

Form 9-890

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 076337
LEASE OR PERMIT TO PROSPECT W. D. Heath "B"

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
JUL 27 1953
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Stanolind Oil and Gas Company Address Box 591, Tulsa, Oklahoma
Lessor or Tract W. D. Heath "B" Field Mane-Mesaverte State New Mexico
Well No. 1 Sec 31 T30-N R9-W Meridian NMPN County San Juan
Location 990 ft. {N} of N Line and 990 ft. {W} of E Line of Section 31 Elevation 5072
(Derrick floor relative to 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 E. R. Hall

Date July 24, 1953 Title Field Superintendent

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

Commenced drilling April 2, 1953 Finished drilling April 15, 1953

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 2505 to 2600 (G) No. 4, from _____ to _____
No. 2, from 4080 to 4090 (G) 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—	
<u>9-5/8"</u>	<u>32.3</u>	<u>8</u>	<u>Nat'l</u>	<u>275</u>	<u>Guide</u>				
<u>7"</u>	<u>20</u>	<u>8</u>	<u>Smith</u>	<u>4051</u>	<u>Guide</u>				
<u>2"</u>	<u>4.7</u>	<u>8</u>	<u>J & L</u>	<u>4826</u>			<u>4819</u>	<u>4826</u>	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>9-5/8"</u>	<u>287</u>	<u>185</u>	<u>Displacement</u>		
<u>7"</u>	<u>4039</u>	<u>220 cu. ft. bridge</u> <u>& 100 sacks cement</u>	<u>Displacement</u>		

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
<u>4-1/2"</u>	<u>Tin Torpedo</u>	<u>Hercules Slow</u> <u>Detonating</u>	<u>1824 qts.</u>	<u>4-16-53</u>	<u>4089-4865</u>	<u>4865</u>

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

April 20, 1953 Put to producing June 9, 1953

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 2,830,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 1,024

EMPLOYEES

W. D. Hall _____, Driller D. E. Howard _____, Driller
L. R. Cantrell _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>287</u>	<u>287</u>	<u>Surface sand and rocks</u>
<u>287</u>	<u>2505</u>	<u>2218</u>	<u>Sand and shale</u>
<u>2505</u>	<u>2600</u>	<u>95</u>	<u>Sand (Top Pictured Cliffs (2505'))</u>
<u>2600</u>	<u>4080</u>	<u>1480</u>	<u>Shale</u>
<u>4080</u>	<u>4250</u>	<u>170</u>	<u>Sand (Top Cliffhouse - 4080')</u>
<u>4250</u>	<u>4700</u>	<u>450</u>	<u>Sand and shale (Top Manatee - 4250')</u>
<u>4700</u>	<u>4850</u>	<u>150</u>	<u>Sand (Top Point Lookout - 4700')</u>
<u>4850</u>	<u>4865</u>	<u>15</u>	<u>Shale (Top Manatee - 4850')</u>

LOG OF WELL (over) OBSERVATION 16-43094-2

FORMATION RECORD—CONTINUED

Address _____
County _____
State _____
Location _____
The information given herewith is a complete and correct record of the well and all work done thereon as far as can be determined from all available records.

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

Commenced drilling _____
Finished drilling _____
19__

OIL OR GAS SANDS OR ZONES
(Describe page 4)

The well was shot from 4069 to 4065 feet open with 1551 quarts Hercules shot
returning explosive March 6, 1953. Well was cleaned out to total depth with gas
and 28 tubing was landed at 4039 feet. Well shut in 9 days. Shut in casing pressure
1054 psi. Well measured 2630 feet day after blow down through 2" outlet
with float valve, April 30, 1953.
No. 4 from _____
No. 1 from _____

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, 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

