

Confidential

Confidentiality Requested:

☒ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form AGO-1

July 2014

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Conf until 1-13-17
Granted exception

OPERATOR: License # 34697

Name: Wilson County Holdings

Address 1: 1135 N 15th ST

Address 2:

City: Fredonia State: KS Zip: 66736

Contact Person: Forrest Sutherland

Phone: (620) 330-7285

CONTRACTOR: License # 99975

Name: Frontier-Kemper Const.

Wellsite Geologist: Curtis Breckon

Purchaser:

Designate Type of Completion:

- ☒ New Well ☐ Re-Entry ☐ Workover
- ☐ Oil ☐ WSW ☐ SWD ☐ SLOW
☐ Gas ☐ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ CM (Coal Bed Methane)
☐ Cathodic ☒ Other (Core, Expl., etc.): 13-cons-143-cexx

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 #:

3/28/2013

11/1/2014

11/19/2014

Spud Date or
Recompletion Date

Date Reached TD

Completion Date or
Recompletion Date

API No. 15 - 205-28108-00-00

Spot Description:

SE NW NE NE Sec. 12 Twp. 29 S. R. 14 ☒ East ☐ West

430 Feet from ☒ North / ☐ South Line of Section

720 Feet from ☒ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:

☒ NE ☐ NW ☐ SE ☐ SW

GPS Location: Lat: 37.5432479 Long: -95.8172308

(e.g. xx.xxxxx)

(e.g. -xxx.xxxxx)

Datum: ☐ NAD27 ☒ NAD83 ☐ WGS84

County: Wilson

Lease Name: Wilson County Holdings Well #: WCH-52

Field Name: Wildcat

Producing Formation: Bartlesville

Elevation: Ground: 895 Kelly Bushing: 0

Total Vertical Depth: 1169 Plug Back Total Depth:

Amount of Surface Pipe Set and Cemented at: 40' Feet

Multiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set: Feet

If Alternate II completion, cement circulated from: 0

feet depth to: 1169 w/ 140,557 sq cm.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 31000 ppm Fluid volume: 10,866 bbls

Dewatering method used: balled out

Location of fluid disposal if hauled offsite:

Operator Name: Wilson County Holdings

Lease Name: Wilson County Holdings License #: 34697

Quarter SW Sec. 6 Twp. 29 S. R. 15 ☒ East ☐ West

County: Wilson Permit #: D-31562

INSTRUCTIONS: The original form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. If confidentiality is requested and approved, side two of this form will be held confidential for a period of 2 years. Rules 82-3-130, 82-3-106 and 82-3-107 apply. Drill Stem Test, Cement Tickets and Geological Well Report must be attached.

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.

Signature:

Title: Drilling Supervisor

Date:

1-13-15

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Date:

☐ Confidential Release Date: 1-13-17

☐ Wireline Log Received

☐ Geologist Report Received

☐ UIC Distribution

ALT ☐ I ☒ II ☐ III

Approved by: NJ Date: 1/29/15

Operator Name: Wilson County Holdings Lease Name: Wilson County Holdings Well #: WCH-52
Sec. 12 Twp. 29 S. R. 14 ☐ East ☐ West County: Wilson

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 (Attach Additional Sheets)	☐ Yes ☒ No	☐ Log	Formation (Top), Depth and Datum	☒ Sample
Samples Sent to Geological Survey	☐ Yes ☒ No	Name	Top	Datum
Cores Taken	☒ Yes ☐ No	Bartlesville	1052'	NAD83
Electric Log Run	☐ Yes ☒ No	Mississippi	1154'	
List All E. Logs Run:				

CASING RECORD ☐ New ☐ 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
Surface	18"	16"	8011	40'	Portland	157	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate				
☐ Protect Casing				
☐ Plug Back TD	40-1169	Portland	140,400	
☒ 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 (Amount and Kind of Material Used)		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

