



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1197619
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: _____

1197619

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No 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: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Midwestern Exploration Company
Well Name	Garman 2-18
Doc ID	1197619

Tops

Name	Top	Datum
Base Heebner Shale	4344	(-1314)
Toronoto Lime	4352	(-1322)
Lansing	4463	(-1433)
Kansas City	4780	(-1750)
Marmaton Lime	5213	(-2183)
Cherokee Shale	5616	(-2586)
Atoka Lime	5809	(-2779)
Lower Atoka Lime	5925	(-2895)
Morrow Shale	5964	(-2934)
Lower Morrow Lime	6316	(-3286)
Chester C Lime	6380	(-3350)
Chester B Lime	6440	(-3410)
Chester A Lime	6536	(-3506)
Chester A Sand	6598	(-3568)
Ste. Genevieve	6674	(-3644)
St. Louis	6735	(-3705)

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Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	6628-6634	Acid/750 Gal 7 1/2% NEFE	
6	6600-6618	Acid/2200 Gal 7 1/2% NEFE	
		Frac perfs 6600-6634/25660 Gal Gel, 1,137500	
		scf N2, 660000# 20/40 SN 1/2 6000# 16/30	
		resin sand	
4	After Cmt Sq 6600-6610	Acid 1250 Gal 7 1/2 NEFE	

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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	NA
Surface	12.25	8.625	24	1679	A Con	400	2% WCA-13%caCl,1/4# poly flake
Surface	12.25	8.625	24	1679	Prem Plus	300	2% CaCl, 1/4# Poly flake
Production	7.785	5.5	15.5	6735	A Con	75	2%CaCl 1/4# Poly Flake
Production	7.875	5.5	15.5	6735	AA 2	175	5% w-60, 10% NaCl .6% C-15 1/3# Defoamer 5# Gilsonite



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ENERGY SERVICES
Liberal, Kansas

SURFACE CASING

Cement Report

Customer	Midwestern Exploration		Lease No.			Date		
Lease	Garman		Well #	2-18		Service Receipt	4570	
Casing	8 5/8	Depth	County	Stevens		State	KS	
Job Type	2-42		Formation	Surface		Legal Description	S 18-35-1235	
Pipe Data			Perforating Data			Cement Data		
Casing size	8 5/8		Tubing Size			Shots/Ft	Lead Din 14.8	
Depth	37'		Depth	From	To	150 sks yield		
Volume	35.26		Volume	From	To	1-32 gal @ 6.31		
Max Press	500		Max Press	From	To	Tail in		
Well Connection			Annulus Vol.	From	To			
Plug Depth			Packer Depth	From	To			
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log			
3:30					O/N location Safety Meeting & Rig up			
3:54					Prime up Truck			
4:00	50		36	2.0	Pump 150 sks Cement			
4:20	0		/	/	Shut Down			
4:30			/	/	Wash up			
4:30			/	/	Wait to see Cement don't Fall back			
5:30			/	/	Rig down			
Service Units	39878	38117	19919	38111	37724			
Driver Names	JUAN	Hector		Evel				

Billy

Customer Representative

Jerry Bennett

Station Manager

JUAN Ortiz

Cementer



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Liberal, Kansas

SURFACE CASING

Cement Report

Customer	Midwestern exploration	Lease No.		Date	2-2-14
Lease	Garman	Well #	2-18	Service Receipt	
Casing	8518	Depth	1685	County	Stevens
Job Type	2-42	Formation		State	Ks
				Legal Description	Sec 18-35-R-35

Pipe Data		Perforating Data		Cement Data
Casing size	8518	Tubing Size		Lead yield 2.95
Depth	1642	Depth		4000/15 gal/dc 18.10
Volume	104.48	From	To	Den 11.4
Max Press	1500	From	To	Tail in yield 1.34
Well Connection	8518	From	To	1500 lbs gal/dc 6.33
Plug Depth		From	To	Den 14.8

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1:00					O.N location
1:30					Safety Meeting & rig up
6:45	1500				Prime up Ps; Test
6:50					Mix Fluid loss
6:52	50		12	1.5	Pump Fluid loss
6:58	50		210	4.0	Start Lead Cement
7:30	50		35	4.0	Start Tail Cement
7:37	50				Shut Down
7:37					Wash up
7:42					Drop Plug
7:42	50		1	3.5	Start Displacement
7:51	400		74	3.5	Circulated Cement
7:54	500		90	2.0	Slow down Rate
7:56	500		95	1.0	Slowdown Rate
8:03			105		Shut Down Plug landed
8:05					Released Back Insert Held

