



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1226797  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1226797

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  
 Flowing    Pumping    Gas Lift    Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Midwestern Exploration Company
Well Name	Mills-Gooch 2-7
Doc ID	1226797

All Electric Logs Run

Geological Log
Microlog
Porosity
Sonic
Induction

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Tops

Name	Top	Datum
Base Heebner Shale	4352 L	-1325
Toronto Lime	4360 L	-1333
Lansing Lime	4468 L	-1441
Kansas City Lime	4790 L	-1763
Marmaton Lime	5224 L	-2197
Cherokee Shale	5617 L	-2590
Lower Atoka Lime	5931 L	-2904
Morrow Shale	5970 L	-2943
Lower Morrow Lime	6315 L	-3288
Chester C Lime	6376 L	-3349
Chester B Lime	6439 L	-3412
Chester A Lime	6536 L	-3509
Chester A Sand	6592 L	-3565

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Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	30	20	65	40	Grout	40	
Intermediate Surface	17.25	13.375	48	773	A Con	360	
Intermediate Surface	17.25	13.375	48	773	Premium POZ	165	
Surface	12.25	8.625	24	1685	A CO n	310	3% CC .25# Flocele, 2% WCA
Surface	12.25	8.625	24	1685	Premium PLUS	150	2% CC, .25# Flocele
Production	7.875	5.5	15.5	6710	A Con and AA2	200	.25# FloCele



**BASIC**  
ENERGY SERVICES  
Liberal, Kansas

### Cement Report

Customer: <u>Midwestern</u>	Lease No.:	Date: <u>6-26-14</u>
Lease: <u>Mills Gooch</u>	Well #: <u>2-7</u>	Service Receipt: <u>05886</u>
Casing: <u>5 1/2" 15.5#</u> Depth: <u>6710'</u>	County: <u>Sevier</u>	State: <u>MS</u>
Job Type: <u>242 5 1/2" Production</u>	Formation:	Legal Description: <u>7-35-35</u>

Pipe Data		Perforating Data		Cement Data
Casing size: <u>5 1/2" 15.5#</u>	Tubing Size:	Shots/Ft		Lead: <u>25 sk</u>
Depth: <u>6710'</u>	Depth:	From:	To:	<u>A-Con</u>
Volume: <u>Disp- 159 bbl</u>	Volume:	From:	To:	Tail in: <u>175 sk</u>
Max Press: <u>1500 #</u>	Max Press:	From:	To:	
Well Connection: <u>TD-6712'</u>	Annulus Vol.:	From:	To:	<u>AA2</u>
Plug Depth: <u>SJ-35</u>	Packer Depth:	From:	To:	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
12:00					on loc-site assessment
12:15					spot trucking up
4:00					CSG on low break circ
4:15					Safety meeting - JSA
4:30					pressure test 2000 #
5:00	700		5	4	pump 5 bbl H <sub>2</sub> O spacer
5:03	200		12	4	pump 100 gal Superflush
5:07	200		5	4	pump 5 bbl H <sub>2</sub> O spacer
5:10	150		13	5	mix & pump 25 sk A-Con @ 11.4# 293' @ 3/sk
5:15	150		46.75	5	switch to 175 sk AA2 @ 14.8# 1.57' @ 3/sk
5:30					wash lines
5:32	100		0	6	drop plug, disp CSG
5:55	1000		150	3	slow rate
6:00	1500		159	0	land plug, float weld
			13		plug cut & mouse holes w/ 50 sk A-Con

Service Units	<u>34726</u>	<u>27462</u>	<u>14354-19578</u>		
Driver Names	<u>A Oliver</u>	<u>E McClure</u>	<u>D Becke</u>		

Bi Doukhey Customer Representative     
 J Bennett Station Manager     
 A Oliver Cementer



# Cement Report

Customer: <b>Midwestern Exploration</b>	Lease No.	Date: <b>6/15/14</b>
Lease: <b>Mills Gooch</b>	Well #: <b>2-7</b>	Service Receipt
Casing: <b>13 3/8</b>	Depth	County: <b>Stevens</b>
Job Type: <b>Surface</b>	Formation	State: <b>Ks</b>
Legal Description		

Pipe Data		Perforating Data		Cement Data
Casing size: <b>13 3/8</b>	Tubing Size	Shots/Ft		Lead <b>860 SK A-Co<sup>2</sup></b>
Depth: <b>748</b>	Depth	From	To	@ <b>11.4#</b>
Volume: <b>112.7</b>	Volume	From	To	<b>2.95</b> <b>18.10</b>
Max Press	Max Press	From	To	Tail in <b>165 SK RP.</b>
Well Connection: <b>Swage</b>	Annulus Vol.	From	To	@ <b>14.8#</b>
Plug Depth	Packer Depth	From	To	<b>1.34</b> <b>6.33</b>

