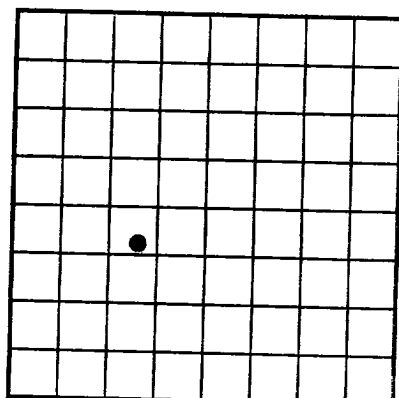


SERIAL NUMBER ... 970422

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Neville G. Penrose, Inc. Address 1813 Fair Bldg., Ft. Worth, Texas
Lessor or Tract Featherstone Field Wildcat State New Mexico
Well No. 1 Sec. 8 T. 13-S R. 21-E Meridian NMPM County Chaves
Location 1980 ft. (N.) of S Line and 1980 ft. (E.) of W Line of Section 8 Elevation 6000 ft.

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.

Date 4-25-55 Signed John P. McNaughton
Title John P. McNaughton, Engineer

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

Commenced drilling 3-19, 55 Finished drilling 4-15, 19

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____ No. 4, from _____ to _____

No. 2, from ~~the communication to the United States and from~~ to

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

IMPORTANT WATER SANDS

No. 1, from None 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—	
12 3/4 45	45	8							
8 3/4 45	45	8							
HISTORY OF CUT OF GAS WELL									

MUDDING AND CEMENTING RECORD

	Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
MARK	12-3/4	80'	100	Packing		
	8-5/8	90'	-			-
						-
						-
						-

PLUGS AND ADAPTERS

Hearing plug—Material ----- Length ----- Depth set -----

Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
None						

TOOLS USED

Rotary tools were used from 0 feet to 906 feet, and from _____ feet to _____ feet.

Cable tools were used from 904 feet to 2342 feet, and from _____ feet to _____ feet.

DATES

Put to producing	19
------------------	----

The production for the first 24 hours was ~~None~~ barrels of fluid of which ----- % 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	
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32
33	34
35	36
37	38
39	40
41	42
43	44
45	46
47	48
49	50
51	52
53	54
55	56
57	58
59	60
61	62
63	64
65	66
67	68
69	70
71	72
73	74
75	76
77	78
79	80
81	82
83	84
85	86
87	88
89	90
91	92
93	94
95	96
97	98
99	100

