

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **NEW COUNTRY LAND COMPANY** Address **120 So. Commercial Ave. Farmington, New Mexico**

Lessee or Tractor **Donahoe - Federal** Field **Wildcat** State **New Mexico**

Well No. **1** Sec. **33** T. **28N** R. **13W** Meridian **NMPN** County **San Juan**

Location **1650** ft. of **Line** and **1700** ft. of **Line** of **Sac. 33** Elevation **5948**

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 **W. D. Hall** District Engineer

Date **May 19, 1961**

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

Commenced drilling **3-24** 19**60** Finished drilling **4-11** 19**60**

OIL OR GAS SANDS OR ZONES

No. 1, from **None** to **None** No. 4, from **None** to **None**

No. 2, from **None** to **None** No. 5, from **None** to **None**

No. 3, from **None** to **None** No. 6, from **None** to **None**

IMPORTANT WATER SANDS

No. 1, from **None** to **None** No. 3, from **None** to **None**

No. 2, from **None** to **None** No. 4, from **None** to **None**

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated	Purpose
8-5/8"	24.4	8-14	None	1138'	None	None	5314'	Production
5-1/2"	15.5	8-14	None	1135'	None	None	5314'	Test

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	326'	150			
5-1/2"	5589'	171 CF lt. wt. slurry			

PLUGS AND ADAPTERS

Heaving plug—Material **SEE HISTORY** Length _____ Depth set _____

Adapters—Material **ON REVERSE SIDE** Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
SEE HISTORY ON REVERSE SIDE						

TOOLS USED

Rotary tools were used from **0** feet to **6152** feet, and from _____ feet to _____ feet

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

DATES

_____, 19____ Put to producing _____, 19____

The production for the first 24 hours was _____ 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

C. F. Stringer, Driller **W. D. Hall**, Driller

Dale Steinbeck, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0'	1418'	1418'	Pictured Cliffs
1418'	1580'	162'	Lewis Shale
1580'	2325'	745'	Mesa Verde
2325'	4253'	1928'	Mancos
4253'	5170'	917'	Gallup
5170'	5574'	404'	Sanastee
5574'	5925'	351'	Greenhorn
5925'	5984'	59'	Graneros
5984'	6048'	64'	Dakota

