



**CEMENT TREATMENT REPORT**

Customer: <b>Murfin Drilling Co</b>	Well: <b>Vanava Venava #4-5</b>	Ticket: <b>ICT2078</b>
City, State:	County: <b>Logan</b>	Date: <b>6/21/2019</b>
Field Rep: <b>Juan</b>	S-T-R: <b>Sec 5 - T13S - R32W</b>	Service: <b>Cement</b>

Downhole Information	
Hole Size:	12.25 in
Hole Depth:	310 ft
Casing Size:	8.625 in
Casing Depth:	305 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Depth:	ft
Displacement:	18.5 bbls

Slurry	
Weight:	14.7 # / sx
Water / Sx:	6.70 gal / sx
Yield:	1.41 ft <sup>3</sup> / sx
Bbls / Ft.:	0.0735
Depth:	310 ft
Volume:	22.8 bbls
Excess:	120% %
Total Slurry:	50.2 bbls
Total Sacks:	200 sx

Cement Blend		
Product	%	#
Class A	100.0	18800
Gel	2.0	376
CaCl	3.0	564
Metso		
KolSeal		
PhenoSeal		
Salt		
Total		19,740

TIME	RATE	PSI	BBLs	REMARKS	TIME	RATE	PSI	BBLs	REMARKS
4:30 PM				Called for job					
6:30 PM				Depart Oakley yard					
7:00 PM				Arrive on locn. Rig performing wiper trip.					
7:05 PM				JSA, discuss moving, spotting & rig-up					
7:15 PM				Move on, spot & rig-up					
7:45 PM				Rig-up complete					
7:50 PM				Rig TOH w/ DP					
8:21 PM				Start to RIH w/ casing					
9:00 PM				Casing @ setting depth					
9:15 PM		300.0		Circulate & condition hole					
9:22 PM	2.0	100.0	2.0	Pump H2O ahead					
9:25 PM	4.0	100.0	50.0	Mix & pump 200sx cement @ 14.7#					
				Y - 1.41cuft/sk, MW - 6.7g/sk					
9:37 PM	3.0	200.0		Cement to surface, 42hbl cement away					
9:39 PM	3.0	140.0	18.5	Displ. w H2O					
9:45 PM				Shutdown. End Job					
				Note: Circulated approx 25bbl good cement to surface					
				Thanks for calling HIS					

CREW		UNIT
Cementer:	Scott Green	74
Pump Operator:	Michael Rebarček	231
Bulk #1:	Alan Ryan	182 / 256
Bulk #2:		

SUMMARY		
Average Rate	Average Pressure	Total Fluid
3 bpm	168.00 psi	70.50 bbls

