



Cement Report

Customer <i>O'Brien</i>	Lease No.	Date <i>5-20-14</i>
Lease <i>Labor 2622</i>	Well # <i>4-24</i>	Service Receipt
Casing <i>8 5/8</i>	Depth <i>1497</i>	County <i>Meade</i>
Job Type <i>292 Surface</i>	Formation	Legal Description <i>41-34-29</i>

Pipe Data		Perforating Data		Cement Data
Casing size <i>8 5/8</i>	Tubing Size	Shots/Ft		Lead <i>400sk A-Cen</i>
Depth <i>1494</i>	Depth <i>5 5/8 42</i>	From	To	<i>2.95ft-512</i>
Volume <i>93613</i>	Volume	From	To	<i>18161-516 11.4#</i>
Max Press <i>1800</i>	Max Press	From	To	Tail in <i>1505k Class C</i>
Well Connection <i>8 5/8</i>	Annulus Vol.	From	To	<i>1:34ft-516</i>
Plug Depth <i>1452</i>	Packer Depth	From	To	<i>6.3761-516 12.8#</i>

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>1300</i>					<i>Arrive On Location</i>
<i>1300</i>					<i>Safety Meeting - Rig Up</i>
<i>1200</i>					<i>Rig Pump Crew</i>
<i>1430</i>					<i>Circulate "Mud"</i>
<i>1450</i>					<i>Hookup TO BE5</i>
<i>1455</i>	<i>2000</i>		<i>1</i>	<i>1</i>	<i>Pressure Test</i>
<i>1500</i>	<i>450</i>		<i>210</i>	<i>5</i>	<i>Pump Lead out @ 11.4#</i>
<i>1530</i>	<i>300</i>		<i>36</i>	<i>5</i>	<i>Pump Tail out @ 14.8#</i>
<i>1615</i>					<i>Prep Plug - Wash up</i>
<i>1620</i>	<i>300</i>		<i>82</i>	<i>5</i>	<i>Displace</i>
<i>1640</i>	<i>700</i>		<i>10</i>	<i>2</i>	<i>Slow Pump</i>
<i>1645</i>	<i>1200</i>		<i>1</i>	<i>1</i>	<i>Lead Plug Float Held</i>
<i>1750</i>					<i>Job Complete</i>
					<i>Cement TO Surface</i>

Service Units	<i>78938</i>	<i>70991-19170</i>	<i>14355-37725</i>	<i>53021-14284</i>
Driver Names	<i>Erin</i>	<i>Sam</i>	<i>Daniel</i>	<i>Israel</i>

Roser Customer Representative
 Ben Beth Station Manager
 Erin Cementer



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ENERGY SERVICES
Liberal, Kansas

Cement Report

Customer <i>O'Brien Energy</i>	Lease No.	Date <i>5-27-14</i>
Lease <i>Larabee</i>	Well # <i>4-4</i>	Service Receipt <i>05835</i>
Casing <i>4 1/2</i>	Depth <i>6409</i>	County <i>Meade</i> State <i>KS</i>
Job Type <i>242 log string</i>	Formation	Legal Description <i>41-34-29</i>

Pipe Data		Perforating Data		Cement Data
Casing size <i>4 1/2</i>	Tubing Size	Shots/Ft		Lead <i>505k ClassH Patt More</i>
Depth <i>6409</i>	Depth <i>55.42</i>	From	To	
Volume <i>101615</i>	Volume	From	To	Tail in <i>1855k AA2 1.5157 25k 6.64 Gal. sk 14.8#</i>
Max Press <i>1600</i>	Max Press	From	To	
Well Connection <i>4 1/2</i>	Annulus Vol.	From	To	
Plug Depth <i>6369</i>	Packer Depth	From	To	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>900</i>					<i>Arrive On Location</i>
<i>930</i>					<i>Safety Meeting - Rig Up</i>
<i>900</i>					<i>Big Pumping Casing</i>
<i>1230</i>					<i>Circulate w/ Plug</i>
<i>1300</i>					<i>Hook Up To BSS</i>
<i>1304</i>	<i>1600</i>		<i>1</i>	<i>1</i>	<i>Pressure Test</i>
<i>1305</i>	<i>300</i>		<i>5</i>	<i>5</i>	<i>Pump Water Spacer</i>
<i>1310</i>	<i>275</i>		<i>12</i>	<i>5</i>	<i>Pump Mud Plug</i>
<i>1315</i>	<i>250</i>		<i>5</i>	<i>5</i>	<i>Pump Water Spacer</i>
<i>1320</i>	<i>200</i>		<i>50</i>	<i>5</i>	<i>Pump out @ 14.8#</i>
<i>1335</i>					<i>Prop Plug - Wash Up</i>
<i>1340</i>	<i>400</i>		<i>91</i>	<i>6</i>	<i>Displace</i>
<i>1355</i>	<i>800</i>		<i>10</i>	<i>2</i>	<i>Slow Down</i>
<i>1400</i>	<i>1300</i>		<i>1</i>	<i>1</i>	<i>Land Plug - Float Held</i>
<i>1430</i>					<i>Plug Not + More Hole</i>
<i>1500</i>					<i>Job Complete</i>
					<i>Thanks For Using Basic Energy Services</i>

