



M.O.K.A.T. DRILLING
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Operator		MERITAGE KCM		Well No.	27-34		Lease		KUESER		Loc.	1/4	1/4	1/4	Sec.	27	Twp.	19	Rge.	19E		
				County	ANDERSON		State	KS		Type/Well	Depth		1172'		Hours	Date Started		12-27-02		Date Completed	12-30-02	
Job No.		Casing Used		Bit No.		Type	size	From		To	Bit No.		type	Size		From		To	% Rec.			
Driller		Cement Used						7 7/8"														
Driller		Rig No.		#1																		
Driller		Hammer No.																				

Formation Record

From	To	Formation	From	To	Formation	From	To	Formation	From	To	Formation
0	9	OVERBURDEN	428	465	SHALE	793	794	LIME	1103	1105	COAL
9	18	LIME	465	472	SANDY SHALE	794	798	SAND	1105	1135	SHALE
18	31	SHALE	472	516	SHALE	798	827	GREY SHALE	1115		
31	60	LIME	516	517	COAL	827	829	COAL	1135	1172	LIME MISSISSIPPI
60	65	SHALE	517	579	SHALE	829	839	SHALE	1155		WATER
65	67	SANDY SHALE	579	582	BLK SHALE	839	841	COAL	1172		WATERED OUT
67	72	SAND	582	589	GRAY SHALE	841	868	SHALE			
72	80	SANDY SHALE	589	593	LIME	868	870	COAL			TD 1172'
80	222	SHALE	593	600	SHALE	870	881	SHALE			
222	225	LIMEY SHALE	600	607	LIME	881	885	COAL OR BLACK SHALE			
225	241	LIME	607	608	COAL	885	939	GREY SHALE			
241	242	BLK SHALE	608	651	SHALE	889					
242	247	LIME	651	654	COAL	939	954	DARK GREY SHALE			
247	260	SHALE	654	657	SHALE	954	960	LIGHT GREY SHALE			
260	261	COAL	657	662	LIME	960	987	SANDY SHALE			
261	268	SHALE	662	669	LIME	987	989	LIME			
268	276	LIME	669	679	SHALE LIMEY	989	999	SHALE			
276	285	SHALE (RED & GRAY)	679	682	GRAY SHALE	999	1007	SAND			
285	312	GRAY SHALE	682	685	LIME	1007	1022	SANDY SHALE			
312	328	LIME	685	686	COAL	1022	1023	COAL			
328	337	SHALE	686	688	BLK SHALE	1023	1032	SHALE			
337	367	LIME	688	698	GRAY SHALE	1032	1034	SANDY SHALE			
367	372	SHALE	698	703	LIMEY SHALE	1034	1039	COAL			
372	375	BLK SHALE	703	720	LIME	1039	1086	SHALE			
375	404	LIME	720	728	SHALE	1040					
404	410	BLK SHALE	728	732	LIME	1086	1088	COAL			
410	412	LIME	732	749	COAL OR BLACK SHALE	1088	1090	SHALE			
412	415	SHALE	749	759	LIME	1090	1093	COAL			
415	422	LIME	759	760	BLACK SHALE OR COAL	1093	1097	SHALE			
422	427	SHALE	760	793	SHALE	1097	1099	COAL			
427	428	LIME	764			1099	1103	SHALE			