J. A. Terteling & Sons and
Harms-Burt Drilling Company
1823 Washington Street
Great Bend, Kansas

Hale #1
NE NE NW of
Sec. 11-7S-23W
Graham County, Kansas

DRILLING TIME LOG

3301-3310	4 5 2 1 5 4 3 4 5 2	
3320	1 1 3 5 5 4 5 4 5 2	
3330	2 3 5 4 5 4 4 5 4 5	
3340	4 3 4 4 3 6 5 5 5 5	
3350	5 3 4 4 5 5 5 5 5 7	
3360	6 6 6 5 7 8 6 4 5 5	
3370	4 6 5 7 10 2 2 2 3 2	Trip for bit OWV at 3365°
3380	2 2 2 1 1 1 1 ½ ½ 2	
3390	3 3 5 5 3 4 4 2 3 4	
3400	3 2 2 1 2 1 2 2 2 4	
3400-3410	4 3 4 3 3 4 2 4 4 3	
3420	3 4 6 5 6 4 7 4 3 5	
3430	6 5 3 4 4 4 4 2 3 2	
3440	5 3 3 6 5 5 3 3 1 2	
3450	2 2 3 2 3 5 5 5 5 4	
3460	4 3 3 2 3 3 3 4 4 4	
3470	5 4 3 4 5 2 2 2 5 3	
3480	6 7 4 4 3 4 5 6 5 5	
3490	3 4 4 2 3 4 3 3 4 4	
3500	4 5 5 4 5 6 6 6 6 7	
3500-3510	9 8 5 3 7 4 3 2 2 3	
3520	3 2 1 1 2 1 2 2 2 3	
3530	3 3 4 5 7 9 8 4 5 8	
3540	6 3 3 5 7 6 5 5 5 6	
3550	4 6 6 4 3 3 3 5 4 4	
3560	6 6 5 5 4 5 5 7 8 9	
3570	8 6 5 8 10 10 10 7 5 5	
3580	4 5 6 10 9 10 9 10 7 9	
3590	6 6 5 5 3 5 6 6 5 6	
3600	5 6 4 6 6 5 6 6 4 3	
3600-3610	2 4 4 3 4 5 6 5 7 10	
3620	9 3 3 4 6 7 9 7 7 8	
3630	7 9 9 7 7 7 7 6 7 9	
3640	5 7 7 7 9 9 6 5 6 8	
3650	12 14 15 12 16 14 12 8 10 8	
3660	7 10 10 9 11 7 11 12 15 11	
3670	14 13 13 9 10 11 10 7 8 8	Circulate at 3667 and 3668°
3680	8 9 7 11 8 8 7 9 11 7	
3690	7 7SR 9 11 6 5SR 8 12 8 8	
3700	7 6 5 7 5 7 7 8 9 7	
3700-3710	9 8 10 10 9 8 8 9 6SR 6	Circulate at 3705°
3720	10 11 6 6 5 5 5 8 3 5	Circulate at 3717°
3730	6 6 10 10 7 8 11 8 8 10	Circulate at 3730°
3740	9 11 11 10 9 10 11 8 10 11	
3750	9 10 10 8 9 9 10 11 9 11	
3760	11 9 10 9 12 11 8 5 10 9	
3770	10 6 8 9 6 7 8 8 8 7	
3780	7 6 5 5 4 5 7 7 6 10	Circulate at 3780°
3790	7 7 9 8 8 7 8 7 8 8	Circulate at 3790°
3800	10 10 8 10 10 14 15 10 9 9	
3800-3810	9 10 11 13 9 7 10 9 9 9	
3820	8 10 11 7 7 7 6 7 8 7	
3830	7 8 5 6 5 6 6 7 8 8	
3840	7 9 8 8 8 7 6 8 7 8	
3850	9 9 9 6 7 5 4 3 2 3	Circulate at 3850°
3860	2 2 2 2 2 2 2 2 2 3	
3870	3 2 3 3 4 4 4 6 6 9	
3880	9 8 6 7 7 6 6 5 5 6	
3890	5 6 7 7 7 8 7 7 9 7	
3900	8 7 10 10 10 7 7 8 9 8	
3900-3910	7 8 8 9 10 10 9 8R 7R 6	
3920	9 9 10 10 10 11 10R 12 11 9	

3930	11 12 12 11 10 14 11 10 14 15	
3940	15 16 16 17 23 7 8 8 9 8	Trip for bit W7 at 3935'
3950	9 9 9 8 8 9 8 7SR 9 7	
3960	5SR 6SR 5 7SR 8 9 9 9 8 9	
3970	10 12 12 10 10 9 9 10 8 10	
3980	11 10 9 8 11 9 10 8 8 9	
3990	10 12 9 10 11 11 10 13 11 13	
4000	13 9 3 5 3 7 8 10 10 7	
4000-4010	8 7 9 9 5 6 8 7 7 8	
4020	6 7 7 7 6 8 7 6 8 7	
4030	5 6 5 4VSR 5 4SR 3SR 2R 4 6	
4040	6 9 10 10 10 9 9SR 8SR 7 8	
4050	8 9 8SR 11SR 9 10 11 14 14 17	
4060	10 8 12 14 11 9 8 9	Circulate at 4058' Total Depth 4058'