CORRECTION #1

Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1202982

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 # 34192
Name: SandRidge Exploration and Production LLC
Address 1: 123 ROBERT S. KERR AVE
Address 2:
City: OKLAHOMA CITY State: OK Zip: 73102 + 6406
Contact Person: Chelsey Green
Phone: (405) 429-5500
CONTRACTOR: License # 34127
Name: Tomcat Drilling LLC
Wellsite Geologist: Trey Boardman
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.)*: Stratigraphic Test

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 #:

1/9/2014	2/2/2014	2/4/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-007-24120-00-00
Spot Description:
SW SW SE SE Sec. 1 Twp. 31 S. R. 14 ☐ East ☑ West
200 Feet from ☐ North / ☑ South Line of Section
1056 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Barber
Lease Name: Alexander 3114 Well #: 1-1
Field Name:
Producing Formation: none
Elevation: Ground: 1670 Kelly Bushing: 1685
Total Vertical Depth: 4782 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 1052 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: 13000 ppm Fluid volume: 420 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: SandRidge Expl. and Prod., LLC
Lease Name: Young 3406 License #: 34192
Quarter NW Sec. 27 Twp. 34 S. R. 6 ☐ East ☑ West
County: Harper Permit #: 15-077-22010-01-00

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: 05/02/2014
☑ **Confidential Release Date:** 05/01/2016
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 05/05/2014

CORRECTION #1
Page Two

[redacted]

1202982

Operator Name: SandRidge Exploration and Production LLC Lease Name: Alexander 3114 Well #: 1-1

Sec. 1 Twp. 31 S. R. 14 ☐ East ☑ West County: Barber

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 ☐ Yes ☑ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:
Attached

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name: Attached Top: Attached Datum: Attached

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
Conductor	30	20	75	60	A	5	
Surface	12.25	9.625	36	1052	Prem. Plus/ C	460	6% gel, 2% CaCl, 0.25 pps cello-flake, 0.

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ 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
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)* _____

PRODUCTION INTERVAL:
_____
_____

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Alexander 3114 1-1
Doc ID	1202982

All Electric Logs Run

MIcro
Resistivity
Porosity
MRIL

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Alexander 3114 1-1
Doc ID	1202982

Tops

Name	Top	Datum
Chase	1934	
Base Heebner	3634	
Lansing	3796	
Marmaton	4233	
Mississippi	4316	
Kinderhook	4330	
Maquoketa	4387	
Viola	4426	
Simpson	4518	
Arbuckle	4607	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Alexander 3114 1-1
Doc ID	1202982

Casing

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Conductor	30	20	75	60	A	5	
Surface	12.25	9.625	36	1052	Prem. Plus/ C	460	6% gel, 2% CaCl, 0.25 pps cello-flake, 0.5% C-41P

Summary of Changes

Lease Name and Number: Alexander 3114 1-1

API/Permit #: 15-007-24120-00-00

Doc ID: 1202982

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	05/02/2014	05/05/2014
Fluid Mngmt - Chloride Content	12000	13000
Save Link	../../kcc/detail/operatorEditDetail.cfm?docID=1195182	../../kcc/detail/operatorEditDetail.cfm?docID=1202982

Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1195182

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

CONFIDENTIAL

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WELL HISTORY - DESCRIPTION OF WELL & LEASE

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Address 2:
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Phone: (405) 429-5500
CONTRACTOR: License # 34127
Name: Tomcat Drilling LLC
Wellsite Geologist: Trey Boardman
Purchaser:

Designate Type of Completion:
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☐ OG ☐ GSW ☐ Temp. Abd.
☐ CM *(Coal Bed Methane)*
☐ Cathodic ☑ Other *(Core, Expl., etc.)*: Stratigraphic Test

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 #:
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☐ ENHR Permit #:
☐ GSW Permit #:

1/9/2014	2/2/2014	2/4/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-007-24120-00-00
Spot Description:
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200 Feet from ☐ North / ☑ South Line of Section
1056 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
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Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Barber
Lease Name: Alexander 3114 Well #: 1-1
Field Name:
Producing Formation: none
Elevation: Ground: 1670 Kelly Bushing: 1685
Total Vertical Depth: 4782 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 1052 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: 12000 ppm Fluid volume: 420 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: SandRidge Expl. and Prod., LLC
Lease Name: Young 3406 License #: 34192
Quarter NW Sec. 27 Twp. 34 S. R. 6 ☐ East ☑ West
County: Harper Permit #: 15-077-22010-01-00

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: 05/02/2014
☐ **Confidential Release Date:**
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ I ☐ II ☐ III **Approved by:** NAOMI JAMES **Date:** 05/02/2014

Operator Name: SandRidge Exploration and Production LLC Lease Name: Alexander 3114 Well #: 1-1

