

Jackman Oilfield Services
 1 West Mulberry St.
 Colony, KS 66015
 620-852-3350

WELL LOG
 Kansas Resource Exploration & Development, LLC
 McDonald KR-2

April 10, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>	
12	soil/clay	12	
10	lime	22	
6	shale	28	
9	lime	37	
51	shale	88	
6	lime	94	
11	shale	105	
33	lime	138	
9	shale	147	
21	lime	168	
6	shale	174	
10	lime	184	
154	shale	338	
3	lime	341	
27	shale	368	
3	lime	371	
47	shale	418	
1	coal	419	
7	shale	426	
4	lime	430	
17	shale	447	
8	lime	455	
12	shale	467	
14	lime	481	
19	shale	500	
3	lime	503	
4	shale	507	
30	sandy lime	537	
17	shale	554	
1	lime	555	
13	shale	568	
1	lime	569	
6	sandy shale	575	
5	oil sand	580	light bleed

3	lime	583	
13	sandy shale	596	
5	coal	601	
13	shale	614	
2	lime	616	
1	coal	617	
11	shale	628	
20	gray sand/sandy shale	648	
4	broken sand	652	light bleed
5	oil sand	657	light bleed
4	broken sand	661	light bleed
2	oil sand	663	medium bleed
1	broken sand	664	light bleed
12	shale	676	
2	coal	678	
72	shale	750	TD

Drilled a 9 7/8" hole to 19'7"

Drilled a 5 7/8" hole to 750'

Set 20' of 7" surface casing cemented with 5 sacks of portland cement

Set 741.75' of 2 7/8" round upset tubing. Baffle @ 710.1'

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