

SPUD DATE: 9 Aug 2014
 FINISH DATE: 12 Aug 2014
 LEASE: Joechel
 LEASE OPERATOR: KRED
 WELL: KR5
 API: 15-121-30055
 SEC: 13 TWP: 17 RNG: 22
 COUNTY: Miami
 DRILLERS NAME: Ronnie Howard
 RIG #: 1



2394 UTAH ROAD
 RANTOUL, KS 66079

SURFACE: SIZE BIT 9 7/8 LENGTH 20' SIZE 7" CEMENT 5 Bags
 DRILL BIT SIZE 5 7/8 LENGTH 535.95 SIZE 2 7/8 BAFFLE 31.25
 TD 750 CORED 453-473

FORMATIONS	THICKNESS	FROM	TO	FORMATION	THICKNESS	FROM	TO
Lime	6	0	6	Lime	2	408	410
Shale	27	6	33	Shale	2	410	412
Lime	1	33	34	Limey Shale	4	412	416
Shale	84	34	118	Shale	18	416	438
Lime	1	118	119	Red Bed	2	438	440
Shale	1	119	120	Shale	4	440	444
Lime (Hard)	3	120	123	Lime	2	444	446
Shale	1	123	124	Broken 70% No smell Up bleed Little smell & bleed	2	446	448
Lime	13	124	137	Limey Sand	2	448	450
gray Sand	5	137	142	oil Sand Little smell & bleed	2	450	452
Shale	7	142	149	oil Sand CP great bleed	1	452	453
Coal	1	149	150	Broken Sand 50%	2	453	455
Shale	4	150	154	Limey Sand	1/2	455	455 1/2
Lime	2	154	156	oil Sand	1	455 1/2	456 1/2
Shale	4	156	160	Limey Sand	1 1/2	456 1/2	458
Lime (Hard)	6	160	166	Shale	1	458	459
Shale	31	166	197	oil Sand (great bleed)	3	459	462
Lime	14	197	211	oil Sand	1 1/2	462	463 1/2
Shale	12	211	223	Limey Sand (washed out)	3 1/2	463 1/2	467
Lime	26	223	249	Limey Sand (good bleed)	2	467	469
Shale (2FT Coal)	6	249	255	Lime	3	469	472
Lime	21	255	276	oil Sand Dark, great bleed	4	472	476
Coal	4	276	280	Broken 50% little show	1	476	477
Lime	3	280	283	Shale	13	477	490
Shale	5	283	288	Lime Soft	6	490	496
Lime	9	288	297	Shale	10	496	506
Coal	1	297	298	Lime	6	506	512
Lime KCB	3	298	301	Shale Some Coal	10	512	522
Shale	35	301	336	Lime	7	522	529
gray Sand	6	336	342	Shale Some Coal	16	529	545
Shale	66	342	408	Lime	2	545	547

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FORMATIONS	THICKNESS	FROM	TO	FORMATION	THICKNESS	FROM	TO
Shale Some Coal	13	547	560	* 472-476 *			
Lime	5	560	565	Dark Sand			
Shale	1	565	566	great bleed throughout + D			
Lime	1	566	567				
Shale	8	567	575				
Lime	2	575	577				
Shale	6	577	583				
Lime	3	583	586				
Shale	3	586	589				
Lime	2	589	591				
Shale	51	591	642				
Shale (Broken 10%) ^{No show}	20	642	662				
Shale (Broken 10%) ^{No show}	20	662	682				
Coal	4	682	686				
Shale	8	686	694				
Lime	2	694	696				
Shale	2	696	698				
Coal	2	698	700				
Shale	21	700	721				
Shale Broken 5% ^{No show}	1	721	722				
Broken 5% ^{No bleed some smell}	4	722	726				
Shale	2	726	728				
Shale	2	728	730				
Coal	2	730	732				
Shale	6	732	738				
Shale/Slate	8	738	746				
Shale	3	746	749				
Lime TD	1	749	750				