Confidentiality Requested:

CORRECTION #1

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION 1229735

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 #	API No. 15
Name:	Spot Description:
Address 1:	
Address 2:	Feet from Dorth / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
	Elevation: Ground: Kelly Bushing:
Gas D&A ENHR SIGW	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used? Yes No
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Drilling Fluid Management Plan
Plug Back Conv. to GSW Conv. to Producer	(Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:    Dual Completion Permit #:	Dewatering method used:
Dual Completion       Permit #:         SWD       Permit #:	Leastion of fluid dispaced if housed offsites
ENHR       Permit #:	Location of fluid disposal if hauled offsite:
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East West
Recompletion Date Recompletion Date Recompletion Date	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:

## CORRECTION #1

1229735

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 Taker (Attach Additional		Yes No	L	Log Formation (Top), Depth and Datum Sam			Sample
Samples Sent to Geo	,	Yes No	Nam	e		Тор	Datum
Cores Taken Electric Log Run	0	☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
		CASING Report all strings set-c		ew Used ermediate, product	ion, 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 / SQU	JEEZE RECORD			
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used		Type and Pe	ercent Additives	
Protect Casing Plug Back TD Plug Off Zone							
Does the volume of the t		n this well? aulic fracturing treatment ex submitted to the chemical o		│ Yes [ ? │ Yes [ │ Yes [	No (If No, skip	o questions 2 an o question 3) out Page Three o	
Shots Per Foot		ON RECORD - Bridge Plug ootage of Each Interval Perf			cture, Shot, Cement mount and Kind of Mat		d Depth

Water Oil Bbls. Mcf Bbls. Gas-Oil Ratio Gravity Per 24 Hours **DISPOSITION OF GAS:** METHOD OF COMPLETION: PRODUCTION INTERVAL: Open Hole Perf. Dually Comp. Commingled Vented Sold Used on Lease (Submit ACO-5) (Submit ACO-4) (If vented, Submit ACO-18.) Other (Specify)

Packer At:

Pumping

Producing Method:

Flowing

Gas

Liner Run:

Gas Lift

No

Yes

Other (Explain)

TUBING RECORD:

Estimated Production

Size:

Date of First, Resumed Production, SWD or ENHR.

Set At:

Form	ACO1 - Well Completion			
Operator	F. G. Holl Company L.L.C.			
Well Name	RUDIGER 1-7			
Doc ID	1229735			

All Electric Logs Run

CDL/CN/
DIL
BHCS
Microresistivity
Fracfinder
CPI

Form	ACO1 - Well Completion			
Operator	F. G. Holl Company L.L.C.			
Well Name	RUDIGER 1-7			
Doc ID	1229735			

# Tops

Name	Тор	Datum
Anhydrite	861	+1058
Herrington	1782	+137
Winfield	1834	+85
Towanda	1903	+16
Fort Riley	1946	-27
B/Florence	2048	-129
Kinney LS	2066	-147
Wrefold	2098	-179
Council Grove	2117	-198
Crouse	2157	-238
Neva	2293	-374
Red Eagle	2354	-435
Root Shale	2582	-663
Stotler	2650	-731
Tarkio	2710	-791
Howard	2849	-930
Severy Shale	2925	-1006
Topeka	2940	-1021
Oread	3134	-1215
Heebner	3189	-1270
Toronto	3206	-1287
Douglas Shale	3220	-1301
Brown Lime	3282	-1363
LKC	3291	-1372

Form	ACO1 - Well Completion			
Operator	F. G. Holl Company L.L.C.			
Well Name	RUDIGER 1-7			
Doc ID	1229735			

Tops

Name	Тор	Datum
Drum	3418	-1499
ВКС	3511	-1592
Arbuckle	3610	-1691

Form	ACO1 - Well Completion			
Operator	F. G. Holl Company L.L.C.			
Well Name	RUDIGER 1-7			
Doc ID	1229735			

## Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.25	8.6250	28	880	Common & A-Con	400	
Production	7.8750	5.50	14	3748	AA-2 & Scavenger	200	

## Summary of Changes

Lease Name and Number: RUDIGER 1-7 API/Permit #: 15-009-25951-00-00 Doc ID: 1229735 Correction Number: 1 Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	06/30/2014	11/12/2014
Completion Or Recompletion Date	03/11/2014	10/27/2014
Disposition Of Gas - Vented	No	Yes
Field Name		Clarence
Liner Run?		No
Method Of Completion - Perf	No	Yes
Perf_Material_1		250 gal 10% acetic acid
Perf_Material_2		150 gal 10% Mod 202 acid
Perf_Record_1		3609' - 3622'
Perf_Shots_1		4

# Summary of changes for correction 1 continued

Field Name	Previous Value	New Value
Production Interval #1		3609' - 3622'
Production Interval #2		Arbuckle
Purchaser's Name	Not yet completed	
Save Link	//kcc/detail/operatorE ditDetail.cfm?docID=11 94025	//kcc/detail/operatorE ditDetail.cfm?docID=12 29735 3605
Tubing Record - Set At		
Tubing Size		2.3750



Confidentiality Requested:

CONFIDENTIAL

Yes No

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION 1194025

Form ACO-1 August 2013 Form must be Typed Form must be Signed All blanks must be Filled

# WELL COMPLETION FORM

Spot Description:
Sec TwpS. R East 🗌 West
Feet from Dorth / South Line of Section
Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
GPS Location: Lat:, Long:
(e.g. xx.xxxx) (e.gxxx.xxxx)
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 bauled offsite:
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License #:
Quarter Sec TwpS. 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:		