CEMENT TREATMENT REPORT

Customer:	Black Oak	Well:	Goetsch 1-10	Ticket:	ICT2108
City, State:	Oakley KS	County:	Sherman	Date:	7/3/2019
Field Rep:	Arturo	S-T-R:	10/6/37 W	Service:	Cement

Downhole Information	
Hole Size:	7 7/8
Hole Depth:	4930
Casing Size:	
Casing Depth:	
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Depth:	
Displacement:	

Slurry	
Weight:	13.8 # / sx
Water / Sx:	6 8/9
Yield:	1.42
Bbls / Ft.:	0.0142
Depth:	ft
Volume:	bbls
Excess:	
Total Slurry:	64.5
Total Sacks:	255 sx

Cement Blend		
Product	%	#
Class A	60.0	14326
Fly Ash	40.0	7518
Gel	4.0	874
Metso		
KolSeal		
PhenoSeal		
Salt		
	Total	22,718

TIME	RATE	PSI	BBLs	REMARKS	TIME	RATE	PSI	BBLs	REMARKS
3:30 AM				Arrive on location					
3:35 AM				Hold Safety meeting					
3:40 AM				Rig up equipment					
8:30 AM	4.0	220.0	57.0	Mix 50 sks @ 3120 and displace					
9:30 AM	4.0	190.0	52.0	Mix 100 sks @ 2200 and displace					
10:20 AM	4.0	90.0	15.0	Mix 50 sks @ 440 and displace					
10:45 AM	3.0	90.0	9.0	Mix 55 sks @ 40 MH and RH					
11:00 AM				Wash up					
11:10 AM				Rig down					
11:20 AM				Depart					

	CREW	UNIT
Cementer:	Dane Retzloff	
Pump Operator:	Dane Retzloff	231.0
Bulk #1:	John Polly	182.0
Bulk #2:		

SUMMARY		
Average Rate	Average Pressure	Total Fluid
3.75 bpm	147.50 psi	133.00 bbls

Hurricane Services, Inc.
250 N. Water
Wichita, KS 67202