



Operator:
Black Travis, Inc.
Paola, KS

Travis #KR-19

Miami Co., KS
10-17S-22E
API: 121-30782

Spud Date:	11/4/2014	Surface Bit:	9.875"
Surface Casing:	7.0"	Drill Bit:	5.875"
Surface Length:	22.35'	Longstring:	721.65'
Surface Cement:	4 sx	Baffle:	691.65'
Longstring:	2 7/8 EUE - New L/S	Longstring Date:	11/6/2014

Driller's Log

Top	Bottom	Formation	Comments
0	5	Soil & clay	
5	15	Sandstone	
15	81	Shale	
81	98	Lime	
98	110	Shale	
110	118	Sand	w/Sandy shale
118	129	Shale	
129	133	Lime	
133	176	Shale	
176	190	Lime	
190	200	Shale	
200	224	Lime	
224	234	Shale	
234	239	Shale	Limey
239	256	Lime	
256	261	Bl. Shale	
261	264	Lime	
264	268	Shale	
268	273	Lime	
273	277	Shale	Limey
277	295	Shale	
295	300	Sand	Grey, no odor
300	311	Sandy Shale	

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311	408	Shale	
408	410	Red Bed	
410	438	Sand	See below
438	445	Shale	
445	460	Lime	
460	500	Shale	
500	502	Coal	
502	510	Lime	
510	522	Shale	
522	526	Lime	
526	533	Bl. Shale	
533	548	Lime	
548	560	Shale	
560	564	Lime	
564	575	Shale	
575	580	Lime	
580	586	Shale	
586	592	Sand	Good oil show to the pit
592	608	Sandy Shale	No show
608	643	Shale	
643	646	Sand	Fair oil show
646	732	Shale	
732		TD	

Coring

Run	Footage	Rec.	
1	414-434	20'	
2	588-592	0'	Catcher broke and plugged up
3	592-610	18'	

Wayside Sand Detail

414-417.5	Sand, light brown, no oil show
417.5-419	Shale
419-430	Laminated, mostly sand, no bleed
430-433	Sand, light bleed
433-438	Sand, fair to good show and bleed