FROM	TO	TOTAL FEET	FORMATION
4069	4065	4	Shale (top section - heavy)
4065	4060	5	Shale (top section - heavy)
4060	4055	5	Shale (top section - heavy)
4055	4050	5	Shale (top section - heavy)
4050	4045	5	Shale (top section - heavy)
4045	4040	5	Shale (top section - heavy)
4040	4035	5	Shale (top section - heavy)
4035	4030	5	Shale (top section - heavy)
4030	4025	5	Shale (top section - heavy)
4025	4020	5	Shale (top section - heavy)
4020	4015	5	Shale (top section - heavy)
4015	4010	5	Shale (top section - heavy)
4010	4005	5	Shale (top section - heavy)
4005	4000	5	Shale (top section - heavy)
4000	3995	5	Shale (top section - heavy)
3995	3990	5	Shale (top section - heavy)
3990	3985	5	Shale (top section - heavy)
3985	3980	5	Shale (top section - heavy)
3980	3975	5	Shale (top section - heavy)
3975	3970	5	Shale (top section - heavy)
3970	3965	5	Shale (top section - heavy)
3965	3960	5	Shale (top section - heavy)
3960	3955	5	Shale (top section - heavy)
3955	3950	5	Shale (top section - heavy)
3950	3945	5	Shale (top section - heavy)
3945	3940	5	Shale (top section - heavy)
3940	3935	5	Shale (top section - heavy)
3935	3930	5	Shale (top section - heavy)
3930	3925	5	Shale (top section - heavy)
3925	3920	5	Shale (top section - heavy)
3920	3915	5	Shale (top section - heavy)
3915	3910	5	Shale (top section - heavy)
3910	3905	5	Shale (top section - heavy)
3905	3900	5	Shale (top section - heavy)
3900	3895	5	Shale (top section - heavy)
3895	3890	5	Shale (top section - heavy)
3890	3885	5	Shale (top section - heavy)
3885	3880	5	Shale (top section - heavy)
3880	3875	5	Shale (top section - heavy)
3875	3870	5	Shale (top section - heavy)
3870	3865	5	Shale (top section - heavy)
3865	3860	5	Shale (top section - heavy)
3860	3855	5	Shale (top section - heavy)
3855	3850	5	Shale (top section - heavy)
3850	3845	5	Shale (top section - heavy)
3845	3840	5	Shale (top section - heavy)
3840	3835	5	Shale (top section - heavy)
3835	3830	5	Shale (top section - heavy)
3830	3825	5	Shale (top section - heavy)
3825	3820	5	Shale (top section - heavy)
3820	3815	5	Shale (top section - heavy)
3815	3810	5	Shale (top section - heavy)
3810	3805	5	Shale (top section - heavy)
3805	3800	5	Shale (top section - heavy)
3800	3795	5	Shale (top section - heavy)
3795	3790	5	Shale (top section - heavy)
3790	3785	5	Shale (top section - heavy)
3785	3780	5	Shale (top section - heavy)
3780	3775	5	Shale (top section - heavy)
3775	3770	5	Shale (top section - heavy)
3770	3765	5	Shale (top section - heavy)
3765	3760	5	Shale (top section - heavy)
3760	3755	5	Shale (top section - heavy)
3755	3750	5	Shale (top section - heavy)
3750	3745	5	Shale (top section - heavy)
3745	3740	5	Shale (top section - heavy)
3740	3735	5	Shale (top section - heavy)
3735	3730	5	Shale (top section - heavy)
3730	3725	5	Shale (top section - heavy)
3725	3720	5	Shale (top section - heavy)
3720	3715	5	Shale (top section - heavy)
3715	3710	5	Shale (top section - heavy)
3710	3705	5	Shale (top section - heavy)
3705	3700	5	Shale (top section - heavy)
3700	3695	5	Shale (top section - heavy)
3695	3690	5	Shale (top section - heavy)
3690	3685	5	Shale (top section - heavy)
3685	3680	5	Shale (top section - heavy)
3680	3675	5	Shale (top section - heavy)
3675	3670	5	Shale (top section - heavy)
3670	3665	5	Shale (top section - heavy)
3665	3660	5	Shale (top section - heavy)
3660	3655	5	Shale (top section - heavy)
3655	3650	5	Shale (top section - heavy)
3650	3645	5	Shale (top section - heavy)
3645	3640	5	Shale (top section - heavy)
3640	3635	5	Shale (top section - heavy)
3635	3630	5	Shale (top section - heavy)
3630	3625	5	Shale (top section - heavy)
3625	3620	5	Shale (top section - heavy)
3620	3615	5	Shale (top section - heavy)
3615	3610	5	Shale (top section - heavy)
3610	3605	5	Shale (top section - heavy)
3605	3600	5	Shale (top section - heavy)
3600	3595	5	Shale (top section - heavy)
3595	3590	5	Shale (top section - heavy)
3590	3585	5	Shale (top section - heavy)
