



CEMENT TREATMENT REPORT

Customer: Murfin Drilling Co.	Well: Jones A #5-17	Ticket: ICT2325
City, State: Wichita, KS	County: Cheyenne, KS	Date: 9/2/2019
Field Rep: Jay	S-T-R: Sec17 - T1S - R37W	Service: Cement

Downhole Information	
Hole Size:	12.25 in
Hole Depth:	304 ft
Casing Size:	8.625 in
Casing Depth:	304 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Depth:	ft
Displacement:	18.2 bbls

Slurry	
Weight:	14.8 #/gal
Water / Sx:	6.88 gal / sx
Yield:	1.41 ft ³ / sx
Bbls / Ft.:	0.0735
Depth:	304 ft
Volume:	22.35 bbls
Excess:	200 %
Total Slurry:	69.1 bbls
Total Sacks:	275 sx

Cement Blend		
Product	%	#
Class A	100.0	25850
Gel	2.0	517
CaCl	3.0	776
Metso		
KolSeal		
PhenoSeal	0.25#/sk	69
Salt		
Total		27211'

TIME	RATE	PSI	BBLs	REMARKS	TIME	RATE	PSI	BBLs	REMARKS
15:30				Called for job					
16:00				Depart Oakley yard					
17:45				Arrive on locn. Rig just TD'd 12.25" OH					
				at 304'					
17:50				JSA, discuss moving, spotting & rig-u					
18:00				Move on, spot & rig-up					
18:30				Rig-up complete					
18:50				Start to RIH w/ casing					
19:32				Casing @ setting depth					
19:37		80.0		Circulate & condition hole					
19:43	4.5	110.0	5.0	Pump H2O ahead					
19:47	4.0	220.0	69.1	Mix & pump 295sx cement @ 14.8#					
				Y - 1.41cuft/sk, MW - 6.7g/sk					
20:04	2.5	110.0		Cement to surface, 61bbl cement away					
20:07	4.0	140.0		Displace w/ H2O					
20:12			18.2	Shutdown. End Job					
20:15				Wash-up pumps & lines					
20:30				JSA, discuss rigging down & rack up					
20:35				Rig down & rack up equip					
20:50				Rig down complete					
20:55				JSA, discuss journey management					
21:00				Depart locn					
				Note: 26bbl / 103sx cement slurry					
				circulated to surface					
				Thanks for calling Hurricane Svcs Inc					

CREW	UNIT
Cementer: Scott Green	74
Pump Operator: Michael Rebarchek	230
Bulk #1: Alex Hlxson	182 / 256
Bulk #2:	

SUMMARY		
Average Rate	Average Pressure	Total Fluid
3.75 bpm	132.00 psi	92.30 bbls



CEMENT TREATMENT REPORT

Customer: Murfin Drilling Co.	Well: Jones 'A' #X-17 5-17	Ticket: ICT2384
City, State: Wichita, KS	County: Cheyenne, KS	Date: 9/11/2019
Field Rep: Jay	S-T-R: Soc17 - T1S - R37W	Service: Cement

Downhole Information	
Hole Size:	7.875 in
Hole Depth:	4670 ft
Casing Size:	8.625 in
Casing Depth:	304 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Depth:	ft
Displacement:	bbbls

Slurry	
Weight:	13.8 #/gal
Water / Sw:	0.09 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	80.0	14382
FlyAsh	40.0	7548
Gal	4.0	877
CoCl		
KolSeal		
PhonoSeal		
Salt		
		Total
		22,807

TIME	RATE	PSI	BBLs	REMARKS	TIME	RATE	PSI	BBLs	REMARKS
10:30				Called for job	17:43	2.5	80	7.50	Plug rathole w/ 30sx slurry @ 13.8ppg
12:00				Depart Oakley yard	17:49	2.5	80	3.80	Plug mousehole w/ 15sx slurry @ 13.8ppg
13:45				Arrive on locn. Rig RH w/ DP to 3120'	17:51				Shutdown
13:50				JSA, discuss moving, spotting & rig-up	17:55				Wash-up pumps & lines
13:55				Move on, spot & rig-up	18:10				JSA, discuss rigging down & rackup equip.
14:00				DP @ 3120'. Rig circ & condition hole	18:15				Rig down & rack-up equipment
14:30				Rig-up complete	18:30				Rig down complete
				Plug #1 3120' - 2909'	18:35				JSA, discuss journey management
14:39	2.5	50.0	5.0	Pump H2O ahead	18:45				Depart locn
14:42	4.0	300.0	12.7	Mix & pump 60sx slurry @ 13.8ppg					
				Y - 1.42cuft/sk, MW - 6.89g/sk					
14:45	2.5	50.0	2.0	Pump H2O behind					
14:49	6.5	200.0	29.3	Rig displace w/ mud					
14:56				Rig POH to 2340'					Thanks for calling Hurricane Svcs Inc.
				Plug #2 2340' - 2298'					
15:28	2.5	50.0	5.0	Pump H2O ahead					
15:29	4.6	350.0	25.5	Mix & pump 100sx slurry @ 13.8ppg					Plug mousehole w/ 15sx slurry @ 13.8ppg
				Y - 1.42cuft/sk, MW - 6.89g/sk					
15:35	2.5	50.0	2.0	Pump H2O behind					
15:38	8.5	175.0	24.9	Rig displace w/ mud					
15:45				Rig POH to 355'					
				Plug #3 355' - 152'					
16:45	4.0	155.0	12.7	Mix & pump 50sx slurry @ 13.8ppg					
				Y - 1.42cuft/sk, MW - 6.89g/sk					
16:50	3.3	65.0	2.7	Displace w/ H2O					
16:52				Rig POH to surface. Rig down kelly,					
				rathole, mousehole & laydown same.					
17:38	2.5	80.0	2.5	Pump 10sx @ 13.8ppg & plug 40' - 0'					
				Y - 1.48cuft/sk; MW - 6.89g/sk					

CREW	UNIT
Cementer: Scott Green	74
Pump Operator: Michael Rabarchek	230
Bulk #1: Jesse Jones	242
Bulk #2:	

SUMMARY		
Average Rate	Average Pressure	Total Fluid
3.81638 bpm.	129.62 psi	145.60 bbls