WERELL O. JOHNS

B. & R. Drilling Co. and C.A.M. Corporation
#1 Dauber
SE/SE/NW; 12-13S-13W
Russell County, Kansas
Elevation: 1585 Derrick floor

8 5/8" casing 292 225 sacks
5 ½ casing 2920' 75 sacks
Comm: 7/28/49
Comp:

Note: All measurements are from the top of the rotary bushing which is 3 feet above the derrick floor.

Depth	Formation Description	Remarks
		Drillers log from 0' to 2500'
0 - 35	Surface soil	
35 - 45	Sand	
45 - 95	Sand and shale	
95 - 225	Shale and shells	
225 - 275	Shale and sand	
275 - 292	Shale and red beds	
292 - 305	Shale and shells	
305 - 568	Red beds	
568 - 610	Anhydrite	Stone Corral - Electric log
610 - 730	Shale and red beds	
730 - 960	Shale and shells	
960 - 1200	Shale and salt	
1200 - 1445	Shale and limestone	
1445 - 2500	Limestone and shale	Top Tarkio 2156 (electric log Top Topeka 2450 (electric log
2500 - 2518	Shale, gray and brown, with limestone streaks	Sample log 2500 to total depth
2518 - 2560	Limestone, tan to gray, finely crystalline, some chert, gray opaque, in bottom part	
2560 - 2578	Limestone, tan, gray & brown, finely crystalline	
2578 - 2585	Limestone, as above, some black oolites, some gray chert, possible porosity	No show
2585 - 2594	Limestone, as above, no oolites chert or porosity	
2594 - 2596	Shale, black	
2596 - 2609	Limestone, as above, some porosity	No show
2609 - 2624	Limestone, as above, no porosity	
2624 - 2630	Sand, gray, angular, fine to coarse, porous	No show
2630 - 2632	Limestone, as above	
2632 - 2640	Shale, gray-green, with limestone streaks	
2640 - 2641	Limestone, as above	
2641 - 2645	Limestone, light gray-tan sub-crystalline, trace pin-point porosity	No show
2645 - 2647	Limestone, as above, no porosity	
2651 - 2653	Limestone, as above, no porosity	
2647 - 2651	Limestone, as above, some vugular porosity	Trace dark stain, probably dead
2653 - 2657	Shale, gray	

Depth	Formation Description	Remarks
2657 - 2675	Limestone, gray to dark gray dense	
2675 - 2679	Limestone, light tan finely crystalline, trace porosity	No show
2679 - 2684	Limestone, as above, no porosity	
2684 - 2688	Limestone, light tan to white, very finely oolicastic, good porosity	No show
2688 - 2694	Limestone and shale	
2694 - 2699	Limestone, gray, sub-crystalline to semi-sucrose, possibly some porosity	
2699 - 2717	Limestone, tan to brown, sub-crystalline chert, gray opaque	
2717 - 2722	Shale, soft black	Heebner
2722 - 2725	Limestone, buff-sub-crystalline to crystal-line	
2725 - 2740	Shale, green and gray	
2740 - 2751	Limestone, white to light tan finely crystalline, chert, gray opaque	Dodge
2751 - 2780	Shale, green, gray and brown, trace fine gray silty sand	Douglas
2780 - 2795	Limestone, tan to brown to gray, finely crystalline	Top Lansing 2780
2795 - 2805	Trace oolites in limestone, trace porosity	Trace stain
2805 - 2815	Limestone, as above, some white translucent oolitic chert	
2815 - 2828	Limestone, tan and brown, sucrose, oolitic and oolicastic, some chert as above, good porosity. Non porous 2819-20	Fair odor, fair show of free oil. Possibly less oil below 2820.
2828 - 2850	Limestone, gray tan to brown sub-crystalline trace chert at bottom, gray and brown opaque	
2850 - 2854	Limestone, and dark gray shale	
2854 - 2856	Limestone, as above	
2856 - 2859	Limestone, as above, oolicastic, fair porosity poor permeability	No show
2859 - 2870	Limestone, tan to dark gray, dense, chert brown to black opaque, trace shale	
2870 - 2873	Limestone, as above, oolicastic, trace porosity	Trace stain, no odor or free oil
2873 - 2885	Limestone, white to tan and gray, finely crystalline, chert, white & gray opaque	
2885 - 2891	Limestone, white, oolitic and oölicastic, good porosity	No odor or free oil, fair stain
2891 - 2894	Limestone, as above, non-oolitic & non-porous	
2894 - 2901	Limestone, as above, oolitic, oolicastic, and porous	No odor or free oil, trace stain
2901 - 2924	Limestone, tan to gray sub-crystalline, chert white to gray opaque	
2924 - 2930	Limestone and chert as above, some shale streaks	
2930 - 2935	Shale, dark gray to black	
2935 - 2948	Limestone, light gray-tan, finely crystal-line, chert as above.	
2948 - 2950	Shale, black	
2950 - 2965	Limestone, as above, no chert	

(3) #1 Dauber Formation Log

Depth	Formation Log	Remarks
2965 - 2969	Limestone, tan to brown, sub-crystalline to sucrose, oolitic, oolicastic, some porosity	No show
2969 - 2975	Limestone, brown, dense	
2975 - 2978	Porous limestone as from 2965 - 69	
2978 - 2999	Limestone, gray to brown dense	
2999 - 3003	Shale, black	
3003 - 3007	Limestone, gray-sub-crystalline to finely crystalline	
3007 - 3014	Limestone, as above, samples show no porosity, but electric log shows good porosity	No show
3014 - 3028	Limestone, tan sub-crystalline, some chert tan to white, opaque to translucent	
3028 - 3037	Shale, gray-green, probably limestone streaks	
3037 - 3057	Limestone, tan to brown, dense	
3057 - 3059	Shale, gray and green	
3059 - 3067	Limestone, gray to brown, dense	
3067 - 3072	Shale, gray, green and brown	
3072 - 3075	Limestone, as above	Base Kansas City 3075
3075 - 3084	Shale, green and brown	Marmaton 3075
3084 - 3091	Limestone, gray-brown and red, sub-crystalline	
3091 - 3101	Shale, gray, green and brown with limestone streaks	
3101 - 3112	Shale, as above with streaks limestone and white chert	
3112 - 3128	Shale, maroon, green, vari-colored thin streaks red and tan limestone with trace colites	
3128 - 3158	Chert, red, yellow, white opaque to translucent, some brown shale & red limestone	Top Conglomerate 3128
3158 - 3197	Limestone, coarsely crystalline, white red and yellow, much shale & chert in samp.	May be Viola, may be Conglomerat
3197 - 3204	Chert, vari-colored	
3204 - 3243	Shale, green and brown, much pyrite, some chert trace sand and dolomite	Simpson
3243 - 3275	Dolomite, buff to white coarsely crystalline to finely crystalline, some white oolitic translucent chert	Arbuckle, no odor or stain
3275	Total depth	
2813 - 2820	Drill Stem test	Open 20 minutes, very small blow. Recovered 30' mud-slight odor of oil and slightly oil cut.

Samples examined and log compiled by Wendell S. Johns.