

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

WELL LOG
Kansas Resource Exploration & Development, LLC
Cartwright KR-29

May 6, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
6	soil/clay	6
24	lime	30
7	shale	37
6	lime	43
7	red bed shale	50
38	shale	88
10	lime	98
13	shale	111
27	lime	138
11	shale	149
22	lime	171
6	shale	177
13	lime	190
141	shale	331
2	lime	333
18	sandy shale	351
8	lime	359
6	sandy lime	365
3	shale	368
8	grey sand	376
33	shale	409
4	coal	413
2	lime	415
17	shale	432
3	lime	435
1	coal	436
13	shale	449
7	lime	456
18	shale	474
1	lime	475
3	shale	478
6	lime	484

5	shale	489	
1	broken sand	490	little bleed
4	oil sand	494	good bleed
1	broken sand	495	good bleed
3	oil sand	498	light bleed
7	broken sand	505	light bleed
13	sandy shale	518	
16	shale	534	
1	lime	535	
45	shale	580	TD

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

Drilled a 5 7/8" hole to 580'

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

Set 567.60' of 2 7/8" round upset tubing. Baffle @ 535.9'

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