

WHITE & ELLIS DRILLING, INC.,  
Box 448  
El Dorado, Kansas

March 25, 1957

Re: White & Ellis Drilling, Inc.,  
No. 1 Slaybaugh  
NW NE SE  
Sec. 21 Twp. 30S Rge. 1 E.  
Sumner County, Kansas

White & Ellis Drilling, Inc.,  
Box 448  
El Dorado, Kansas

Gentlemen:

The following is a sample analysis report on the above captioned well. Samples were examined from 2000 feet to the rotary total depth of 3845 feet. I was present during the drilling of all porous zones from the top of the Kansas City to the rotary total depth.

All tops and zones of porosity are based on rotary bushing measurements approximately 5 feet above ground level.

ELEVATION: 1237 R.B. 1234 D.F.

<u>FORMATIONS</u>	<u>DEPTH</u>	<u>SUB-SEA</u>
Stalnaker (sand)	2466	-1229
Kansas City	2769	-1532
B/Kansas City	3017	-1780
Conglomerate	3345	-2108
Mississippian	3389	-2152
Kinderhook	3780	-2543
Simpson	3841	-2604
Rotary Total Depth	3845	-2608

STALNAKER SECTION

2466-2479: Sandstone, gray, fine to medium grained, slightly shaly, calcareous and micaceous. No show.

KANSAS CITY SECTION

2795-2805: Limestone, gray, oolitic and cream finely crystalline with slight inter-crystalline porosity. No show.

2842-2850: Limestone, cream finely crystalline, oolitic and oocastic. Good oocastic porosity, no show.

2874-2879: Limestone, buff, finely crystalline, oocastic porosity. No show.

KANSAS CITY SECTION CONTINUED

2712-2917: Limestone, buff-cream, finely crystalline, sucrosic and oocastic. No show.

2944-2952: Limestone, buff, finely crystalline with excellent oocastic porosity. No show.

2957-2961: Limestone as above. No show.

CONGLOMERATE SECTION

3345-3389: Vari-colored shale with cherty, partly glauconitic limestone. No show.

MISSISSIPPIAN SECTION

3432-3446: Limestone, tan, finely crystalline, slightly dolomitic, some silty. Possible low inter-crystalline porosity. No show.

NOTE

Except for some possible slight porosity in the above section the Mississippian was composed primarily of dense cherty, limestone, grading to glauconitic, shaley limestone ( Cowley Formation ), at the base.

SIMPSON SECTION

3841-3845: Sandstone, white to clear, fine to medium grain, well rounded, dolomitic in upper part, friable below. Good odor, trace free oil, spotted fair stain dry.

D.S.T. No. 1

3835-3845: Open 1 hour, closed 20 minutes. Strong blow throughout. Recovered 1260 feet of slightly gas cut salt water.

I.F.P. 50 #

F.F.P. 495 #

B.H.P. 1255 #

COMPARATIVE SUB-SEA DEPTH

White & Ellis No. 1 Slaybaugh  
Sec. 21-30S-1E, NW NE SE  
Kansas City -1532  
Mississippian -2152  
Simpson -2604  
(Dry Hole)

Aladdin-Sunray's Bellaman  
Sec. 15-30S-1E, NE NE SW  
Kansas City -1483  
Mississippian -2109  
Simpson -2558  
(Simpson Producer)

WHITE & ELLIS DRILLING, INC.,  
Box 448  
El Dorado, Kansas

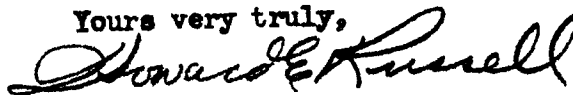
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REMARKS

On the basis of the result of the drill stem test taken on the only show of oil encountered in the drilling of this well and its failure to evidence good structural position, it was recommended that this well be declared dry and abandoned.

Yours very truly,



Howard E. Russell, Geologist.

HER:j

Casing Record

8 5/8" 190' cemented  
w/ 180 sacks

T. D. 3845'

Location: NW NE SE

Section 21-30-1E  
Sumner County, Kansas

Farm: Slaybaugh #1

Well Owner: White & Ellis Drilling, Inc., etal

Contractor: White & Ellis Drilling, Inc.,

Started: 3-5-56

Completed: 3-24-56

Kelly bushing measurements 5' above ground level.

