Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1206498

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: Tiffany Golay
Phone: ( 405 ) 429-6543
CONTRACTOR: License # 34127
Name: Tomcat Drilling LLC
Wellsite Geologist: Will Scott
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 #:

| 5/8/2014 | 5/21/2014 | 6/3/2014 |
|---|---|---|
| Spud Date or Recompletion Date | Date Reached TD | Completion Date or Recompletion Date |

API No. 15 - 15-191-22736-00-00
Spot Description:
SW SW SE SE Sec. 16 Twp. 34 S. R. 4 ☐ East ☑ West
200 Feet from ☐ North / ☑ South Line of Section
1170 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: Sumner
Lease Name: Kingston SWD 3404 Well #: 1-16
Field Name:
Producing Formation: Arbuckle
Elevation: Ground: 1232 Kelly Bushing: 1244
Total Vertical Depth: 5557 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 565 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: 5000 ppm Fluid volume: 0 bbls
Dewatering method used: Evaporated

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: 06/13/2014
☑ **Confidential Release Date:** 06/12/2016
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☑ **UIC Distribution**
**ALT** ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 06/13/2014

[redacted] 1206498

Operator Name: SandRidge Exploration and Production LLC Lease Name: Kingston SWD 3404 Well #: 1-16

Sec. 16 Twp. 34 S. R. 4 ☐ East ☑ West County: Sumner

**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:

Array Compensated True Resistivity Log
Dual Spaced Neutron Spectral Density Log
Compensated Spectral natural Gamma Log

☐ 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 | 24 | 20 | 75 | 80 | Edge Services 10 sack grout | 8 | none |
| Surface | 12.25 | 8.96 | 24 | 565 | Allied 65:35 Class A:Poz Blend | 335 | 6% Gel, 2% cc, 1/4# Floseal |
| Production | 7.87 | 5.5 | 17 | 5203 | Allied 60:35 Class A: Poz Blend | 645 | 6% Gel, 04% FL-160, 3# Kolseal |

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 | Kingston SWD 3404 1-16 |
| Doc ID | 1206498 |

Tops

| Name | Top | Datum |
|---|---|---|
| Base Heebner | 3042 | |
| Lansing | 3367 | |
| Cottage Grove | 3733 | |
| Oswego | 4090 | |
| Cherokee | 4218 | |
| Verdigris | 4252 | |
| Mississippian | 4556 | |
| Simpson | 4844 | |
| Oil Creek | 4988 | |
| Arbuckle | 5042 | |

| | |
|---|---|
| Form | ACO1 - Well Completion |
| Operator | SandRidge Exploration and Production LLC |
| Well Name | Kingston SWD 3404 1-16 |
| Doc ID | 1206498 |

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 | 24 | 20 | 75 | 80 | Edge Services 10 sack grout | 8 | none |
| Surface | 12.25 | 8.96 | 24 | 565 | Allied 65:35 Class A:Poz Blend | 335 | 6% Gel, 2% cc, 1/4# Floseal |
| Production | 7.87 | 5.5 | 17 | 5203 | Allied 60:35 Class A: Poz Blend | 645 | 6% Gel, 04% FL-160, 3# Kolseal |
| | | | | | | | |

EDGE SERVICES
580-254-3216
Woodward, OK

# INVOICE

| DATE | INVOICE # |
|---|---|
| 5/12/2014 | 4766 |

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

| REMIT TO |
|---|
| EDGE SERVICES, INC.<br>PO BOX 609<br>WOODWARD, OK 73802 |

| COUNTY | STARTING D... | WORK ORDER | RIG NUMBER | LEASE NAME | Terms |
|---|---|---|---|---|---|
| SUMNER, KS | 5/9/2014 | 3625 | TOMCAT 2 | KINGSTON SWD 3404 1-16 | Due on rec... |

| Description |
|---|
| DRILLED 80' OF 30" CONDUCTOR HOLE<br>DRILLED 6' OF 76" HOLE<br>FURNISHED AND SET 6' X 6' TINHORN CELLAR<br>FURNISHED 80' OF 20" CONDUCTOR PIPE<br>FURNISHED MUD, WATER, AND TRUCKING<br>FURNISHED WELDER AND MATERIALS<br>FURNISHED 8 YARDS OF 10 SACK GROUT FOR CONDUCTOR HOLE<br>FURNISHED 4 YARDS OF 10 SACK GROUT FOR MOUSE HOLE<br>FURNISHED GROUT PUMP<br>DRILL RAT AND MOUSE HOLES<br>FURNISHED 60 ' OF 16" CONDUCTOR PIPE<br><br>TOTAL BID $14,500.00 |

