

RECEIVED MAR 24 2014

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

Chisam

~~KRI-32~~

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

KRI-23

March 18, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>	
8	soil/clay	8	
13	lime	21	
2	shale	23	
69	lime	92	
2	shale	94	
15	lime	109	
149	shale	258	
1	lime	259	
20	shale	279	
16	lime	295	
47	shale	342	
1	coal	343	
5	lime	348	
17	shale	365	
4	lime	369	
12	shale	381	
4	lime	385	
11	sandy lime	396	
5	lime	401	
3	sandy lime	404	
15	lime	419	
7	shale	426	
12	lime	438	
12	shale	450	
7	lime	457	
7	shale	464	
13	shale/gray sand	477	
2	gray sand/oil sand	479	light bleed
1.50	oil sand	480.50	medium bleed
16.50	shale	497	TD

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

Drilled a 5 7/8" hole to 497'

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

No pipe

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