

# McGOWAN DRILLING, INC.

Mound City, KS  
620.224.7406

Well #				Casing			
<b>Kaycee #4-A RJ Energy, LLC</b>				Surface		Longstring	
				Size:	7.0 "	Size:	2 7/8 "
				Tally:	21.25 '	Tally:	643.7 '
				Cement:	5 sx	Bit:	5.875 "
				Bit:	9.875 "	Date:	9/26/2018
API #:	15-011-24603	S-T-R:	5-24S-22E				
County:	Bourbon	Date:	9/25/2018				
Top	Base	Formation		Top	Base	Formation	
0	5	Soil & clay					
5	14	Sandstone & gravel					
14	32	Lime					
32	35	Shale					
35	39	Lime					
39	46	Shale					
46	52	Lime					
52	64	Shale					
64	68	Lime					
68	223	Shale					
223	235	Limey Shale					
235	241	Lime					
241	251	Shale					
251	259	Sandy Shale					
259	312	Shale					
312	314	Shale	Blk.				
314	316	Shale	Muddy				
316	346	Lime					
346	388	Shale					
388	403	Lime	20'				
403	410	Shale					
410	416	Lime					
416	587	Shale					
587	606	Sand					
606	612	Sand		Sand / Core Detail			
612	616	Sand		Core #1:		Core #2:	
616	622	Sand		606	612	Sandstone.	
622	626	Shale				Odor.	
626	650	Shale					
650		TD		612	616	Oil sand.	
						Good show.	
				616	622	Oil sand.	
						Shaley on bottom.	
						Brown at 620'	
			<b>Total Depth:</b>	<b>650</b>			