

# Mid-Continent Conductor, LLC

P.O. Box 1105, Woodward, OK 73802  
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## CEMENTING REPORT

Operator: Unit Corporation
Well Name: Stroberg 24-1H
Legal Description: Reno Cnty, KS

Cement Casing Data	
Cementing Date	12-21-16
Size of Drill Bit (Inches)	28
Size of Casing (Inches O.D.)	20
Setting Depth of Casing (ft.) from ground level	160
Type of Cement	8 sack grout
Sacks of Cement Used	144
Was cement circulated?	Yes

Jeff M. Owen  
Mid-Continent Conductor, LLC

<b>JOB SUMMARY</b>			PROJECT NUMBER <b>SOK 5790</b>	TICKET DATE <b>11/28/16</b>
COUNTY <b>Reno</b>	State <b>Kansas</b>	COMPANY <b>Unit Petroleum</b>	CUSTOMER REP <b>Larry Miller</b>	
LEASE NAME <b>Stroberg</b>	Well No. <b>24-1HXL</b>	JOB TYPE <b>Surface</b>	EMPLOYEE NAME <b>Brett Armer</b>	

EMP NAME					
Brett Armer		0			
Jared Green					
Jeremy Truong					
Leonard Titus					

Form. Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At **0**  
 Bottom Hole Temp. **80** Pressure \_\_\_\_\_  
 Retainer Depth \_\_\_\_\_ Total Depth **1518**

	Called Out	On Location	Job Started	Job Completed
Date	<b>11/27/2016</b>	<b>11/28/2016</b>	<b>11/28/2016</b>	<b>11/28/2016</b>
Time	<b>1600</b>	<b>0530</b>	<b>1055</b>	<b>1211</b>

Tools and Accessories		
Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data						
	New/Used	Weight	Size Grade	From	To	Max. Allow
Casing		36#	9 5/8"	Surface	1,518	1,500
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			12 1/4"	Surface	1,515	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials			
Mud Type	WBM	Density	<b>9</b> Lb/Gal
Disp. Fluid	Fresh Water	Density	<b>8.33</b> Lb/Gal
Spacer type	Fresh Water	BBL.	<b>10</b>
Spacer type	BBL.		
Acid Type	Gal.		%
Acid Type	Gal.		%
Surfactant	Gal.		In
NE Agent	Gal.		In
Fluid Loss	Gal/Lb		In
Gelling Agent	Gal/Lb		In
Fric. Red.	Gal/Lb		In
MISC.	Gal/Lb		In
Perfpac Balls		Qty.	
Other			
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
<b>11/28</b>	<b>7.0</b>	<b>11/28</b>	<b>1.0</b>	Surface
Total	<b>7.0</b>	Total	<b>1.0</b>	

Pressures			
MAX	<b>1,500 PSI</b>	AVG.	<b>150</b>
Average Rates in BPM			
MAX	<b>6 BPM</b>	AVG	<b>5</b>
Cement Left in Pipe			
Feet	<b>40</b>	Reason	<b>SHOE JOINT</b>

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	500	Tex Lite Premium Plus 65	6% Gel - 2% Calcium Chloride - 1/4 pps Celloflake - 0.2% X-Air	10.88	1.84	12.70
2	245	Premium Plus (Class C)	2% Calcium Chloride - 1/2pps Cello-Flake	6.32	1.32	14.80
3	*200	Premium Plus (Class C)	*2% Calcium Chloride on side to use if necessary	*6.32	*1.32	*14.8

Summary					
Preflush Breakdown	Type: _____	MAXIMUM	1,500 PSI	Preflush: BBI	<b>10.00</b>
	Lost Returns-N	NO/FULL		Load & Bkdn: Gal - BBI	<b>N/A</b>
	Actual TOC	SURFACE		Excess /Return BBI	
Average	Bump Plug PSI:			Calc. TOC:	<b>SURFACE</b>
ISIP	5 Min. _____	10 Min. _____	15 Min. _____	Final Circ. PSI:	<b>400</b>
				Cement Slurry: BBI	<b>222.0</b>
				Total Volume BBI	<b>346.00</b>
				Type: Fresh Water	
				Pad:Bbl-Gal	<b>N/A</b>
				Calc.Disp Bbl	
				Actual Disp.	<b>114.00</b>
				Disp:Bbl	

