



CEMENT TREATMENT REPORT

Customer: Murfin Drilling	Well: McClurg 2-12	Ticket: ICT1647
City, State: Wichita KS	County: Cheyenne	Date: 12/7/2018
Field Rep: Greg Condrfen	S-T-R: 12-2S-37	Service: Cement

Downhole Information	
Hole Size:	in
Hole Depth:	ft
Casing Size:	in
Casing Depth:	ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Depth:	ft
Displacement:	bbbls

Slurry	
Weight:	14.8 # / sx
Water / Sx:	gal / sx
Yield:	1 2/8 ft³ / sx
Bbls / Ft.:	
Depth:	344 ft
Volume:	bbbls
Excess:	100% %
Total Slurry:	75 bbbls
Total Sacks:	300 sx

Cement Blend		
Product	%	#
Class A	100.0	28200
Gel	2.0	564
CaCl	3.0	848

TIME	RATE	PSI	BBLs	REMARKS	TIME	RATE	PSI	BBLs	REMARKS
6:30 PM				Arrive					
6:35 PM				Safety meeting					
6:40 PM				Rig up					
				Rig circulate when arrived					
7:30 PM	5.0	350.0	75.0	Mix 300 sks @ 1.41 yield					
7:45 PM	4.5	300.0	20.0	Displace					
7:55 PM		200.0		End displacement/ shut in well					
8:00 PM				Wash up					
8:15 PM				Rig down					
8:30 PM				Depart					
				Approx. 10 bbbls to pit					

Total **29,610**

CREW	UNIT
Cementor: Travis Williams	28.0
Pump Operator: Alan	231.0
Bulk #1: Garret	165-256
Bulk #2:	

SUMMARY		
Average Rate	Average Pressure	Total Fluid
4.76 bpm	283.33 psi	95.00 bbbls

Greg Condrfen (Signature)



CEMENT TREATMENT REPORT

Customer: Murfin Drilling INC	Well: McClurg 2-12	Ticket: ICT1670
City, State: McDonald, KS	County: Cheyenne, KS	Date:
Field Rep: Nathan Witt	S-T-R: 12-25-37	Service: Cementing

Downhole Information	
Hole Size:	7.875
Hole Depth:	
Casing Size:	5.5
Casing Depth:	
Tubing / Liner:	
Depth:	
Tool / Packer:	
Depth:	
Displacement:	

Slurry	
Weight:	\$ / sx
Water / Sk:	gal / sx
Yield:	ft² / sx
Bbls / Ft.:	
Depth:	ft
Volume:	bbls
Excess:	%
Total Slurry:	bbls
Total Socks:	sx

Cement Blend		
Product	%	#
Class A	100.0	
Gel		
CaCl		
Metso		
KoiSeal		
PhenoSeal		
Salt		
		Total

TIME	RATE	PSI	BBLs	REMARKS	TIME	RATE	PSI	BBLs	REMARKS
10:00 AM				Arrive on location					
10:06 AM				Safety meeting					
10:10 AM				Rig up					
12:36 PM				Run casing					
2:30 PM				Circulate					
3:45 PM				Casing on bottom Circulate					
4:40 PM	5.0	200.0	12.0	Pump 600 gal of Mudflush					
4:48 PM	3.0	90.0	23.0	Mix 60 Sks for RH and MH					
5:09 PM	5.0	220.0	159.0	Mix 300 sks of H Con					
5:20 PM	5.0	300.0	69.0	Mix 200 sks of H Bond					
5:30 PM	5.0		116.0	Displace					
6:05 PM				Lift 1500 Landed @ 2000					
6:15 PM				Wash up					
6:30 PM				Rig down					
7:00 PM				Depart					
				Cement did circulate					

CREW		UNIT	SUMMARY		
Cementor:	Dane Retzioff		Average Rate	Average Pressure	Total Fluid
Pump Operator:	Ryan		4.8 bpm	202.50 psi	368.00 bbls
Bulk #1:	Alan				
Bulk #2:	Lupe				