

DRILLING TIME LOG

Cramhart-Miller #1 Stout
 NW-SE-SW 8-31-6E
 Cowley County, Kansas.

W. VERNON HESS
 PETROLEUM GEOLOGIST
 WICHITA, KANSAS

DEPTH	MINUTES	REMARKS
1700-1710	2-2-2-2-2-2-2-2-2	
1710-1720	1-1-1-2-1-1-1-2-1-2	
1720-1730	2-1-5-8-4-3-3-3-2-2-	
1730-1740	3-3-3-3-3-3-3-3-2-2	
1740-1750	2-2-2-2-2-2-2-2-3-3	
1750-1760	3-3-3-2-2-3-3-3-3-3	
1760-1770	3-3-4-3-4-3-2-2-2-3	
1770-1780	3-3-3-4-5-3-3-3-4-4	
1780-1790	4-3-4-5-4-4-3-3-4-4	
1790-1800	4-3-3-2-2-2-3-3-3-3	
1800-1810	2-2-3-2-2-3-3-3-3-4	
1810-1820	3-3-4-3-2-2-3-4-3-2	
1820-1830	2-2-2-2-1-2-2-2-2-2	
1830-1840	2-2-2-3-2-3-3-3-3-3	
1840-1850	3-3-3-3-3-4-4-3-3-3	
1850-1860	4-3-3-4-4-4-4-3-3-3	
1860-1870	3-3-2-3-3-5-5-4-4-3	
1870-1880	4-4-3-3-4-4-4-2-3-2	
1880-1890	4-5-6-5-5-5-5-5-5-5	
1890-1900	5-5-5-3-2-5-5-5-6-6	
1900-1910	4-4-4-3-4-4-5-5-5-6	
1910-1920	7-7-11-8-8-9-9-10-7-8	
1920-1930	6-4-4-4-3-3-5-2-2-1	Trip at 1921
1930-1940	2-2-3-2-2-2-2-2-2-4	
1940-1950	2-2-2-2-2-2-2-2-2-2	
1950-1960	2-2-2-2-2-3-3-4-2-4	
1960-1970	2-1-2-2-2-3-2-2-3-2	
1970-1980	3-2-2-3-3-5-5-3-3-3	
1980-1990	3-3-5-3-3-2-2-2-2-2	
1990-2000	3-5-2-2-2-3-2-3-3-3	
2000-2010	3-3-2-2-2-3-2-2-2-2	
2010-2020	1-1-2-2-2-1-1-1-1-2	
2020-2030	2-2-2-1-3-2-2-2-2-2	
2030-2040	2-2-2-2-2-2-2-2-2-2	
2040-2050	2-2-2-2-1-1-1-1-2-2	
2050-2060	1-2-2-2-1-1-2-3-3-3	
2060-2070	2-3-3-2-3-3-3-3-3-2	
2070-2080	2-2-2-2-2-4-2-3-3-2	
2080-2090	4-3-2-4-4-3-4-3-3-4	
2090-2100	3-3-3-3-5-5-3-3-4-3	
2100-2110	4-3-4-3-3-3-3-3-2-2-	
2110-2120	3-2-3-3-2-3-2-3-2-3	
2120-2130	3-3-3-2-3-3-3-3-4-3	
2130-2140	2-4-4-4-4-3-3-2-2-3	
2140-2150	2-2-3-2-2-2-3-3-2-3	
2150-2160	3-2-3-2-3-2-2-3-2-2	
2160-2170	2-3-4-4-3-5-5-4-4-5	
2170-2180	5-5-5-5-5-5-5-4-3-6	
2180-2190	6-4-3-3-4-4-4-4-5-5	
2190-2200	5-4-3-3-3-2-3-3-3-3	
2200-2210	4-4-3-4-5-4-4-4-4-4	
2210-2220	3-4-4-3-4-3-3-3-4-3	
2220-2230	3-2-3-2-3-6-6-8-6-7	
2230-2240	8-7-6-7-10-5-7-6-6-8	
2240-2250	6-8-9-9-6-10-10-10-7-10	
2250-2260	11-10-10-9-10-7-4-4-5-5	
2260-2270	8-5-5-6-7-4-9-9-10-7-8	
2270-2280	8-7-10-10-9-9-10-8-8-7	
2280-2290	10-10-10-10-10-9-7-6-6-5	
2290-2300	5-4-5-5-2-4-3-2-2-3	
2300-2310	3-4-4-4-4-3-4-7-8-9	
2310-2320	11-12-12-10-14-9-12-12-14-5	
2320-2330	6-4-3-4-4-4-5-3-3-10	
2330-2340	10-10-10-7-9-4-3-3-4-3	
2340-2350	3-6-6-6-7-8-5-5-5-6	
2350-2360	6-7-6-7-6-6-5-6-6-5	
2360-2370	4-4-4-3-3-3-4-5-5-7	
2370-2380	7-7-8-8-9-10-9-8-9-8	
2380-2390	8-9-8-8-11-8-6-6-6-7	
2390-2400	7-7-8-6-6-3-3-3-4-3	