FROM-	TO-	TOTAL FEET	FORMATION
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DATE	DESCRIPTION	AMOUNT	CHECK NO.	BANK
1/1/19	Initial deposit	100.00	1001	Bank of America
1/15/19	Payment received	50.00	1002	Bank of America
2/1/19	Withdrawal	25.00	1003	Bank of America
2/15/19	Payment received	75.00	1004	Bank of America
3/1/19	Withdrawal	30.00	1005	Bank of America
3/15/19	Payment received	60.00	1006	Bank of America
4/1/19	Withdrawal	40.00	1007	Bank of America
4/15/19	Payment received	80.00	1008	Bank of America
5/1/19	Withdrawal	50.00	1009	Bank of America
5/15/19	Payment received	90.00	1010	Bank of America
6/1/19	Withdrawal	60.00	1011	Bank of America
6/15/19	Payment received	100.00	1012	Bank of America
7/1/19	Withdrawal	70.00	1013	Bank of America
7/15/19	Payment received	110.00	1014	Bank of America
8/1/19	Withdrawal	80.00	1015	Bank of America
8/15/19	Payment received	120.00	1016	Bank of America
9/1/19	Withdrawal	90.00	1017	Bank of America
9/15/19	Payment received	130.00	1018	Bank of America
10/1/19	Withdrawal	100.00	1019	Bank of America
10/15/19	Payment received	140.00	1020	Bank of America
11/1/19	Withdrawal	110.00	1021	Bank of America
11/15/19	Payment received	150.00	1022	Bank of America
12/1/19	Withdrawal	120.00	1023	Bank of America
12/15/19	Payment received	160.00	1024	Bank of America
1/1/20	Withdrawal	130.00	1025	Bank of America
1/15/20	Payment received	170.00	1026	Bank of America
2/1/20	Withdrawal	140.00	1027	Bank of America
2/15/20	Payment received	180.00	1028	Bank of America
3/1/20	Withdrawal	150.00	1029	Bank of America
3/15/20	Payment received	190.00	1030	Bank of America
4/1/20	Withdrawal	160.00	1031	Bank of America
4/15/20	Payment received	200.00	1032	Bank of America
5/1/20	Withdrawal	170.00	1033	Bank of America
5/15/20	Payment received	210.00	1034	Bank of America
6/1/20	Withdrawal	180.00	1035	Bank of America
6/15/20	Payment received	220.00	1036	Bank of America
7/1/20	Withdrawal	190.00	1037	Bank of America
7/15/20	Payment received	230.00	1038	Bank of America
8/1/20	Withdrawal	200.00	1039	Bank of America
8/15/20	Payment received	240.00	1040	Bank of America
9/1/20	Withdrawal	210.00	1041	Bank of America
9/15/20	Payment received	250.00	1042	Bank of America
10/1/20	Withdrawal	220.00	1043	Bank of America
10/15/20	Payment received	260.00	1044	Bank of America
11/1/20	Withdrawal	230.00	1045	Bank of America
11/15/20	Payment received	270.00	1046	Bank of America
12/1/20	Withdrawal	240.00	1047	Bank of America
12/15/20	Payment received	280.00	1048	Bank of America
1/1/21	Withdrawal	250.00	1049	Bank of America
1/15/21	Payment received	290.00	1050	Bank of America
2/1/21	Withdrawal	260.00	1051	Bank of America
2/15/21	Payment received	300.00	1052	Bank of America
3/1/21	Withdrawal	270.00	1053	Bank of America
3/15/21	Payment received	310.00	1054	Bank of America
4/1/21	Withdrawal	280.00	1055	Bank of America
4/15/21	Payment received	320.00	1056	Bank of America
5/1/21	Withdrawal	290.00	1057	Bank of America
5/15/21	Payment received	330.00	1058	Bank of America
6/1/21	Withdrawal	300.00	1059	Bank of America
6/15/21	Payment received	340.00	1060	Bank of America
7/1/21	Withdrawal	310.00	1061	Bank of America
7/15/21	Payment received	350.00	1062	Bank of America
8/1/21	Withdrawal	320.00	1063	Bank of America
8/15/21	Payment received	360.00	1064	Bank of America
9/1/21	Withdrawal	330.00	1065	Bank of America
9/15/21	Payment received	370.00	1066	Bank of America
10/1/21	Withdrawal	340.00	1067	Bank of America
10/15/21	Payment received	380.00	1068	Bank of America
11/1/21	Withdrawal	350.00	1069	Bank of America

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 "sidetracked," or left in the well, give its size and location. If the well has been dynamited, give date, position, and number of shots. If pings 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

Final Condition of Hole:

10875 18875 - 17155 x a n ac/1 - 7/- 140455000 - 5

[illegible]

