

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

Sunshine #1
 API # 15-087-20655-00-00
 SPUD DATE 12-16-13

Footage	Formation	Thickness	Set 40' of 8 5/8"
2	Topsoil	2	TD 1415'
14	clay	12	Ran 1408' of 4 1/2 on 12-18-13
16	shale	2	
24	lime	8	
29	shale	5	
47	lime	18	
52	shale	5	
54	lime	2	
69	shale	15	
77	lime	8	
337	shale	260	
360	lime	23	
367	shale	7	
370	lime	3	
384	shale	14	
403	lime	19	
427	shale	24	
438	lime	11	
479	shale	41	
526	lime	47	
565	shale	39	
615	lime	50	
626	shale	11	
649	lime	23	
655	shale	6	
665	lime	10	
804	shale	139	hertha
808	lime	4	
824	shale	16	
830	lime	6	
847	shale	17	
849	lime	2	
860	shale	11	
864	lime	4	
1241	shale	377	
1243	lime	2	
1349	shale	106	
1357	mulky shale	8	white, mulky
1360	sandy shale	3	ok odor, little show
1370	sand	10	good odor, good show
1371	sandy shale	1	ok odor
1401	shale	30	
1415	lime	14	Mississippi