



Cement Report

Customer	Cimarex		Lease No.			Date	9-19-13	
Lease	Hammer		Well #	19-6		Service Receipt	04270	
Casing	5 1/2" - 15.5'		County	Haskell		State	KS	
Job Type	242-5 1/2" Production		Formation			Legal Description	19-30-31	
Pipe Data			Perforating Data			Cement Data		
Casing size	5 1/2" 15.5'		Tubing Size			Shots/Ft		Lead
Depth	5705'		Depth	From	To			Tail in 275 sk AAA2
Volume	Disp-135 bbl		Volume	From	To			
Max Press	2500#		Max Press	From	To			
Well Connection	TD-5700'		Annulus Vol.	From	To			
Plug Depth	ST-42'		Packer Depth	From	To			

Time	Casing Pressure	Tubing Pressure	Ebbs. Pumped	Rate	Service Log
8:00					on loc-site assessment
8:30					spot trucks-rig up
11:00					CS on bit, break circ
11:00					safety meeting / JSA
11:35					pressure test 2000#
11:30					torment drilling rig #4 pump 50 bbl
					stopless
11:30					plug rat + mouse w/50 sk AAA2
11:45	200		74	5	mix + pump 275 sk AAA2
					14.8 ppz - 1.51 #43 sk
12:00					wash lines
12:05	0		0	6	drop plug, disp csg
12:25	1800		125	2	slow rate
12:30	2000		135	0	land latch down plug, float hold
					job complete

Service Units	34726	27462	3811-37517		
Driver Names	H. Olvera	E. Maudson	D. Beck		

K Martin

Customer Representative

J Bennett

Station Manager



BASIC
ENERGY SERVICES
Liberal, Kansas

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Customer <u>Chamney</u>		Lease No.		Date <u>9-11-13</u>	
Lease <u>Mammec</u>		Well # <u>19-6</u>		Service Receipt <u>04267</u>	
Casing <u>8 5/8" 24#</u>		County <u>Haskell</u>		State <u>KS</u>	
Job Type <u>247-8 5/8" Surface</u>		Formation		Legal Description <u>19-30-31</u>	
Pipe Data			Perforating Data		Cement Data
Casing size <u>8 5/8" 24#</u>	Tubing Size	Shots/Ft		Lead <u>430 sk</u>	
Depth <u>1850'</u>	Depth	From	To	A-Cen	
Volume <u>115-115 gal</u>	Volume	From	To		
Max Press <u>2500#</u>	Max Press	From	To		
Well Connection <u>10-1850'</u>	Annulus Vol.	From	To		
Plug Depth <u>51-42'</u>	Packer Depth	From	To		
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<u>2:00</u>					<u>On loc site assessment</u>
<u>2:15</u>					<u>spot trucks rig up</u>
<u>3:30</u>					<u>start csg and float camp</u>
<u>7:00</u>					<u>csg on bottom break circ</u>
<u>7:00</u>					<u>safety unplug / CSA</u>
<u>7:00</u>					<u>pressure test @ 3000#</u>
<u>7:00</u>	<u>200</u>		<u>183.8</u>	<u>5</u>	<u>Mix + Pump 430 sk A-Cen w/</u>
					<u>3% CC, 1/4# pf, 1 1/2" w-A-1</u>
					<u>12.1 ppg - 2.40 lb/sk</u>
<u>7:40</u>	<u>200</u>		<u>91.9</u>	<u>5</u>	<u>switch to tail 385 sk Premium</u>
					<u>Common w/ 2% CC, 1/4# pf @</u>
					<u>14.8 ppg 1.34 lb/sk</u>
<u>8:00</u>	<u>0</u>		<u>0</u>	<u>5</u>	<u>drop plug disp csg</u>
<u>8:10</u>	<u>400</u>		<u>40</u>	<u>5</u>	<u>got cut returns to surface</u>
<u>8:25</u>	<u>700</u>		<u>105</u>	<u>2</u>	<u>slow rate</u>
<u>8:30</u>	<u>1200</u>		<u>115</u>	<u>0</u>	<u>land plug float hold</u>
					<u>circ 75' bld to surface</u>
					<u>job complete</u>
Service Units	<u>2472e</u>	<u>2741e2</u>	<u>38119-19-30-31</u>	<u>14354-19-30-31</u>	<u>63-3787</u>
Driver Names	<u>A Owen</u>	<u>E Murrell</u>	<u>D Beck</u>	<u>Wano</u>	<u>R Mott</u>

K. Mott
Customer Representative

S. Bennett
Station Manager

A Owen
Cementer