| | |
|---|---|
| **Sales Tax (6.65%)** | $154.41 |
| **TOTAL** | $14,654.41 |

ALLIED
OIL & GAS SERVICES, LLC

*Depend on US*

# Post Job Report

## SandRidge Energy

5/13/2014
Kingston SWD 3404 1-16
Sumner County, KS

ALLIED
OIL & GAS SERVICES, LLC

SandRidge Energy
Kingston SWD 3404 1-16
Sumner County, KS.

Table of Contents:

## 1.0 Executive Summary

Allied Oil & Gas Services would like to thank you, for the award of the provision of cementing products and services on the well Kingston SWD 3404 1-16 Surface Casing.

A pre-job meeting was held to discuss job details, review the safety hazards, potential environmental impact and established emergency procedures.

Allied started the job testing lines to 1000 psi. After a successful test we began the job by pumping 10 bbls of preflush spacer. We then mixed and pumped the following cements:

60 Bbls (180 sacks) of 12.7 ppg Lead slurry:
65:35 Class A:Poz Blend - 1.87 Yield
6.0% Gel
2%cc
¼# Floseal

33 Bbls (155 sacks) of 15.6 ppg Tail slurry:
2% cc
¼# Floseal

The top plug was then released and displaced with 33.5 of fresh water. The plug bumped and pressured up to 500 psi. Pressure was released and floats held.

Due to technical difficulties the chart could not be recorded on the computer.

Allied Oil & Gas Services remains committed to provide operational excellence and superior product performance. All comments and suggestions are greatly appreciated and help us to continue to provide this level of service.

Again we want to thank you for the opportunity to perform these and your future cementing & acidizing service needs.

ALLIED
OIL & GAS SERVICES, LLC

SandRidge Energy
Kingston SWD 3404 1-16
Sumner County, KS.

## 2.0 Job Summary

### 2.1 Job Log

| Time | Pressures PSI | | Fluid Pumped Data | | | Remarks |
|---|---|---|---|---|---|---|
| AM /PM | Drill Pipe /Casing | Annulus | Total Fluid | Pumped per Period | Rate Bbls/Min | |
| 11.30 | | | | | | Held Safety Meeting |
| | | | | | | Rig Up |
| 12.32 | | | | | | Pre-Job Safety Meeting |
| | | | | | | Finish Rig Up |
| 12.48 | 1000 | | | | | Pressure Test Lines |
| | | | | | | |
| 1.51 | 100 | | 60 | | 6 | Mix & Pump Lead Cement (180 sacks) |
| 2.02 | 100 | | 33 | | 6 | Mix & Pump Tail Cement (155 sacks) |
| 2.14 | | | | | | Cement in stop pumps + release plug |
| 2.19 | 50 | | 0 | | 5 | Start fresh water displacement |
| 2.32 | 150 | | 25 | | 2 | Slow Rate |
| 2.37 | 500 | | 33.5 | | | Bump Plug |
| 2.39 | | | | | | Release Pressure |
| | | | | | | Float Held |
| | | | | | | Circulate Cement To Pit |
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2.2 Job Summary Chart

ALLIED OIL & GAS SERVICES, LLC

**Camp 21 -- Liberal**

**Pressure Recorder Chart**

**NONE**

**(Computer Down)**

**Customer : Sandridge Energy Inc.**

**Lease / Well : Kingston 1-16**

**Date: 5-13-14 Field Ticket: # 52852**

**Cementer: Kirby Harper**

## 3.0 Customer Satisfaction Survey

| | |
|---|---|
| Customer | SANDRIDGE |
| Date | 5/13/2014 |
| Lease Name/No | KINGSTON 3404# 1-16 |
| Well Location | SUMNER, KS |
| Supervisor | KIRBY HARPER |
| Equipment Operators | Kirby Harper, Heriberto Valenzuela, Ricardo Landa, |

