



CEMENT TREATMENT REPORT

Customer: **ST Croix Operating**

City, State: **Oakley Ks**

Field Rep: **Calven**

Well: **Armstrong #1**

County: **Washington Co**

S-T-R: **21-3S-51W**

Ticket: **ICT2684**

Date: **10/31/2019**

Service: **Surface**

Downhole Information

Hole Size: **12 1/4 in**
Hole Depth: **516 ft**
Casing Size: **8 5/8 in**
Casing Depth: **516 ft**
Tubing Liner: **in**
Depth: **ft**
Tool Packer:
Depth: **ft**
Displacement: **30.0 bbls**

Calculated Slurry

Weight: **14.8 # / sx**
Water Sx: **6.88 gal / sx**
Yield: **1.41 ft³ / sx**
Bbls Ft.: **0.0735**
Depth: **516 ft**
Annular Volume: **37.926 bbls**
Excess: **100%**
Total Slurry: **75.0 bbls**
Total Sacks: **300 sx**

Product

Class A	%	#
Poz	100.00	28200
Gel	2.00	564
CaCl	3.00	846
Gypsum		
Motso		
Kol Seal		
Flo Seal	0.25	75
Salt (bww)		

TIME RATE PSI BBLs

REMARKS

Total **REDACT**

9:30 PM				arrive on location
9:32 PM				safety meeting
9:40 PM				rig up 209
11:00 PM				start running casing
1:30 AM				casing on bottom
1:45 AM				circulate casing on bottom
1:47 AM				hook up to pump truck
2:10 AM				209 Duplex frozen (mixing motor)
2:20 AM				Call for a back up pump truck
2:30 AM				rig down 209
6:00 AM				wait for 230
6:15 AM				rig up 230
6:30 AM	5.0	260.0	75.0	mix 300 sks H-235
6:40 AM		350.0		stop to release plug
6:45 AM	5.0	320.0	30.0	wash up and Displace
6:55 AM				plug down
6:57 AM				shut in
7:00 AM			2.0	salt up truck
7:15 AM				rig down 230
7:20 AM				Depart

CREW

UNIT

SUMMARY

Cementer:	Cory Davis	85	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Dane Retzlaff	230	5 bpm	310 psi	107 bbls
Bulk #1:	John Polly	294			
Bulk #2:	Kaleb Compton	209			

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