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dualy Comp. ☐ Commingled <i>(Submit ACO-5)</i> ☐ Other: <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Wilson County Holdings LLC • 1135 15th Street, Fredonia, KS 66736 • Ph: 620-607-0061 • F: 620-378-2447

Fredonia UGD Construction Facts:

Total loads of material in and out=**14,070**
Total yards of spoils excavated=**27,967 yards**
How many trips to remove muck=**8298 Buckets dumped**
Total rounds of blasting=**269**
Total pounds of TNT=**66,750#**
Total yards of concrete=**5200**
LF of steel in shaft and UGD= **96,520 LF of rebar**
Total man hours combined with FK/LS/and subs=**376,000**
Total MSHA inspections to date= **18* with one citation**
Turnover rate vs man count=**1.56%**
How much water was bailed out=**4,656,400 Gals**
LF of grout holes drilled=**32,230 LF**
Grout used in pay zone=**86,998 #'s**

23 separate contractors and sub-contractors
At the end of the construction process there had been 287
individuals that worked on this project.

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O'Brien Rock Co. Inc
Sales by Item Detail
April 1, 2014 through January 12, 2015

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Accrual Basis

O'Brien Rock Co. Inc

Sales by Item Detail

December 1, 2012 through January 12, 2015

Type	Date	Num	Memo	Name	Qty	Sa
Other Charges						
32 4000 PSI (4000 PSI Concrete Mix)						
Invoice	05/23/2013	48231	4000 PSI Co...	Frontier Kemper Co...	8.75	
Invoice	04/15/2014	50757	4000 PSI Co...	Frontier Kemper Co...	1C	
Invoice	04/15/2014	50757	4000 PSI Co...	Frontier Kemper Co...	1C	
Invoice	04/15/2014	50757	4000 PSI Co...	Frontier Kemper Co...	1C	
Invoice	04/15/2014	50757	4000 PSI Co...	Frontier Kemper Co...	1C	
Invoice	04/15/2014	50757	4000 PSI Co...	Frontier Kemper Co...	1C	
Invoice	04/15/2014	50757	4000 PSI Co...	Frontier Kemper Co...	1C	
Invoice	04/15/2014	50757	4000 PSI Co...	Frontier Kemper Co...	1C	
Invoice	04/15/2014	50757	4000 PSI Co...	Frontier Kemper Co...	1C	
Invoice	04/15/2014	50757	4000 PSI Co...	Frontier Kemper Co...	10.5	
Invoice	04/15/2014	50757	4000 PSI Co...	Frontier Kemper Co...	1C	
Invoice	04/15/2014	50757	4000 PSI Co...	Frontier Kemper Co...	1C	
Invoice	04/15/2014	50757	4000 PSI Co...	Frontier Kemper Co...	1C	
Invoice	04/15/2014	50757	4000 PSI Co...	Frontier Kemper Co...	1C	
Invoice	04/15/2014	50757	4000 PSI Co...	Frontier Kemper Co...	1C	
Invoice	04/15/2014	50757	4000 PSI Co...	Frontier Kemper Co...	9.5	
Invoice	04/15/2014	50757	4000 PSI Co...	Frontier Kemper Co...	3	
Invoice	04/28/2014	50913	4000 PSI Co...	Frontier Kemper Co...	6.5	
Invoice	04/28/2014	50913	4000 PSI Co...	Frontier Kemper Co...	6.5	
Invoice	04/28/2014	50913	4000 PSI Co...	Frontier Kemper Co...	1C	
Invoice	04/28/2014	50913	4000 PSI Co...	Frontier Kemper Co...	1C	
Invoice	04/28/2014	50913	4000 PSI Co...	Frontier Kemper Co...	1C	
Invoice	04/28/2014	50913	4000 PSI Co...	Frontier Kemper Co...	1C	
Invoice	04/28/2014	50913	4000 PSI Co...	Frontier Kemper Co...	1C	
Invoice	04/28/2014	50913	4000 PSI Co...	Frontier Kemper Co...	1C	
Invoice	04/28/2014	50913	4000 PSI Co...	Frontier Kemper Co...	1C	
Invoice	04/28/2014	50913	4000 PSI Co...	Frontier Kemper Co...	1C	
Invoice	04/28/2014	50913	4000 PSI Co...	Frontier Kemper Co...	1C	
Invoice	04/28/2014	50913	4000 PSI Co...	Frontier Kemper Co...	1C	
Invoice	04/28/2014	50913	4000 PSI Co...	Frontier Kemper Co...	1C	
Invoice	04/28/2014	50912	4000 PSI Co...	Frontier Kemper Co...	1C	
Invoice	04/28/2014	50912	4000 PSI Co...	Frontier Kemper Co...	1C	
Invoice	04/28/2014	50912	4000 PSI Co...	Frontier Kemper Co...	1C	
Invoice	04/28/2014	50912	4000 PSI Co...	Frontier Kemper Co...	1C	
Invoice	04/28/2014	50912	4000 PSI Co...	Frontier Kemper Co...	1C	
Invoice	04/28/2014	50912	4000 PSI Co...	Frontier Kemper Co...	1C	
Invoice	04/28/2014	50912	4000 PSI Co...	Frontier Kemper Co...	7.5	
Invoice	04/28/2014	50912	4000 PSI Co...	Frontier Kemper Co...	7.5	
Invoice	04/28/2014	50912	4000 PSI Co...	Frontier Kemper Co...	1C	
Invoice	04/28/2014	50912	4000 PSI Co...	Frontier Kemper Co...	1C	
Invoice	04/28/2014	50912	4000 PSI Co...	Frontier Kemper Co...	4	
Invoice	05/12/2014	51001	4000 PSI Co...	Frontier Kemper Co...	9.25	
Invoice	05/12/2014	51001	4000 PSI Co...	Frontier Kemper Co...	9.25	
Invoice	05/12/2014	51001	4000 PSI Co...	Frontier Kemper Co...	9.25	
Invoice	05/12/2014	51001	4000 PSI Co...	Frontier Kemper Co...	9.25	