### Performance

| | | |
|---|---|---|
| WAS THE APPEARANCE OF THE PERSONNEL AND EQUIPMENT SATISFACTORY? | YES | NO |
| WAS THE JOB PERFORMED IN A PROFESSIONAL MANNER? | YES | NO |
| WERE THE CALCULATIONS PREPARED AND EXPLAINED PROPERLY? | YES | NO |
| WERE THE CORRECT SERVICES DISPATCHED TO THE JOB SITE? | YES | NO |
| WERE THE SERVICES PERFORMED AS REQUESTED? | YES | NO |
| DID THE JOB SITE ENVIRONMENT REMAIN UNCHANGED? | YES | NO |
| DID THE EQUIPMENT PERFORM IN THE MANNOR EXPECTED? | YES | NO |
| DID THE MATERIALS MEET YOUR EXPECTATIONS? | YES | NO |
| WAS THE CREW PREPARED FOR THE JOB? | YES | NO |
| WAS THE CREW PROMPT IN THE RIG-UP AND ACTUAL JOB? | YES | NO |
| WERE REASONABLE RECOMMENDATIONS GIVEN, AS REQUESTED? | YES | NO |
| DID THE CREW PERFORM SAFELY? | YES | NO |
| WAS THE JOB PERFORMANCE TO YOUR SATISFACTION? | YES | NO |

CUSTOMER SIGNATURE:

DATE:

ADDITIONAL COMMENTS:

Good job

ALLIED
OIL & GAS SERVICES, LLC

*Depend on US*

# Post Job Report

## SandRidge Energy

Kingston SWD #3404 1-16
5/19/2014
Production Casing
Sumner County, KS

Table of Contents:

## 1.0 Executive Summary

Allied Oil & Gas Services would like to thank you, for the award of the provision of cementing products and services on the well Kingston SWD #3404 1-16 Production Casing.

A pre-job meeting was held to discuss job details, review the safety hazards, potential environmental impact and established emergency procedures.

Allied started the job testing lines to 3000 psi. After a successful test we began the job by pumping 30 bbls of preflush spacer. We then mixed and pumped the following cements:

176 Bbls (470 sacks) of 12.8 ppg lead slurry
65:35 Class A:Poz Blend - 1.83 Yield
6.0% Gel
0.4% FL-160
3# Kolseal

36 Bbls (175 sacks) of 14.5 ppg Tail slurry:
Class A - 1.44 Yield
2% Gel
.6% FL-160
.1% C-45
5# Kolseal

The top plug was then released and displaced with 118.75 Bbls of fresh water. The plug bumped and pressured up to 1600 psi. Pressure was released and floats held.

All real time data is shown on the graph in the attachment section.

Allied Oil & Gas Services remains committed to provide operational excellence and superior product performance. All comments and suggestions are greatly appreciated and help us to continue to provide this level of service.

Again we want to thank you for the opportunity to perform these and your future cementing & acidizing service needs.

ALLIED
OIL & GAS SERVICES, LLC

SandRidge Energy
Kingston SWD #3404 1-16
Sumner Co, Kansas.

