

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

Hollinger #2  
 API # 15-121-31445-00-00  
 SPUD DATE 1-19-18

Footage	Formation	Thickness	Set 22' of 7'' w/ 4 sks Portland cement TD 818'
8	Topsoil??	8	
55	lime	47	Ran 805' of 2 7/8'' on 1-24-18
71	shale	16	
110	lime	39	
123	shale	13	
137	lime	14	
165	shale	28	
198	lime	33	
202	shale	4	
216	lime	14	
218	shale	2	
222	sandy shale	4	good odor, good bleed, nothing in sample
250	shale	28	
252	sandy shale	2	
255	shaley sand	3	no odor, no bleed
256	lime	1	
270	sand	14	very slight odor, no bleed, looks like water sand
273	sandy shale	3	
392	shale	119	
394	lime	2	
414	shale	20	
419	lime	5	
423	shale	4	
430	lime	7	
438	shale	8	
444	lime	6	
459	shale	15	
463	lime	4	
473	shale	10	
476	lime	3	
509	shale	33	
513	lime	4	
540	shale	27	
543	shaley sand	3	no bleed, no odor
545	sand	2	
558	shaley sand	13	60 - 70% sand
565	sand	7	
569	shaley sand	4	50% sand
600	sand	31	
616	shale	16	
618	lime	2	
652	shale	34	
655	shaley sand	3	good odor, good bleed
658	sand	3	good odor, good bleed
661	shaley sand	3	good odor, good bleed
664	sand	3	good odor, good bleed
667	shaley sand	3	
818	shale	151	