



CEMENT TREATMENT REPORT

Customer: King Production Service Inc	Well: James Dale #11-5	Ticket: ICT2818
City, State: Yuma, CO	County: Rawlins, KS	Date: 11/21/2019
Field Rep: STP #1 - Toolpusher	S-T-R: Sec 5 - T1S - R36W	Service: Cement - PTA

Downhole Information	
Hole Size:	7.875 in
Hole Depth:	4695 ft
Casing Size:	8.625 in
Casing Depth:	225 ft
Drill Pipe	4.5 in
Depth:	3015 ft
Tool / Packer:	
Depth:	ft
Displacement:	42.9 bbls

Calculated Slurry	
Weight:	13.8 # / sx
Water / Sx:	6.89 gal / sx
Yield:	1.42 ft ³ / sx
Bbls / Ft.:	
Depth:	ft
Annular Volume:	bbls
Excess:	
Total Slurry:	60.7 bbls
Total Sacks:	240 sx

Product	% / #	#
Class A	60.00	13536
Poz	40.00	7104
Gel	4.00	826
CaCl		
Gypsum		
Metso		
PhenoSeal		
Flo Seal		
Salt (bww)		
Total		21,466

TIME	RATE	PSI	BBLs	REMARKS
5:00				Call out
7:00				Depart yard
8:50				Arrive on locn. Rig @ 3015' & circulating w/ WBM
8:55				JSA, discuss moving on, spotting & rig-up of equipment
9:00				Move on, spot & rig-up equipment
9:15				Rig-up complete
				Plug #1 3015' - 2805'
9:20	4.0	275.0	5.0	Pump water spacer
9:24	3.0	230.0	12.6	Mix & pump 50sx cement @ 13.8ppg. Y - 1.42cuf/sk; MR - 6.89g/sk
9:28	3.0	85.0	2.0	Pump water spacer
9:37	6.5	275.0	37.8	Rig displace w/ WBM
9:45				Rig POOH w/ DP
				Plug #2 2210' - 1790'
10:12	4.0	225.0	5.0	Pump water spacer
10:17	3.3	155.0	25.3	Mix & pump 100sx cement @ 13.8ppg. Y - 1.42cuf/sk; MR - 6.89g/sk
10:24	3.0	75.0	2.0	Pump water spacer
10:27	6.5	150.0	23.1	Rig displace w/ WBM
10:32				Rig POOH w/ DP
				Plug #3 275' - 74'
11:30	3.3	150.0	12.6	Mix & pump 50sx cement @ 13.8ppg. Y - 1.42cuf/sk; MR - 6.89g/sk
11:34	2.0	25.0	1.6	Displace w/ water
11:35				Rig POOH w/ DP. Laydown kelly & rathole
12:25	2.0	35.0	7.6	Plug rathole w/ 30sx cement @ 13.8ppg
12:30	2.0	35.0	2.5	Plug #4 40' - 0' w/ 10sx cement @ 13.8ppg
12:35				End Job. Wash-up pumps & lines
12:45				JSA, discuss rigging down & racking up equipment
12:55				Rig down & rack up
13:00				JSA, discuss journey management
				Depart locn
				Thanks for calling Hurricane Services Inc

CREW		UNIT	SUMMARY		
Cementer:	Scott Green	74	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Michael Rebarchek	266	3.55 bpm	143 psi	137 bbls
Bulk #1:	Kale Ochs	294			
Bulk #2:					