



**Operator:**  
Grand Mesa Operating  
Wichita, KS

**Vesecky #1-4**

Douglas Co., KS  
23-14S-20E  
API: 045-22249

<b>Spud Date:</b>	11/26/2014	<b>Surface Bit:</b>	11"
<b>Surface Casing:</b>	7.0"	<b>Drill Bit:</b>	6.125"
<b>Surface Length:</b>	40.0'	<b>Longstring:</b>	766.80'
<b>Surface Cement:</b>	8 sx	<b>Longstring Date:</b>	12/2/2014
<b>Longstring:</b>	2 7/8 EUE, New L/S		

**Driller's Log**

<b>Top</b>	<b>Bottom</b>	<b>Formation</b>	<b>Comments</b>
0	17	Soil & clay	
17	24	Gravel & Sand	
24	39	Shale	
39	44	Lime	
44	52	Sandy Shale	
52	57	Bl. Shale	
57	74	Lime	
74	81	Bl. Shale	
81	89	Lime	
89	94	Shale	
94	97	Lime	
97	117	Sandy Shale	
117	148	Shale	
148	163	Lime	
163	231	Shale	
231	247	Lime	
247	250	Shale	
250	256	Lime	
256	267	Shale	
267	281	Lime	
281	305	Shale	
305	316	Lime	
316	320	Sandy Shale	
320	321	Lime	

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321	324	Shale	
324	326	Lime	
326	331	Shale	
331	361	Lime	
361	370	Bl. Shale	
370	393	Lime	
393	396	Shale	
396	401	Lime	
401	404	Bl. Shale	
404	410	Lime	
410	553	Shale	
553	557	Bl. Shale	
557	578	Sandy Shale	
578	580	Lime	
580	587	Shale	
587	594	Lime	
594	601	Bl. Shale	
601	607	Lime	
607	608	Shale	
608	612	Lime	
612	622	Shale	
622	626	Lime	
626	629	Bl. Shale	
629	649	Lime	
649	660	Shale	
660	663	Bl. Shale	
663	668	Lime	
668	681	Shale	
681	692	Sand	Laminated, Good bleed, Mostly Sand.
692	782	Shale	
<b>782</b>		<b>TD</b>	

<b>Run</b>	<b>Coring Footage</b>	<b>Rec.</b>
1	682-702	20'