



**Operator:**  
Coen Energy Corp.  
Overland Park, KS

**Brodmerkle 2014-1W**

Woodson Co., KS  
30-23S-17E  
API: 207-28826

<b>Spud Date:</b>	4/18/2014	<b>Surface Bit:</b>	11.0"
<b>Surface Casing:</b>	7.0"	<b>Drill Bit:</b>	5.875"
<b>Surface Length:</b>	44.40'	<b>Longstring:</b>	963.90'
<b>Surface Cement:</b>	12 sx	<b>Longstring Date:</b>	4/23/2014
<b>Longstring:</b>	2 7/8" EUE - new	<b>Seat Nipple:</b>	909.65'

**Driller's Log**

<b>Top</b>	<b>Bottom</b>	<b>Formation</b>	<b>Comments</b>
0	16	Soil & clay	
16	27	Sand & Gravel	
27	78	Shale	
78	85	Lime	
85	88	Bl. Shale	
88	109	Lime	
109	127	Sand	
127	131	Shale	
131	149	Sandy Shale	
149	180	Shale	
180	182	Lime	
182	202	Bl. Shale	
202	209	Lime	
209	240	Shale	
240	244	Lime	
244	258	Bl. Shale	
258	264	Lime	
264	274	Shale	
274	352	Lime	
352	397	Shale	
397	401	Lime	
401	405	Shale	
405	478	Lime	
478	501	Shale	

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501	506	Lime	Woodson Co., KS
506	514	Shale	
514	546	Lime	
546	717	Shale	
717	727	Lime	
727	738	Shale	
738	743	Lime	
743	791	Shale	
791	800	Lime	
800	816	Shale	
816	820	Lime	
820	836	Shale	
836	844	Lime	
844	859	Shale	
859	864	Lime	
864	874	Shale	
874	878	Lime	
878	913	Shale	
913	926	Sand	See below
926	934	Sandy Shale	
934	982	Shale	
<b>982</b>		<b>TD</b>	

**Sand Detail**

913-920	Good quality sand, very good oil show, good bleed to pits
920-924	Good sand, good oil show, still bleeding well
924-926	More shaly sand, lighter oil show
926-934	Sandy shale, no oil show