Service Units	38117	19919	14355	37725	39878	27808/19578
Driver Names	Hector		Ever		Juan	

Billy
Customer Representative

Serry Bennett
Station Manager

JUAN Ortiz
Cementer



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ENERGY SERVICES
Liberal, Kansas

PRODUCTION CASING

Cement Report

Customer <i>Midwestern Exploration</i>	Lease No.	Date <i>2-15-14</i>
Lease <i>Gorman</i>	Well # <i>2-18</i>	Service Receipt <i>4919</i>
Casing <i>5 1/2</i>	Depth <i>6737</i>	County <i>Stevens</i> State <i>KS</i>
Job Type <i>242 Long String</i>	Formation	Legal Description <i>18-35-35</i>

Pipe Data		Perforating Data		Cement Data
Casing size <i>5 1/2</i>	Tubing Size	Shots/Ft		Lead <i>755k A-con</i>
Depth <i>6737</i>	Depth <i>5541</i>	From	To	<i>2.93547-5k</i>
Volume <i>15965</i>	Volume	From	To	<i>18.060-5k 11.4#</i>
Max Press <i>2000</i>	Max Press	From	To	Tail in <i>755k AAR</i>
Well Connection <i>5 1/2</i>	Annulus Vol.	From	To	<i>1.51 FPS-5k</i>
Plug Depth <i>6695</i>	Packer Depth	From	To	<i>6.6460-5k 14.8#</i>

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
400					Arrive On location
600					Safety Meeting - Rig Up
400					Rig Running Casing
915					Circulate w/ Rig
945					Hook up to BES
950	2000		1	1	Pressure Test
955	350		5	5	Pump Water spacer
958	325		12	5	Pump Super Flush
1003	300		5	5	Pump Water spacer
1005	275		13	5	Pump Saver @ 11.4
1010	250		47	5.5	Pump cont @ 14.8#
1025					Drop Rig - Wash Up
1030	400		150	9.0	Displace
1055	800		10	2.0	Slow Down
1100	1300		1	1	Land Plug - Flood Held
1200					Plug Rat + Mouse Holes
1245					Job Complete
					Thanks For Using BASIC Energy Services

Service Units	<i>78958</i>	<i>78997-19520</i>	<i>19827-19883</i>		
Driver Names	<i>Frey</i>	<i>GAM</i>	<i>Edget</i>		

Billy
Customer Representative
Tony Beth
Station Manager
Frey Chuck
Cementer
Taylor Printing, Inc.

Customer <i>Midwest Exploration</i>	Lease No.	Date <i>3-7-14</i>
Lease <i>Garman</i>	Well # <i>2-18</i>	
Field Order # <i>4931</i>	Station <i>1717</i>	Casing <i>5 1/2</i>
Type Job <i>2 B Z</i>	Formation <i>Chester Sandstone</i>	Depth <i>6634</i>
	County <i>Stevens</i>	State <i>KS</i>
	Legal Description <i>Sec 18-35S-55W</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>5 1/2</i>	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	<i>1850</i>
Depth <i>6634</i>	Depth	From	To	Pre Pad	Max		5 Min.	<i>6620</i>
Volume <i>157.88</i>	Volume	From	To	Bad <i>33000 gal 70# Foam</i>	Min		10 Min.	<i>1567</i>
Max Press <i>3500</i>	Max Press	From	To	Frac <i>33000 gal 70# Foam</i>	Avg		15 Min.	<i>1533</i>
Well Connection <i>Stringer</i>	Annulus Vol.	From	To		HHP Used		Annulus Pressure	<i>0</i>
Plug Depth	Packer Depth	From	To	Flush <i>4600 gal 30# Foam</i>	Gas Volume		Total Load	<i>611 bbls</i>

Customer Representative <i>Billy</i>	Station Manager <i>Jerry Bennett</i>	Treater <i>Jortiz</i>
Service Units <i>39878</i>	<i>20394</i>	<i>12945</i>
Driver Names <i>Juan Gabriel</i>	<i>Ever</i>	<i>Edgar Mario</i>
		<i>Hector</i>
		<i>Ricardo</i>

