



Operator:
Grand Mesa Operating Co.
Wichita, KS

Schmidt 14-13
Douglas Co., KS
15-14S-20E
API: 045-22266

Spud Date:	6/22/2015	Surface Bit:	11.0"
Surface Casing:	7.0"	Drill Bit:	5.875"
Surface Length:	42.6'	Longstring:	742.0'
Surface Cement:	8 sx	Baffle:	732.0'
Longstring:	2 7/8 EUE New	Longstring Date:	6/23/2015

Driller's Log

Top	Bottom	Formation	Comments
0	19	Soil & clay	
19	24	Gravel	
24	47	Shale	
47	56	Lime	
56	63	Shale	
63	66	Lime	
66	72	Bl. Shale	
72	90	Lime	
90	98	Bl. Shale	
98	106	Lime	
106	110	Shale	
110	113	Lime	
113	160	Shale	
160	179	Lime	
179	243	Shale	
243	249	Lime	
249	251	Shale	
251	268	Lime	
268	286	Shale	
286	290	Lime	
290	327	Shale	
327	338	Lime	
338	346	Shale	
346	377	Lime	

Schmit 14-13
Douglas Co., KS

377	384	Shale	
384	414	Lime	
414	418	Shale	
418	425	Lime	
425	432	Shale	
432	438	Sandy shale	
438	468	Shale	
468	470	Coal	
470	536	Shale	
536	554	Sandy shale	
554	568	Shale	
568	570	Shale	Limey
570	597	Shale	Sandy in places w/light oil show to pit
597	603	Lime	
603	609	Shale	
609	622	Lime	
622	649	Shale	
649	665	Lime	
665	678	Shale	
678	681	Lime	
681	685	Red Bed	
685	689	Shale	
689	690	Lime	
690	700	Shale	
700	712	Sand	Well saturated oil sand
712	750	Shale	
750		TD	

Coring		
Run	Footage	Rec.
1	700-720	20'
2		
3		