

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 10-061701
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
ARTESIA NEW MEXICO

RECEIVED
OCT 14 1953
U. S. GEOLOGICAL SURVEY
ARTESIA NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Harvey E. Yates Address 303 Booker Bldg., Artesia, New Mexico
Lessor or Tract Ballard Field Loce Hills State New Mexico
Well No. 5 Sec. 8 T. 18S R. 29E Meridian NMPM County Eddy
Location 990 ft. (N) of S Line and 1650 ft. (E) of W Line of Sec. 8 Elevation 5523
(Derive 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 [Signature]

Date October 15, 1953 Title Bookkeeper

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

Commenced drilling June 26, 1953 Finished drilling August 25, 1953

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2427' to 2433' No. 4, from _____ to _____
No. 2, from 2433' to 2436' No. 5, from _____ to _____
No. 3, from 2468' to 2482' 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—	
8-5/8"	214			330					
7"	2426			100					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	330	50	Denton		
7"	2426	100	"		

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

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

First production September 21, 1953
The production for the first 24 hours was 25 barrels of fluid of which 100 % was oil; _____ %
emulsion _____ % water and _____ % sediment.

If gas well, cu. ft. per 24 hours _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

H. E. Hampton, Driller
H. R. Hampton, Driller
H. O. Miller, Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	10		Clay
10	35		Clay
35	75		Clay
75	150		Clay
150	160		Clay
160	235		Clay
235	260		Clay
260	330		Clay
330	332		Clay
332	360		Clay
360	775		Clay
775	780		Clay
780	785		Clay
785	845		Clay
845	852		Clay
852	870		Clay
870	905		Clay
905	915		Clay
915	980		Clay
980	985		Clay
985	1025		Clay
1025	1040		Clay
1040	1155		Clay
1155	1180		Clay
1180	1190		Clay

FORMATION RECORD—Continued

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

UNITED STATES
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GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

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Location of _____ of _____ line and _____ of _____
 [S] [N] [E] [W]
 Section _____ T. _____ R. _____ Meridian _____
 Well No. _____
 Lessor or Trust _____
 Company _____

Address _____
 State _____
 County _____
 Elevation _____
 line of _____
 (Don't forget to set level)
 signed _____

_____ 19____ commenced drilling _____
_____ finished drilling _____
_____ 19____

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

Title _____
Date _____

OIL OR GAS SANDS OR ZONES

No. 1, from	to	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. 3, from	to
No. 2, from	to	No. 4, from	to

CASING RECORD

Weight in Pounds	Measurements	Kind of steel	Cut and pulled from	Platemark
100	100	100	100	100

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 "detracked" 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

16-43004-1 U. S. GOVERNMENT PRINTING OFFICE

RECORDING AND CEMENTING RECORD

[illegible]

SECRET AND COPY

Depth set	Length	Weight	Age	Sex	Remarks
1	10	10	10	10	10
2	10	10	10	10	10
3	10	10	10	10	10
4	10	10	10	10	10
5	10	10	10	10	10
6	10	10	10	10	10
7	10	10	10	10	10
8	10	10	10	10	10
9	10	10	10	10	10
10	10	10	10	10	10
11	10	10	10	10	10
12	10	10	10	10	10
13	10	10	10	10	10
14	10	10	10	10	10
15	10	10	10	10	10
16	10	10	10	10	10
17	10	10	10	10	10
18	10	10	10	10	10
19	10	10	10	10	10
20	10	10	10	10	10
21	10	10	10	10	10
22	10	10	10	10	10
23	10	10	10	10	10
24	10	10	10	10	10
25	10	10	10	10	10
26	10	10	10	10	10
27	10	10	10	10	10
28	10	10	10	10	10
29	10	10	10	10	10
30	10	10	10	10	10
31	10	10	10	10	10
32	10	10	10	10	10
33	10	10	10	10	10
34	10	10	10	10	10
35	10	10	10	10	10
36	10	10	10	10	10
37	10	10	10	10	10
38	10	10	10	10	10
39	10	10	10	10	10
40	10	10	10	10	10
41	10	10	10	10	10
42	10	10	10	10	10
43	10	10	10	10	10
44	10	10	10	10	10
45	10	10	10	10	10
46	10	10	10	10	10
47	10	10	10	10	10
48	10	10	10	10	10
49	10	10	10	10	10
50	10	10	10	10	10
51	10	10	10	10	10
52	10	10	10	10	10
53	10	10	10	10	10
54	10	10	10	10	10
55	10	10	10	10	10
56	10	10	10	10	10
57	10	10	10	10	10
58	10	10	10	10	10
59	10	10	10	10	10
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61	10	10	10	10	10
62	10	10	10	10	10
63	10	10	10	10	10
64	10	10	10	10	10
65	10	10	10	10	10
66	10	10	10	10	10
67	10	10	10	10	10
68	10	10	10	10	10
69	10	10	10	10	10
70	10	10	10	10	10
71	10	10	10	10	10
72	10	10	10	10	10
73	10	10	10	10	10
74	10	10</			

