



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

### Cement Report

Customer <i>Phoenix Petrocorp</i>		Lease No.		Date <i>5-27-11</i>		
Lease <i>Berryman Rockfield Unit</i>		Well # <i>14-4</i>		Service Receipt <i>171701758</i>		
Casing <i>8 5/8 24"</i>	Depth <i>1564</i>	County <i>Morton</i>		State <i>Ks</i>		
Job Type <i>Z 42 Surface</i>	Formation	Legal Description <i>3 33 41</i>				
Pipe Data			Perforating Data		Cement Data	
Casing size <i>8 5/8</i>	Tubing Size	Shots/Ft		Lead <i>385 sk A. cm</i>		
Depth <i>1564</i>	Depth	From	To	<i>3% CC - 1/4" poly flake</i>		
Volume	Volume	From	To	<i>.2% wca - 1 18.192/11k</i>		
Max Press	Max Press	From	To	<i>2.95 @ 1 1/2 k @ 11.47/11k</i>		
Well Connection	Annulus Vol.	From	To	Tail in <i>150 sk Perm. wt</i>		
Plug Depth <i>1521</i>	Packer Depth	From	To	<i>2% CC - 1/4" poly flake</i>		
				<i>6.319 @ 1 1/2 k 1.34/11k</i>		
				<i>@ 11.48 @ 11.47/11k</i>		
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log	
<i>13:30</i>					<i>Trucks on loc.</i>	
<i>14:30</i>					<i>Csg on bottom Cir. w/ Rig</i>	
<i>14:35</i>					<i>Spot &amp; Rig up Equip.</i>	
<i>15:00</i>					<i>Supervisor on loc.</i>	
<i>15:30</i>					<i>Hold Safety Meeting</i>	
<i>15:49</i>	<i>2500</i>				<i>Test Pump &amp; Lines</i>	
<i>15:46</i>	<i>350</i>		<i>202</i>	<i>4.5</i>	<i>Start Lead Cmt 385 sk @ 11.47</i>	
<i>16:36</i>	<i>350</i>		<i>36</i>	<i>4.5</i>	<i>Start Tail Cmt 150 sk @ 14.0</i>	
<i>16:44</i>					<i>Shutdown &amp; Drop Plug</i>	
<i>16:46</i>	<i>150</i>		<i>0</i>	<i>4</i>	<i>Start Disp. w/ fresh H<sub>2</sub>O</i>	
<i>16:56</i>	<i>250</i>		<i>40</i>	<i>3</i>	<i>Slow Rate</i>	
<i>17:10</i>	<i>500</i>		<i>80</i>	<i>2</i>	<i>Slow Rate</i>	
					<i>Slow Rate</i>	
<i>17:18</i>	<i>1100</i>		<i>97</i>	<i>2</i>	<i>Bump Plug</i>	
<i>17:19</i>	<i>0</i>		<i>96.5</i>		<i>Release / float held</i>	
<i>17:20</i>					<i>Wait + Watch Cmt in Cellar</i>	
<i>17:45</i>					<i>Rig Down</i>	
<i>18:00</i>					<i>End Job</i>	
	<i>600</i>				<i>Pressure Before Plug landed</i>	
					<i>Cir. Cmt to the Pit</i>	
Service Units	<i>21755</i>	<i>2140819553</i>	<i>1435519678</i>	<i>1435411201</i>		
Driver Names	<i>Cochran</i>	<i>Mendoza</i>	<i>Ortiz</i>	<i>Esqueda</i>		

*Jim*  
Customer Representative

*J. Bennett*  
Station Manager

*M. Cochran*  
Cementer

Customer <i>Procut Petrocorp</i>		Lease No.		Date <i>5-31-11</i>	
Lease <i>Berryman Richfield Unit</i>		Well # <i>14-4</i>		Service Receipt <i>171701763</i>	
Casing <i>5 1/2 15.5"</i>		Depth <i>5169</i>		County <i>Morton</i> State <i>Ks</i>	
Job Type <i>2 1/2 5 1/2 25112c</i>		Formation		Legal Description <i>3 - 33 - 41</i>	
<b>Pipe Data</b>			<b>Perforating Data</b>		<b>Cement Data</b>
Casing size <i>5 1/2 15.5"</i>		Tubing Size		<b>Shots/Ft</b>	
Depth <i>5169.74</i>		Depth		From	To
Volume		Volume		From	To
Max Press		Max Press		From	To
Well Connection <i>2rd</i>		Annulus Vol.		From	To
Plug Depth <i>5126 0.487703</i>		Packer Depth		From	To
Lead <i>*5cc 25cc #2</i>		Tail in			
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>22:00</i>					<i>on loc. / Hold Safety Meeting</i>
<i>22:45</i>					<i>Start Csg.</i>
<i>02:20</i>					<i>Csg. on Bottom / cir. w/ Rig</i>
					<i>Run 1st Stage</i>
<i>03:08</i>	<i>3800</i>				<i>Test Pump + Lines</i>
<i>03:09</i>	<i>600</i>		<i>5</i>	<i>5</i>	<i>Start Fresh H<sub>2</sub>O</i>
<i>03:10</i>	<i>600</i>		<i>12</i>	<i>5</i>	<i>Start Superflush II</i>
<i>03:13</i>	<i>600</i>		<i>5</i>	<i>5</i>	<i>Start Fresh H<sub>2</sub>O</i>
<i>03:14</i>	<i>600</i>		<i>48</i>	<i>5</i>	<i>Start Cmt 175sk @ 14.8#</i>
<i>03:30</i>					<i>Shutdown + Wash up</i>
<i>03:32</i>					<i>Drop Plug (weatherford)</i>
<i>03:34</i>	<i>150</i>		<i>0</i>	<i>6</i>	<i>Start Disp. w/ Fresh H<sub>2</sub>O</i>
<i>03:40</i>	<i>200</i>		<i>30</i>	<i>6</i>	<i>Switch to Mud</i>
<i>03:54</i>	<i>750</i>		<i>115</i>	<i>3</i>	<i>Slow Rate</i>
<i>03:56</i>	<i>1400</i>		<i>122</i>	<i>3</i>	<i>Bump Plug</i>
<i>03:59</i>	<i>0</i>			<i>0</i>	<i>Release / Plot Hold</i>
<i>04:00</i>					<i>Drop opening Plug</i>
<i>04:25</i>	<i>1100</i>				<i>open tool / cir. w/ Rig</i>
					<i>W.O.D.</i>
					<i>2nd Stage</i>
<i>07:40</i>	<i>3800</i>				<i>Test Pump + Lines</i>
<i>07:41</i>	<i>350</i>		<i>5</i>	<i>5</i>	<i>Start Fresh H<sub>2</sub>O</i>
Service Units	<i>21735</i>	<i>2780819553</i>	<i>1982819553</i>	<i>1980519808</i>	
Driver Names	<i>Cochran</i>	<i>Mendoza</i>	<i>J. Martinez</i>	<i>Munoz</i>	

*K. Kim*

Customer Representative

*J. Bennett*

Station Manager

*M. Cochran*

Cementer