Formation

Depth - Figures indicate bottom of formation.

Sand & shale	0-150	Top of Simpson	
Anhydrite	370		
Shale	490	Sand	3845
Shale & lime	760		
Lime	865	Dry hole, plug and abandon	
Shale & lime	925		
Lime	1075		
Shale	1280		
Lime	1501		
Lime	1550		
Shale	1640		
Lime	1680		
Shale	1750		
Lime	1885		
Shale & lime	1910		
Lime	2037		
Lime	2120		
Lime & shale	2306		
Lime	2310		
Shale & lime	2466		
Top of Stainaker			
Shale & sand	2512		
Sand	2530		
Shale	2645		
Shale & lime	2760		
Shale	2769		
Top of Kansas City			
Lime	3020		
Shale & lime	3045		
Lime & shale	3068		
Shale (sandy)	3098		
Lime & shale	3200		
Shale	3389		
Top of Mississippi			
Lime & chert	3477		
Lime (Mississippi)	3738		
Shale & lime	3780		
Top of Kinderhook			
Shale	3841		

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1 Foot Drilling time 2000' to total 3845 ft.

<u>FROM - TO</u>	<u>MINUTES</u>	<u>REMARKS</u>
2000 - 2010	4-3-5-4-4-2-2-1-1-1	Conn. @ 2008
2010 - 2020	2-2-2-2-2-3-3-3-2-2	
2020 - 2030	1½-1½-1½-1½-1½-2½-2-2-2-3	
2030 - 2040	3-3-3½-2½-2-2½-2½-3-3-2	Conn. @ 2038
2040 - 2050	3-3-3-3-3-1-1-1-1-1	
2050 - 2060	2-1-5-4-5-5-4-4-3-3	
2060 - 2070	4-3-3-3-4-3-3-4-3-4	Conn. @ 2070
2070 - 2080	3-5-4-3-2-3-4-4-4-5	
2080 - 2090	4-4-4-4-4-4-4-5-4-5	
2090 - 2100	5-5-5-5-3-4-3-3-2-3	Conn. @ 2100
2100 - 2110	5-4-4-3-5-5-6-6-4-4	
2110 - 2120	6-4-2-2-2-2-2-2-2-2	
2120 - 2130	5-5-5-5-5-4½-5½-5-4-5	Conn. @ 2130
2130 - 2140	4-4-5-5-5-6-6-5-6-6	
2140 - 2150	5-2-3-2-3-2-4-6-3-2	
2150 - 2160	2-2-5-5-5-5-5-4-3-5	Conn. @ 2160
2160 - 2170	3-5-4-4-5-6-4-5-6-7	
2170 - 2180	5-4-6-8-5-4-3½-4-3½-4	
2180 - 2190	5-5-3-3-3-2-2-2-3-4	Conn. @ 2189
2190 - 2200	3-4-3-3-3-2-2-5-5-3	
2200 - 2210	3-3-3-3-3-4-4-4-3-5	
2210 - 2220	4-5-4-4-3-5-6-8-6-5	Conn. @ 2219
2220 - 2230	4½-4½-3-2-3½-3½-3-5-4-4	
2230 - 2240	4-3-4-3½-3½-3-3-3½-3½-3½	
2240 - 2250	3½-3½-3½-4-4-3½-4½-3-4-3	Conn. @ 2248
2250 - 2260	3-2½-4-3½-3½-3½-3½-3½-3-3½	
2260 - 2270	3½-3-2½-2½-3-3-3-3½-3½-4	
2270 - 2280	3-4-3-3-3½-3-2½-1½-2-2½	Conn. @ 2277
2280 - 2290	2½-2½-4-3½-3-4-3½-3½-3-3½	
2290 - 2300	3½-3½-3½-3-3-3½-3½-4-4-3½	
2300 - 2310	3½-5-6-5-5-7-2-1-2-2	Conn. @ 2307
2310 - 2320	3-2-2-2-2-2-3-3-3-2	
2320 - 2330	3-3-2-3-3-3-2-3-3-3	
2330 - 2340	3-5-2-3-3-3-2-3-2-3	Conn. @ 2337
2340 - 2350	2-3-2-3-2-3-3-2-3-3	
2350 - 2360	2-3-3-3-3-2-3-3-2-3	
2360 - 2370	3-2-2-2-2-2-3-3-3-2	Conn. @ 2367
2370 - 2380	3-3-3-4-5-4-3-3-3-3	
2380 - 2390	3-4-4-3-4-4-3-3-3-3	
2390 - 2400	4-4-4-3-2-3-2-3-4-3	Conn. @ 2398
2400 - 2410	4-4-4-3-4-4-4-3-4-4	
2410 - 2420	3-3-3-3-3-3-3-4-3-4	
2420 - 2430	3-3-4-4-4-4-3-4-3-5	Conn. @ 2428

