

Lease :	HARVEY	
Owner:	BOBCAT OILFIELD SERVICES, INC.	
OPR #:	3895	
Contractor:	DALE JACKSON PRODUCTION CO.	
OPR #:	4339	
Surface: 20FT, 6IN	Cemented: 5 SACKS	Hole Size: 8 3/4
Longstring 338' 2 7/8 HYDRILL	Cemented: 50	Hole Size: 5 5/8

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

Well #: A-4
Location: N2-NE-SW-SE, S:5, T: 20, S.R.: 23, E
County: LINN
FSL: 1300 1314
FEL: 1650 1674
API#: 15-107-24259-00-00
Started: 10-29-10
Completed: 11-1-10

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

Well Log

TKN	BTM Depth	Formation	TKN	BTM Depth	Formation
2	2	TOPSOIL	5	334	LIME
2	4	CLAY & LIME	TD	342	SHALE
25	29	LIME			
4	33	SHALE			
6	39	BLACK SHALE			
19	58	LIME			
4	62	SHALE			
1	63	BLACK SHALE			
13	76	LIME			
1	77	BLACK SHALE			
8	85	SHALE (LIMEY)			
32	117	SHALE			
18	135	SANDY SHALE (DRY SAND STK)			
87	222	SHALE			
1	223	BLACK SHALE			
11	234	SHALE			
5	239	LIME (SOME SHALE)			
22	261	SHALE			
14	275	LIME			
2	277	SHALE (LIMEY)			
1	278	SANDY SHALE (OIL SAND STK)			
2	280	OIL SAND (SOME SHALE) (POOR BLEED) (WATER)			
1.5	281.5	OIL SAND (LIMEY) (OIL & WATER) (FAIR BLEED)			
1	282.5	OIL SAND (SOME SHALE) (FRACTOR) (WATER) (VERY LITTLE OIL)			
1.5	284	OIL SAND (WATER) (SOME SHALE)			
2	286	OIL SAND (OIL & WATER) (FAIR BLEED)			
.5	286.5	OIL SAND SHALE (FRACTOR) (WATER)			
2	288.5	OIL SAND (OIL & WATER) (FAIR BLEED)			
2.5	291	OIL SAND (SHALEY) (GOOD BLEED)			
1	292	LIME			
2.5	294.5	OIL SAND (SHALEY) (GOOD BLEED)			
.5	295	SANDY SHALEY			
1	296	OIL SAND (VERY SHALEY) (GOOD BLEED)			
1.5	297.5	SANDY SHALEY (POOR BLEED)			
.5	298	OIL SAND (SHALEY) (GOOD BLEED)			
1	299	SANDY SHALE (POOR BLEED)			
1	300	LIME			
1	301	OIL SAND (SHALEY) (FAIR BLEED)			
3	304	SANDY SHALE (OIL SAND STK) (FAIR BLEED)			
3	307	OIL SAND (SOME SHALE) (GOOD BLEED)			
1	308	SHALE (OIL SAND STK)			
11	319	SHALE			
3	322	COAL			
7	329	SHALE			

SURFACE: 10-28-10
SET TIME: 4:30 P.M.
CALLED 1:30 A.M.- BECKY

LONGSTRING 338' 2 7/8
HYDRILL TD: 342'
SET TIME 3:00 P.M.- 11-1-10
CALLED: 1:40 P.M.- MIKE