1040		grey shale
1040	1030		grey shale
1030	1020		grey shale
1020	1010		grey shale
1010	1000		grey shale
1000	990		grey shale
990	980		grey shale
980	970		grey shale
970	960		grey shale
960	950		grey shale
950	940		grey shale
940	930		grey shale
930	920		grey shale
920	910		grey shale
910	900		grey shale
900	890		grey shale
890	880		grey shale
880	870		grey shale
870	860		grey shale
860	850		grey shale
850	840		grey shale
840	830		grey shale
830	820		grey shale
820	810		grey shale
810	800		grey shale
800	790		grey shale
790	780		grey shale
780	770		grey shale
770	760		grey shale
760	750		grey shale
750	740		grey shale
740	730		grey shale
730	720		grey shale
720	710		grey shale
710	700		grey shale
700	690		grey shale
690	680		grey shale
680	670		grey shale
670	660		grey shale
660	650		grey shale
650	640		grey shale
640	630		grey shale
630	620		grey shale
620	610		grey shale
610	600		grey shale
600	590		grey shale
590	580		grey shale
580	570		grey shale
570	560		grey shale
560	550		grey shale
550	540		grey shale
540	530		grey shale
530	520		grey shale
520	510		grey shale
510	500		grey shale
500	490		grey shale
490	480		grey shale
480	470		grey shale
470	460		grey shale
460	450		grey shale
450	440		grey shale
440	430		grey shale
430	420		grey shale
420	410		grey shale
410	400		grey shale
400	390		grey shale
390	380		grey shale
380	370		grey shale
370	360		grey shale
360	350		grey shale
350	340		grey shale
340	330		grey shale
330	320		grey shale
320	310		grey shale
310	300		grey shale
300	290		grey shale
290	280		grey shale
280	270		grey shale
270	260		grey shale
260	250		grey shale
250	240		grey shale
240	230		grey shale
230	220		grey shale
220	210		grey shale
210	200		grey shale
200	190		grey shale
190	180		grey shale
180	170		grey shale
170	160		grey shale
160	150		grey shale
150	140		grey shale
140	130		grey shale
130	120		grey shale
120	110		grey shale
110	100		grey shale
100	90		grey shale
90	80		grey shale
80	70		grey shale
70	60		grey shale
60	50		grey shale
50	40		grey shale
40	30		grey shale
30	20		grey shale
20	10		grey shale
10	0		grey shale

FROM—	TO—	TOTAL FEET	FORMATION
0	60	60	Red shale
60	130	130	Flow sand & gravel
130	155	155	Gravel & redbed
155	200	200	Sandy gyp
200	210	210	Gyp
210	260	260	Anhydrite
260	270	270	Redbed
270	275	275	Gyp
275	325	325	Redbed
325	385	385	Gyp & redbed
385	400	400	Redbed
400	423	423	Anhydrite
423	720	720	Salt
720	740	740	Anhydrite
740	890	890	Salt
890	1508	1508	Anhydrite
1508	1522	1522	Brown lime
1522	2115	2115	Anhydrite
2115	2155	2155	Red sand
2155	2160	2160	Anhydrite
2160	2180	2180	Brown lime
2180	2240	2240	Anhydrite
2240	2253	2253	Brown lime
2253	2280	2280	Anhydrite
2280	2297	2297	Gray lime
2297	2309	2309	Lime
2309	2324	2324	Anhydrite
2324	2337	2337	Lime
2337	2373	2373	Anhydrite
2373	2405	2405	Sandy lime
2405	2450	2450	Anhydrite
2450	2485	2485	Brown lime
2485	2630	2630	White sand
2630	2637	2637	Oil sand

Total depth 2640 ft. Sand and gravel 2618-2640 ft. Initial production 96 bbls. oil with 734 gal. gas in 3 hours thru 3/4" choke on 2" tubing with flow nipples.

5-16-40. Texas-New Mexico Pipe Line Co. connected and running top allowable effective 5-16-40. All measurements, except driller's log, are from ground level. Rtg. floor 2' above ground level.

DEPTH	FORMATION	REMARKS
0	Red shale	
60	Flow sand & gravel	
130	Gravel & redbed	
155	Sandy gyp	
200	Gyp	
210	Anhydrite	
260	Redbed	
270	Gyp	
275	Redbed	
325	Gyp & redbed	
385	Redbed	
400	Anhydrite	
423	Salt	
720	Anhydrite	
740	Salt	
890	Anhydrite	
1508	Anhydrite	
1522	Brown lime	
2115	Anhydrite	
2155	Red sand	
2160	Anhydrite	
2180	Brown lime	
2240	Anhydrite	
2253	Brown lime	
2280	Anhydrite	
2297	Gray lime	
2309	Lime	
2324	Anhydrite	
2337	Lime	
2373	Anhydrite	
2405	Sandy lime	
2450	Anhydrite	
2485	Brown lime	
2630	White sand	
2637	Oil sand	

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 casing were all replaced, state fully, and if any casing was "sidetracked," 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.

DATE	DESCRIPTION	REMARKS
5-16-40	Drilling	Initial production 96 bbls. oil with 734 gal. gas in 3 hours thru 3/4" choke on 2" tubing with flow nipples.
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Company Continental Oil Company
Address Box 437, Hobbs, New Mexico
State New Mexico
Location 1508 ft. of E. line of Sec. 31, T. 18 N. R. 22 E. S. 31, Hobbs, New Mexico
Elevation 3500 ft.
The information given herewith is a summary of the well and all work done on the well as far as can be determined from all available records.

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

UNITED STATES