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
06:00					on loc, sufficient R.U
06:53	20		10	2.5	Pump stop LOSS
07:00	40		0	5	start <del>mixing</del> mixing @ 11.4#
08:29	50		189	5	on tail @ 14.8#
09:24	0		39	5	Finished Mixing
09:24	0		0	5	Start Disp
09:49	60		100	1	Slow Rate
10:04	70		112	0	shut down
10:06	0				check flow back (None)
					shut in well
					Job Complete

Service Units	<b>78939</b>	<b>3922337726</b>	<b>3180837724</b>	<b>3302114264</b>
Driver Names	<b>C. B. Inz</b>	<del>3922337726</del>	<b>Gabe M.</b>	<b>Edgar</b>

**Billy** \_\_\_\_\_ Customer Representative  
**Gabe E.** \_\_\_\_\_ Station Manager  
**Jerry Bennett** \_\_\_\_\_ Station Manager  
**Chad Inz** \_\_\_\_\_ Cementer  
 Taylor Printing, Inc.



**BASIC**  
ENERGY SERVICES  
Liberal, Kansas

### Cement Report

Customer <i>Midwestern Exploration</i>		Lease No.		Date <i>6-17-14</i>	
Lease <i>Mills Gooch</i>		Well # <i>2-7</i>		Service Receipt	
Casing <i>8 5/8 24#</i> Depth <i>1686'</i>		County <i>Stevens</i>		State <i>KS</i>	
Job Type <i>2-42</i>		Formallon		Legal Description	
<b>Pipe Data</b>			<b>Perforating Data</b>		
Casing size <i>8 5/8 24#</i>		Tubing Size	<b>Shots/Ft</b>		<b>Cement Data</b>
Depth <i>1686'</i>		Depth	From	To	Lead <i>310 SX @ 11.4 PPG</i>
Volume <i>105 bbl</i>		Volume	From	To	<i>3Y-CC, 1/4# Polyflake,</i>
Max Press		Max Press	From	To	<i>2.1 WCA-1</i>
Well Connection		Annulus Vol.	From	To	<i>A-Con Bleed</i>
Plug Depth <i>1651'</i>		Packer Depth	From	To	Tail in <i>150 SX @ 14.8 PPG</i>
					<i>2.1 CC, 1/4# Polyflake</i>
					<i>Premium Plus Cement</i>
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>1230</i>					<i>On location - Rig up</i>
<i>1400</i>					<i>Safety Meeting</i>
<i>1442</i>	<i>2500</i>				<i>Pressure Test</i>
<i>1444</i>	<i>50</i>		<i>12</i>	<i>5</i>	<i>Pump Stopless</i>
<i>1448</i>	<i>100</i>		<i>163</i>	<i>5</i>	<i>Pump 310 SX @ 11.4 PPG</i>
<i>1512</i>	<i>100</i>		<i>36</i>	<i>5</i>	<i>Pump 150 SX @ 14.8 PPG</i>
<i>1520</i>					<i>Drop Plug</i>
<i>1524</i>	<i>50</i>		<i>85</i>	<i>2</i>	<i>Start Displacement</i>
<i>1540</i>	<i>200</i>		<i>95</i>	<i>1</i>	<i>Slow Rate</i>
<i>1549</i>	<i>300</i>		<i>105</i>	<i>1</i>	<i>Slow Rate</i>
<i>1555</i>	<i>800</i>				<i>Pump Plug</i>
<i>1600</i>	<i>0</i>				<i>Release - Pressure float held</i>
					<i>WOC - Cement did not 1" @ 100'</i>
<i>1810</i>					<i>Circulated To Surface</i>
<i>1820</i>	<i>50</i>		<i>18</i>	<i>1</i>	<i>One Inch Pump 75 SX @ 14.8 PPG</i>
					<i>Of Premium Plus Cement with</i>
					<i>2% Calcium Chloride</i>
Service Units <i>28940</i>		<i>38750</i>		<i>30463</i>	
		<i>19892</i>		<i>17566</i>	
Driver Names <i>Ruben</i>		<i>Carlos</i>		<i>Daniel</i>	
				<i>Ismael</i>	

*Billy*

Customer Representative

*Jerry Bennett*

Station Manager

*Ruben Martinez*

Cementer