3585	3580	5	Shale (top section - heavy)
3580	3575	5	Shale (top section - heavy)
3575	3570	5	Shale (top section - heavy)
3570	3565	5	Shale (top section - heavy)
3565	3560	5	Shale (top section - heavy)
3560	3555	5	Shale (top section - heavy)
3555	3550	5	Shale (top section - heavy)
3550	3545	5	Shale (top section - heavy)
3545	3540	5	Shale (top section - heavy)
3540	3535	5	Shale (top section - heavy)
3535	3530	5	Shale (top section - heavy)
3530	3525	5	Shale (top section - heavy)
3525	3520	5	Shale (top section - heavy)
3520	3515	5	Shale (top section - heavy)
3515	3510	5	Shale (top section - heavy)
3510	3505	5	Shale (top section - heavy)
3505	3500	5	Shale (top section - heavy)
3500	3495	5	Shale (top section - heavy)
3495	3490	5	Shale (top section - heavy)
3490	3485	5	Shale (top section - heavy)
3485	3480	5	Shale (top section - heavy)
3480	3475	5	Shale (top section - heavy)
3475	3470	5	Shale (top section - heavy)
3470	3465	5	Shale (top section - heavy)
3465	3460	5	Shale (top section - heavy)
3460	3455	5	Shale (top section - heavy)
3455	3450	5	Shale (top section - heavy)
3450	3445	5	Shale (top section - heavy)
3445	3440	5	Shale (top section - heavy)
3440	3435	5	Shale (top section - heavy)
3435	3430	5	Shale (top section - heavy)
3430	3425	5	Shale (top section - heavy)
3425	3420	5	Shale (top section - heavy)
3420	3415	5	Shale (top section - heavy)
3415	3410	5	Shale (top section - heavy)
3410	3405	5	Shale (top section - heavy)
3405	3400	5	Shale (top section - heavy)
3400	3395	5	Shale (top section - heavy)
3395	3390	5	Shale (top section - heavy)
3390	3385	5	Shale (top section - heavy)
3385	3380	5	Shale (top section - heavy)
3380	3375	5	Shale (top section - heavy)
3375	3370	5	Shale (top section - heavy)
3370	3365	5	Shale (top section - heavy)
3365	3360	5	Shale (top section - heavy)
3360	3355	5	Shale (top section - heavy)
3355	3350	5	Shale (top section - heavy)
3350	3345	5	Shale (top section - heavy)
3345	3340	5	Shale (top section - heavy)
3340	3335	5	Shale (top section - heavy)
3335	3330	5	Shale (top section - heavy)
3330	3325	5	Shale (top section - heavy)
3325	3320	5	Shale (top section - heavy)
3320	3315	5	Shale (top section - heavy)
3315	3310	5	Shale (top section - heavy)
3310	3305	5	Shale (top section - heavy)
3305	3300	5	Shale (top section - heavy)
3300	3295	5	Shale (top section - heavy)
3295	3290	5	Shale (top section - heavy)
3290	3285	5	Shale (top section - heavy)
3285	3280	5	Shale (top section - heavy)
3280	3275	5	Shale (top section - heavy)
3275	3270	5	Shale (top section - heavy)
3270	3265	5	Shale (top section - heavy)
3265	3260	5	Shale (top section - heavy)
3260	3255	5	Shale (top section - heavy)
3255	3250	5	Shale (top section - heavy)
3250	3245	5	Shale (top section - heavy)
3245	3240	5	Shale (top section - heavy)
3240	3235	5	Shale (top section - heavy)
3235	3230	5	Shale (top section - heavy)
3230	3225	5	Shale (top section - heavy)
3225	3220	5	Shale (top section - heavy)
3220	3215	5	Shale (top section - heavy)
3215	3210	5	Shale (top section - heavy)
3210	3205	5	Shale (top section - heavy)
3205	3200	5	Shale (top section - heavy)
3200	3195	5	Shale (top section - heavy)
3195	3190	5	Shale (top section - heavy)
3190	3185	5	Shale (top section - heavy)
3185	3180	5	Shale (top section - heavy)
3180	3175	5	Shale (top section - heavy)
3175	3170	5	Shale (top section - heavy)
3170	3165	5	Shale (top section - heavy)
3165	3160	5	Shale (top section - heavy)
3160	3155	5	Shale (top section - heavy)
3155	3150	5	Shale (top section - heavy)
3150	3145	5	Shale (top section - heavy)
3145	3140	5	Shale (top section - heavy)
3140	3135	5	Shale (top section - heavy)
3135	3130	5	Shale (top section - heavy)
3130	3125	5	Shale (top section - heavy)
3125	3120	5	Shale (top section - heavy)
3120	3115	5	Shale (top section - heavy)
3115	3110	5	Shale (top section - heavy)
3110	3105	5	Shale (top section - heavy)
3105	3100	5	Shale (top section - heavy)
