



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

**Schmidt 2-16i**

Douglas Co., KS  
22-14S-20E  
API: 045-22278

<b>Spud Date:</b>	10/5/2015	<b>Surface Bit:</b>	11.0"
<b>Surface Casing:</b>	7.0"	<b>Drill Bit:</b>	5.875"
<b>Surface Length:</b>	40.25'	<b>Longstring:</b>	755.05'
<b>Surface Cement:</b>	8 sx	<b>Longstring Date:</b>	10/6/2015
<b>Longstring:</b>	2 7/8 EUE - new		

**Driller's Log**

<b>Top</b>	<b>Bottom</b>	<b>Formation</b>	<b>Comments</b>
0	22	Soil & clay	
22	25	Gravel	
25	35	Shale	
35	42	Lime	
42	53	Sand	Grey
53	58	Shale	
58	73	Lime	
73	82	Shale	
82	90	Lime	
90	95	Shale	
95	117	Lime	
117	133	Shale	Sandy, hard
133	148	Shale	
148	168	Lime	
168	178	Sandy Shale	
178	231	Shale	
231	234	Lime	
234	237	Shale	
237	255	Lime	
255	268	Shale	
268	272	Lime	
272	274	Red Bed	
274	284	Lime	
284	315.5	Shale	

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315.5	330	Lime	
330	337	Shale	
337	346	Lime	
346	349	Shale	
349	364	Lime	
364	371	Bl. Shale	
371	394	Lime	
394	399	Bl. Shale	
399	405	Lime	
405	409	Shale	
409	412	Lime	
412	416	Shale	
416	423	Sandy Shale	
423	554	Shale	
554	556	Lime	
556	564	Shale	
564	569	Lime	
569	572	Sand	Grey, no odor
572	582	Shale	
582	590	Lime	
590	594	Shale	
594	599	Lime	
599	605	Shale	
605	612	Lime	
612	626	Shale	
626	628	Lime	
628	637	Shale	
637	649	Lime	
649	672	Shale	
672	676	Lime	
676	683	Shale	
683	696	Sand	See below
696	762	Sandy Shale	
<b>762</b>		<b>TD</b>	

	<b>Coring</b>	
<b>Run</b>	<b>Footage</b>	<b>Rec.</b>
1		
2		

**Sand Detail**

683-688	Good sand, good oil show, good odor, good bleed to pit
688-690	Laminated w/shale, fair bleed to pit
690-692	More sand than above, better bleed to pit than above
692-694	Rainbow to pit, good odor in samples, shaley