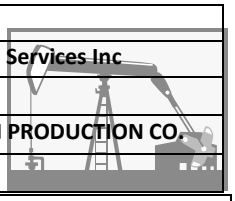
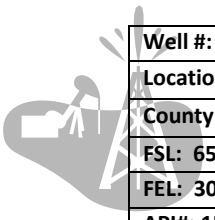
Lease:	**Spindle**
Owner:	**Bobcat Oilfield Services Inc**
OPR #:	**3895**
Contractor:	**DALE JACKSON PRODUCTION CO.**
OPR #:	**4339**



Surface: 20' of 6"	**Cemented: 5 Sacks**	**Hole Size: 8 ¾"**
Long string: 406' 2 7/8 8 round	**Cemented: 65**	**Hole Size: 5 5/8**

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



Well #: 1-18
Location: NW,SE,SE,SW, S18-T17-R24E
County: Miami
FSL: 651
FEL: 3080
API#: 15-121-31555-00-00
Started:12/11/18
Completed: 12/12/18

SN: 373'	**Packer: -**	**TD: 411'**
Plugged: -	**Bottom Plug: -**	

Well Log

TKN	BTM Depth	Formation	TKN	BTM Depth	Formation
1	1	Top Soil			
6	7	Lime			
4	11	Clay			
23	34	Shale			
9	43	Lime			
5	48	Shale			
10	58	Sand			
16	74	Shale			
4	78	Lime			
21	99	Shale			
2	101	Sandy Shale (odor)			
6	107	Oil Sand (fair bleed) (some shale)			
3	110	Sand Shale			
14	124	Shale			
12	136	Lime			
14	150	Shale			
28	178	Lime (odor)			
6	184	Black Shale			
20	204	Lime			
4	208	Black Shale			
13	221	Lime			
10	231	Light Shale			
12	243	Shale			
3	246	Sandy Shale (odor)			
14	260	Sandy Shale			
104	364	Shale			
4	368	Black Shale			
6	374	Light Shale			
1	375	Oil Sand (some shale) (good bleed)			
6.5	381.5	Oil Sand (good bleed) (slighty limey)			
2.5	384	Lime			
2.5	386.5	Oil Sand (limey) (poor bleed)			
1.5	388	Sand Shale (some oil sand strks) (poor bleed)			
1	389	Sandy Shale			
TD	411	Shale			
					Surface 12/11/18, Set time 3:00pm
					Called 1:00 pm, Talked to Brooke
					Long string 406' 2 7/8 8 Round
					12/12/18 TD 411', Set time 3:00 pm
					Called 2:00 pm, Talked to Brooke