

Lease:	McCann	
Owner:	Bobcat Oilfield Services Inc	
OPR #:	3895	
Contractor:	DALE JACKSON PRODUCTION CO.	
OPR #:	4339	
Surface: 20' of 6"	Cemented: 5 Sacks	Hole Size: 8 ¾"
Long string: 675' of 2 7/8 8 round	Cemented: 96	Hole Size: 5 5/8

Dale Jackson Production Co.
Box 266, Mound City, Ks 66056
Cell # 620-363-2683
Office # 620-363-2696

Well #: WW-24
Location: SW, NE, SW, NE, S30-T16-R22E
County: Miami
FSL: 3616
FEL: 1934
API#: 15-121-31532-00-00
Started: 11-2-18
Completed: 11-13-18
TD: 681'

SN: -	Packer: -
Plugged: -	Bottom Plug:-

Well Log

TKN	BTM Depth	Formation	TKN	BTM Depth	Formation
1	1	Top Soil	3	576	Oil Sand (very shaley) (poor bleed)
5	6	Clay	5	581	Sandy Shale (oil sand strks)
11	17	Lime	10	591	Shale
3	20	Shale	3	594	Lime
9	29	Sandy Shale	5	599	Black Shale
18	47	Lime	22	621	Shale
25	72	Shale	12	633	Light Shale (limey)
15	87	Lime	8	641	Shale
1	88	Black Shale	2	643	Oil Sand (shaley) (fair bleed)
23	111	Shale	9.5	652.5	Oil Sand (some shale) (poor bleed)
26	137	Sandy Shale	6.5	659	Sandy Shale (oil sand strks)
43	180	Shale	TD	681	Shale
18	198	Lime			
13	211	Shale			
8	219	Sandy Shale			
2	221	Shale			
8	229	Light Shale (limey)			
4	233	Lime			
12	245	Shale			
3	248	Red Bed			
17	265	Shale			
14	279	Lime			
2	281	Black Shale			
15	296	Shale			
25	321	Lime			
8	329	Black Shale			
27	356	Lime			
2	358	Black Shale			
3	361	Lime			
4	365	Shale			
6	373	Lime			
2	375	Black Shale			
96	471	Shale			
10	481	Sandy Shale (strong odor)			
20	501	Shale			
32	533	Light Shale			
2	535	Sandy Shale (oil sand strks)			Surface 11-2-18 Set Time 3:00 pm
4	539	Lime			Called 1:30 pm, Talked to Brooke
9	548	Shale			Long string 675' 2 7/8 8rd TD 681'
8	556	Lime			Set Time 4:00 pm 11-13-18
5	561	Shale			Called 3:10 pm, Talked to Michelle
10	571	Lime			
2	573	Light Shale (limey) (odor)			