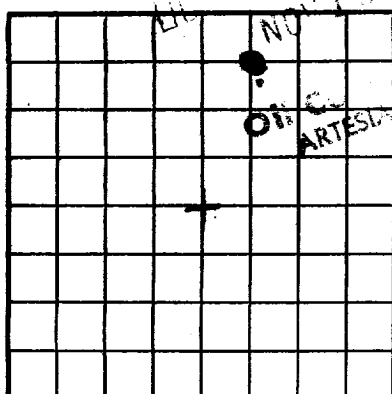


RECEIVED
NOV 12 1957
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICOHOBBS OFFICE
NOV 19 1957

U. S. LAND OFFICE

SERIAL NUMBER

PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Phillips Petroleum Company Address Box 2105 Hobbs, New Mexico
Lessor or Tract Cleat Lease Field Caprock Queen State New Mexico
Well No. 5 Sec. 17 T. 14S R. 31E Meridian County Lea
Location 660 ft. N. of N. Line and 1979 ft. E. of E. Line of Sec. 17 Elevation 4099
(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

Title District Chief ClerkDate 11-4-57

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

Commenced drilling June 18, 1957 Finished drilling June 24, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from Queens 2694' to 2729' 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 No record 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—	
<u>8-5/8</u>	<u>22.7</u>	<u>10</u>	<u>J-55</u>	<u>2718</u>	<u>Baker</u>				<u>Oil string</u>
<u>5-1/2</u>	<u>15.5</u>	<u>10</u>	<u>J-55</u>	<u>2718</u>	<u>Baker</u>				<u>Oil string</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8-5/8</u>	<u>213</u>	<u>225</u> <u>ex reg</u>	<u>pump</u>	<u>-</u>	<u>4707</u>
<u>5-1/2</u>	<u>2708</u>	<u>100</u> <u>ex reg</u>	<u>"</u>	<u>-</u>	<u>706</u> <u>900</u> <u>1544</u>

PLUGS AND ADAPTERS

Heaving plug—Material None Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
<u>None</u>						

TOOLS USED

Rotary tools were used from surface feet to 2729' feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing July 13, 1957
The production for the first 24 hours was 75 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and 4/10 % sediment. Gravity, °Bé. 36.4
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Lawless Drilling Company, Driller _____, Driller
Odessa, Texas, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>306</u>	<u>306</u>	<u>Caliche and red beds</u>
<u>306</u>	<u>1010</u>	<u>704</u>	<u>Red beds</u>
<u>1010</u>	<u>1940</u>	<u>930</u>	<u>Rustler - anhydrite</u>
<u>1940</u>	<u>2694</u>	<u>754</u>	<u>Yates Sand</u>
<u>2694</u>	<u>2729</u>	<u>35</u>	<u>Queens</u>
			<u>2729' TD drilled.</u>
			<u>Top Queen pay 2709'.</u>
FROM—	TO—	TOTAL FEET	FORMATION

FORMATION RECORD—Continued

FORMATION RECORD-Continued

FROM-	TO-	TOTAL FEET	FORMATION
3001	2999	3000	Gravelly sand
2999	2997	2998	Gravelly sand
2997	2995	2996	Gravelly sand
2995	2993	2994	Gravelly sand
2993	2991	2992	Gravelly sand
2991	2989	2990	Gravelly sand
2989	2987	2988	Gravelly sand
2987	2985	2986	Gravelly sand
2985	2983	2984	Gravelly sand
2983	2981	2982	Gravelly sand
2981	2979	2980	Gravelly sand
2979	2977	2978	Gravelly sand
2977	2975	2976	Gravelly sand
2975	2973	2974	Gravelly sand
2973	2971	2972	Gravelly sand
2971	2969	2970	Gravelly sand
2969	2967	2968	Gravelly sand
2967	2965	2966	Gravelly sand
2965	2963	2964	Gravelly sand
2963	2961	2962	Gravelly sand
2961	2959	2960	Gravelly sand
2959	2957	2958	Gravelly sand
2957	2955	2956	Gravelly sand
2955	2953	2954	Gravelly sand
2953	2951	2952	Gravelly sand
2951	2949	2950	Gravelly sand
2949	2947	2948	Gravelly sand
2947	2945	2946	Gravelly sand
2945	2943	2944	Gravelly sand
2943	2941	2942	Gravelly sand
2941	2939	2940	Gravelly sand
2939	2937	2938	Gravelly sand
2937	2935	2936	Gravelly sand
2935	2933	2934	Gravelly sand
2933	2931	2932	Gravelly sand
2931	2929	2930	Gravelly sand
2929	2927	2928	Gravelly sand
2927	2925	2926	Gravelly sand
2925	2923	2924	Gravelly sand
2923	2921	2922	Gravelly sand
2921	2919	2920	Gravelly sand
2919	2917	2918	Gravelly sand
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2899	2897	2898	Gravelly sand
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2893	2891	2892	Gravelly sand
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2887	2885	2886	Gravelly sand
2885	2883	2884	Gravelly sand
2883	2881	2882	Gravelly sand
2881	2879	2880	Gravelly sand
2879	2877	2878	Gravelly sand
2877	2875	2876	Gravelly sand
2875	2873	2874	Gravelly sand
2873	2871	2872	Gravelly sand
2871	2869	2870	Gravelly sand
2869	2867	2868	Gravelly sand
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2847	2845	2846	Gravelly sand
2845	2843	2844	Gravelly sand
2843	2841	2842	Gravelly sand
2841	2839	2840	Gravelly sand
2839	2837	2838	Gravelly sand
2837	2835	2836	Gravelly sand
2835	2833	2834	Gravelly sand
2833	2831	2832	Gravelly sand
2831	2829	2830	Gravelly sand
2829	2827	2828	Gravelly sand
2827	2825	2826	Gravelly sand
2825	2823	2824	Gravelly sand
2823	2821	2822	Gravelly sand
2821	2819	2820	Gravelly sand
2819	2817	2818	Gravelly sand
2817	2815	2816	Gravelly sand
2815	2813	2814	Gravelly sand
2813	2811	2812	Gravelly sand
2811	2809	2810	Gravelly sand
2809	2807	2808	Gravelly sand
2807	2805	2806	Gravelly sand
2805	2803	2804	Gravelly sand
2803	2801	2802	Gravelly sand
2801	2799	2800	Gravelly sand
2799	2797	2798	Gravelly sand
2797	2795	2796	Gravelly sand
2795	2793	2794	Gravelly sand
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2641	2639	2640	Gravelly sand
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