

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

Hollinger #3
API # 15-121-31446-00-00
SPUD DATE 1-24-18

Footage	Formation	Thickness	Set 22' of 7' with 4 sacks Portland TD 838' Ran 819' of 2 7/8" on 1-25-18
3	Topsoil	3	
78	lime	75	
95	shale	17	
102	lime	7	
131	shale	29	
150	lime	19	
158	shale	8	
187	lime	29	
193	shale	6	
213	lime	20	
216	shale	3	
232	lime	16	
234	shale	2	
236	sand	2	good odor, little bleed
240	shale	4	
276	sandy/shale	36	
288	shaley sand	12	
397	shale	109	
410	lime	13	
435	limey shale	25	
444	lime	9	
468	lime w/shale	24	
481	shale	13	
500	lime	19	
566	shale	66	
585	sandy shale	19	
619	sand w/shale	34	
668	shale	49	
690	sandy shale	22	
810	shale	120	
820	sand	10	no bleed, no odor
823	sandy shale	3	
838	shale	15	