CUSTOMER REPRESENTATIVE \_\_\_\_\_  
 \_\_\_\_\_  
 SIGNATURE

JOB LOG					PROJECT NUMBER SOK 5790	TICKET DATE 11/28/16
COMPANY Unit Petroleum		COUNTRY USA			STATE Kansas	COUNTY Reno
LEASE NAME Stroberg 24-1HXL		EMPLOYEE NAME Brett Armer			CUSTOMER REP Larry Miller	
Well No.		SEC / TWP / RNG 24/25S/10W			TICKET AMOUNT #REF!	
FIELD Wildcat		JOB PURPOSE Surface			WELL TYPE Oil & Gas	
API/WI # 15-155-21742-01-00						
	Time	Rate (BPM)	Volume (BBL)(GAL)	Press.(PSI)		Job Description / Remarks
				CSG.	Tbg	
11-28-16	0530					Arrive on location
	1015					Rig up
	1045					Safety meeting
	1055			1500		Test lines
	1057	4.0	10	80		H2O ahead
	1100	5.0	164.0	100		Cement @ 12.7
	1139	5.0	58.0	85		Cement @ 14.8
	1153	6.0	114.0	400		H2O displacement
	1211			275		Shut down
	1213			Held		Check float shoe
	1220					Rig down
	1240					Leave location
						SUPERVISOR SIGNITURE
Bumped Plug	Final lift Psi	Floats Held	PSI ON CSG	CEMENT SURFACE	X _____	
	400	YES	275.0			

<b>JOB SUMMARY</b>			PROJECT NUMBER <b>SOK 5796</b>	TICKET DATE <b>12/02/16</b>
COUNTY <b>Reno</b>	State <b>Kansas</b>	COMPANY <b>Unit Petroleum</b>	CUSTOMER REP <b>0</b>	
LEASE NAME <b>Stroberg</b>	Well No. <b>24-1HXL</b>	JOB TYPE <b>Intermediate</b>	EMPLOYEE NAME <b>Charles Spracklen</b>	

EMP NAME	Charlie Spracklen	0					
Charlie Spracklen							
Buddy Boeckman							
0.00							

Form. Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At **0**  
 Bottom Hole Temp. **140** Pressure \_\_\_\_\_  
 Retainer Depth \_\_\_\_\_ Total Depth **4368**

Date	Called Out	On Location	Job Started	Job Completed
	<b>12/2/2016</b>	<b>12/2/2016</b>	<b>12/2/2016</b>	<b>12/2/2016</b>
Time	<b>1300</b>	<b>1600</b>	<b>2000</b>	<b>2130</b>

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data						
	New/Used	Weight	Size	Grade	From	To
Casing		29#	7"		Surface	4,368
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			8 3/4"		Surface	4,365
Perforations						Shots/Ft.
Perforations						
Perforations						

Materials			
Mud Type	WBM	Density	9 Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33 Lb/Gal
Spacer type	resh Wate BBL.		10 8.33
Spacer type	BBL.		
Acid Type	Gal.		%
Acid Type	Gal.		%
Surfactant	Gal.		In
NE Agent	Gal.		In
Fluid Loss	Gal/Lb		In
Gelling Agent	Gal/Lb		In
Fric. Red.	Gal/Lb		In
MISC.	Gal/Lb		In

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
12/2		12/2		Intermediate
Total	<b>0.0</b>	Total	<b>0.0</b>	

Perfpac Balls \_\_\_\_\_ Qty. \_\_\_\_\_  
 Other \_\_\_\_\_  
 Other \_\_\_\_\_  
 Other \_\_\_\_\_  
 Other \_\_\_\_\_

