McGOWN DRILLING, INC.

PO Box K
Mound City, KS
620.224.7406

Date: 12/11/2108 **Invoice #: 6581**

Quad Operating, LLC
Iola, KS
Via Emai

Donley #38
API: 15-003-26641
Anderson Co.
Spud: 12/6/2018

#	Description	Unit	Quantity	Price	Total
	Footage Drilling	ft	922	$7.00	$6,454.00
	Steel Pits	ea	1	$300.00	$300.00
	Portland Cement	sx	4	$20.00	$80.00
	Permitting	ea	1	$0.00	$0.00
				Total	**$6,834.00**

Invoice is payable according to the terms of the Parties' Contract, absent a written contract, the invoice is due in full upon receipt. Past due invoices shall accrue interest at 1.5% per month from the date of the invoice. McGown Drilling, Inc. shall be afforded all remedies available at law to collect past due invoices.

Please Remit Payment to:
McGown Drilling, Inc.
PO Box K
Mound City, KS 66056

Bank wiring instructions available upon request.

McGOWN DRILLING, INC.

Mound City, KS
620.224.7406

Well #			
Donley #38 Quad Operating, LLC			
API #:	15-003-26641	S-T-R:	31-22S-19E
County:	Anderson Co.	Date:	12/6/2018

Casing			
Surface		Longstring	
Size:	7 "	Size:	2 7/8 "
Tally:	22 '	Tally:	916.2 '
Cement:	4 sx	Bit:	5.875 "
Bit:	9.875 "	Date:	12/10/2018

Top	Base	Formation		Top	Base	Formation
0	2	Soil				
2	10	Clay				
10	29	Lime				
29	34	Shale				
34	49	Lime				
49	137	Shale				
137	150	Lime				
150	153	Shale				
153	154	Lime				
154	240	Shale				
240	274	Lime				
274	275	Shale				
275	279	Lime				
279	312	Shale				
312	314	Lime				
314	341	Shale				
341	406	Lime				
406	415	Shale				
415	425	Lime				
425	428	Shale				
428	437	Lime				
437	440	Shale				
440	447	Lime				
447	621	Shale				
621	623	Lime				
623	626	Shale				
626	655	Lime				
655	716	Shale				
716	743	Lime				
743	806	Shale				
806	808	Lime				
808	826	Shale				
826	871	Sand	See details			
871	922	Sandy Shale				
922		TD				
			Total Depth: 922			

Sand / Core Detail		
Core #1:		Core #2:
826	829	Sandy shale - slight odor
829	850	Laminated, mostly shale, slight odor
850	871	Sand, some shale, good odor in samples
		Good bleed to pit, good odor to 870'
871	874	Very shaley, poor odor, no bleed