EMPLOYEES

~~Thomas Drilling Co.~~, Driller _____, Driller

_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	870	870	Red sand and shale
870	930	60	Red and brown shale
930	1020	90	Anhydrite, shale, and sand
1020	1030	10	Sand, red and green shale
1030	1610	580	anhydrite
1610	1750	140	Anhydrite, salt, red sand, shale
1750	1875	125	anhydrite and red shale
1875	1895	20	Brown granular dolomite and anhydrite
1895	2000	405	anhydrite, salt, red shale
2000	2300	218	Anhydrite, salt, red shale and sand
2300	2518	218	anhydrite
2518	2541	23	anhydrite
2541	2542	1	anhydrite
2542	2543	1	anhydrite
2543	2544	1	anhydrite
2544	2545	1	anhydrite
2545	2546	1	anhydrite
2546	2547	1	anhydrite
2547	2548	1	anhydrite
2548	2549	1	anhydrite
2549	2550	1	anhydrite
2550	2551	1	anhydrite
2551	2552	1	anhydrite
2552	2553	1	anhydrite
2553	2554	1	anhydrite
2554	2555	1	anhydrite
2555	2556	1	anhydrite
2556	2557	1	anhydrite
2557	2558	1	anhydrite
2558	2559	1	anhydrite
2559	2560	1	anhydrite
2560	2561	1	anhydrite
2561	2562	1	anhydrite
2562	2563	1	anhydrite
2563	2564	1	anhydrite
2564	2565	1	anhydrite
2565	2566	1	anhydrite
2566	2567	1	anhydrite
2567	2568	1	anhydrite
2568	2569	1	anhydrite
2569	2570	1	anhydrite
2570	2571	1	anhydrite
2571	2572	1	anhydrite
2572	2573	1	anhydrite
2573	2574	1	anhydrite
2574	2575	1	anhydrite
2575	2576	1	anhydrite
2576	2577	1	anhydrite
2577	2578	1	anhydrite
2578	2579	1	anhydrite
2579	2580	1	anhydrite
2580	2581	1	anhydrite
2581	2582	1	anhydrite
2582	2583	1	anhydrite
2583	2584	1	anhydrite
2584	2585	1	anhydrite
2585	2586	1	anhydrite
2586	2587	1	anhydrite
2587	2588	1	anhydrite
2588	2589	1	anhydrite
2589	2590	1	anhydrite
2590	2591	1	anhydrite
2591	2592	1	anhydrite
2592	2593	1	anhydrite
2593	2594	1	anhydrite
2594	2595	1	anhydrite
2595	2596	1	anhydrite
2596	2597	1	anhydrite
2597	2598	1	anhydrite
2598	2599	1	anhydrite
2599	2600	1	anhydrite
2600	2601	1	anhydrite
2601	2602	1	anhydrite
2602	2603	1	anhydrite
2603	2604	1	anhydrite
2604	2605	1	anhydrite
2605	2606	1	anhydrite
2606	2607	1	anhydrite
2607	2608	1	anhydrite
2608	2609	1	anhydrite
2609	2610	1	anhydrite
2610	2611	1	anhydrite
2611	2612	1	anhydrite
2612	2613	1	anhydrite
2613	2614	1	anhydrite
2614	2615	1	anhydrite
2615	2616	1	anhydrite
2616	2617	1	anhydrite
2617	2618	1	anhydrite
2618	2619	1	anhydrite
2619	2620	1	anhydrite
2620	2621	1	anhydrite
2621	2622	1	anhydrite
2622	2623	1	anhydrite
2623	2624	1	anhydrite
2624	2625	1	anhydrite
2625	2626	1	anhydrite
2626	2627	1	anhydrite
2627	2628	1	anhydrite
2628	2629	1	anhydrite
2629	2630	1	anhydrite
2630	2631	1	anhydrite
2631	2632	1	anhydrite
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2635	2636	1	anhydrite
2636	2637	1	anhydrite
2637	2638	1	anhydrite
2638	2639	1	anhydrite
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2640	2641	1	anhydrite
2641	2642	1	anhydrite
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2644	2645	1	anhydrite
2645	2646	1	anhydrite
2646	2647	1	anhydrite
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2652	2653	1	anhydrite
2653	2654	1	anhydrite
2654	2655	1	anhydrite
2655	2656	1	anhydrite
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2657	2658	1	anhydrite
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2666	2667	1	anhydrite
2667	2668	1	anhydrite
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2669	2670	1	anhydrite
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2671	2672	1	anhydrite
2672	2673	1	anhydrite
2673	2674	1	anhydrite
2674	2675	1	anhydrite
2675	2676	1	anhydrite
2676	2677	1	anhydrite
2677	2678	1	anhydrite
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2689	2690	1	anhydrite
2690	2691	1	anhydrite
2691	2692	1	anhydrite
2692	2693	1	anhydrite
2693	2694	1	anhydrite
2694	2695	1	anhydrite
2695	2696	1	anhydrite
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2697	2698	1	anhydrite
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2699	2700	1	anhydrite
2700	2701	1	anhydrite
2701	2702	1	anhydrite