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Sumner County, Kansas

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<u>FROM - TO</u>	<u>MINUTES</u>	<u>REMARKS</u>
2430 - 2440	5-4-4-4-4-4-4-5-4-4	
2440 - 2450	4-5-3-4-4-5-3-4-4-5	
2450 - 2460	4-8-6-6-6-6-5-6-3-4-5	Conn. @ 2458
2460 - 2470	5-5-6-5-5-4-2-3-2-3	
2470 - 2480	2-3-2-2-2-1-2-1-1-3	
2480 - 2490	1-2-2-3-3-2-2-3-4-3	Conn. @ 2488
2490 - 2500	3-2-2-2-2-2-3-2-4-2	
2500 - 2510	2-2-2-2-3-2-2-3-2-2	
2510 - 2520	5-8-1-2-2-2-2-2-1-1	Conn. @ 2516
2520 - 2530	2-1-1-2-2-2-3-2-5-7	
2530 - 2540	4-3-3-4-3-3-4-5-4-3	
2540 - 2550	3-3-3-4-5-4-4-3-2-3	Conn. @ 2546
2550 - 2560	3-4-3-3-4-4-3-3-3-4	
2560 - 2570	3-3-3-3-3-3-3-3-3-3	
2570 - 2580	3-3-3-3-3-3-4-3-3-2 $\frac{1}{2}$	Conn. @ 2576
2580 - 2590	3-2 $\frac{1}{2}$ -3-3-3-3-2-2-2 $\frac{1}{2}$ -2 $\frac{1}{2}$	
2590 - 2600	2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -3-3-3-2-3-3-3-3	
2600 - 2610	3-3-3-3-2-3-2-2-3-2	Conn. @ 2605
2610 - 2620	4-3-3-3-2-2-2-2-3-3	
2620 - 2630	2-2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2 $\frac{1}{2}$ -3-3-3-3-3	
2630 - 2640	2-3-2 $\frac{1}{2}$ -2 $\frac{1}{2}$ -3-3-2-2-3-2	Conn. @ 2636
2640 - 2650	4-3-3-2-3-2-3-2-3-2	
2650 - 2660	3-4-2-3-3-3-4-3-2-3	
2660 - 2670	2-3-2-3-2-3-3-3-3-3	Conn. @ 2665
2670 - 2680	3-3-3-3-2-3-2-3-2-2	
2680 - 2690	3-3-2-3-3-3-3-2-3-2	
2690 - 2700	3-3-2-3-3-2-3-3-2-2	Conn. @ 2795
2700 - 2710	3-3-2-3-3-3-3-3-2-3	
2710 - 2720	3-3-3-3-3-3-3-3-3-4	
2720 - 2730	3-3-3-3-10-9-3-3-3-2	Conn. @ 2725
2730 - 2740	3-2-3-2-2-3-2-2-2-2	
2740 - 2750	3-3-3-3-3-3-3-5-3-3	
2750 - 2760	2-3-3-3-2-2-2-3-2-3	Conn. @ 2755
2760 - 2770	3-2-3-3-3-2-3-3-3-5	
2770 - 2780	5-5-5-6-5-4-5-5-4-5	
2780 - 2790	5-5-4-3-3-5-5-5-5-5	Conn. @ 2785
2790 - 2800	6-6-5-4-5-3-3-3-4-4	
2800 - 2810	3-3-4-4-4-6-4-4-4-4	
2810 - 2820	5-4-5-6-6-6-10-10-8-7	Conn. @ 2816
2820 - 2830	5-5-5-9-10-7-4-7-4-4	
2830 - 2840	4-6-4-3-3-4-3-5-3-3	
2840 - 2850	4-5-3-3-3-2-6-6-7-5 $\frac{1}{2}$	Conn. @ 2846
2850 - 2860	8 $\frac{1}{2}$ -6 $\frac{1}{2}$ -3 $\frac{1}{2}$ -5-3-2-3-2 $\frac{1}{2}$ -2	
2860 - 2870	3-4-6-8-10-8-4-3-4-5	
2870 - 2880	5-3-3-5-2-1-1-1-2-4	Conn. @ 2876