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O'Brien Rock Co. Inc
Sales by Item Detail
December 1, 2012 through January 12, 2015

Type	Date	Num	Memo	Name	Qty	Sa
Invoice	05/12/2014	51001	4000 PSI Co...	Frontier Kemper Co...	9.25	
Invoice	05/12/2014	51001	4000 PSI Co...	Frontier Kemper Co...	10	
Invoice	05/12/2014	51001	4000 PSI Co...	Frontier Kemper Co...	10	
Invoice	05/12/2014	51001	4000 PSI Co...	Frontier Kemper Co...	10	
Invoice	05/12/2014	51001	4000 PSI Co...	Frontier Kemper Co...	10	
Invoice	05/12/2014	51001	4000 PSI Co...	Frontier Kemper Co...	4	
Invoice	05/12/2014	51001	4000 PSI Co...	Frontier Kemper Co...	6	
Invoice	05/12/2014	51001	4000 PSI Co...	Frontier Kemper Co...	6	
Invoice	05/12/2014	51001	4000 PSI Co...	Frontier Kemper Co...	10	
Invoice	05/12/2014	51001	4000 PSI Co...	Frontier Kemper Co...	10	
Invoice	05/12/2014	51001	4000 PSI Co...	Frontier Kemper Co...	10	
Invoice	05/12/2014	51001	4000 PSI Co...	Frontier Kemper Co...	10	
Invoice	05/12/2014	51001	4000 PSI Co...	Frontier Kemper Co...	10	
Invoice	05/12/2014	51001	4000 PSI Co...	Frontier Kemper Co...	10	
Invoice	05/12/2014	51001	4000 PSI Co...	Frontier Kemper Co...	10	
Invoice	05/12/2014	51001	4000 PSI Co...	Frontier Kemper Co...	7	
Invoice	05/19/2014	51105	4000 PSI Co...	Frontier Kemper Co...	7	
Invoice	05/19/2014	51105	4000 PSI Co...	Frontier Kemper Co...	7	
Invoice	08/14/2014	51850	4000 PSI Co...	Frontier Kemper Co...	10	
Invoice	08/14/2014	51850	4000 PSI Co...	Frontier Kemper Co...	10	
Invoice	09/29/2014	52183	4000 PSI Co...	Frontier Kemper Co...	8	
Invoice	09/29/2014	52163	4000 PSI Co...	Frontier Kemper Co...	11	
Invoice	09/29/2014	52163	4000 PSI Co...	Frontier Kemper Co...	6	
Invoice	09/29/2014	52163	4000 PSI Co...	Frontier Kemper Co...	8	
Invoice	10/29/2014	52465	4000 PSI Co...	Frontier Kemper Co...	3	
Invoice	10/29/2014	52465	4000 PSI Co...	Frontier Kemper Co...	8	
Invoice	10/29/2014	52465	4000 PSI Co...	Frontier Kemper Co...	1	
Total 32 4000 PSI (4000 PSI Concrete Mix)					672	
Total Other Charges					672	
TOTAL					672	