2702	2703	1	anhydrite
2703	2704	1	anhydrite
2704	2705	1	anhydrite
2705	2706	1	anhydrite
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2707	2708	1	anhydrite
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2709	2710	1	anhydrite
2710	2711	1	anhydrite
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2712	2713	1	anhydrite
2713	2714	1	anhydrite
2714	2715	1	anhydrite
2715	2716	1	anhydrite
2716	2717	1	anhydrite
2717	2718	1	anhydrite
2718	2719	1	anhydrite
2719	2720	1	anhydrite
2720	2721	1	anhydrite
2721	2722	1	anhydrite
2722	2723	1	anhydrite
2723	2724	1	anhydrite
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2725	2726	1	anhydrite
2726	2727	1	anhydrite
2727	2728	1	anhydrite
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2730	2731	1	anhydrite
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2732	2733	1	anhydrite
2733	2734	1	anhydrite
2734	2735	1	anhydrite
2735	2736	1	anhydrite
2736	2737	1	anhydrite
2737	2738	1	anhydrite
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2739	2740	1	anhydrite
2740	2741	1	anhydrite
2741	2742	1	anhydrite
2742	2743	1	anhydrite
2743	2744	1	anhydrite
2744	2745	1	anhydrite
2745	2746	1	anhydrite
2746	2747	1	anhydrite
2747	2748	1	anhydrite
2748	2749	1	anhydrite
2749	2750	1	anhydrite
2750	2751	1	anhydrite
2751	2752	1	anhydrite
2752	2753	1	anhydrite
2753	2754	1	anhydrite
2754	2755	1	anhydrite
2755	2756	1	anhydrite
2756	2757	1	anhydrite
2757	2758	1	anhydrite
2758	2759	1	anhydrite
2759	2760	1	anhydrite
2760	2761	1	anhydrite
2761	2762	1	anhydrite
2762	2763	1	anhydrite
2763	2764	1	anhydrite
2764	2765	1	anhydrite
2765	2766	1	anhydrite
2766	2767	1	anhydrite
2767	2768	1	anhydrite
2768	2769	1	anhydrite
2769	2770	1	anhydrite
2770	2771	1	anhydrite
2771	2772	1	anhydrite
2772	2773	1	anhydrite
2773	2774	1	anhydrite
2774	2775	1	anhydrite
2775	2776	1	anhydrite
2776	2777	1	anhydrite
2777	2778	1	anhydrite
2778	2779	1	anhydrite
2779	2780	1	anhydrite
2780	2781	1	anhydrite
2781	2782	1	anhydrite
2782	2783	1	anhydrite
2783	2784	1	anhydrite
2784	2785	1	anhydrite
2785	2786	1	anhydrite
2786	2787	1	anhydrite
2787	2788	1	anhydrite
2788	2789	1	anhydrite
2789	2790	1	anhydrite
2790	2791	1	anhydrite
2791	2792	1	anhydrite
2792	2793	1	anhydrite
2793	2794	1	anhydrite
2794	2795	1	anhydrite
2795	2796	1	anhydrite
2796	2797	1	anhydrite
2797	2798	1	anhydrite
2798	2799	1	anhydrite
2799	2800	1	anhydrite
2800	2801	1	anhydrite
2801	2802	1	anhydrite
2802	2803	1	anhydrite
2803	2804	1	anhydrite
2804	2805	1	anhydrite
2805	2806	1	anhydrite
2806	2807	1	anhydrite
2807	2808	1	anhydrite
2808	2809	1	anhydrite
2809	2810	1	anhydrite
2810	2811	1	anhydrite
2811	2812	1	anhydrite
2812	2813	1	anhydrite
2813	2814	1	anhydrite
2814	2815	1	anhydrite
2815	2816	1	anhydrite
2816	2817	1	anhydrite
2817	2818	1	anhydrite
2818	2819	1	anhydrite
2819	2820	1	anhydrite
2820	2821	1	anhydrite
2821	2822	1	anhydrite
2822	2823	1	anhydrite
2823	2824	1	anhydrite
2824	2825	1	anhydrite
2825	2826	1	anhydrite
2826	2827	1	anhydrite
2827	2828	1	anhydrite
2828	2829	1	anhydrite
2829	2830	1	anhydrite
2830	2831	1	anhydrite
2831	2832	1	anhydrite
2832	2833	1	anhydrite
2833	2834	1	anhydrite
2834	2835	1	anhydrite
2835	2836	1	anhydrite
2836	2837	1	anhydrite
2837	2838	1	anhydrite
2838	2839	1	anhydrite
2839	2840	1	anhydrite
2840	2841	1	anhydrite
2841	2842	1	anhydrite
2842	2843	1	anhydrite
2843	2844	1	anhydrite
2844	2845	1	anhydrite
2845	2846	1	anhydrite
2846	2847	1	anhydrite
2847	2848	1	anhydrite
2848	2849	1	anhydrite
2849	2850	1	anhydrite
2850	2851	1	anhydrite
2851	2852	1	anhydrite
2852	2853	1	anhydrite
2853	2854	1	anhydrite
2854	2855	1	anhydrite
2855	2856	1	anhydrite
2856	2857	1	anhydrite
2857	2858	1	anhydrite
2858	2859	1	anhydrite
2859	2860	1	anhydrite
2860	2861	1	anhydrite
2861	2862	1	anhydrite
2862	2863	1	anhydrite
2863	2864	1	anhydrite
2864	2865	1	anhydrite
2865	2866	1	anhydrite
2866	2867	1	anhydrite
2867	2868	1	anhydrite
2868	2869	1	anhydrite
2869	2870	1	anhydrite
2870	2871	1	