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<u>FROM--TO</u>	<u>MINUTES</u>	<u>REMARKS</u>
2880 - 2890	4-5-6-6-4-4-5-10-10-7	
2890 - 2900	6-5-4-4-6-5-7-5-7-6	
2900 - 2910	5-6-5-5-6-5-6-7-8-5	Conn. @ 2906
2910 - 2920	6-6-5-4-3-3-3-6-5-4	
2920 - 2930	7-7-6-6-5-6-7-10-9-10	
2930 - 2940	10-11-11-7-5-7-8-5-7-7	Conn. @ 2936
2940 - 2950	6-8-8-7-4-4-3-1-1-2	
2950 - 2960	1-3-5-5-12-7-8-5-1-3	
2960 - 2970	3-4-5-4-5-8-7-8-7-10	Conn. @ 2966
2970 - 2980	11-7-8-9-8-8-8-7-4-5	
2980 - 2990	7-10-9-10-7-10-8-8-10-9	
2990 - 3000	8-9-8-10-11-11-7-15-12-13	Conn. @ 2996
3000 - 3010	13-8-8-9-9-9-8-7-4-6	
3010 - 3020	7-9-9-9-7-11-9-5-8-8	
3020 - 3030	5-4-5-4-5-5-6-5-5-5	Conn. @ 3026
3030 - 3040	4-5-5-4-4-5-5-5-4-5	
3040 - 3050	5-5-5-6-5-9-10-10-11-11	
3050 - 3060	9-8-7-8-5-6-8-5-7-6	Conn. @ 3055
3060 - 3070	6-6-5-6-6-6-6-5-4	
3070 - 3080	3-3-3-1-3-3-2-2-2-3	
3080 - 3090	5-5-6-6-5-5-4-4-5-4	Conn. @ 3085
3090 - 3100	5-5-4-4-4-4-4-6-4-9	
3100 - 3110	9-7-7-9-7-9-7-9-9-7	
3110 - 3120	8-5-4-4-7-7-8-7-6-9	Conn. @ 3115
3120 - 3130	9-7-8-9-8-9-8-8-7-9	
3130 - 3140	7-8-7-7-10-6-5-8-5-5	
3140 - 3150	5-5-5-5-5-5-5-5-6-7	Conn. @ 3144
3150 - 3160	7-8-7-6-6-6-7-7-7-6	
3160 - 3170	7-6-6-7-6-7-6-7-4-4	
3170 - 3180	6-7-6-5-6-5-3-2-3-5	Conn. @ 3175
3180 - 3190	4-4-7-8-7-8-10-8-6-7	
3190 - 3200	6-6-5-6-6-7-7-7-4-6	
3200 - 3210	3-6-5-6-5-2-2-3-2-3	Conn. @ 3203
3210 - 3220	3-2-3-4-5-7-8-7-7-7	
3220 - 3230	8-7-9-8-8-7-8-9-7-6	
3230 - 3240	5-6-5-5-4-3-5-6-8-7	Conn. @ 3233
3240 - 3250	7-7-6-7-6-7-6-7-6-6	
3250 - 3260	7-6-6-6-8-6-6-6-6-9	
3260 - 3270	8-3-5-5-5-5-5-5-5-4	Conn. @ 3262
3270 - 3280	5-4-5-5-5-4-2-4-5-5	
3280 - 3290	5-3-2-2-3-2-4-4-5-4	
3290 - 3300	4-2-3-6-5-6-5-5-4-3	Conn. @ 3292
3300 - 3310	4-3-4-5-5-3-3-4-5-4	
3310 - 3320	3-2-5-6-5-6-6-5-3-4	
3320 - 3330	5-5-5-5-5-5-3-6-5-4	Conn. @ 3322