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>8:00</i>					<i>ON location</i>
<i>8:30</i>					<i>Safety Meeting & Rig up</i>
<i>12:10</i>	<i>3500</i>		<i>1</i>	<i>15.0</i>	<i>Primeup Psi Test</i>
<i>12:13</i>	<i>50</i>		<i>1</i>	<i>15.0</i>	<i>Start 33,000 gal Pad</i>
<i>12:18</i>	<i>1800</i>		<i>29</i>	<i>7.0</i>	<i>Loaded</i>
<i>12:20</i>	<i>2450</i>		<i>48</i>	<i>30</i>	<i>inc Rate 35 bblm</i>
<i>12:27</i>	<i>2968</i>		<i>155</i>	<i>35</i>	<i>established Rate 30 bpm</i>
<i>12:40</i>	<i>3158</i>		<i>236</i>	<i>30</i>	<i>Start 7,000 gal 1# 20/40</i>
<i>12:45</i>	<i>3138</i>		<i>284</i>	<i>30</i>	<i>1# 20/40 O/B</i>
<i>12:45</i>	<i>3073</i>		<i>288</i>	<i>30</i>	<i>Start 13,000 gal 2# 20/40</i>
<i>12:49</i>	<i>3055</i>		<i>336</i>	<i>30</i>	<i>2# 20/40 O/B</i>
<i>12:54</i>	<i>2990</i>		<i>389</i>	<i>30</i>	<i>Start 11,000 gal 3# 20/40</i>
<i>12:58</i>	<i>2898</i>		<i>437</i>	<i>30</i>	<i>3# 20/40 O/B</i>
<i>1:00</i>	<i>2849</i>		<i>478</i>	<i>30</i>	<i>Start 2,000 gal 3# 16/30 Resin</i>
<i>1:03</i>	<i>2700</i>		<i>501</i>	<i>30</i>	<i>Start Flush</i>
<i>1:07</i>	<i>2418</i>		<i>571</i>	<i>30</i>	<i>16/30 Resin 3# O/B</i>
<i>1:09</i>	<i>2100</i>		<i>611</i>		<i>Shut down</i>
<i>1:10</i>	<i>1850</i>				<i>ISIP</i>
<i>1:15</i>	<i>1620</i>				<i>5</i>
<i>1:20</i>	<i>1567</i>				<i>10</i>
<i>1:25</i>	<i>1533</i>				<i>15</i>



BASIC
ENERGY SERVICES
Liberal, Kansas

CMT SQUEEZE 6600-6634

Cement Report

Customer	Midwestern Exploration	Lease No.		Date	3-19-14
Lease	Gorman	Well #	2-18	Service Receipt	05681
Casing	5 1/2" 15.5" Depth 6300'	County	Stewens	State	KS
Job Type	241-Sqz	Formation		Legal Description	18-35-35

Pipe Data		Perforating Data		Cement Data			
Casing size	5 1/2" 15.5" #	Tubing Size	2 3/8"	Lead			
Depth		Depth	6460'	From	6600	To	6634
Volume		Volume	25 bbl	From		To	
Max Press		Max Press	1500#	From		To	
Well Connection		Annulus Vol.	118 bbl	From		To	
Plug Depth		Packer Depth	6460'	From		To	
							Tail in 150 sk
							Premium/Common

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
7:00					on loc-site assessment
7:15					spot trucks - rig up
7:45					safety meeting - JSA
8:00					pressure test 2000#
8:15	500		38	2	load annulus - 38 bbl
8:30		500	20	2.5	establish inj. rate - 12 bbl load
9:00		200	28	2	mix & pump 150 sk premium/ common @ 16.4# - 1.06 A-3/sk
9:30					wash lines
10:00	1100		0	1	disp tubing
10:00		1500	15	.25	sqz to 1500# - check flow back
10:30	600		40	2	rev out tubing clean
11:00					pull 10 stas, shut M w/ 1500# job complete

Service Units	34726	27462	19827-19883		
Driver Names	A Owen	E Medina	S Clever		

B. Padgett
Customer Representative
T. Bennett
Station Manager
A. Overa
Cementer