



BASIC
ENERGY SERVICES
Liberal, Kansas

Cement Report

Customer: <u>Phoenix PetroCorp</u>	Lease No.:	Date: <u>7-9-11</u>
Lease: <u>Berryman Richfield</u>	Well #/Unit: <u>#16-4</u>	Service Receipt: <u>02058</u>
Casing: <u>8 5/8" 24#</u>	Depth: <u>1521.52'</u>	County: <u>Morton</u>
State: <u>KS</u>	Job Type: <u>242 8 5/8" Surface</u>	Legal Description: <u>34-32-41</u>

Pipe Data		Perforating Data		Cement Data
Casing size: <u>8 5/8" 24#</u>	Tubing Size:	Shots/Ft:		Lead: <u>385 SK</u>
Depth: <u>1521.52'</u>	Depth:	From:	To:	<u>A-Con</u>
Volume: <u>94 bbl disp</u>	Volume:	From:	To:	
Max Press: <u>2500#</u>	Max Press:	From:	To:	Tail in: <u>150 SK</u>
Well Connection: <u>SI-43.27'</u>	Annulus Vol.:	From:	To:	<u>Prem +</u>
Plug Depth: <u>TD-1516'</u>	Packer Depth:	From:	To:	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
8:40					on loc-side assessment
8:45					spot trucks - rig up
					safety meeting
					pressure test 2000#
9:45	240		202	5	mix + pump 385 SK A-Con w/ 3% CC, 1/4# polyflake, 12% WCA-1
					2.95 ft ³ /sk, 18.10 gal/sk @ 11.4 ppq
10:30	200		36	5	switch to tail cut 150 SK premium
					plus w/ 2% CC, 1/4# polyflake
					1.34 ft ³ /sk, 6.33 gal/sk @ 14.8 ppq
10:50	0		0	5.5	drop plug, disp CS
11:20	400		80	2	slow rate last 10' of disp
11:30	950		94	0	land plug float held
					give cut to surface
					job complete
					stand by for 30 min for fall back

Service Units	<u>34776</u>	<u>27402</u>	<u>14354-19578</u>	<u>33021-19883</u>
Driver Names	<u>A. Oliveira</u>	<u>T. Gibson</u>	<u>S. Swafford</u>	<u>H. Esqueda</u>

J. Burgmann
Customer Representative

J. Bennett
Station Manager

A. Oliveira
Cementer



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Customer: <i>Phoenix Petrocorp</i>		Lease No.		Date: <i>7-16-11</i>		
Lease: <i>Berry Mn Rightfield Unit</i>		Well #: <i>6-4</i>		Service Receipt: <i>1717 02037</i>		
Casing: <i>5 1/2 15.5</i>	Depth: <i>5160</i>	County: <i>Morton</i>		State: <i>Ks</i>		
Job Type: <i>2 1/2 5 1/2 2 stage</i>		Formation		Legal Description: <i>34 32 41</i>		
Pipe Data			Perforating Data			Cement Data
Casing size	Tubing Size		Shots/Ft		Lead	
Depth	Depth	From	To		<i>See Call sheet</i>	
Volume	Volume	From	To			
Max Press	Max Press	From	To		Tail In	
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>21:45</i>					<i>Rig Running Csg when Arrived</i>	
<i>23:10</i>					<i>Csg on Bottom Cir. w/ Rig</i>	
					<i>TP 5160 DV 3682 ST37 TO 5163</i>	
<i>00:05</i>	<i>3500</i>				<i>Test Pump & Lines</i>	
<i>00:06</i>	<i>400</i>		<i>5</i>	<i>5</i>	<i>Start fresh H₂O</i>	
<i>00:07</i>	<i>400</i>		<i>12</i>	<i>5</i>	<i>Start Super Flush II</i>	
<i>00:10</i>	<i>425</i>		<i>5</i>	<i>5</i>	<i>Start fresh H₂O</i>	
<i>00:11</i>	<i>450</i>		<i>55</i>	<i>5</i>	<i>Start Cmt 200-2k @ 14.8"</i>	
<i>00:29</i>					<i>Shutdown + Wash up</i>	
<i>00:31</i>					<i>Drop Plug (weatherford)</i>	
<i>00:32</i>	<i>100</i>		<i>0</i>	<i>7</i>	<i>Start Disp. w/ fresh H₂O</i>	
<i>00:36</i>	<i>100</i>		<i>30</i>	<i>7</i>	<i>Switch to Mud</i>	
<i>00:44</i>	<i>300</i>		<i>83</i>	<i>3</i>	<i>Slow Rate (Plug going thru Tool)</i>	
<i>00:46</i>	<i>350</i>		<i>90</i>	<i>6.5</i>	<i>Increase Rate</i>	
<i>00:51</i>	<i>750</i>		<i>115</i>	<i>2.5</i>	<i>Slow Rate</i>	
<i>00:53</i>	<i>1250</i>		<i>122</i>	<i>2.5</i>	<i>Bump Plug</i>	
<i>00:55</i>	<i>8</i>			<i>0</i>	<i>Release / float held</i>	
<i>00:00</i>					<i>Drop opening Plug</i>	
<i>01:25</i>	<i>900</i>				<i>Open Tool</i>	
<i>01:34</i>					<i>Switch to Rig Pump</i>	
<i>01:36</i>					<i>W.O.O.</i>	
Service Units		<i>21755</i>	<i>178019877</i>	<i>1980519808</i>	<i>14135 141204</i>	
Driver Names		<i>Cochran</i>	<i>Mendoza</i>	<i>Murphy</i>	<i>S. Chavez</i>	

T. Fuller
Customer Representative

J. Bennett
Station Manager

M. Cochran
Cementer