

# 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 22-1H
Legal Description: Reno Cnty, KS

Cement Casing Data	
Cementing Date	6/13/14
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 <i>Unit Petroleum</i>	Lease No.	Date <i>6-23-2014</i>	
Lease <i>Hsu</i>	Well # <i>22-1H</i>		
Field Order # <i>10001</i>	Station <i>Pratt 1K5</i>	Casing <i>9 5/8</i>	Depth <i>1530'</i>
Type Job <i>CNW / surface</i>	Formation <i>TD-1525</i>	County <i>Renew</i>	State <i>KS</i>
		Legal Description <i>15-25-10</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
<i>9 5/8</i>								
Depth <i>1530</i>	Depth	From	To	Pre Pad		Max		5 Min.
Volume <i>118</i>	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 <i>1528</i>	Packer Depth	From	To	Flush		Gas Volume		Total Load

Customer Representative	Station Manager <i>Kevin Goraley</i>	Treater <i>Darin Franklin</i>
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Service Units	<i>27283</i>	<i>19885</i>	<i>19843</i>	<i>19831</i>	<i>19862</i>	<i>70959</i>	<i>19918</i>			
Driver Names	<i>Darin</i>	<i>Ed</i>	<i>Ed</i>	<i>Dsic</i>	<i>Dsic</i>	<i>Dsic</i>	<i>Dsic</i>			

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
<i>3:30</i>					<i>on location / safety meetings</i>
	<i>200</i>		<i>3</i>	<i>4</i>	<i>PUMP 3 bbbs water</i>
	<i>200</i>		<i>143</i>	<i>4</i>	<i>mix 3250r A-con</i>
	<i>200</i>		<i>60</i>	<i>4</i>	<i>280 sr common</i>
					<i>Shut down</i>
					<i>Release Plus</i>
	<i>200</i>		<i>0</i>	<i>4</i>	<i>Start Displacement</i>
	<i>600</i>		<i>100</i>	<i>3</i>	<i>Slow Rate</i>
	<i>1600</i>		<i>110</i>	<i>3</i>	<i>Bump Plus</i>
					<i>Flow - Help</i>
					<i>Circulate 35 bbbs @ 4r</i>
					<i>Job Complete / Dsrind crew</i>
					<i>Thank you!!!</i>

Customer <i>UNIT Petroleum</i>	Lease No.	Date <i>07/01/14</i>	
Lease <i>HAW</i>	Well # <i>22-1H</i>		
Field Order # <i>10893</i>	Station <i>Pratt</i>	Casing <i>7"</i>	Depth <i>4336'</i>
Type Job <i>CNW 7" INTERMEDIATE</i>	Formation	County <i>RENO</i>	State <i>KS</i>
		Legal Description <i>B-25-10</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size'	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<i>7"</i>				Pre Pad	Max		5 Min.	
Depth <i>4336'</i>	Depth	From	To	Pad	Min		10 Min.	
Volume <i>171</i>	Volume	From	To	Frac	Avg		15 Min.	
Max Press <i>1200</i>	Max Press	From	To		HHP Used		Annulus Pressure	
Well Connection <i>P.C</i>	Annulus Vol.	From	To	Flush	Gas Volume		Total Load	
Plug Depth <i>4336'</i>	Packer Depth	From	To					

Customer Representative	Station Manager <i>DAVE SCOTT</i>	Treater <i>Robert [Signature]</i>
Service Units <i>37900 19959 20820 70959 19828</i>		
Driver Names <i>Sullivan Eggen Phyc</i>		

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
<i>3:15</i>					<i>on loc safety meeting</i>
<i>4:00</i>			<i>5</i>	<i>3.5</i>	<i>1st spacer</i>
			<i>12</i>		<i>road flush</i>
			<i>5</i>		<i>SPACER</i>
			<i>40</i>	<i>4.5</i>	<i>mix amt 160 sk AA-2 @ 15 ppf</i>
					<i>yield 1.43 6.01 mg/st</i>
					<i>amt mixed shut down</i>
					<i>Release Plug</i>
				<i>5.5</i>	<i>1st Dip</i>
	<i>200</i>		<i>120</i>		<i>Lift PSI</i>
<i>5:00</i>	<i>1200</i>		<i>171</i>	<i>4</i>	<i>shut down</i>
					<i>Return PSI Flare Held</i>
					<i>SOB Complete</i>
					<i>Thank you</i>

Customer	Unit Petroleum	Lease No.			Date	7-8-14	
Lease	Haw	Well #	22-114				
Field Order #	10769	Station	Pratt	Casing	4 1/2	Depth	
Type Job	C/W - LNER			Formation		County	Reno
						State	55
						Legal Description	15.25-16

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
4 1/2								
Depth 857	Depth	From	To	Pre Pad		Max		5 Min.
Volume 168	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 8528	Packer Depth	From	To	Flush		Gas Volume		Total Load

Customer Representative	Station Manager			Treater
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Service Units	33708	20920	19960	21010	19926	19960	28443	X-Hand
Driver Names	SCOTT		JACK		ROBERT		JOE	HUSTON

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0930					ONLOC / safety meeting Run 125 JTS 4 1/2 @ 11.6# Run 95 JTS 5 1/2 @ 17# Hookup TO START JOB
1100	0		5	6	H2O Spacer
			12	6	mud flush
	500		5	6	H2O Spacer
			148	6	Mix 550 SK 50/50 POZ @ 13.8#
	700		1	0	Sugar H2O
1145			0	0	Shut Down Release Plug
	0		0	6	START H2O DISP with Sugar H2O @ KCL
	600		40	6	LIST PSI
			160	5	SLow RATE
	3000		167	0	PLug Down
					PSI UP TO 4000 TO SET PLUG
					JOB completed
					Thank you
					JOE