CEMENT TREATMENT REPORT

Customer:	Knighton Oil	Well:	Olsen #4	Ticket:	ICT 2583
City, State:	Wichita KS	County:	Morris, KS	Date:	10/16/2019
Field Rep:	Ken Werner	S-T-R:	26-16s-9e	Service:	PTA

Downhole Information	
Hole Size:	in
Hole Depth:	ft
Casing Size:	5.5 in
Casing Depth:	ft
Tubing / Liner:	2.375 in
Depth:	250 ft
Tool / Packer:	
Depth:	ft
Displacement:	bbls

Slurry	
Weight:	13.8 # / sx
Water / Sx:	6.90 gal / sx
Yield:	1.42 ft^3 / sx
Bbls / Ft.:	
Depth:	ft
Volume:	bbls
Excess:	%
Total Slurry:	83.45 bbls
Total Sacks:	330 sx

Cement Blend		
Product	%	#
Class A	60.0	18612
Gel	4.0	1135
CaCl	2.0	568
Metso		
KolSeal		
PhenoSeal		
Salt		
Flyash	40.0	9768
	Total	30,083

TIME	RATE	PSI	BBLs	REMARKS	TIME	RATE	PSI	BBLs	REMARKS
				On location safety meeting					
				Spot in and rig up					
				Hook up to tubing @ 250'					
	3.0	500.0	16.0	Break circulation with 16 BBL					
	3.0	500.0	8.8	Mix and pump 260 sacks					
				Pull tubing out of hole					
	2.0	50.0	17.7	Top off Next day with 70 sacks					

	CREW	UNIT
Cementer:		
Pump Operator:		
Bulk #1:		
Bulk #2:		

SUMMARY		
Average Rate	Average Pressure	Total Fluid
2.66667 bpm	350.00 psi	42.50 bbls

Hurricane Services, Inc.
250 N. Water
Wichita, KS 67202