3100	3095	5	Shale (top section - heavy)
3095	3090	5	Shale (top section - heavy)
3090	3085	5	Shale (top section - heavy)
3085	3080	5	Shale (top section - heavy)
3080	3075	5	Shale (top section - heavy)
3075	3070	5	Shale (top section - heavy)
3070	3065	5	Shale (top section - heavy)
3065	3060	5	Shale (top section - heavy)
3060	3055	5	Shale (top section - heavy)
3055	3050	5	Shale (top section - heavy)
3050	3045	5	Shale (top section - heavy)
3045	3040	5	Shale (top section - heavy)
3040	3035	5	Shale (top section - heavy)
3035	3030	5	Shale (top section - heavy)
3030	3025	5	Shale (top section - heavy)
3025	3020	5	Shale (top section - heavy)
3020	3015	5	Shale (top section - heavy)
3015	3010	5	Shale (top section - heavy)
3010	3005	5	Shale (top section - heavy)
3005	3000	5	Shale (top section - heavy)
3000	2995	5	Shale (top section - heavy)
2995	2990	5	Shale (top section - heavy)
2990	2985	5	Shale (top section - heavy)
2985	2980	5	Shale (top section - heavy)
2980	2975	5	Shale (top section - heavy)
2975	2970	5	Shale (top section - heavy)
2970	2965	5	Shale (top section - heavy)
2965	2960	5	Shale (top section - heavy)
2960	2955	5	Shale (top section - heavy)
2955	2950	5	Shale (top section - heavy)
2950	2945	5	Shale (top section - heavy)
2945	2940	5	Shale (top section - heavy)
2940	2935	5	Shale (top section - heavy)
2935	2930	5	Shale (top section - heavy)
2930	2925	5	Shale (top section - heavy)
2925	2920	5	Shale (top section - heavy)
2920	2915	5	Shale (top section - heavy)
2915	2910	5	Shale (top section - heavy)
2910	2905	5	Shale (top section - heavy)
2905	2900	5	Shale (top section - heavy)
2900	2895	5	Shale (top section - heavy)
2895	2890	5	Shale (top section - heavy)
2890	2885	5	Shale (top section - heavy)
2885	2880	5	Shale (top section - heavy)
2880	2875	5	Shale (top section - heavy)
2875	2870	5	Shale (top section - heavy)
2870	2865	5	Shale (top section - heavy)
2865	2860	5	Shale (top section - heavy)
2860	2855	5	Shale (top section - heavy)
2855	2850	5	Shale (top section - heavy)
2850	2845	5	Shale (top section - heavy)
2845	2840	5	Shale (top section - heavy)
2840	2835	5	Shale (top section - heavy)
2835	2830	5	Shale (top section - heavy)
2830	2825	5	Shale (top section - heavy)
2825	2820	5	Shale (top section - heavy)
2820	2815	5	Shale (top section - heavy)
2815	2810	5	Shale (top section - heavy)
2810	2805	5	Shale (top section - heavy)
2805	2800	5	Shale (top section - heavy)
2800	2795	5	Shale (top section - heavy)
2795	2790	5	Shale (top section - heavy)
2790	2785	5	Shale (top section - heavy)
2785	2780	5	Shale (top section - heavy)
2780	2775	5	Shale (top section - heavy)
2775	2770	5	Shale (top section - heavy)
2770	2765	5	Shale (top section - heavy)
2765	2760	5	Shale (top section - heavy)
2760	2755	5	Shale (top section - heavy)
2755	2750	5	Shale (top section - heavy)
2750	2745	5	Shale (top section - heavy)
2745	2740	5	Shale (top section - heavy)
2740	2735	5	Shale (top section - heavy)
2735	2730	5	Shale (top section - heavy)
2730	2725	5	Shale (top section - heavy)
2725	2720	5	Shale (top section - heavy)
2720	2715	5	Shale (top section - heavy)
2715	2710	5	Shale (top section - heavy)
2710	2705	5	Shale (top section - heavy)
2705	2700	5	Shale (top section - heavy)
2700	2695	5	Shale (top section - heavy)
2695	2690	5	Shale (top section - heavy)
2690	2685	5	Shale (top section - heavy)
2685	2680	5	Shale (top section - heavy)
2680	2675	5	Shale (top section - heavy)
2675	2670	5	Shale (top section - heavy)
2670	2665	5	Shale (top section - heavy)
2665	2660	5	Shale (top section - heavy)
2660	2655	5	Shale (top section - heavy)
2655	2650	5	Shale (top section - heavy)
2650	2645	5	Shale (top section - heavy)
2645	2640	5	Shale (top section - heavy)
2640	2635	5	Shale (top section - heavy)
2635	2630	5	Shale (top section - heavy)
2630	2625	5	Shale (top section - heavy)
2625	2620	5	Shale (top section - heavy)
2620	2615	5	Shale (top section - heavy)