

McGOWN

DRILLING, INC.

Operator:
Black Travis, Inc.
Paola, KS

Travis #KR-31

Miami Co., KS
10-17S-22E
API: 121-30780

Spud Date:	10/29/2014	Surface Bit:	9.875"
Surface Casing:	7.0"	Drill Bit:	5.875"
Surface Length:	22.0'	Longstring:	660.90'
Surface Cement:	4 sx	Baffle:	632.20'
Longstring:	2 7/8 EUE - New L/S	Longstring Date:	10/31/2014

Driller's Log

Top	Bottom	Formation	Comments
0	16	Soil & clay	
16	39	Shale	
39	55	Lime	
55	60	Shale	
60	76	Sandy Shale	
76	91	Shale	
91	95	Lime	
95	132	Shale	
132	149	Lime	
149	159	Shale	
159	187	Lime	
187	195	Shale	
195	217	Lime	
217	219	Bl. Shale	
219	230	Lime	
230	235	Shale	
235	241	Shale	Limey
241	253	Shale	
253	265	Sand	Grey, no odor
265	275	Sandy Shale	
275	365	Shale	
365	367	Red Bed	
367	374	Shale	

374	395	Sand	See below
395	458	Shale	
458	464	Lime	
464	478	Shale	
478	481	Lime	
481	518	Shale	
518	520	Lime	
520	550	Shale	
550	554	Sandy Shale	
554	579.5	Sand	See below
579.5	595	Shale	
595	605	Sand	See below
605	672	Shale	
672		TD	

Coring

Run	Footage	Rec.
1	558-578	20'
2	578-598	20'
3		

Wayside Sand Detail

374-388	Sand, no odor, no bleed
388-395	Sand, good odor, fair bleed

Squirrel Sand Detail

554-556	Laminated, mostly shale, fair bleed to the pit
556-570	Good sand, soft, fair bleed
570-575	Laminated, a lot of shale, good bleed where there was sand
575-579.5	Good sand, soft, good saturation and bleed
579.5-595	Shale; 6" of oil sand at 592.5'
595-605	Sand, good saturation and bleed