

HAT DRILLING  
 12371 KS HWY 7  
 MOUND CITY, KS 66056  
 LICENSE # 33734

Daniel #DI-5  
 API # 15-003-24906-00-00  
 SPUD DATE 8-24-10

Footage	Formation	Thickness	Set 42.15' of 7"
2	Topsoil	2	TD 804'
31	clay	29	Ran 801' of 2 7/8
41	shale	10	
67	lime	26	
94	shale	27	
99	lime	5	
125	shale	26	
135	lime	10	
147	shale	12	
156	lime	9	
161	shale	5	
200	lime	39	
208	shale	8	
234	lime	26	
239	shale	5	
250	lime	11	
258	sand	8	
285	shale	27	
299	sand	14	
424	shale	125	
431	red bed	7	
446	lime	15	
497	shale	51	
506	lime	9	
523	shale	17	
526	lime	3	
550	shale	24	
565	lime	15	
582	shale	17	
586	lime	4	
618	shale	32	
620	sandy shale	2	
643	sand	23	good odor, good bleed
658	shale	15	
660	sand	2	little odor, no bleed
720	shale	60	
721	coal	1	
748	shale	27	
754	sand shale	6	
766	sand	12	
770	sandy shale	3	
772	black sand	2	
773	coal	1	
804	shale	31	