## 2.0 Job Summary

### 2.1 Job Log

| Time | Pressures PSI | | Fluid Pumped Data | | | Remarks |
|---|---|---|---|---|---|---|
| AM /PM | Drill Pipe /Casing | Annulus | Total Fluid | Pumped per Period | Rate Bbls/Min | |
| | | | | | | Held Safety Meeting |
| | | | | | | Rig Up |
| | | | | | | Pre-Job Safety Meeting |
| | | | | | | Finish Rig Up |
| 4:30pm | 3000 | | | | | Pressure Test Lines |
| 4:30pm | 600 | | 30 | | 6 | Pump Spacer |
| 4:40pm | 500 | | 153 | | 6 | Mix & Pump Lead Cement (470 sacks) |
| 5:15pm | 400 | | 45 | | 5 | Mix & Pump Tail Cement (175 sacks) |
| | | | | | | Cement in stop pumps |
| | | | 12 | | | Wash pump and lines to pit |
| | | | | | | Release plug |
| 5:40pm | 100 | | | | 7.5 | Start displacement |
| 5:50pm | 600 | | 90 | | 5 | See lift pressure @ 90 Bbls out |
| 5:55pm | 800 | | 108 | | 3 | Slow rate @ 108 Bbls out |
| 6:00pm | 1600 | | 118.75 | | 3 | Bump plug @ 118.75 Bbls out |
| 6:05pm | | | | | | Release pressure + float held |
| | | | | | | Cement did not circulate |
| | | | | | | |
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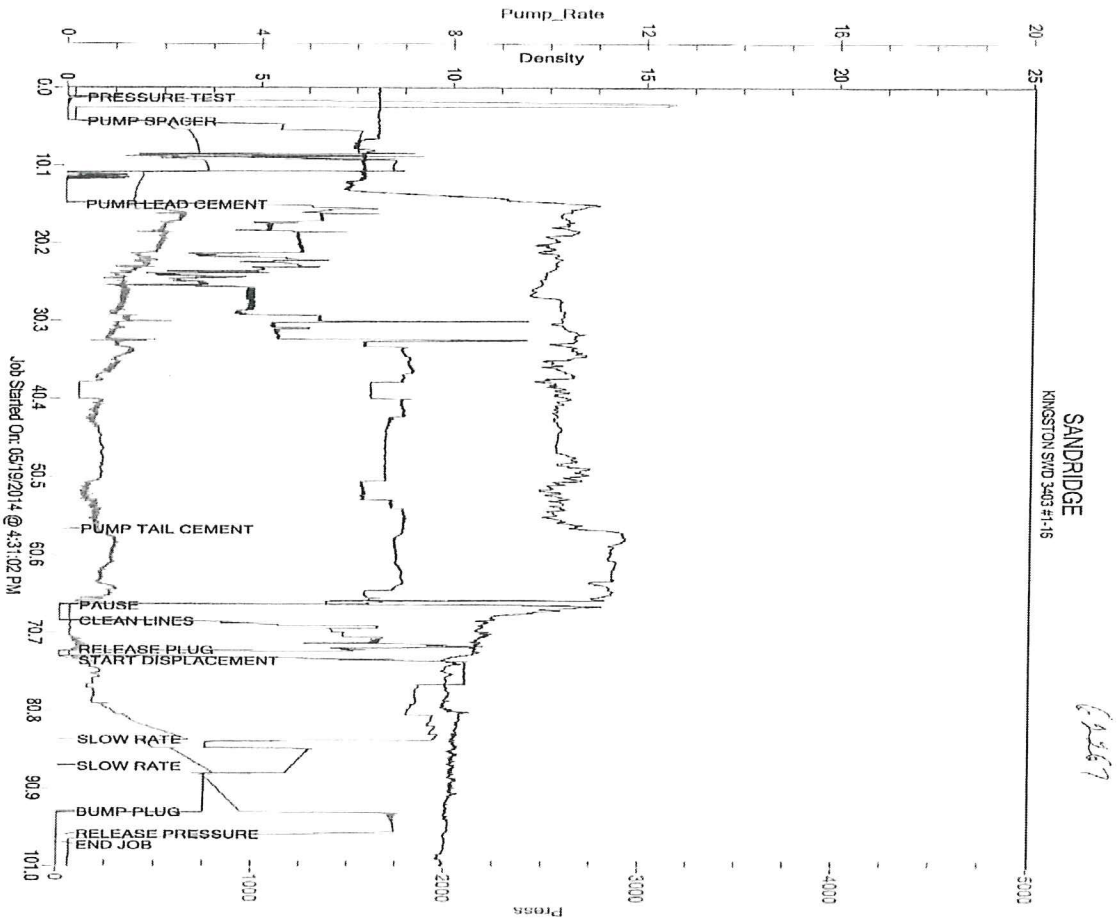
2.2 Job Summary Chart



## 3.0 Customer Satisfaction Survey

ALLIED OIL & GAS SERVICES, LLC

Customer: SANDRIDGE ENERGY
Date: 5-19-14
Well Name: KINGSTON SWD 3404 #1-16
Well Location: SUMNER CO KS
Supervisor: SCOTT PRIDDY
Equipment Operators: ~~KEN~~ CODY BRACKEN, RON GILLEY, JOSH ELLIS

| Performance | Customer | |
|---|---|---|
| Was the appearance of the personnel and equipment satisfactory? | Yes | No |
| Was the job performed in a professional manner? | Yes | No |
| Were the calculations prepared and explained properly? | Yes | No |
| Were the correct services dispatched to the job site? | Yes | No |
| Were the services performed as requested? | Yes | No |
| Did the job site environment remain unchanged? | Yes | No |
| Did the equipment perform in the manner expected? | Yes | No |
| Did the materials meet your expectations? | Yes | No |
| Was the crew prepared for the job? | Yes | No |
| Was the crew prompt in the rig-up and actual job? | Yes | No |
| Were reasonable recommendations given, as requested? | Yes | No |
| Did the crew perform safely? | Yes | No |
| Was the job performed to your satisfaction? | Yes | No |
| Customer Signature: Bill Tomlinson Date: 5-19-14 | | |
| Additional Comments: | | |