CEMENT TREATMENT REPORT

Customer:	Mull	Well:	Cooper 1-12	Ticket:	ICT2089
City, State:	Wichita,KS	County:	Rawlins	Date:	6/6/2019
Field Rep:	Scott	S-T-R:	36/25/21W	Service:	Cement

Downhole Information	
Hole Size:	12.13
Hole Depth:	209
Casing Size:	8.625
Casing Depth:	209
Casing weight	24
Depth:	
Tool / Packer:	
Depth:	
Displacement:	12

Slurry	
Weight:	14.8 # / sx
Water / Sx:	6 7/8 gal / sx
Yield:	1 2/5 ft^3 / sx
Bbls / Ft.:	0.0637
Depth:	209 ft
Volume:	bbls
Excess:	125% %
Total Slurry:	36 bbls
Total Sacks:	145 sx

Cement Blend		
Product	%	#
Class A	100.0	13630
Gel	2.0	272
CaCl	3.0	408
Metso		
KolSeal		
PhenoSeal		
Salt		
	Total	14,310

TIME	RATE	PSI	BBLs	REMARKS	TIME	RATE	PSI	BBLs	REMARKS
2:00 PM				Arrive on location					
2:05 PM				Safety meeting					
2:10 PM				Rig up equipment					
2:50 PM				Casing on bottom					
2:55 PM				Rig circulates					
3:00 PM	3.0	250.0	2.0	Water ahead					
3:02 PM	5.0	400.0	36.0	Pump 145 sacks at14.8ppg,1.41 yield					
3:07 PM	5.0	300.0	12.0	Displace					
3:10 PM		250.0		Shut in well					
3:15 PM				Wash up equipment					
3:40 PM				Depart location					
				5 bbls to pit					

	CREW	UNIT
Cementer:	Dane Retzloff	78
Pump Operator:	Michael Rebarchek	266
Bulk #1:	Jesse Jones	242
Bulk #2:		

SUMMARY		
Average Rate	Average Pressure	Total Fluid
4.333333 bpm	300.00 psi	50.00 bbls

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