



CEMENT TREATMENT REPORT

Customer: Murfin Drilling Co.	Well: Sowers 'A' #1-19	Ticket: ICT2167
City, State: Witchta, KS	County: Cheyenne, KS	Date: 7/21/2019
Field Rep: Jay	S-T-R: Sec19 - T2S - R38W	Service: Cement

Downhole Information	
Hole Size:	7 7/8 In
Hole Depth:	5200 ft
Casing Size:	8 5/8 In
Casing Depth:	329 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Depth:	ft
Displacement:	bbbls

Plugging

Slurry	
Weight:	13.8 # / sx
Water / Sx:	6.89 gal / sx
Yield:	1.42 ft ³ / sx
Bbls / Ft.:	
Depth:	ft
Volume:	bbbls
Excess:	%
Total Slurry:	bbbls
Total Sacks:	255 sx

Cement Blend		
Product	%	#
Class A	60.0	13923
Gel	4.0	928
CaCl		
Metso		
KofSeal		
Flo-Seal	1/4#/sk	64
Salt		
Fly Ash	40.0	9282
Total		24,197

TIME	RATE	PSI	BBLs	REMARKS	TIME	RATE	PSI	BBLs	REMARKS
6:00 AM				Called for job	2:45 PM	3.0	75	7.50	Plug Rathole w/ 30sx slurry @ 13.8ppg
8:00 AM				Depart Oakley yard	2:52 PM	2.5	50	3.80	Plug Mousehole w/ 15sx slurry @ 13.8ppg
10:00 AM				Arrive on locn. Rig RIH w/ DP to 3360'	2:56 PM	3.0	75	10.00	Pump 40sx @ 13.8ppg & plug surface
10:05 AM				JSA, discuss moving, spotting & rig-u					Y - 1.42cuf/sk, MW - 6.89g/sk
10:10 AM				Move on, spot & rig-up	3:00 PM				Shutdown
10:30 AM				Rig-up complete	3:05 PM				Wash-up pumps & lines
10:45 AM				Circulate & condltion hole	3:10 PM				JSA, discuss rigging down & rackup equip.
				Plug #1 3360' - 3150'	3:15 PM				Rig down & rack-up equipment
11:32 AM	4.0	130.0	5.0	Pump H2O ahead	3:45 AM				Rig down complete
11:35 AM	4.7	290.0	12.5	Mix & pump 50sx slurry @ 13.8ppg	3:50 PM				JSA, discuss journey management
				Y - 1.42cuf/sk, MW - 6.89g/sk	4:00 PM				Depart locn
11:37 AM	3.5	140.0	2.0	Pump H2O behind					
11:41 AM	7.0	200.0	42.8	Rig displace w/ mud					
11:47 AM				Rig POH to 2550'					
				Set Plug #2 - 2550' - 2130'					
12:19 PM	3.2	80.0	5.0	Pump H2O ahead					Thanks for calling Hurricane Svcs Inc.
12:22 PM	5.5	270.0	25.3	Mix & pump 100sx slurry @ 13.8ppg					
				Y - 1.42cuf/sk, MW - 6.89g/sk					
12:27 PM	3.4	140.0	2.0	Pump H2O behind					
12:30 PM			29.7	Rig displace w/ mud					
12:35 PM				Rig POH to 380'					
				Set Plug #3 - 380' - 185'					
1:49 PM	4.7	160.0	12.5	Mix & pump 50sx slurry @ 13.8ppg					
				Y - 1.42cuf/sk, MW - 6.89g/sk					
1:52 PM	3.4	140.0	2.4	Displace w/ H2O					
1:54 PM				Rig POH to surface					
2:05 PM				L/D Kelly, Rathole & Mousehole					

CREW		UNIT
Cementer:	Scott Green	74
Pump Operator:	Michael Rebarcek	231
Bulk #1:	Jesse Jones	242
Bulk #2:		

SUMMARY		
Average Rate	Average Pressure	Total Fluid
3.99167 bpm	145.83 psi	160.50 bbbls