24271. 3414, 3408, 3407, 3406, 3405, 3404, 3403, 3402, 3401, 3400, 3399, 3398, 3397, 3396, 3395, 3394, 3393, 3392, 3391, 3390, 3389, 3388, 3387, 3386, 3385, 3384, 3383, 3382, 3381, 3380, 3379, 3378, 3377, 3376, 3375, 3374, 3373, 3372, 3371, 3370, 3369, 3368, 3367, 3366, 3365, 3364, 3363, 3362, 3361, 3360, 3359, 3358, 3357, 3356, 3355, 3354, 3353, 3352, 3351, 3350, 3349, 3348, 3347, 3346, 3345, 3344, 3343, 3342, 3341, 3340, 3339, 3338, 3337, 3336, 3335, 3334, 3333, 3332, 3331, 3330, 3329, 3328, 3327, 3326, 3325, 3324, 3323, 3322, 3321, 3320, 3319, 3318, 3317, 3316, 3315, 3314, 3313, 3312, 3311, 3310, 3309, 3308, 3307, 3306, 3305, 3304, 3303, 3302, 3301, 3300, 3299, 3298, 3297, 3296, 3295, 3294, 3293, 3292, 3291, 3290, 3289, 3288, 3287, 3286, 3285, 3284, 3283, 3282, 3281, 3280, 3279, 3278, 3277, 3276, 3275, 3274, 3273, 3272, 3271, 3270, 3269, 3268, 3267, 3266, 3265, 3264, 3263, 3262, 3261, 3260, 3259, 3258, 3257, 3256, 3255, 3254, 3253, 3252, 3251, 3250, 3249, 3248, 3247, 3246, 3245, 3244, 3243, 3242, 3241, 3240, 3239, 3238, 3237, 3236, 3235, 3234, 3233, 3232, 3231, 3230, 3229, 3228, 3227, 3226, 3225, 3224, 3223, 3222, 3221, 3220, 3219, 3218, 3217, 3216, 3215, 3214, 3213, 3212, 3211, 3210, 3209, 3208, 3207, 3206, 3205, 3204, 3203, 3202, 3201, 3200, 3199, 3198, 3197, 3196, 3195, 3194, 3193, 3192, 3191, 3190, 3189, 3188, 3187, 3186, 3185, 3184, 3183, 3182, 3181, 3180, 3179, 3178, 3177, 3176, 3175, 3174, 3173, 3172, 3171, 3170, 3169, 3168, 3167, 3166, 3165, 3164, 3163, 3162, 3161, 3160, 3159, 3158, 3157, 3156, 3155, 3154, 3153, 3152, 3151, 3150, 3149, 3148, 3147, 3146, 3145, 3144, 3143, 3142, 3141, 3140, 3139, 3138, 3137, 3136, 3135, 3134, 3133, 3132, 3131, 3130, 3129, 3128, 3127, 3126, 3125, 3124, 3123, 3122, 3121, 3120, 3119, 3118, 3117, 3116, 3115, 3114, 3113, 3112, 3111, 3110, 3109, 3108, 3107, 3106, 3105, 3104, 3103, 3102, 3101, 3100, 3099, 3098, 3097, 3096, 3095, 3094, 3093, 3092, 3091, 3090, 3089, 3088, 3087, 3086, 3085, 3084, 3083, 3082, 3081, 3080, 3079, 3078, 3077, 3076, 3075, 3074, 3073, 3072, 3071, 3070, 3069, 3068, 3067, 3066, 3065, 3064, 3063, 3062, 3061, 3060, 3059, 3058, 3057, 3056, 3055, 3054, 3053, 3052, 3051, 3050, 3049, 3048, 3047, 3046, 3045, 3044, 3043, 3042, 3041, 3040, 3039, 3038, 3037, 3036, 3035, 3034, 3033, 3032, 3031, 3030, 3029, 3028, 3027, 3026, 3025, 3024, 3023, 3022, 3021, 3020, 3019, 3018, 3017, 3016, 3015, 3014, 3013, 3012, 3011, 3010, 3009, 3008, 3007, 3006, 3005, 3004, 3003, 3002, 3001, 3000, 2999, 2998, 2997, 2996, 2995, 2994, 2993, 2992, 2991, 2990, 2989, 2988, 2987, 2986, 2985, 2984, 2983, 2982, 2981, 2980, 2979, 2978, 2977, 2976, 2975, 2974, 2973, 2972, 2971, 2970, 2969, 2968, 2967, 2966, 2965, 2964, 2963, 2962, 2961, 2960, 2959, 2958, 2957, 2956, 2955, 2954, 2953, 2952, 2951, 2950, 2949, 2948, 2947, 2946, 2945, 2944, 2943, 2942, 2941, 2940, 2939, 2938, 2937, 2936, 2935, 2934, 2933, 2932, 2931, 2930, 2929, 2928, 2927, 2926, 2925, 2924, 2923, 2922, 2921, 2920, 2919, 2918, 2917, 2916, 2915, 2914, 2913, 2912, 2911, 2910, 2909, 2908, 2907, 2906, 2905, 2904, 2903, 2902, 2901, 2900, 2899, 2898, 2897, 2896, 2895, 2894, 2893, 2892, 2891, 2890, 2889, 2888, 2887, 2886, 2885, 2884, 2883, 2882, 2881, 2880, 2879, 2878, 2877, 2876, 2875, 2874, 2873, 2872, 2871, 2870, 2869, 2868, 2867, 2866, 2865, 2864, 2863, 2862, 2861, 2860, 2859, 2858, 2857, 2856, 2855, 2854, 2853, 2852, 2851, 2850, 2849, 2848, 2847, 2846, 2845, 2844, 2843, 2842, 2841, 2840, 2839, 2838, 2837, 2836, 2835, 2834, 2833, 2832, 2831, 2830, 2829, 2828, 2827, 2826, 2825, 2824, 2823, 2822, 2821, 2820, 2819, 2818, 2817, 2816, 2815, 2814, 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, 2

