



CEMENT TREATMENT REPORT

Customer:	Murfin Drilling	Well:	Laing 1-19	Ticket:	ICT2177
City, State:		County:	Cheyenne, KS	Date:	7/24/2019
Field Rep:	Jay	S-T-R:	19-25-38W	Service:	Cement

Downhole Information	
Hole Size:	12.25
Hole Depth:	303'
Casing Size:	8.625
Casing Depth:	303'
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Depth:	ft
Displacement:	18

Slurry	
Weight:	14.8 # / sx
Water / Sx:	6 5/7 gal / sx
Yield:	1 2/5 ft ³ / sx
Bbls / Ft.:	
Depth:	303' ft
Volume:	bbls
Excess:	120% %
Total Slurry:	74 bbls
Total Sacks:	295 sx

Cement Blend		
Product	%	#
Class A		27730
Gel		554
CaCl		832
Metso		
KolSeal		
PhenoSeal		
Salt		
Total		29,116

TIME	RATE	PSI	BBLs	REMARKS	TIME	RATE	PSI	BBLs	REMARKS
815pm				Arrival					
820pm				Safety meeting					
825pm				Rig up equip					
925pm				Run in casing					
				Centralizers in Jnts 2,6					
1005pm				Rig circulates casing					
1020pm	5.0	200.0	74.0	Pump 295sx cement					
1035pm	4.0	200.0	18.0	Displace cement					
1045pm		300.0		Cement down shut in					
				Cement did circulate 3 bbls					

CREW	UNIT	SUMMARY			
Cementer:	Miles Shaw	73.0	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Josh Mosier	230.0	4.5 bpm	233.33 psi	92.00 bbls
Bulk #1:	Kale Ochs	181 / 254			
Bulk #2:					



CEMENT TREATMENT REPORT

Customer: Murfin Drilling Co	Well: Laing 1-19	Ticket: IGT 2088 TCT 208
City, State: Oakley KS	County: Cheyenne	Date: 8/2/2019
Field Rep: Jay	S.T.R: 19/25/30W	Service: Cement

Downhole Information	
Hole Size:	7 7/8
Hole Depth:	4800
Casing Size:	
Casing Depth:	
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Depth:	
Displacement:	

Plugging

Slurry	
Weight:	13.8 # / sx
Water / Sx:	6 8/9
Yield:	1.42
Bbls / Ft.:	0.0142
Depth:	ft
Volume:	bbls
Excess:	
Total Slurry:	60.5
Total Sacks:	240 sx

Cement Blend		
Product	%	#
Class A	60.0	13536
Fly Ash	40.0	7104
Gel	4.0	826
Motso		
KolSeal		
PhenoSeal		
Salt		
Total		21,466

TIME	RATE	PSI	BBLs	REMARKS	TIME	RATE	PSI	BBLs	REMARKS
11:00 PM				Arrive					
11:05 PM				Safety Meeting					
11:10 PM				Rig up					
12:00 AM	3.0	300.0	64.0	Mix 50 sks @ 3295 and displace					
1:10 AM	3.0	220.0	51.0	Mix 100 sks @ 2480 and displace					
2:20 AM	3.0	110.0	13.0	Mix 50 sks @ 350 and displace					
3:15 AM	3.0	80.0	8.0	10 sks @ 40 and 30 sks RH					
3:30 AM				Wash up					
3:45 AM				Rig down					
4:00 AM				Depart					

CREW			UNIT			SUMMARY		
Cementer:	Dane Retzloff	78.0			Average Rate	Average Pressure	Total Fluid	
Pump Operator:	Josh Mosier	230.0			3 bpm	180.00 psi	126.00 bbls	
Bulk #1:	John Polly	242.0						
Bulk #2:	1							

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