

# Mid-Continent Conductor, LLC

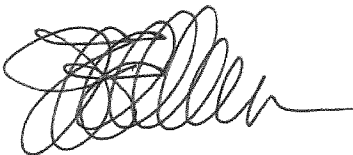
P.O. Box 1570, Woodward, OK 73802

Ph. 580-254-5400 Fax 580-254-3242

## CEMENTING REPORT

Operator: Unit Corporation
Well Name: Haw 15-2H
Legal Description: Reno Cnty, KS

Cement Casing Data	
Cementing Date	7/9/14
Size of Drill Bit (Inches)	28
Size of Casing (Inches O.D.)	16
Setting Depth of Casing (ft.) from ground level	160
Type of Cement	Common Cement
Sacks of Cement Used	144
Was cement circulated?	Yes
Job witnessed by: Spencer Brownlee	



Jeff M. Owen

Mid-Continent Conductor, LLC

Customer <b>UNIT Petroleum</b>	Lease No.	Date <b>7-24-14</b>
Lease <b>HAW</b>	Well # <b>15-2-A</b>	
Field Order # <b>10862</b>	Station <b>PRATT KS</b>	Casing
Type Job <b>CNW 4 1/2 Lined</b>	Formation	Depth
		County <b>DeW</b>
		State <b>KS</b>
		Legal Description <b>15-25-10</b>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <b>4 1/2</b>	Tube Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
Depth <b>4372</b>	Depth <b>4037</b>	From	To	Pre Pad	Max		5 Min.	
Volume <b>67.7</b>	Volume <b>93.6</b>	From	To	Pad	Min		10 Min.	
Max Press	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection <b>Scott</b>	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth <b>161</b>	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative	Station Manager <b>DAVE SCOTT</b>	Treater <b>Robert Sullivan</b>
Service Units <b>37900 33708 20920 70955 19918</b>		
Driver Names <b>Southward Epings Phye</b>		

Time	Casing Pressure	Tube Pressure	Bbls. Pumped	Rate	Service Log
<b>8:30</b>					on loc
					Run 4372' 4 1/2 11.6 4037' 5 1/2 17 8409'
<b>10:55</b>					CASING ON BOTTOM
<b>11:00</b>					Plg circ csp.
<b>12:00</b>	<b>430</b>		<b>5</b>	<b>3.5</b>	RT SPACER
			<b>12</b>		ST MUD FLUSH
			<b>5</b>		SPACER
			<b>5</b>		mix emul 400 gal 50/50 per yield 1.52 7.17 gal/gal
			<b>108</b>		mixed @ 13.8 ppf = 108 BBL
					emul mixed pump ONE BBL Sugar water -
					shut down Repair plug
			<b>5</b>		ST Disp w/ Sugar H <sub>2</sub> O just 40 BBL
					AND 2% KCL
	<b>500</b>		<b>44</b>		Lift Ps.
	<b>1350</b>			<b>3.5</b>	Slow Rxte
<b>1:30</b>	<b>2500</b>		<b>161</b>		plug down HOPE HOLD
					JOB COMPLETE
					Thank you



Energy services, L.P.

TREATMENT REPORT

Customer <b>Unit Petroleum</b>	Lease No.	Date
Lease <b>Haw</b>	Well # <b>15-2 H</b>	<b>7-17-14</b>
Field Order # <b>11026</b>	Station <b>Pratt</b>	Casing <b>7'</b>
Type Job <b>CHW</b>	Formation <b>Intermediate</b>	Depth <b>4335</b>
		County <b>Reno</b>
		State <b>KS</b>
		Legal Description <b>15-25-10</b>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
<b>7</b>								
Depth <b>4335</b>	Depth	From	To	Pre Pad		Max		5 Min.
Volume <b>165</b>	Volume	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 <b>4340</b>	Packer Depth	From	To	Flush		Gas Volume		Total Load

Customer Representative <b>max</b>	Station Manager <b>Kevin</b>	Treater <b>JOE</b>
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Service Units <b>19889</b>	<b>19843</b>	<b>19826</b>	<b>19860</b>	<b>28443</b>					
Driver Names <b>ED</b>	<b>JASH</b>			<b>JOE</b>					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<b>0715</b>					<b>on LOC / safety meeting</b>
					<b>Run 100 JTS of 7" 26" C55</b>
			<b>5</b>		<b>H2O spacer</b>
			<b>12</b>	<b>6</b>	<b>mud flush</b>
<b>900</b>	<b>300</b>		<b>5</b>	<b>6</b>	<b>H2O spacer</b>
	<b>300</b>		<b>42</b>	<b>6</b>	<b>mix 160 slt. AA2 cement @ 15#</b>
			<b>0</b>	<b>0</b>	<b>shut down Release Plug</b>
			<b>0</b>	<b>0</b>	<b>start H2O DISP.</b>
			<b>114</b>	<b>6</b>	<b>Lift PSZ</b>
			<b>155</b>	<b>5</b>	<b>slow rate</b>
<b>945</b>			<b>165</b>	<b>0</b>	<b>Plug Down</b>

**JOB complete**  
**Thank you**  
**JOE**



energy services, L.P.

TREATMENT REPORT

Customer <b>UNIT Petroleum</b>	Lease No.	Date <b>07-13-14</b>
Lease <b>HAW</b>	Well # <b>15-2 #</b>	
Field Order # <b>10899</b>	Station <b>PRATT KS</b>	Casing <b>9 5/8</b>
Type Job <b>CNW 9 5/8 Surface</b>	Depth <b>1523'</b>	County <b>RENO</b>
	Formation	State <b>KS</b>
		Legal Description <b>15-25-10</b>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<b>9 5/8</b>				Pre Pad	Max		5 Min.	
Depth <b>1523</b>	Depth	From	To	Pad	Min		10 Min.	
Volume <b>118</b>	Volume	From	To	Frac	Avg		15 Min.	
Max Press <b>1000</b>	Max Press	From	To		HHP Used		Annulus Pressure	
Well Connection <b>PC</b>	Annulus Vol.	From	To	Flush	Gas Volume		Total Load	
Plug Depth <b>1523</b>	Packer Depth	From	To					

Customer Representative: \_\_\_\_\_ Station Manager: **DAVE Seest** Treater: **Robert Sullivan**

Service Units	<b>37900</b>	<b>33708</b>	<b>20920</b>	<b>19960</b>	<b>21010</b>	<b>19831</b>	<b>19862</b>
Driver Names	<b>Sullivan</b>	<b>Erwin</b>	<b>D. B. Seest</b>	<b>HAW Seest</b>			

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<b>10:20</b>					<b>ON LOC</b>
<b>11:45</b>	<b>150</b>		<b>3</b>	<b>3.5</b>	<b>At Spacer</b>
			<b>142</b>	<b>5</b>	<b>mix cmf 325 sk A-CO<sub>2</sub>-3%oc 1/4oc/Ratec</b>
			<b>60</b>		<b>2.17 yield, 1449 m/sk = 142 BBL cmf 12 PPG</b>
					<b>mix sand 280 sk (common) - 2%oc 1/4oc/Ratec</b>
					<b>1.20. yield, 5.23 p/sk - 60 BBL @ 15.6 PPG</b>
					<b>cmf mixed shot down</b>
					<b>Release Plug</b>
<b>12:50</b>	<b>1,000</b>		<b>118</b>	<b>4</b>	<b>At Pump</b>
					<b>plug down</b>
					<b>Work field.</b>
					<b>NEED NOT circulate cmf HAW Returns</b>
					<b>Work Job</b>