



Cement Report

Customer <i>Observed Energy</i>	Lease No. <i>Vail-7-31</i>	Date <i>10-30-14</i>
Lease <i>Vail</i>	Well # <i>7-31</i>	Service Receipt <i>1717-5204-A</i>
Casing <i>8 5/8"</i>	Depth <i>1488'</i>	County <i>Mende</i> State <i>KS</i>
Job Type <i>8 5/8" Surface</i>	Formation	Legal Description <i>31-33-29</i>

Pipe Data		Perforating Data		Cement Data
Casing size <i>8 5/8" Lsg</i>	Tubing Size	Shots/Ft		Lead <i>300sls</i> <i>Alcon Blend .2%</i> <i>3% CAC L² WCA-1</i> <i>1/4" Polyflake</i> Tail in <i>150sls</i> <i>Premium Plus Cement</i> <i>2% CAC L²</i> <i>1/4" Polyflake</i>
Depth <i>1488'</i>	Depth	From	To	
Volume	Volume	From	To	
Max Press	Max Press	From	To	
Well Connection	Annulus Vol.	From	To	
Plug Depth <i>1446'</i>	Packer Depth	From	To	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
					<i>10-29-14</i>
<i>2000</i>					<i>Called Dnt</i>
					<i>10-30-14</i>
<i>0045</i>					<i>On Location Safety Meeting</i>
<i>0820</i>					<i>Make up Iron - Circulate</i>
<i>0840</i>					<i>Test Line to Floor</i>
<i>0900</i>					<i>Pump spacer 200sls water</i>
<i>0905</i>	<i>100</i>		<i>157.6</i>	<i>8-10</i>	<i>Mixe Pump Lead Cement</i>
					<i>300sls 11.4ppg</i>
<i>0920</i>	<i>100</i>		<i>35.8</i>	<i>5-6</i>	<i>Mixe Pump Tail Cement</i>
					<i>150sls 14.8ppg</i>
<i>0930</i>	<i>1000</i> <i>1200</i>		<i>92</i>	<i>1-7</i>	<i>Drop Plug</i>
					<i>Displace</i>
<i>1002</i>	<i>1200</i>				<i>Anchor Plug 1200psi</i>
					<i>Released</i>
					<i>Float Held</i>
					<i>Job Completed</i>
					<i>THANKS FOR</i>
					<i>YOUR BUSINESS</i>

Service Units	<i>89315</i>	<i>70897-19520</i>	<i>30464-37724</i>	<i>33021-44284</i>
Driver Names	<i>Roger</i>	<i>Sam</i>	<i>Ricky</i>	<i>Hector</i>

Roger Comson
Customer Representative

Terry Bennett
Station Manager

Roger Brown
Cementer



Cement Report

Customer <i>O'Brien Energy</i>	Lease No. <i>Vail 7-31</i>	Date <i>11-6-14</i>
Lease <i>Vail</i>	Well # <i>7-31</i>	Service Receipt <i>1717-05207-A</i>
Casing <i>4 1/2"</i>	Depth <i>6459'</i>	County <i>Meade</i> State <i>KS</i>
Job Type <i>4 1/2" LS 2 stage</i>	Formation	Legal Description <i>31-33-29</i>

Pipe Data		Perforating Data		Cement Data
Casing size <i>4 1/2"</i>	Tubing Size	Shots/Ft		Lead <i>1st Stage</i>
Depth <i>6459'</i>	Depth	From	To	<i>225 SKS 14.8ppg</i>
Volume <i>103</i>	Volume	From	To	<i>.5% W-60, 10% Sntt</i>
Max Press	Max Press	From	To	<i>.6% C-15 5# Gilsomite</i>
Well Connection	Annulus Vol.	From	To	<i>1/4# Deformax</i>
Plug Depth <i>6420' - 4570'</i>	Packer Depth	From	To	Fail in <i>2nd Stage</i>

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0600					<i>Called Out</i>
0830					<i>On Location Safety Meeting</i>
1100					<i>Setup</i>
					<i>On Bottom - Circulate</i>
1440					<i>Test Lines to Rig Floor 3000psi</i>
1445	100		12	3	<i>Pump 500gals Mud Flush</i>
1449	100		60.5	6	<i>Mix Pump Cement 14.8ppg</i>
					<i>Finished mixing cement</i>
1510			29	6	<i>Drop Plug and Displace with</i>
			73	6	<i>Water & Mud</i>
1525	1400				<i>Latch Baffle Released Held</i>
					<i>Second Stage</i>
1600					<i>Drop opening tool open DV Collar</i>
1830	100		12	4	<i>Pump 500gals Mud Flush</i>
1840	200		27	4	<i>Mix and Pump Cement 14.8ppg</i>
					<i>Release Closing Plug</i>
			73		<i>Pump Displacement</i>
1910	1500				<i>Land Closing Plug - close DV Tool</i>
					<i>Released Held</i>
					<i>Job Completed</i>
					<i>5 hours</i>

Service Units	<i>89315</i>	<i>70897-19570</i>	<i>30463-19566</i>		
Driver Names	<i>Roger</i>	<i>SAM</i>	<i>Rohaileo</i>		

Roger Pearson

Jeram Bennett

Rodan Brown