CEMENT TREATMENT REPORT

Customer:	Mull Drilling	Well:	Cooper1-12	Ticket:	ICT2115
City, State:		County:	Rawlins, KS	Date:	7/5/2019
Field Rep:	Ray Brown	S-T-R:	12-5S-33W	Service:	Cement

Downhole Information	
Hole Size:	7.875
Hole Depth:	4552
Casing Size:	5.5"
Casing Depth:	ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Depth:	ft
Displacement:	105

Slurry	
Weight:	14.8 # / sx
Water / Sx:	6 3/5 gal / sx
Yield:	1 1/2 ft^3 / sx
Bbls / Ft.:	
Depth:	ft
Volume:	bbls
Excess:	%
Total Slurry:	62 bbls
Total Sacks:	230 sx

Cement Blend		
Product	%	#
Class A		21620
Gel		200
CaCl		
Metso		
KolSeal		1000
PhenoSeal		
Salt		1100
Plaster		950
	Total	24,870

TIME	RATE	PSI	BBLs	REMARKS	TIME	RATE	PSI	BBLs	REMARKS
1145am				Arrivial					
12pm				Safety meeting					
1205pm				Rig up equip					
				Run in casing					
				Turbolizers on jnts 1,3,4,5,6,7,9,10,11					
450pm				Circulate casing on bottom					
510pm	4.0	200.0	25.0	Pump mud flush					
520pm	3.0		8.0	plug RH					
525pm	4.0	200.0	54.0	Pump cement down casing					
6pm				Clear pump & lines					
605pm	6.5	800.0	105.0	Displace plug					
630pm		1,500.0		Plug down and held					
640pm				Wash up and rig Down					
705pm				Depart					

	CREW	UNIT
Cementer:	Miles Shaw	73.0
Pump Operator:	Josh Mosier	230.0
Bulk #1:	Kale Ochs	180 / 250
Bulk #2:		

SUMMARY		
Average Rate	Average Pressure	Total Fluid
4.375 bpm	675.00 psi	192.00 bbls

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