



**BASIC**<sup>SM</sup>  
ENERGY SERVICES  
Liberal, Kansas

### Cement Report

Customer <i>Phoenix Petroleum</i>	Lease No.	Date <i>7-4-16</i>
Lease <i>Berryman Redfall Unit</i>	Well # <i>9-5</i>	Service Receipt <i>1717</i>
Casing <i>5 1/2 155</i>	Depth <i>5158</i>	County <i>Morton</i>
Job Type <i>242 5 1/2 2519C</i>	Formation	Legal Description <i>34 32 41</i>

Pipe Data		Perforating Data		Cement Data
Casing size <i>5 1/2</i>	Tubing Size	Shots/Ft		Lead
Depth	Depth	From	To	Tail in
Volume	Volume	From	To	
Max Press	Max Press	From	To	
Well Connection	Annulus Vol.	From	To	
Plug Depth	Packer Depth	From	To	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>21:45</i>					<i>on loc. / Held Safety Meeting</i>
					<i>Crq on Bottom Casing/Rig</i>
					<i>TP 5155 JS 3860 DVC 3679</i>
					<i>12' 519C CMT 1905k AA2</i>
					<i>5% W-10-10% Salt-.6% C-15</i>
					<i>1/4" Deformer - 5" bitsonite</i>
					<i>1.54M/k 6.14g/1.5k @ 14.8#/gal</i>
<i>00:07</i>	<i>4700</i>				<i>Test Pump + Lines</i>
<i>00:08</i>	<i>500</i>		<i>5</i>	<i>5</i>	<i>Start Fresh H<sub>2</sub>O</i>
<i>00:09</i>	<i>8550</i>		<i>12</i>	<i>5</i>	<i>Start Super Flush II</i>
<i>00:12</i>	<i>550</i>		<i>5</i>	<i>5</i>	<i>Start Fresh H<sub>2</sub>O</i>
<i>00:13</i>	<i>100</i>		<i>52</i>	<i>6</i>	<i>Start Cmt 1905k @ 14.8#</i>
<i>00:24</i>					<i>Shutdown + Drop Plug</i>
<i>00:30</i>					<i>With Pump + Lines</i>
<i>00:31</i>	<i>900</i>		<i>0</i>	<i>7</i>	<i>Start Disp. w/ fresh H<sub>2</sub>O</i>
<i>00:37</i>	<i>200</i>		<i>30</i>	<i>7</i>	<i>Switch to Mud</i>
<i>00:47</i>	<i>900</i>		<i>111</i>	<i>2</i>	<i>Slow Rate</i>
<i>00:52</i>	<i>750</i>		<i>121</i>	<i>2</i>	<i>Bump Plug</i>
<i>00:53</i>	<i>0</i>				<i>Release / Start Held</i>
<i>00:55</i>					<i>Drop opening Plug + hold Closing</i>
<i>01:15</i>	<i>960</i>				<i>Open Tool</i>
<i>01:20</i>					<i>Cil. w/ Rig</i>

Service Units	<i>21755</i>	<i>2780819553</i>	<i>1986519908</i>	<i>3304115883</i>
Driver Names	<i>Cochran</i>	<i>Mendoza</i>	<i>Mendoza</i>	<i>J. Martinez</i>

*K. Bergman* Customer Representative      *J. DeWitt* Station Manager      *M. Cochran* Cementer

### Cement Report

Customer <i>Phoenix</i>		Lease No.		Date <i>6-26-11</i>	
Lease <i>Burgman Piedfield</i>		Well # <i>0.5</i>		Service Receipt <i>05053</i>	
Casing	Depth	County <i>Madison</i>	State <i>KS</i>		
Job Type <i>242 85/8"</i>	Formation <i>surface</i>	Legal Description <i>34-32-41</i>			

Pipe Data		Perforating Data		Cement Data	
Casing size <i>85/8"</i>	Tubing Size <i>12 1/4" 1532' CH</i>	Shots/Ft		Lead	
Depth <i>1542'</i>	Depth <i>1338" 735'</i>	From	To		
Volume <i>95 bbl</i>	Volume	From	To		
Max Press	Max Press	From	To	Tail in	
Well Connection	Annulus Vol.	From	To		
Plug Depth <i>1490' (42')</i>	Packer Depth	From	To		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>12:00</i>					<i>on loc. site assessment</i>
<i>12:05</i>					<i>spot trucks rig up</i>
<i>2:30</i>					<i>CSG on botm, break circ</i>
<i>2:30</i>					<i>safety meeting</i>
<i>3:00</i>					<i>pressure test spot</i>
<i>3:00</i>	<i>300</i>		<i>163</i>	<i>4</i>	<i>mix = pump 310 st A con w/ 3% CC, 1/4" polyflake, 2% WCA</i>
					<i>2.95 #3/st, 18.10 gal/vk @ 11.4 ppm</i>
<i>3:45</i>	<i>100</i>		<i>36</i>	<i>4</i>	<i>switch to tail cut 150 st Class C 2% CC, 1/4" polyflake</i>
					<i>1.34 #3/st, 6.33 gal/vk @ 14.8 #</i>
<i>3:50</i>	<i>0</i>		<i>0</i>	<i>5</i>	<i>drop plug, disp CSG</i>
<i>4:30</i>	<i>1300</i>		<i>95</i>	<i>2</i>	<i>land plug float hold circ cut to surface</i>
					<i>job complete</i>
					<i>149084</i>
					<i>20800</i>
					<i>120</i>

Service Units	<i>34726</i>	<i>34104-10919</i>	<i>19828-19883</i>	<i>14255-14284</i>	
Driver Names	<i>K. Oliver</i>	<i>T. Gilman</i>	<i>D. Caraway</i>	<i>V. Anguoa</i>	

*K. Burgman* \_\_\_\_\_ **Customer Representative**      *J. Bennett* \_\_\_\_\_ **Station Manager**      *A. Oliver* \_\_\_\_\_ **Cementer**