(over)

FORMATION RECORD—Continued

IR-420622

PLEASE OR PERMIT TO PROCEED
SERIAL NUMBER 070695
U. S. LAND OFFICE Las Vegas

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

A blank sheet of graph paper with a grid pattern. The grid consists of 10 columns and 8 rows of squares. A small black dot is located at the intersection of the 6th column from the left and the 4th row from the bottom.

LOCATE WELL CORRECTLY

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.

Location of _____ of _____ Line and _____ of _____ line of _____ section _____ Elevation _____ feet (Give to the nearest foot)

Well No. _____ Sec. _____ T. _____ R. _____ Meridian _____ N. _____ S. _____ E. _____

Lessor or Trust _____

Leasehold _____

Company _____

Address _____ St. _____, _____, _____

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

Date _____

OIL OR GAS SANDS OR ZONES

Completed - Office _____ 91-6
Finished drilling _____ 18
_____ 19

Volume estimated at 104 MCF PD.

CASING RECORD

Case No.	Weight per foot	Through bar	Make	Amount	Kind of steel	Cut and pulled from	Rebar from To	Location
----------	-----------------	-------------	------	--------	---------------	---------------------	------------------	----------

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 redrilling was "detected" or left in the well, give its size and location. If plugs of bridges were put in to test for water, record of material used, position, and reasons of pumping or bailing.

HISTORY OF OIL OR GAS WELL

16-43084-1 U. S. GOVERNMENT PRINTING OFFICE

MIDDING AND CEMENTING RECORD

Size range	Material	Number sacks of cement	Method used	Used gravelly	Amount of mud used
6"	10'	-	bedding	-	-