Service Units	<i>78938</i>	<i>70897-19570</i>	<i>27808-19483</i>		
Driver Names	<i>Izzy</i>	<i>Sam</i>	<i>David</i>		

Roger

Sam Benth

Izzy Chavez



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Cement Report

Customer <u>O'Brien Energy</u>		Lease No.		Date <u>7/9/14</u>	
Lease <u>Larabee</u>		Well # <u>4-4</u>		Service Receipt <u>171705910A</u>	
Casing <u>4 1/2 10.5#</u>		Depth <u>5875</u>		County <u>Meade</u> State <u>KS</u>	
Job Type <u>Squeeze</u>		Formation		Legal Description <u>Sec 4 / TWP 34 / Range 29</u>	
Pipe Data			Perforating Data		Cement Data
Casing size <u>4 1/2" 10.5#</u>	Tubing Size <u>2 3/8</u>		Shots/Ft		Lead <u>50 SK Premium @ 16.4 Cornov</u>
Depth <u>5705-5770</u>	Depth <u>5705</u>		From <u>5770</u>	To <u>5810</u>	
Volume <u>103 BBL</u>	Volume <u>22.07</u>		From	To	Tail in <u>1010 1 3/4 4.35 gal/sec</u>
Max Press <u>2500 psi</u>	Max Press <u>2500 psi</u>		From	To	
Well Connection <u>Swage</u>	Annulus Vol. <u>59.905</u>		From	To	
Plug Depth	Packer Depth <u>5705</u>		From	To	
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<u>12:15</u>					<u>On location / Safety Mtg / Rig up</u>
<u>13:00</u>	<u>510 psi</u>		<u>41 BBL</u>	<u>2.58</u>	<u>Load Backside</u>
<u>13:14</u>					<u>Pressure test 2600 psi</u>
<u>13:20</u>					<u>Get Injection Rate (No pressure)</u>
<u>13:35</u>	<u>0</u>		<u>10 BBL</u>	<u>3 BPM</u>	<u>Start Cementing</u>
<u>13:40</u>					<u>Washup</u>
<u>13:48</u>					<u>Start Disp.</u>
<u>13:56</u>	<u>1100</u>		<u>15.5 gone</u>		<u>Caught Pressure</u>
<u>14:00</u>	<u>2000</u>		<u>16 gone</u>		<u>Shot down</u>
<u>14:05</u>	<u>2200</u>				<u>Bump pressure up / Lock down</u>
<u>14:10</u>	<u>960</u>			<u>1.5</u>	<u>Release packer / Start Rev. Out</u>
<u>14:20</u>	<u>1000</u>		<u>10 gone</u>	<u>1.45</u>	
<u>14:24</u>			<u>15 gone</u>		<u>flagged Cement</u>
<u>14:24</u>			<u>22 gone</u>		<u>flagged Water</u>
					<u>Shut down</u>
					<u>Job Complete</u>
Service Units	<u>789.39</u>	<u>37223/37276</u>	<u>14354/19578</u>		
Driver Names	<u>Chad Hanz</u>	<u>Tommy Marcellus</u>	<u>Roger Brown</u>		

Roger Pearson
Customer Representative

Serry Beaufort
Station Manager

Tommy Marcellus
Cementer