DRILLING TIME LOG

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 NW-SE-SW 8-31-6E
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 WICHITA, KANSAS

DEPTH	MINUTES	REMARKS
2400-2410	4-3-4-3-6-4-3-3-4-4	
2410-2420	3-4-5-4-4-3-3-3-3-3	
2420-2430	4-4-6-5-3-4-4-3-3-3	
2430-2440	4-3-4-3-3-4-4-4-3-3	
2440-2450	4-3-4-4-3-4-4-4-4-4	
2450-2460	4-4-5-5-4-4-4-4-4-4	
2460-2470	4-4-3-4-4-5-3-3-4-3	
2470-2480	4-3-4-4-5-7-8-10-10-10	
2480-2490	10-8-7-9-6-4-7-5-5-5	
2490-2500	6-11-11-10-6-6-5-4-5-3	
2500-2510	3-4-4-4-5-5-5-5-4-4	
2510-2520	7-6-4-2-3-3-4-3-3-4	
2520-2530	4-4-4-4-4-4-4-4-4-4	
2530-2540	3-3-3-2-3-4-3-4-4-4	
2540-2550	3-3-2-3-3-2-3-2-4-4	
2550-2560	9-9-6-6-5-6-7-7-7-7	
2560-2570	6-6-4-3-3-5-6-5-6-6	
2570-2580	7-7-8-8-8-8-7-7-10-8	
2580-2590	8-4-3-5-6-6-5-6-5-8	
2590-2600	9-12-14-7-7-8-8-8-9-9	Trip at 2600
2600-2610	8-6-7-6-7-8-7-6-5-6	
2610-2620	3-3-3-4-5-5-8-8-7-7	
2620-2630	4-4-4-4-5-5-5-5-5-4	
2630-2640	4-3-4-4-3-3-3-4-3-4	
2640-2650	4-3-3-3-4-5-4-5-5-5	
2650-2660	5-5-4-3-4-5-4-5-5-5	
2660-2670	6-4-3-4-4-6-5-6-5-5	
2670-2680	5-5-6-5-5-5-6-6-7-4	
2680-2690	6-5-4-3-3-5-5-6-6-6	
2690-2700	4-5-4-4-6-4-5-6-8-7	
2700-2710	6-6-6-6-7-6-6-7-6-6	
2710-2720	6-6-5-5-5-5-5-3-3-4	
2720-2730	3-4-5-6-5-4-4-5-4-4	
2730-2740	4-4-4-4-4-3-6-4-5-3	
2740-2750	3-3-4-3-4-3-5-4-5-4	
2750-2760	5-4-4-4-4-3-4-5-4-4	
2760-2770	2-3-3-3-3-3-4-3-3-3	
2770-2780	4-3-4-6-3-x-x-3-4-4	
2780-2790	3-4-5-4-4-4-3-3-4-4	
2790-2800	4-4-3-4-4-3-3-2-3-3	
2800-2810	3-3-3-3-3-2-3-3-3-3	Cir. at 2803
2810-2820	3-3-3-3-3-3-3-3-3-3	Cir. at 2804 & 2804
2820-2830	3-3-3-3-3-4-3-4-4-4	Cir. & D.S.T. #1 at 2824
2830-2840	3-4-3-3-3-3-3-3-3-3	
2840-2850	3-3-4-3-3-3-2-2-4-3	Cir. and D.S.T. #2 at 2850
2850-2860	2-2-3-2-3-3-4-5-5-5	Cir. at 2845.
2860-2870	5-5-5-5-4-5-6-6-4-5	Cir. at 2865
2870-2880	5-4-4-5-4-6-6-7-6-6	
2880-2890	6-5-6-5-6-7-7-6-6-4	
2890-2900	6-6-7-7-5-2-1-1-5-6	
2900-2910	7-9-8-9-8-10-9-9-10-14	
2910-2915	16-18-20-17-20	Cir. at 2915.

R.T.D. 2915.