

SPUD DATE: 12-1-14
 FINISH DATE: 12-2-14
 LEASE: Loomer
 LEASE OPERATOR: KRED
 WELL: KR-17
 API: 15-121-30853
 SEC: 31 TWP: 16 RNG: 22
 COUNTY: Miami
 DRILLERS NAME: Waylon Johns
 RIG #: 2



2394 UTAH ROAD
 RANTOUL, KS 66079

SURFACE: SIZE BIT 11" LENGTH 20' SIZE 7" CEMENT 6 Bags
 DRILL BIT SIZE 5 7/8" LENGTH 751.70 SIZE 2 3/4 New BAFFLE 29.05
 TD 761 CORED 645-665

FORMATIONS	THICKNESS	FROM	TO	FORMATION	THICKNESS	FROM	TO
Soil/Clay	4	0	4	Shale	3	344	347
Lime	14	4	18	Lime	5	347	352
Shale	12	18	30	Shale	2	352	354
Lime	16	30	46	Lime	1	354	355
Shale	23	46	69	Shale	2	355	357
Lime	14	69	83	Lime KC	5	357	362
Shale	25	83	108	Shale	22	362	384
Lime	2	108	110	Grey Sand No Oil Show	2	384	386
Shale	72	110	182	Shale	79	386	465
Lime	2	182	184	Shale Some Broken Grey Sand No Show	11	465	476
Shale	1	184	185	Shale	61	476	527
Lime	16	185	201	Lime	7	527	534
Shale	12	201	213	Shale	7	534	541
Lime	2	213	215	Lime	3	541	544
Shale	1	215	216	Shale	21	544	567
Lime	1	216	217	Lime	2	567	569
Shale	18	217	235	Shale	19	569	588
Lime	2	235	237	Lime	3	588	591
Shale	2	237	239	Shale	4	591	595
Lime	5	239	244	Lime	2	595	597
Coal	6	244	250	Shale	5	597	602
Shale	9	250	259	Lime	5	602	607
Lime	15	259	274	Shale	4	607	611
Shale	15	274	289	Lime	2	611	613
Lime	10	289	299	Shale Some Small Lime Breaks	27	613	640
Shale	2	299	301	Shale 20% Grey Sand Small No Bleed	1	640	641
Lime	13	301	314	50% Oil Sand Bleed	1	641	642
Shale	2	314	316	Solid Oil Sand Good Bleed CP	3	642	645
Coal	3	316	319	Solid Oil Sand Good Bleed	6	645	651
Shale	2	319	321	Solid Grey Sand No Bleed	2.5	651	653.5
Lime	23	321	344	Shale/50% Oil Sand Bleed	1.25	653.5	654.75

