

SPUD DATE: 11-24-14
 FINISH DATE: 11-24-14
 LEASE: Loomer
 LEASE OPERATOR: KRED
 WELL: KA-13
 API: 15-121-30848
 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 5 Bags
 DRILL BIT SIZE 5 7/8" LENGTH 740.75" SIZE 2 7/8" New BAFFLE 27.65"
 TD 753 CORED No Core

FORMATIONS	THICKNESS	FROM	TO	FORMATION	THICKNESS	FROM	TO
Soil/Clay	8	0	8	Lime KC	5	354	359
Lime	4	8	12	Shale	22	359	381
Shale	15	12	27	Grey Sand No Oil Show	3	381	384
Lime	16	27	43	Shale	73	384	457
Shale	22	43	65	Shale Some Broken Grey Sand No Show	11	457	468
Lime	14	65	79	Shale	57	468	525
Shale	100	79	179	Lime	8	525	533
Lime	2	179	181	Shale	4	533	537
Shale	1	181	182	Lime	4	537	541
Lime	16	182	198	Shale	24	541	565
Shale	15	198	213	Lime	4	565	569
Lime	3	213	216	Shale	16	569	585
Shale	19	216	235	Lime	4	585	589
Lime	1	235	236	Shale	4	589	593
Shale	1	236	237	Lime	5	593	598
Lime	4	237	241	Shale	6	598	604
Shale	2	241	243	Lime	1	604	605
Coal	6	243	249	Shale	12	605	617
Shale	8	249	257	Lime	5	617	622
Lime	11	257	268	Shale	14	622	636
Shale	1	268	269	Shale 20% Grey Sand Small No Bleed	2	636	638
Lime	2	269	271	20% Broken Oil Sand Good Bleed	4	638	642
Shale	16	271	287	Lime	2	642	644
Lime	25	287	312	Oil Sand Good Bleed	2	644	646
Shale	1	312	313	50% Broken Oil Sand Good Bleed	3	646	649
Coal	2	313	315	20% Broken Oil Sand Good Bleed	3	649	652
Shale	3	315	318	50% Broken Oil Sand Bleed	1	652	653
Lime	23	318	341	Shale 20% Grey Sand No Bleed	4	653	657
Shale	4	341	345	Shale TD	96	657	753
Lime	4	345	349				
Shale	5	349	354				