

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

Schmidt 4-13
 API # 15-091-24152-00-00
 SPUD DATE 1-08-14

Footage	Formation	Thickness	Set 42' of 7"
2	Topsoil	2	TD 896'
5	clay	3	Ran 891' of 2 7/8
8	sand stone	3	
20	lime	12	
28	shale	8	
36	lime	8	
45	shale	9	
55	lime	10	
91	shale	36	
109	lime	18	
130	shale	21	
138	lime	8	
160	shale	22	
170	lime	10	
190	shale	20	
218	lime	28	
233	shale	15	
249	lime	16	
284	shale	35	
324	lime	40	
327	shale	3	
369	lime	42	
543	shale	174	
556	lime	13	
586	shale	30	
590	lime	4	
630	shale	40	
633	lime	3	
830	shale	197	
831	sand/shale	1	good odor, strong bleed
837	oil sand	6	great odor, great bleed
838	black sand	1	little odor, good bleed
896	shale	58	