

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

Taylor-Bird #WSW-1  
API # 15-103-21399-00-00  
SPUD DATE 10-8-13

Footage	Formation	Thickness	Set 41' of 8 5/8' TD 1309' Ran 1303' of 4 1/2 on 10-10-13
2	Topsoil	2	
26	clay	24	
28	sand/stone	2	
80	shale	52	
105	lime	25	
109	shale	4	
112	lime	3	
126	shale	14	
132	lime	6	
149	shale	17	
157	redbed	8	
275	shale	118	
309	sandy shale	34	
390	shale	81	
413	lime	23	
418	shale	5	
420	lime	2	
443	shale	23	
462	lime	19	
478	shale	16	
489	lime	11	
530	shale	41	
554	lime	24	
559	shale	5	
561	lime	2	
568	shale	7	
576	lime	8	
614	shale	38	
620	lime	6	
627	shale	7	
661	lime	34	
673	shale	12	
693	lime	20	
696	shale	3	
709	lime	13	
804	shale	95	
811	lime	7	
842	shale	31	
847	lime	5	
860	shale	13	
864	lime	4	
909	shale	45	

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Footage	Formation	Thickness
914	lime	5
921	shale	7
927	lime	6
1204	shale	277
1230	sand	26
1234	shale	4
1260	sand	26
1309	shale	49