Abandonment Pins: 5529' - 5210', 2427' - 2271', 1500' - 1350', 28' - 12'

(Surface)

Standard 11 on 3-26-60 Re-tilled 12-1/4" hole to 327'. Cemented 8-5/8" casing

SPUNNER WITH AN 8-1/2" HOLLOW RE-1/4" K.B. W/150 SACKS CEMENT. AT 3261

3-24-60 to 4-7-60 Drilled 7-7/8" hole to 6152' T.D. Cored Dakota zone. Zone wet

Rev. 1-25-60

[illegible]

7-8-60
7-9-60
7-10-60
7-11-60
7-12-60
7-13-60
7-14-60
7-15-60
7-16-60
7-17-60
7-18-60
7-19-60
7-20-60
7-21-60
7-22-60
7-23-60
7-24-60
7-25-60
7-26-60
7-27-60
7-28-60
7-29-60
7-30-60
7-31-60

Field and Family ID 3552
Spotted 200 Kals.
Oil mud acid 5520' - 5320'.
Cemented 1/2 casing at 5506 w/1/2 cement slurry
Casing at 5506 w/1/2 cement slurry
5506 @ 5506. 12 H/W cut to 5506. 12 H/W cut to 5506.

4-10-60 - one perforated callup zone w/4 - 1/2" H.P.R. 15101-15102-15103-15104 - 5474

5466' - 5442', 5434' - 5398', 5394' - 5370', Sand-oil Encrusted 5516' - 5370' W

1035 barrels of oil including kerosene and kerosene, and 20,000 20-40 sand. BACKL

10-11-74

10-10-68

4-12 and 4-13-60 Snapped well to 5400' w/inside at 5000'. Recovered a total of 10

1. The liquid, mostly oil.

*-21-60 Temp checked with last case was OBERSTEIN Parkway.
5-3-60 Added Gallin zone w/5000 yds of mud acid.
Backfilled 16 barrels.

oil shipped 71 barrels
oil and 47 barrels acid water.

5-4 to 5-20-60 Pumped well. Last oil rate 1 barrel per day. Suspended well as

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DATE 08-01-2001 BY 60322 UCBAW

4-26-61	to 5-2-61	Squeezed Galtap zone 5529-5210 w/40 sacks cement and 350 psi shot and limited 5 1/2" casing collar at 26271. Plugged casing stop
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pressing. Shot and wound 5-1/2 casing collar at 2477. 11880 casing was 2627'-2271'. A 44 shot cement. Plugged across pictured Cliffs formation 1500'-131

W/43 sacks cement. Recovered 2413' 5-1/2" casing. Installed surface plug (5 each)

and marker. Well abandoned 5-1-61.

5-17-61 Cleaned up and abandoned well location.

ATTUALITÀ DI 100

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DATE 08-27-2019 BY 60322 UCBAW

6. THE FIRST

$\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.