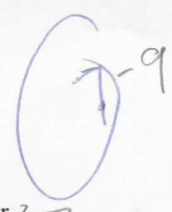


HAT DRILLING
 12371 KS HWY 7
 MOUND CITY, KS 66056
 LICENSE # 33734

Schmidt I-13
 API # 15-091-24294-00-00
 SPUD DATE 6-27-14

Footage	Formation	Thickness	Set 40' of 7" TD 898'
2	Topsoil	2	
11	clay	9	Ran 893' of 2 7/8 on 6-30-14
30	lime	19	
35	shale	5	
48	lime	13	
54	shale	6	
72	lime	18	
93	shale	21	
118	lime	25	
137	shale	19	
174	lime	37	
190	shale	16	
194	lime	4	
210	shale	16	
216	lime	6	
236	shale	20	
252	lime	16	
288	shale	36	
291	lime	3	
303	shale	12	
325	lime	22	
331	shale	6	
353	lime	22	
357	shale	4	
371	lime	14	
547	shale	176	
551	lime	4	
555	shale	4	
560	lime	5	
569	shale	9	
577	lime	8	
590	shale	13	
596	lime	6	
607	shale	11	
610	lime	3	
740	shale	130	
744	lime	4	
833	shale	89	
835	lime	2	
840	oil sand	5	
842	black sand	2	
854	white shale	12	
861	black sand	7	
898	shale	37	

16'



good odor 2
 good bleed 5
 2

no odor 7