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December 1, 2012 through January 12, 2015

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O'Brien Rock Co. Inc

Sales by Item Detail

December 1, 2012 through January 12, 2015

Type	Date	Num	Memo	Name	Qty	Sal
Invoice	05/23/2013	48231	3000 PSI Co...	Frontier Kemper Co...	10	
Invoice	05/23/2013	48231	3000 PSI Co...	Frontier Kemper Co...	8.75	
Invoice	05/23/2013	48231	3000 PSI Co...	Frontier Kemper Co...	8.75	
Invoice	05/23/2013	48231	3000 PSI Co...	Frontier Kemper Co...	8.75	
Invoice	05/29/2013	48344	3000 PSI Co...	Frontier Kemper Co...	10	
Invoice	05/29/2013	48344	3000 PSI Co...	Frontier Kemper Co...	10	
Invoice	05/29/2013	48344	3000 PSI Co...	Frontier Kemper Co...	10	
Invoice	05/29/2013	48344	3000 PSI Co...	Frontier Kemper Co...	10	
Invoice	05/29/2013	48344	3000 PSI Co...	Frontier Kemper Co...	10	
Invoice	05/29/2013	48344	3000 PSI Co...	Frontier Kemper Co...	10	
Invoice	06/05/2013	48351	3000 PSI Co...	Frontier Kemper Co...	10	
Invoice	06/05/2013	48351	3000 PSI Co...	Frontier Kemper Co...	10	
Invoice	06/05/2013	48351	3000 PSI Co...	Frontier Kemper Co...	10	
Invoice	06/05/2013	48351	3000 PSI Co...	Frontier Kemper Co...	10	
Invoice	06/05/2013	48351	3000 PSI Co...	Frontier Kemper Co...	10	
Invoice	06/05/2013	48351	3000 PSI Co...	Frontier Kemper Co...	10	
Invoice	06/05/2013	48351	3000 PSI Co...	Frontier Kemper Co...	10	
Invoice	06/05/2013	48351	3000 PSI Co...	Frontier Kemper Co...	10	
Invoice	06/05/2013	48351	3000 PSI Co...	Frontier Kemper Co...	10	
Total 30 3000 PSI (3000 PSI Concrete Mix)					623.25	
Total Other Charges					623.25	
TOTAL					623.25	

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December 1, 2012 through January 12, 2015

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December 1, 2012 through January 12, 2015

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December 1, 2012 through January 12, 2015

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December 1, 2012 through January 12, 2015

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Sales by Item Detail

December 1, 2012 through January 12, 2015

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O'Brien Rock Co. Inc.

