

U. S. LAND OFFICE Las CrucesSERIAL NUMBER 050906

LEASE OR PERMIT TO PROSPECT

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MAR 10 1940

U. S. G.
ARTESIA, NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Underwood & Sanders Address Box 746, Artesia, N. M.Lessor or Tract _____ Field Loco Hills State New MexicoWell No. 1 Sec. 17 T18s R. 29E Meridian N. M. P. M. County EddyLocation 330 ft. (N.) of n Line and 330 ft. (E.) of W Line of Sec. 17 Elevation 3488 (Derrick 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 F. B. MarshallDate March 26, 1940Title Bookkeeper Supt

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

Commenced drilling Jan. 27, 1940, 19 _____ Finished drilling March 14, 1940, 19 _____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2542 to 2550 No. 4, from _____ to _____No. 2, from 2558 to 2562 No. 5, from _____ to _____

No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ 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—	
8 1/4"	28#		Lapweld	346'	Larkin				
7" OD									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 1/4"	346'	50	Halliburton		
7" OD	2300'	100	"		200 Sax

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
5 1/2"	tin	Glycerin	210 Qts	3/10	2565	Same

TOOLS USED

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

Cable tools were used from 0 feet to 2585 feet, and from _____ feet to _____ feet

DATES

_____, 19 _____ Put to producing March 25, 1940, 19 _____The production for the first 24 hours was 95 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

H. M. Marlow _____, Driller Ira Wiggins _____, Driller

K. M. Berentz _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	25		Caliche
25	75		Red Sand
75	200		Gyp
200	340		Red Rock
340	745		Salt
745	1045		Anhydrite
1045	1215		Red Rock
1215	1720		Anhydrite
1720	1760		Red Rock
1760	1875		Anhydrite & Red Rock
1875	1915		Red Rock
1915	1955		Broken Anhydrite
1955	2065		Red Sand
2065	2075		Anhydrite
2075	2095		Broken Lime
2095	2110		Brown Lime
2110	2125		Anhydrite
2125	2140		Red Rock
2140	2155		Lime & Anhydrite
2155	2170		Sandy Lime
2170	2185		Anhydrite
2185	2200		Brown Lime
2200	2215		Lime
2215	2230		White Lime
2230	2245		Lime
2245	2260		Brown Lime
2260	2275		White Lime

(OVER)

FORMATION RECORD—Continued

6-6745

LEASE OR PERMIT TO PROSPECT
SERIAL NUMBER 050908
U.S. LAND OFFICE Las Vegas

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company _____ Unirwood & Sanders
Lessor or Tract _____
Well No. 1 Sec. 17 T. 18 S. R. 32 E. Meridian N. M. T. & County Rddy
Location 230 ft. ~~8~~ of N. line and 230 ft. ~~8~~ E. of W. line of Sec. 17
Elevation _____
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 28, 1940
Title _____
The summary on this page is for the condition of the well at above date.
Commenced drilling Jan. 27, 1940 Finished drilling March 12, 1940

OIL OR GAS SANDS OR ZONES

(Derepte nat pu (G)

No. 1, from	3333	to	3333	No. 4, from	to
No. 2, from	3333	to	3333	No. 5, from	to
No. 3, from		to		No. 6, from	to

IMPORTANT WATER SANDS

to	from 1.0N	to	from 1.0N
to	from 8.0N	to	from 1.0N

CASING RECORD

Case	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From— To—	Purpose
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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 "backdrilled," left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If pumps or bridges were put into test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

MIDDLETOWN AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
"	348'	30	Miller		
"	300'	100	"		800 Gals

PLUGS AND ADAPTERS

Adapters—Material	Size	Length	Depth set
Heavy plug—Material			

SHOOTING RECORD

Serial	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
151	111	Hydramine	210 lbs 7 1/2	8-28-53		Same

TOOLS USED

Carpis tools were used from	0	feet to	3667	feet and from	
Rotary tools were used from		feet to		feet and from	

DATE

If gas well, at _____ ft. per 24 hours _____ cc sediment _____ cc water; and _____ cc sediment	The production for the first 24 hours was _____ cc barrels of fluid of which _____ cc was oil _____ cc water	Put in producing _____ March 22, 1940 _____
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EMPLOYEES

Driller	Mr. Higgins	Driller	Mr. J. J. J. J.
Driller	Mr. J. J. J. J.	Driller	Mr. J. J. J. J.

