



**CEMENT TREATMENT REPORT**

Customer: <b>Domestic Energy Partners</b>	Well: <b>Dart et al #10-20</b>	Ticket: <b>ICT2741</b>
City, State: <b>Fredonia, KS</b>	County: <b>WL, KS</b>	Date: <b>11/7/2019</b>
Field Rep: <b>Jeff Morris</b>	S-T-R: <b>NW 20-27-16</b>	Service: <b>longstring</b>

Hole Size:	<b>6 3/4 in</b>
Hole Depth:	<b>1263 ft</b>
Casing Size:	<b>4 1/2 in</b>
Casing Depth:	<b>1239.37 ft</b>
Tubing / Liner:	<b>in</b>
Depth:	<b>ft</b>
Tool / Packer:	
Depth:	<b>ft</b>
Displacement:	<b>19.77 bbls</b>

Weight:	<b>13.5 # / sx</b>
Water / Sx:	<b>9.90 gal / sx</b>
Yield:	<b>1.90 ft³ / sx</b>
Bbls / Ft.:	
Depth:	<b>ft</b>
Annular Volume:	<b>0 bbls</b>
Excess:	
Total Slurry:	<b>42.3 bbls</b>
Total Sacks:	<b>125 sx</b>

Product	% / #	#
Class A	<b>100.00</b>	<b>11750</b>
Poz		
Gel	<b>4.00</b>	<b>470</b>
CaCl	<b>2.00</b>	<b>235</b>
Gypsum	<b>8.00</b>	<b>940</b>
Metso		
Kol Seal	<b>5#</b>	<b>625</b>
Phenoseal	<b>0.5#</b>	<b>63</b>
Salt (bww)		
<b>Total</b>		<b>14,083</b>

TIME	RATE	PSI	BBLs	REMARKS
3:30 PM				on location, wait to log well and run casing
6:30 PM	5.5	200.0		established circulation
	5.5	200.0		mixed and pumped 200# Bentonite followed by 5 bbls fresh water
	5.5	200.0		mixed and pumped 100# Caustic Soda Beads followed by 10 bbls fresh water
	5.5	200.0		mixed and pumped 125 sks Thickset cement w/ 5# Kolseal and 1/2# Phenoseal per sk
	5.5			flushed pump clean
	5.5	400.0		pumped 4 1/2" rubber plug to casing TD w/ 19.77 bbls fresh water
		750.0		pressured to 750 PSI, well held pressure, released pressure to set float valve
	5.5			washed up equipment

	CREW		UNIT	SUMMARY		
	Name	Phone		Average Rate	Average Pressure	Total Fluid
Cementer:	Casey Kennedy	89		5.5 bpm	325 psi	- bbls
Pump Operator:	Harold Bechtle	239				
Bulk #1:	Keith Detwiler	247				
Bulk #2:						