CEMENT TREATMENT REPORT

Customer:	Mull Drilling	Well:	Whirlwind 1-21	Ticket:	ICT1892
City, State:	Tribune,KS	County:	Greeley,KS	Date:	4/3/2019
Field Rep:		S-T-R:	21-17S-42W	Service:	Surface

Downhole Information	
Hole Size:	12.25"
Hole Depth:	427'
Casing Size:	8.625
Casing Depth:	427'
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Depth:	ft
Displacement:	26

Slurry	
Weight:	14.8 # / sx
Water / Sx:	6 5/7 gal / sx
Yield:	1 2/5 ft^3 / sx
Bbls / Ft.:	
Depth:	427' ft
Volume:	bbls
Excess:	100% %
Total Slurry:	62.7 bbls
Total Sacks:	250 sx

Cement Blend		
Product	%	#
Class A		23500
Gel	2.0	470
CaCl	3.0	705
Metso		
KolSeal		
PhenoSeal		
Salt		
	Total	24,675

TIME	RATE	PSI	BBLs	REMARKS	TIME	RATE	PSI	BBLs	REMARKS
8:30pm				arrivial					
8;35pm				safety meeting					
8;40pm				rig up					
1;45am				run in casing					
3;am				circ casing					
3;40am	5.0	200.0	88.7	cement & displace					
4am				shut in					
				cement did circ					
4;15am				wash up and rig down equip					
4;45am				depart					

	CREW	UNIT
Cementer:	Miles Shaw	
Pump Operator:	Paul Williams	231.0
Bulk #1:	Kale Ochs	242.0
Bulk #2:		

SUMMARY		
Average Rate	Average Pressure	Total Fluid
5 bpm	200.00 psi	88.70 bbls

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