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	38		Caliche
38	78		Red Sand
78	300		Gyp
300	340		Red Rock
340	748		Salt
748	1048		Anhydrite
1048	1218		Red Rock
1218	1700		Anhydrite
1700	1760		Red Rock
1760	1878		Anhydrite & Red Rock
1878	1911		xxxx Broken Anhydrite
1911	1935		Red Sand
1935	2083		Anhydrite
2083	2095		Broken Lime
2095	2100		Broken Lime
2100	2105		Broken Lime
2105	2110		Broken Lime
2110	2115		Broken Lime
2115	2120		Broken Lime
2120	2125		Broken Lime
2125	2130		Broken Lime
2130	2135		Broken Lime
2135	2140		Broken Lime
2140	2145		Broken Lime
2145	2150		Broken Lime
2150	2155		Broken Lime
2155	2160		Broken Lime
2160	2165		Broken Lime
2165	2170		Broken Lime
2170	2175		Broken Lime
2175	2180		Broken Lime
2180	2185		Broken Lime
2185	2190		Broken Lime
2190	2195		Broken Lime
2195	2200		Broken Lime
2200	2205		Broken Lime
2205	2210		Broken Lime
2210	2215		Broken Lime
2215	2220		Broken Lime
2220	2225		Broken Lime
2225	2230		Broken Lime
2230	2235		Broken Lime
2235	2240		Broken Lime
2240	2245		Broken Lime
2245	2250		Broken Lime
2250	2255		Broken Lime
2255	2260		Broken Lime
2260	2265		Broken Lime
2265	2270		Broken Lime
2270	2275		Broken Lime
2275	2280		Broken Lime
2280	2285		Broken Lime
2285	2290		Broken Lime
2290	2295		Broken Lime
2295	2300		Broken Lime
2300	2305		Broken Lime
2305	2310		Broken Lime
2310	2315		Broken Lime
2315	2320		Broken Lime
2320	2325		Broken Lime
2325	2330		Broken Lime
2330	2335		Broken Lime
2335	2340		Broken Lime
2340	2345		Broken Lime
2345	2350		Broken Lime
2350	2355		Broken Lime
2355	2360		Broken Lime
2360	2365		Broken Lime
2365	2370		Broken Lime
2370	2375		Broken Lime
2375	2380		Broken Lime
2380	2385		Broken Lime
2385	2390		Broken Lime
2390	2395		Broken Lime
2395	2400		Broken Lime
2400	2405		Broken Lime
2405	2410		Broken Lime
2410	2415		Broken Lime
2415	2420		Broken Lime
2420	2425		Broken Lime
2425	2430		Broken Lime
2430	2435		Broken Lime
2435	2440		Broken Lime
2440	2445		Broken Lime
2445	2450		Broken Lime
2450	2455		Broken Lime
2455	2460		Broken Lime
2460	2465		Broken Lime
2465	2470		Broken Lime
2470	2475		Broken Lime
2475	2480		Broken Lime
2480	2485		Broken Lime
2485	2490		Broken Lime
2490	2495		Broken Lime
2495	2500		Broken Lime
2500	2505		Broken Lime
2505	2510		Broken Lime
2510	2515		Broken Lime
2515	2520		Broken Lime
2520	2525		Broken Lime
2525	2530		Broken Lime
2530	2535		Broken Lime
2535	2540		Broken Lime
2540	2545		Broken Lime
2545	2550		Broken Lime
2550	2555		Broken Lime
2555	2560		Broken Lime
2560	2565		Broken Lime
2565	2570		Broken Lime
2570	2575		Broken Lime
2575	2580		Broken Lime
2580	2585		Broken Lime
2585	2590		Broken Lime
2590	2595		Broken Lime
2595	2600		Broken Lime
2600	2605		Broken Lime
2605	2610		Broken Lime
2610	2615		Broken Lime
2615	2620		Broken Lime
2620	2625		Broken Lime
2625	2630		Broken Lime
2630	2635		Broken Lime
2635	2640		Broken Lime
2640	2645		Broken Lime
2645	2650		Broken Lime
2650	2655		Broken Lime
2655	2660		Broken Lime
2660	2665		Broken Lime
2665	2670		Broken Lime
2670	2675		Broken Lime
2675	2680		Broken Lime
2680	2685		Broken Lime
2685	2690		Broken Lime
2690	2695		Broken Lime
2695	2700		Broken Lime
2700	2705		Broken Lime
2705	2710		Broken Lime
2710	2715		Broken Lime
2715	2720		Broken Lime
2720	2725		Broken Lime
2725	2730		Broken Lime
2730	2735		Broken Lime
2735	2740		Broken Lime
2740	2745		Broken Lime
2745	2750		Broken Lime
2750	2755		Broken Lime
2755	2760		Broken Lime
2760	2765		Broken Lime
2765	2770		Broken Lime
2770	2775		Broken Lime
2775	2780		Broken Lime
2780	2785		Broken Lime
2785	2790		Broken Lime
2790	2795		Broken Lime
2795	2800		Broken Lime
2800	2805		Broken Lime
2805	2810		Broken Lime
2810	2815		Broken Lime
2815	2820		Broken Lime
2820	2825		Broken Lime
2825	2830		Broken Lime
2830	2835		Broken Lime
2835	2840		Broken Lime
2840	2845		Broken Lime
2845	2850		Broken Lime
2850	2855		Broken Lime
2855	2860		Broken Lime
2860	2865		Broken Lime
2865	2870		Broken Lime
2870	2875		Broken Lime
2875	2880		Broken Lime
2880	2885		Broken Lime
2885	2890		Broken Lime
2890	2895		Broken Lime
2895	2900		Broken Lime
2900	2905		Broken Lime
2905	2910		Broken Lime
2910	2915		Broken Lime
2915	2920		Broken Lime
2920	2925		Broken Lime
2925	2930		Broken Lime
2930	2935		Broken Lime
2935	2940		Broken Lime
2940	2945		Broken Lime
2945	2950		Broken Lime
2950	2955		Broken Lime
2955	2960		Broken Lime
2960	2965		Broken Lime
2965	2970		Broken Lime
2970	2975		Broken Lime
2975	2980		Broken Lime
2980	2985		Broken Lime
2985	2990		Broken Lime
2990	2995		Broken Lime
2995	3000		Broken Lime