Sec. 1 Twp. 31 S. R. 14 ☐ East ☑ West County: Barber

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	
Samples Sent to Geological Survey	☑ Yes	☐ No	
Cores Taken	☐ Yes	☑ No	
Electric Log Run	☑ Yes	☐ No	
Geologist Report / Mud Logs	☐ Yes	☐ No	

List All E. Logs Run: Attached

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Attached	Attached	Attached

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
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ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ Plug Off Zone	-			
	-			

1. Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☑ No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/ Injection:	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:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	Top / Bottom

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*

TUBING RECORD: Size: Set At: Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Alexander 3114 1-1
Doc ID	1195182

All Electric Logs Run

MIcro
Resistivity
Porosity
MRIL

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Alexander 3114 1-1
Doc ID	1195182

Tops

Name	Top	Datum
Chase	1934	
Base Heebner	3634	
Lansing	3796	
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Mississippi	4316	
Kinderhook	4330	
Maquoketa	4387	
Viola	4426	
Simpson	4518	
Arbuckle	4607	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Alexander 3114 1-1
Doc ID	1195182

Casing

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Surface	12.25	9.625	36	1052	Prem. Plus/ C	460	6% gel, 2% CaCl, 0.25 pps cello-flake, 0.5% C-41P

EDGE SERVICES
580-254-3216
Woodward, OK

INVOICE

DATE	INVOICE #
1/15/2014	4492

BILL TO
SANDRIDGE ENERGY, INC. ATTN: PURCHASING MANAGER 123 ROBERT S. KERR AVENUE OKLAHOMA CITY, OK 73102

REMIT TO
EDGE SERVICES, INC. PO BOX 609 WOODWARD, OK 73802

COUNTY	STARTING D...	WORK ORDER	RIG NUMBER	LEASE NAME	Terms
BARBER, KS	1/10/2014	3437	TOMCAT 2	ALEXANDER 3114 1-1	Due on rec...

Description
DRILLED 60' OF 30" CONDUCTOR HOLE DRILLED 6' OF 76" HOLE FURNISHED AND SET 6' X 6' TINHORN CELLAR FURNISHED 60' OF 20" CONDUCTOR PIPE FURNISHED MUD, WATER, AND TRUCKING FURNISHED 5 YARDS OF GRADE A CEMENT DRILL RAT AND MOUSE HOLES TOTAL BID $10,250.00

AFE Number: _____
Well Name: Alexander 3114 1-1
Code: 550-030
Amount: 10,338.80
Co. Man: Paul Fowler
Co. Man Sig.: _____
Notes: _____

Sales Tax (7.15%)	$88.80
TOTAL	$10,338.80

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK 3368	01/28/14

COUNTY	State	COMPANY	CUSTOMER REP
Barber	Kansas	dridge Exploration & Produc	Shane Morrison

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Alexander 3114	1-1	Surface	Nate Cotta

EMP NAME		EMP NAME		EMP NAME		EMP NAME	
Nate Cotta		Barry Barkley					
Jared Green							
David Settlemier							
Vontray Watkins							

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 80 Pressure _____

Retainer Depth _____ Total Depth 1055

	Called Out	On Location	Job Started	Job Completed
Date	1/27/2014	1/27/2014	1/27/2014	1/28/2014
Time	18:00	21:00	23:30	2:00

Tools and Accessories

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Va	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	new	36#	9⅝"	Surface	1,055	1,500
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			12¼"	Surface	1,052	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials

Mud Type	WBM	Density	9	Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33	Lb/Gal
Spacer type	Fresh 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	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Other _____

Hours On Location

Date	Hours
1/27	3.0
1/28	2.0
Total	5.0

Operating Hours

Date	Hours
1/27	0.5
1/28	2.0
Total	2.5

Description of Job

Surface

Pressures

MAX 1050 AVG. 200

Average Rates in BPM

MAX 5.2 BPM AVG 4.5

Cement Left in Pipe

Feet 47 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	245	TEX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - ¼pps Cello-Flake - .5% C-41P	11.11	2.01	12.40
2	215	Premium Plus (Class C)	2% Calcium Chloride - ¼pps 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		Type:		Preflush: BBl	10.00	Type:	Fresh Water
Breakdown		MAXIMUM	1,500 PSI	Load & Bkdn: Gal - BBl	N/A	Pad:Bbl -Gal	N/A
		Lost Returns-I	NO/FULL	Excess /Return BBl	58	Calc.Disp Bbl	78
		Actual TOC	SURFACE	Calc. TOC:	SURFACE	Actual Disp.	77.90
Average		Bump Plug PSI:	1,050	Final Circ. PSI:	450	Disp:Bbl	77.90
ISIP	5 Min.	10 Min	15 Min	Cement Slurry BBl	138.2		
				Total Volume BBl	226.10		

CUSTOMER REPRESENTATIVE _____ SIGNATURE