

RECEIVED MAR 24 2014

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

WELL LOG  
Kansas Resource Exploration & Development, LLC  
Chisam KR-32

March 15, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>	
8	soil/clay	8	
15	lime	23	
1	shale	24	
68	lime	92	
2	shale	94	
13	lime	107	
151	shale	258	
2	lime	260	
19	shale	279	
18	lime	297	
46	shale	343	
5	lime	348	
16	shale	364	
4	lime	368	
13	shale	381	
1	lime	382	
13	sandy lime	395	
7	lime	402	
17	sandy lime	419	
7	shale	426	
3	lime	429	
17	shale	446	
2	lime	448	
2	shale	450	
1	lime	451	
3	coal	454	
15	shale	469	
6	oil sand	475	good bleed
1	lime	476	
11	shale	487	
1	lime	488	
26	shale	514	
4	lime	518	
2	black sand	520	light bleed

Drilled a 9 7/8" hole to 22'1"

Drilled a 5 7/8" hole to 570'

Set 22'40" of 7" surface casing cemented with 5 sacks of portland cement

Set 566.80' of 2 7/8" round upset tubing. Baffle @ 534.80'

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