# TIME LOG

White & Ellis Drlg. Inc., Slaybaugh # 1 - NW NE SE Sec. 21-30-1E

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<u>FROM - TO</u>	<u>MINUTES</u>	<u>REMARKS</u>
3330 - 3340	3-4-7-7-5-4-3-5-3-5	
3340 - 3350	5-6-6-6-6-4-4-5-5-4	
3350 - 3360	4-5-4-4-4-4-4-7-8-8	Conn. @ 3353
3360 - 3370	4-4-5-5-5-6-4-4-4-3	
3370 - 3380	4-3-4-5-6-5-5-3-4-5	
3380 - 3390	6-4-4-5-4-6-6-5-5-7	Conn. @ 3382
3390 - 3400	4-8-11-11-12-5 $\frac{1}{2}$ -5-6 $\frac{1}{2}$ -7-8	
3400 - 3410	9-7-9-7-10-9-11-12-13-16	
3410 - 3420	16-15-14-6-16-17-14-14-13-15	Conn. @ 3411
3420 - 3430	20-20-15-10-14-11-10-14-14-14	
3430 - 3440	14-15-12-10-12-12-11-9-8-7	
3440 - 3450	9-10-11-10-10-13-12-13-10-10	Conn. @ 3442
3450 - 3460	11-14-14-15-14-14-13-16-14-13	
3460 - 3470	22-16-14-15-20-15-13-12-14-16	
3470 - 3480	12-13-14-16-14-14-16-4-5-6	Conn. @ 3471
3480 - 3490	5-6-4-5-7-6-8-8-10-10	
3490 - 3500	11-12-13-13-12-12-10-11-9-9	
3500 - 3510	13-11-14-22-17-12-15-18-15-13	
3510 - 3520	17-16-17-18-15-13-15-17-17-12	
3520 - 3530	14-11-10-12-14-13-10-14-14-18	Conn. @ 3530
3530 - 3540	14-13-16-15-14-15-16-10-10-9	
3540 - 3550	10-9-10-9-8-10-9-9-10-9	
3550 - 3560	10-10-10-11-9-10-9-9-10-11	Conn. @ 3560
3560 - 3570	11-10-12-10-16-14-15-14-13-13	
3570 - 3580	14-13-18-15-16-15-15-15-17-14	
3580 - 3590	15-17-17-16-17-16-16-16-15-17	Conn. @ 3588
3590 - 3600	17-17-16-16-18-18-17-18-18-18	
3600 - 3610	19-19-17-17-17-24-20-19-16-16	
3610 - 3620	20-22-14-18-20-17-19-20-22-25	Conn. @ 3618
3620 - 3630	23-25-28-22-26-21-24-24-24-24	
3630 - 3640	25-25-24-27-25-27-29-24-28-27	
3640 - 3650	23-9-13-13-15-13-16-13-14-14-15	Conn. @ 3648
3650 - 3660	15-13-15-13-14-13-15-14-16-14-	
3660 - 3670	14-14-14-16-16-15-15-16-15-13	
3670 - 3680	13-14-12-16-15-11-14-15-14-14	Conn. @ 3678
3680 - 3690	14-15-13-17-13-18-15-15-15-12	
3690 - 3700	13-12-13-14-15-14-13-14-14-16	
3700 - 3710	15-16-16-13-11-12-14-14-6-6	Conn. @ 3707
3710 - 3720	7-8-10-11-13-11-10-10-10-13	

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<u>FROM -- TO</u>	<u>MINUTES</u>	<u>REMARKS</u>
3720 - 3730	11-14-17-18-11-8-8-9-9-9	
3730 - 3740	9-7-8-8-8-10-5-5-7	
3740 - 3750	7-8-8-7-6-6-5-4-5-5	Conn. @ 3741
3750 - 3760	8-6-4-6-5-5-4-6-5	
3760 - 3770	4-5-5-5-5-5-6-7-6	
3770 - 3780	9-9-9-9-9-10-10-10-9	Conn. @ 3771
3780 - 3790	6-6-7-6-6-6-7-6-5-5	
3790 - 3800	7-6-6-5-5-4-6-5-4-5	
3800 - 3810	4-4-5-5-5-5-4-4-4-4	Conn. @ 3802
3810 - 3820	5-5-5-6-6-6-5-6-5-4	
3820 - 3830	4-5-5-5-5-4-4-5-4	
3830 - 3840	4-6-5-5-5-6-6-6-6	
3840 - 3845	12-17-15-10	