Pressures	
MAX <b>1,500 PSI</b>	AVG. <b>380</b>
Average Rates in BPM	
MAX <b>6 BPM</b>	AVG <b>5</b>
Cement Left in Pipe	
Feet <b>42</b>	Reason <b>SHOE JOINT</b>

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	150	50/50 Poz Premium	4% Gel - 0.4% FL-17 - 0.1% DO1 - 0.2% X-Air - 2#/sk Phenoseal	6.77	1.44	13.60
2	100	Premium H	0.4% FL-17 - 0.1% DO1	5.20	1.18	15.60
3	0	0		0	0.00	0.00

Summary			
Preflush Breakdown	Type: _____	MAXIMUM <b>1,500 PSI</b>	Preflush: BBI <b>25.00</b>
	Lost Returns-N	<b>NO/FULL</b>	Load & Bkdn: Gal - BBI <b>N/A</b>
	Actual TOC	<b>SURFACE</b>	Excess /Return BBI _____
Average	Bump Plug PSI:	_____	Calc. TOC: _____
ISIP <b>5 Min.</b>	<b>10 Min.</b>	<b>15 Min.</b>	Final Circ. PSI: <b>710</b>
			Cement Slurry: BBI <b>59.0</b>
			Total Volume BBI <b>245.00</b>
			Type: _____ Mudwash
			Pad:Bbl-Gal <b>N/A</b>
			Calc.Disp Bbl <b>161</b>
			Actual Disp. <b>161.00</b>
			Disp:Bbl _____

CUSTOMER REPRESENTATIVE \_\_\_\_\_ SIGNATURE \_\_\_\_\_

# JOB LOG

<b>COMPANY</b> Unit Petroleum		<b>COUNTRY</b> USA		<b>PROJECT NUMBER</b> SOK 6796		<b>TICKET DATE</b> 12/02/16	
<b>LEASE NAME</b> Stroberg 24-1HXL		<b>WELL NO.</b> Well No.		<b>STATE</b> Kansas		<b>COUNTY</b> Reno	
<b>FIELD</b> Wildcat		<b>EMPLOYEE NAME</b> Charles Spracklen		<b>CUSTOMER REP</b>			
<b>API/UWI #</b> 15-155-21742-01-00		<b>SEC / TWP / RNG</b> 24/25S/10W		<b>TICKET AMOUNT</b> #REF!			
		<b>JOB PURPOSE</b> Intermediate		<b>WELL TYPE</b> Oil & Gas			

Date	Time	Rate (BPM)	Volume (BBL)(GAL)	Press.(PSI)		Job Description / Remarks
				CSG.	Tbg	
12/2/2016	1300					TIME ARRIVED IN YARD
	1310					Fit for duty meeting
	1330					Headed to location from yard!
	1600					Arrive On Location
	1900					Rig Up
	1945					Safety meeting
	2005				4000	Test Lines
	2008	5.0	25.0		210	Pump 25bbl Mud Flush
	2012	5.0	39.0		385	Mix And Pump 150sx Lead Cmt. 39bbl@13.6ppg
	2020	5.0	21.0		280	Mix And Pump 100sx tail Cmt. 21bbl@15.6ppg
	2026					Shut down Release Plug
	2028	6.0			75	Begin Displacement
	2040	6.0	65.0		185	Check Rate And Pressure
	2045	6.0	95.0		410	Check Rate And Pressure
	2052	3.0	140.0		690	Slow Rate To Land Plug
	2100		161.0	710	1365	Land Plug
	2105					Floats Held with 1/2bbl Return
	2130					Rig Down Leave Location
						<b>SUPERVISOR SIGNITURE</b>
<b>Bumped Plug</b>	<b>Final lift Psi</b>	<b>Floats Held</b>	<b>PSI ON CSG</b>	<b>CEMENT SURFACE</b>		X _____
YES	710	YES	1365.0			

