CEMENT TREATMENT REPORT

Customer:	Knighton Oil	Well:	Vincent Klefer #1	Ticket:	ICT 2589
City, State:	Wichita KS	County:	Morris, KS	Date:	10/15/2019
Field Rep:	Ken Werner	S-T-R:	25-15s-9e	Service:	PTA

Downhole Information	
Hole Size:	in
Hole Depth:	ft
Casing Size:	4.5 in
Casing Depth:	3060 ft
Tubing / Liner:	2.375 in
Depth:	3060 ft
Tool / Packer:	
Depth:	ft
Displacement:	bbls

Slurry	
Weight:	13.8 # / sx
Water / Sx:	6.90 gal / sx
Yield:	1.42 ft^3 / sx
Bbls / Ft.:	
Depth:	ft
Volume:	bbls
Excess:	%
Total Slurry:	44.25 bbls
Total Sacks:	175 sx

Cement Blend		
Product	%	#
Class A	60.0	9870
Gel	4.0	602
CaCl	2.0	301
Metso		
KolSeal		
PhenoSeal		
Salt		
Flyash	40.0	5180
	Total	15,953

TIME	RATE	PSI	BBLs	REMARKS	TIME	RATE	PSI	BBLs	REMARKS
				On location safety meeting					
				Spot in and rig up					
				Hook up to tubing @ 3060'					
	3.0	500.0	16.0	Break circulation with 16 BBL					
	3.0	500.0	8.8	Mix and pump 35 sx cement					
	3.0	500.0	8.0	Displace 8 BBL					
				Pull tubing to 250'					
				Hook up to tubing @ 250'					
	3.0	400.0	4.0	Break circulation with 4 BBL					
	3.0	400.0	30.3	Mix and pump 120 sacks					
				Pull tubing out of hole					
	0.5	50.0	5.1	Top of with 20 sacks					
				Wash up tubing and truck					
				Rig down and leave location					

	CREW	UNIT
Cementer:		
Pump Operator:		
Bulk #1:		
Bulk #2:		

SUMMARY		
Average Rate	Average Pressure	Total Fluid
2.58333 bpm	391.67 psi	72.24 bbls

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