Sales by Item Detail

December 1, 2012 through January 12, 2015

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December 1, 2012 through January 12, 2015

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December 1, 2012 through January 12, 2015

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December 1, 2012 through January 12, 2015

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O'Brien Rock Co. Inc

Sales by Item Detail

December 1, 2012 through January 12, 2015

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Accrual Basis

O'Brien Rock Co. Inc
Sales by Item Detail

December 1, 2012 through January 12, 2015

Type	Date	Num	Memo	Name	Qty	Sale
Invoice	09/05/2014	52072	5000 PSI Co...	Frontier Kemper Co...	10	
Invoice	09/05/2014	52072	5000 PSI Co...	Frontier Kemper Co...	10	
Invoice	09/05/2014	52072	5000 PSI Co...	Frontier Kemper Co...	10	
Invoice	09/05/2014	52072	5000 PSI Co...	Frontier Kemper Co...	10	
Invoice	09/05/2014	52072	5000 PSI Co...	Frontier Kemper Co...	10	
Invoice	09/05/2014	52072	5000 PSI Co...	Frontier Kemper Co...	10	
Invoice	09/05/2014	52072	5000 PSI Co...	Frontier Kemper Co...	10	
Invoice	09/05/2014	52072	5000 PSI Co...	Frontier Kemper Co...	10	
Invoice	09/05/2014	52072	5000 PSI Co...	Frontier Kemper Co...	10	
Invoice	09/05/2014	52072	5000 PSI Co...	Frontier Kemper Co...	10	
Invoice	09/05/2014	52072	5000 PSI Co...	Frontier Kemper Co...	10	
Invoice	09/05/2014	52072	5000 PSI Co...	Frontier Kemper Co...	10	
Invoice	09/05/2014	52072	5000 PSI Co...	Frontier Kemper Co...	10	
Invoice	09/19/2014	52185	5000 PSI Co...	Frontier Kemper Co...	10	
Invoice	09/19/2014	52185	5000 PSI Co...	Frontier Kemper Co...	10	
Invoice	09/19/2014	52185	5000 PSI Co...	Frontier Kemper Co...	5	
Invoice	09/19/2014	52185	5000 PSI Co...	Frontier Kemper Co...	8.5	
Invoice	09/19/2014	52185	5000 PSI Co...	Frontier Kemper Co...	8.5	
Invoice	09/19/2014	52185	5000 PSI Co...	Frontier Kemper Co...	10	
Invoice	09/19/2014	52185	5000 PSI Co...	Frontier Kemper Co...	10	
Invoice	09/19/2014	52185	5000 PSI Co...	Frontier Kemper Co...	10	
Invoice	09/19/2014	52185	5000 PSI Co...	Frontier Kemper Co...	10	
Invoice	09/19/2014	52185	5000 PSI Co...	Frontier Kemper Co...	10	
Invoice	09/19/2014	52185	5000 PSI Co...	Frontier Kemper Co...	10	
Invoice	09/19/2014	52185	5000 PSI Co...	Frontier Kemper Co...	10	
Invoice	09/19/2014	52185	5000 PSI Co...	Frontier Kemper Co...	10	
Invoice	09/19/2014	52185	5000 PSI Co...	Frontier Kemper Co...	10	
Invoice	09/19/2014	52185	5000 PSI Co...	Frontier Kemper Co...	10	
Invoice	09/19/2014	52185	5000 PSI Co...	Frontier Kemper Co...	10	
Invoice	09/19/2014	52185	5000 PSI Co...	Frontier Kemper Co...	10	
Invoice	09/19/2014	52185	5000 PSI Co...	Frontier Kemper Co...	10	
Invoice	09/19/2014	52185	5000 PSI Co...	Frontier Kemper Co...	5	
Invoice	10/08/2014	52225	5000 PSI Co...	Frontier Kemper Co...	9	
Invoice	10/08/2014	52225	5000 PSI Co...	Frontier Kemper Co...	9	
Invoice	10/29/2014	52465	5000 PSI Co...	Frontier Kemper Co...	5	
Total 34 5000 PSI (5000 PSI Concrete Mix)					5,662	
Total Other Charges					5,662	
TOTAL					5,662	

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