PLUGS AND ADAPTERS

Number of Inhabitants	Area in Sq. Miles	Population Density
100,000	100	1,000
200,000	200	1,000
300,000	300	1,000
400,000	400	1,000
500,000	500	1,000
600,000	600	1,000
700,000	700	1,000
800,000	800	1,000
900,000	900	1,000
1,000,000	1,000	1,000
1,100,000	1,100	1,000
1,200,000	1,200	1,000
1,300,000	1,300	1,000
1,400,000	1,400	1,000
1,500,000	1,500	1,000
1,600,000	1,600	1,000
1,700,000	1,700	1,000
1,800,000	1,800	1,000
1,900,000	1,900	1,000
2,000,000	2,000	1,000
2,100,000	2,100	1,000
2,200,000	2,200	1,000
2,300,000	2,300	1,000
2,400,000	2,400	1,000
2,500,000	2,500	1,000
2,600,000	2,600	1,000
2,700,000	2,700	1,000
2,800,000	2,800	1,000
2,900,000	2,900	1,000
3,000,000	3,000	1,000
3,100,000	3,100	1,000
3,200,000	3,200	1,000
3,300,000	3,300	1,000
3,400,000	3,400	1,000
3,500,000	3,500	1,000
3,600,000	3,600	1,000
3,700,000	3,700	1,000
3,800,000	3,800	1,000
3,900,000	3,900	1,000
4,000,000	4,000	1,000
4,100,000	4,100	1,000
4,200,000	4,200	1,000
4,300,000	4,300	1,000
4,400,000	4,400	1,000
4,500,000	4,500	1,000
4,600,000	4,600	1,000
4,700,000	4,700	1,000
4,800,000	4,800	1,000
4,900,000	4,900	1,000
5,000,000	5,000	1,000
5,100,000	5,100	1,000
5,200,000	5,200	1,000
5,300,000	5,300	1,000
5,400,000	5,400	1,000
5,500,000	5,500	1,000
5,600,000	5,600	1,000
5,700,000	5,700	1,000
5,800,000	5,800	1,000
5,900,000	5,900	1,000
6,000,000	6,000	1,000
6,100,000	6,100	1,000
6,200,000	6,200	1,000
6,300,000	6,300	1,000
6,400,000	6,400	1,000
6,500,000	6,500	1,000
6,600,000	6,600	1,000
6,700,000	6,700	1,000
6,800,000	6,800	1,000
6,900,000	6,900	1,000
7,000,000	7,000	1,000
7,100,000	7,100	1,000
7,200,000	7,200	1,000
7,300,000	7,300	1,000
7,400,000	7,400	1,000
7,500,000	7,500	1,000
7,600,000	7,600	1,000
7,700,000	7,700	1,000
7,800,000	7,800	1,000
7,900,000	7,900	1,000
8,000,000	8,000	1,000
8,100,000	8,100	1,000
8,200,000	8,200	1,000
8,300,000	8,300	1,000
8,400,000	8,400	1,000
8,500,000	8,500	1,000
8,600,000	8,600	1,000
8,700,000	8,700	1,000
8,800,000	8,800	1,000
8,900,000	8,900	1,000
9,000,000	9,000	1,000
9,100,000	9,100	1,000
9,200,000	9,200	1,000
9,300,000	9,300	1,000

SHOOTING RECORD

[illegible]

TOOLS USED

1961	feet to	feet and from	1961	feet to	feet and from
1961	feet to	feet and from	1961	feet to	feet and from

DATA

Rock pressure, lbs. per sq. in.	
It gas well, cu. ft. per 24 hours	
Production; % water; and % sediment.	
Gravimetric Res.	
Gallons gasoline per 1,000 cu. ft. of gas	
Barrels of fluid of which % was oil; %	
Put to producing	, 19.....

EMPLOYEES

Driller	Driller	Driller	Driller
Driller	Driller	Driller	Driller

FORMATION RECORD

FORMATION	TOTAL FEET	TO—	FROM—
Anhydrite, red shale and red sand	29	2570	11
Salt, anhydrite, red sand and shale	63	2633	0
Red sand	147	2780	33
Anhydrite	15	2795	30
Red sand	10	2805	5
Anhydrite, salt, red shale and sand	118	2923	1300
ANHYDRITE, SALT AND SHALE	40	2963	5
Brown granular calcinose and anhydrite	20	2983	1271
ANHYDRITE, SALT AND SHALE	135	3118	57
Red sand and shale	140	3258	1301
Salt and anhydrite	22	3280	1323
Sand, red and green shale	16	3296	1339
Anhydrite, shale, and sand	30	3326	1369
Red and brown shale	80	3406	1449
Red sand and shale	328	3734	1777

FORMATION RECORD—Continued