



BASICSM
ENERGY SERVICES
Liberal, Kansas

Cement Report

Customer <u>Falcon Exploration</u>		Lease No.		Date <u>2-21-15</u>		
Lease <u>Steve Tucker</u>		Well # <u>1-19</u>		Service Receipt <u>5327A</u>		
Casing <u>8 5/8</u>	Depth <u>1831</u>	County <u>Gray</u>		State <u>Ks</u>		
Job Type <u>2-42</u>		Formation <u>Surface</u>		Legal Description <u>Sec 19-285-300W</u>		
Pipe Data			Perforating Data		Cement Data	
Casing size <u>8 5/8</u>	Tubing Size	Shots/Ft		Lead <u>Den 11.4</u>		
Depth <u>1831</u>	Depth	From	To	400sk		
Volume <u>116.45</u>	Volume	From	To	yield 2.95		
Max Press <u>1500</u>	Max Press	From	To	gal/sk 18.10		
Well Connection <u>8 5/8</u>	Annulus Vol.	From	To	Tail in <u>Den 14.8</u>		
Plug Depth	Packer Depth	From	To	150sk		
				yield 1.34		
				gal/sk 6.33		
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log	
1:00					On location	
1:30					Safety Meeting & Rigup	
11:14	1900				Prime up psi Test	
11:15	1900		12	2.0	Start stoploss	
11:20	50		210	6.0	Start lead cement	
11:54	50		36	6.0	Start tail cement	
12:03	0		—	—	Shut Down	
12:03	0		—	—	Drop Plug	
12:04	0		—	—	Washup	
12:06	50		1	6.0	Start Displacement	
12:21	200		54	5.0	Caught Cement	
12:30	350		86	—	Shut Down	
12:55	—		—	—	Stage Cement 3 stages 5min each	
12:57	1500		116	—	Plug landed	
1:00	—				Released back	
1:00	—				Float held	
3:00	—				Wait on Cement Fall Back	
Service Units	<u>89315</u>	<u>70287</u>	<u>19570</u>	<u>19827/32705</u>	<u>14355/19883</u>	
Driver Names	<u>JUAN</u>	<u>SAM</u>		<u>Hector R</u>	<u>Victor</u>	

Leon

Customer Representative

Tyce Davis

Station Manager

JUAN Ortiz

Cementer



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Customer <i>Falcon Exploration</i>		Lease No.		Date <i>3-8-15</i>	
Lease <i>Steve Tucker</i>		Well # <i>1-19</i>		Service Receipt <i>533V</i>	
Casing <i>5 1/2</i>	Depth <i>5387</i>	County <i>Gray</i>		State <i>KS</i>	
Job Type <i>2-42</i>		Formation		Legal Description <i>Sec 14-28-1130</i>	
Pipe Data			Perforating Data		Cement Data
Casing size <i>5 1/2</i>	Tubing Size		Shots/Ft		Lead <i>Den 14</i>
Depth <i>5365</i>	Depth	From	To		<i>1000</i>
Volume <i>127.71</i>	Volume	From	To		<i>yield 2.25</i>
Max Press <i>1500</i>	Max Press	From	To		<i>gal 18.10</i>
Well Connection <i>5 1/2</i>	Annulus Vol.	From	To		Tail in <i>Den 14.8</i>
Plug Depth	Packer Depth	From	To		<i>555 lbs</i>
					<i>yield 1.51</i>
					<i>gal 6.64</i>
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>6:30</i>					
<i>6:45</i>					<i>on location</i>
					<i>Safety Meeting plug up</i>
1:10					
<i>1:10</i>	<i>1500</i>		<i>1</i>		<i>Primeup psi test</i>
<i>1:15</i>	<i>50</i>		<i>15</i>	<i>3.0</i>	<i>Cement Rat Hole</i>
<i>1:20</i>	<i>50</i>		<i>11</i>	<i>3.8</i>	<i>Cement Mouse Hole</i>
<i>1:25</i>	<i>—</i>		<i>—</i>	<i>—</i>	<i>Shut Down</i>
<i>1:35</i>					<i>hookup to casing</i>
<i>1:39</i>	<i>100</i>		<i>12</i>	<i>5.0</i>	<i>Pump Super Flush 11</i>
<i>1:44</i>	<i>100</i>		<i>25</i>	<i>6.0</i>	<i>Pump Scavenger Cement</i>
<i>1:51</i>	<i>150</i>		<i>42</i>	<i>6.0</i>	<i>start Tail Cement</i>
<i>1:59</i>	<i>250</i>		<i>—</i>	<i>—</i>	<i>Shut Down</i>
<i>2:00</i>	<i>—</i>		<i>—</i>	<i>—</i>	<i>Drop Plug</i>
<i>2:01</i>	<i>—</i>		<i>—</i>	<i>—</i>	<i>Wash up</i>
<i>2:08</i>	<i>200</i>		<i>1</i>	<i>6.5</i>	<i>start Displacement</i>
<i>2:15</i>	<i>400</i>		<i>65</i>	<i>7.0</i>	<i>Lift Psi</i>
<i>2:25</i>	<i>1400</i>		<i>128</i>	<i>—</i>	<i>Shut Down</i>
<i>2:30</i>	<i>0</i>		<i>—</i>	<i>—</i>	<i>Released pack</i>
<i>2:35</i>					<i>Float Held</i>
<i>2:45</i>					<i>Ring down</i>
Service Units	<i>89315</i>	<i>38250</i>	<i>19842</i>	<i>14354</i>	<i>19578</i>
Driver Names	<i>JUAN</i>	<i>Carlos</i>		<i>Rogelio</i>	

Leon

Customer Representative

Tyler Davis

Station Manager

JUAN Ortiz

Cementer