

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

Richardson #V-2
 API # 15-121-30095-00-00
 SPUD DATE 04-28-14

Footage	Formation	Thickness	Set 21' of 8 5/8" TD 568' Ran 557' of 4 1/2 on 05-01-14
2	Topsoil	2	
24	lime	22	
34	shale	10	
38	lime	4	
41	shale	3	
49	lime	8	
93	shale	44	
110	lime	17	
118	shale	8	
150	lime	32	
160	shale	10	
180	lime	20	
185	shale	5	
197	lime	12	
214	shale	17	
217	lime	3	
330	shale	113	
370	lime	40	
380	shale	10	
384	sand shale	4	very light odor, no bleed, very little sand mixed in
415	shale	31	
424	lime	9	
435	shale	11	
438	lime	3	
451	shale	13	
467	lime	16	
484	shale	17	with lime streaks
486	lime	2	
488	lime	2	with oil show
490	lime	2	
498	shale	8	
502	sand	4	good odor + bleed, 50% sand
505	sandy shale	3	little odor, no bleed, 25% sand
568	shale	63	