SHOOTING RECORD

[illegible]

TOOLS USED

2813	2812	2811	2810	2809	2808	2807	2806	2805	2804	2803	2802	2801	2800	2799	2798	2797	2796	2795	2794	2793	2792	2791	2790	2789	2788	2787	2786	2785	2784	2783	2782	2781	2780	2779	2778	2777	2776	2775	2774	2773	2772	2771	2770	2769	2768	2767	2766	2765	2764	2763	2762	2761	2760	2759	2758	2757	2756	2755	2754	2753	2752	2751	2750	2749	2748	2747	2746	2745	2744	2743	2742	2741	2740	2739	2738	2737	2736	2735	2734	2733	2732	2731	2730	2729	2728	2727	2726	2725	2724	2723	2722	2721	2720	2719	2718	2717	2716	2715	2714	2713	2712	2711	2710	2709	2708	2707	2706	2705	2704	2703	2702	2701	2700	2699	2698	2697	2696	2695	2694	2693	2692	2691	2690	2689	2688	2687	2686	2685	2684	2683	2682	2681	2680	2679	2678	2677	2676	2675	2674	2673	2672	2671	2670	2669	2668	2667	2666	2665	2664	2663	2662	2661	2660	2659	2658	2657	2656	2655	2654	2653	2652	2651	2650	2649	2648	2647	2646	2645	2644	2643	2642	2641	2640	2639	2638	2637	2636	2635	2634	2633	2632	2631	2630	2629	2628	2627	2626	2625	2624	2623	2622	2621	2620	2619	2618	2617	2616	2615	2614	2613	2612	2611	2610	2609	2608	2607	2606	2605	2604	2603	2602	2601	2600	2599	2598	2597	2596	2595	2594	2593	2592	2591	2590	2589	2588	2587	2586	2585	2584	2583	2582	2581	2580	2579	2578	2577	2576	2575	2574	2573	2572	2571	2570	2569	2568	2567	2566	2565	2564	2563	2562	2561	2560	2559	2558	2557	2556	2555	2554	2553	2552	2551	2550	2549	2548	2547	2546	2545	2544	2543	2542	2541	2540	2539	2538	2537	2536	2535	2534	2533	2532	2531	2530	2529	2528	2527	2526	2525	2524	2523	2522	2521	2520	2519	2518	2517	2516	2515	2514	2513	2512	2511	2510	2509	2508	2507	2506	2505	2504	2503	2502	2501	2500	2499	2498	2497	2496	2495	2494	2493	2492	2491	2490	2489	2488	2487	2486	2485	2484	2483	2482	2481	2480	2479	2478	2477	2476	2475	2474	2473	2472	2471	2470	2469	2468	2467	2466	2465	2464	2463	2462	2461	2460	2459	2458	2457	2456	2455	2454	2453	2452	2451	2450	2449	2448	2447	2446	2445	2444	2443	2442	2441	2440	2439	2438	2437	2436	2435	2434	2433	2432	2431	2430	2429	2428	2427	2426	2425	2424	2423	2422	2421	2420	2419	2418	2417	2416	2415	2414	2413	2412	2411	2410	2409	2408	2407	2406	2405</
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[illegible]

EMPL 3

2364	Driller	White & Gray Lums	Driller
2365	Driller	White & Gray Lums	Driller
2375	Driller	White & Gray Lums	Driller
2382	Driller	White & Gray Lums	Driller
2383	Driller	White & Gray Lums	Driller

FORMATIO RECORD

FORMATION	THICKNESS	TOTAL FEET
Blue Clay	12.07	12.07
Red Sand, Shale & Ardy	13.30	25.37
Ardy & Lime	12.75	38.12
Ardy	13.38	51.50
Blue Shale	18.05	69.55
Red & Shale	18.80	88.35
Ardy	17.70	106.05
Ardy & Shale	18.75	124.80
Red Sand	19.20	144.00
Ardy	19.90	163.90
Ardy & Blue Shale	19.98	183.88
Ardy	20.09	203.97
Ardy & Lime	20.75	224.72
Lime	20.85	245.57
Lime & Red Shale	20.85	266.42
Red Shale	21.71	288.13
Ardy	21.71	309.84
Red	21.71	331.55
Ardy	21.70	353.25
Red Sand & Ardy	22.80	376.05
Ardy	22.10	398.15
Ardy	22.60	420.75
Blue & Grey Lime	22.65	443.40
White Lime	22.85	466.25
Blue & Shale	23.15	489.40