<h1>JOB SUMMARY</h1>			PROJECT NUMBER <b>SOK 5805</b>	TICKET DATE <b>12/14/16</b>
COUNTY	State	COMPANY	CUSTOMER REP	
<b>Reno</b>	<b>Kansas</b>	<b>Unit Petroleum</b>	<b>Larry Miller</b>	
LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME	
<b>Stroberg</b>	<b>24-1HXL</b>	<b>Liner</b>	<b>Brett Armer</b>	

EMP NAME	0				
0.00 <b>Brett A.</b>					
0.00 <b>JARED G.</b>					
0.00 <b>LEONARD T.</b>					
0.00 <b>Jeremy T.</b>					

Form. Name \_\_\_\_\_ Type: \_\_\_\_\_

Packer Type \_\_\_\_\_ Set At **4,011**

Bottom Hole Temp. **125** Pressure \_\_\_\_\_

Retainer Depth \_\_\_\_\_ Total Depth **8470**

Date	Called Out	On Location	Job Started	Job Completed
	<b>12/13/2016</b>	<b>12/14/2016</b>	<b>12/14/2016</b>	<b>12/14/2016</b>
Time	<b>2300</b>	<b>0600</b>	<b>1212</b>	<b>1445</b>

Tools and Accessories

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data

New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	<b>13.5#</b>	<b>4 1/2"</b>				<b>1,500</b>
Liner					<b>4,409</b>	
Drill Pipe					<b>500</b>	
Drillcollars		<b>0</b>			<b>924</b>	
Heavy DP					<b>919</b>	
Open Hole		<b>6 1/8"</b>		<b>Surface</b>	<b>8,470</b>	<b>Shots/Ft.</b>
Perforations						
Perforations						
Perforations						

Materials

Mud Type	WBM	Density	9	Lb/Gal
Disp. Fluid	Fresh Water	Density	<b>8.33</b>	Lb/Gal
Spacer type	resh Water BBL.		<b>10</b>	<b>8.33</b>
Spacer type	BBL.			
Acid Type	Gal.	%		
Acid Type	Gal.	%		
Surfactant	Gal.	In		
NE Agent	Gal.	In		
Fluid Loss	Gal/Lb	In		
Gelling Agent	Gal/Lb	In		
Fric. Red.	Gal/Lb	In		
MISC.	Gal/Lb	In		

Perfpac Balls \_\_\_\_\_ Qty. \_\_\_\_\_

Other \_\_\_\_\_

Other \_\_\_\_\_

Other \_\_\_\_\_

Other \_\_\_\_\_

Other \_\_\_\_\_

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
<b>12/14</b>	<b>9.5</b>	<b>12/14</b>	<b>2.5</b>	Liner
Total	<b>9.5</b>	Total	<b>2.5</b>	

Pressures

<b>MAX 1,500 PSI</b>	<b>AVG. 900</b>
Average Rates in BPM	
<b>MAX 6 BPM</b>	<b>AVG 5</b>
Cement Left in Pipe	
<b>Feet 50</b>	<b>Reason SHOE JOINT</b>

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
<b>1</b>	<b>360</b>	<b>50/50 Poz Premium</b>	<b>4% Gel - 0.4% FL-4 - 0.1% SA-1 - 0.2% X-Air - 0.5% C-45 - 2#/sk Phenoseal</b>	<b>7.10</b>	<b>1.47</b>	<b>13.60</b>
<b>2</b>	<b>0</b>	<b>0</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>3</b>	<b>0</b>	<b>0</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

