

Customer <i>OSAGE-RESOURCES</i>	Lease No.	Date	
Lease <i>OSAGE</i>	Well # <i>3313 18-03HC</i>	<i>07-20-14</i>	
Field Order # <i>10856</i>	Station <i>PRR #</i>	Casing <i>OP</i>	Depth
Type Job <i>CAW PlayBACK</i>	Formation	County <i>BARBER</i>	State <i>KS</i>
		Legal Description <i>18-33-13</i>	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth	Depth <i>14</i>	From	To	Pre Pad	Max		5 Min.
Volume	Volume <i>14</i>	From	To	Pad	Min		10 Min.
Max Press	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative	Station Manager <i>Dave Scott</i>	Treater <i>Robert [Signature]</i>
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Service Units	<i>37900</i>	<i>33708</i>	<i>20920</i>	<i>19960</i>	<i>21000</i>				
Driver Names	<i>Willie</i>	<i>Eric</i>		<i>Phye</i>					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>6:00</i>					<i>on loc</i>
					<i>Set PlayBACK @ 5600'</i>
					<i>2</i>
<i>7:00</i>			<i>3</i>	<i>4.5</i>	<i>AT SPACIL</i>
			<i>14</i>		<i>mix cont 75% common @ 16ppg. 1.12 yield 4.7194%</i>
					<i>cont mixed</i>
				<i>5</i>	<i>ST Disp</i>
<i>7:20</i>			<i>50</i>		<i>Play down</i>
					<i>PULL 4 STANOS</i>
					<i>Hook Rig circ. Hole clean</i>
					<i>circ 405 BBL cont P/T</i>
					<i>JOB Complete</i>
					<i>Thank [Signature]</i>

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Customer <i>Osage Resources</i>	Lease No.	Date <i>7-29-14</i>	
Lease <i>Osage</i>	Well # <i>3513 18-03HC</i>		
Field Order # <i>1115A</i>	Station <i>Pratt</i>	Casing <i>4 1/2</i>	Depth <i>9515</i>
Type Job <i>Job</i>	Formation	County <i>Barber</i>	State <i>KS</i>
		Legal Description <i>18-335-136</i>	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size <i>4 1/2</i>	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth <i>9515</i>	Depth	From	To	Pre Pad	Max		5 Min.
Volume <i>111</i>	Volume	From	To	Pad	Min		10 Min.
Max Press <i>5000</i>	Max Press	From	To	Frac	Avg		15 Min.
Well Connection <i>4 1/2</i>	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative			Station Manager <i>Kevin Goodley</i>			Treater <i>Scott Graves</i>		
Service Units	<i>75443</i>	<i>77686</i>	<i>19960</i>					
Driver Names	<i>Scott</i>	<i>Mike</i>	<i>Aaron</i>					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>4:30</i>					<i>On location Safety Meeting Rig up.</i>
<i>5:40</i>					<i>Pump ball with rig</i>
<i>6:03</i>					<i>ball landed + opened</i>
<i>6:18</i>	<i>5000</i>				<i>Pressure Test</i>
<i>6:22</i>	<i>0</i>		<i>5</i>	<i>5.1</i>	<i>Pump H2O spacer</i>
<i>6:24</i>	<i>2000</i>		<i>12</i>	<i>4.7</i>	<i>Pump Mud flush</i>
<i>6:28</i>	<i>1100</i>		<i>5</i>	<i>5.2</i>	<i>Pump H2O spacer</i>
<i>6:30</i>	<i>1400</i>		<i>86</i>	<i>5.2</i>	<i>Pump 320515 50/50 P02 at 13.6 app</i>
<i>6:50</i>					<i>Wash Pump + line</i>
<i>6:51</i>					<i>Drop Bomb/Dart</i>
<i>6:52</i>	<i>200</i>			<i>6.1</i>	<i>Start Displacement</i>
<i>7:01</i>	<i>1700</i>		<i>43</i>	<i>3.2</i>	<i>land dart</i>
<i>7:16</i>	<i>1200</i>		<i>105</i>	<i>2.9</i>	<i>Slow Rate</i>
<i>7:18</i>	<i>1500</i>		<i>111</i>		<i>Dart landed</i>
<i>7:18</i>	<i>2100</i>				<i>Increase pressure to set tool</i>
<i>7:30</i>					<i>set packer</i>
<i>7:35</i>			<i>200</i>	<i>5</i>	<i>Circulate well clear</i>
<i>8:10</i>					<i>Shut down Job Complete</i>

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