Lease :	HARVEY
Owner:	BOBCAT OILFIELD SERVICES, INC.
OPR #:	3895
Contractor:	DALE JACKSON PRODUCTION CO.
OPR #:	4339

Surface:	Cemented:	Hole Size:
20FT, 6IN	5 SACKS	8 3/4
Longstring	Cemented:	Hole Size:
338' 2 7/8'	50	5 5/8

Dale Jackson Production Co.
Box 266, Mound City, Ks 66056
Cell # 620-363-2683
Office # 913-795-2991

Well #: E-4	
Location - ~~E2~~ SW-NE - SW-SE, T: 20, S.R.:23	
County: LINN	
~~FSL: 660~~ 677	
~~FEL: 1650~~ 1657	
API#: 15-107-24286-00-00	
Started: 10-11-10	
Completed: 10-13-10	

SN: NONE	Packer:	TD: 342'
Plugged:	Bottom Plug:	

Well Log

TKN	BTM Depth	Formation	TKN	BTM Depth	Formation
1	1	TOP SOIL			
26	27	LIME			
4	31	SHALE			
2	33	BLACK SHALE			
23	56	LIME			
2	58	SHALE			
2	60	BLACK SHALE			
2	62	LIME			
6	68	SHALE			
5	73	LIME			
5	78	SHALE			
5	72	SANDY SHALE (LIMEY)			
20	112	SHALE			
12	124	SANDY SAHLE (DRY SAND STK)			
74	198	SHALE			
22	220	SHALE			
2	222	SHALE (LIMEY)			
11	233	SHALE			
5	238	LIME (DRY SAND STK)			
21	259	SHALE			
10	269	LIME (FLOW)			
2	271	LIGHT SHALE			
2	273	OIL SAND (SHALEY) (POOR BLEED) (WATER)			
8	281	OIL SAND (WATER) (SOME SHALE) (VERY LITTLE OIL)			
.5	281.5	OIL SAND (FRACTOR) (WATER) (VERY LITTLE OIL)			
2	283.5	OIL SAND (WATER)(VERY LITTLE OIL)			
7.5	291	OIL SAND (SOME SHALE) (OIL AND SOME WATER) (GOOD BLEED)			
2.5	293.5	SANDY SHALE (OI AND STK) (FAIR BLEED)			
2.5	296	OIL SAND (SOME SHALE) (FAIR BLEED) (SOME WATER)			
4	300	SANDY SHALE (OIL SAND STK)			
4	304	OIL SAND (SOME SHALE) (FAIR BLEED)			
11	315	SHALE			
2	317	COAL			
10	327	SHALE			
5	332	LIME			
TD	342	SHALE			