Summary

Preflush Breakdown	Type: _____	MAXIMUM <b>1,500 PSI</b>	Preflush: BBI <b>25.00</b>	Type: Mudwash
	Lost Returns-N <b>NO/FULL</b>	Actual TOC <b>SURFACE</b>	Load & Bkdn: Gal - BBI <b>N/A</b>	Pad: Bbl - Gal <b>N/A</b>
Average	Bump Plug PSI: _____	Final Circ. PSI: _____	Excess /Return BBI _____	Calc. Disp Bbl _____
ISIP <b>5 Min.</b>	<b>10 Min.</b>	<b>15 Min.</b>	Calc. TOC: <b>4,011</b>	Actual Disp. <b>99.00</b>
			Cement Slurr: BBI <b>94.0</b>	Disp: Bbl _____
			Total Volume BBI <b>218.00</b>	

CUSTOMER REPRESENTATIVE \_\_\_\_\_

*Randy J. Muth*  
SIGNATURE

AFK: 1601501 / Routing # 020105

<b>JOB LOG</b>						PROJECT NUMBER <b>SOK 5805</b>	TICKET DATE <b>12/14/16</b>
COMPANY <b>Unit Petroleum</b>			COUNTRY <b>USA</b>			STATE <b>Kansas</b>	COUNTY <b>Reno</b>
LEASE NAME <b>Stroberg 24-1HXL</b>		Well No.	EMPLOYEE NAME <b>Brett Armer</b>			CUSTOMER REP <b>Larry Miller</b>	
FIELD		SEC / TWP / RNG <b>24/25S/10W</b>			TICKET AMOUNT <b>#REF!</b>		
API/UWI # <b>15-155-21743-01-00</b>		JOB PURPOSE <b>Liner</b>			WELL TYPE <b>Oil &amp; Gas</b>		
	Time	Rate (BPM)	Volume (BBL)(GAL)	Press.(PSI)		Job Description / Remarks	
				CSG.	Tbg		
<b>12-14-16</b>	<b>0600</b>					<b>Arrive on location</b>	
	<b>0900</b>					<b>Rig up</b>	
	<b>1200</b>					<b>Safety meeting</b>	
	<b>1212</b>			<b>5000</b>		<b>Test lines</b>	
	<b>1213</b>	<b>3.0</b>	<b>106</b>	<b>1200</b>		<b>Pump ball down</b>	
	<b>1257</b>			<b>2000</b>		<b>Seat ball</b>	
	<b>1258</b>			<b>3200</b>		<b>Blow ball seat</b>	
	<b>1304</b>	<b>4.0</b>	<b>25.0</b>	<b>1000</b>		<b>Mud wash spacer</b>	
	<b>1311</b>	<b>4.5</b>	<b>94.0</b>	<b>400</b>		<b>Cement @ 13.6 (360sk) 94bbl</b>	
	<b>1338</b>	<b>2.0</b>	<b>6.0</b>			<b>Pump sugar water</b>	
	<b>1340</b>					<b>Shut down wash lines</b>	
	<b>1341</b>					<b>Drop plug</b>	
	<b>1342</b>	<b>2.0</b>	<b>14.0</b>			<b>Pump sugar water</b>	
	<b>1344</b>	<b>5.0</b>	<b>99.0</b>	<b>1175</b>		<b>H2O displacement w/biocide</b>	
	<b>1350</b>	<b>3.0</b>	<b>33.0</b>	<b>3000</b>		<b>Land 1st plug</b>	
	<b>1406</b>		<b>99.0</b>	<b>2200</b>		<b>Land 2nd plug</b>	
	<b>1407</b>			<b>Held</b>		<b>Check floats</b>	
	<b>1411</b>	<b>6.5</b>	<b>100.0</b>	<b>1200</b>		<b>Circulate dp</b>	
	<b>1432</b>			<b>1500</b>		<b>Test backside</b>	
	<b>1500</b>					<b>Rig down</b>	
	<b>1530</b>					<b>Leave location</b>	
						<b>SUPERVISOR SIGNITURE</b>	
<b>Bumped Plug</b>	<b>Final lift Psi</b>	<b>Floats Held</b>	<b>PSI ON CSG</b>	<b>CEMENT SURFACE</b>	<b>X</b>		
<b>YES</b>	<b>1175</b>	<b>YES</b>	<b>2200.0</b>				