

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

Hadl #14  
API # 15-045-22050-00-00  
SPUD DATE 12-19-13

Footage	Formation	Thickness	Set 44' of 7"
2	Topsoil	2	TD 855'
11	clay	9	Ran 852' of 2 7/8 on 12-20-13
22	sand stone	11	
65	shale	43	
155	sand	90	
178	lime	23	
185	shale	7	
196	lime	11	
206	shale	10	
228	lime	22	
245	shale	17	
311	lime	66	
341	shale	30	
363	lime	22	
373	shale	10	
502	lime	129	
670	shale	168	
675	lime	5	
686	shale	11	
695	lime	9	
765	shale	70	
767	sandy/shale	2	slight odor
775	sand	8	good bleed, great odor
776	sand/shale	1	good bleed, good odor
779	sand	3	great bleed, good odor
855	shale	76	

