

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Confidentiality Requested:

 Yes  No

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

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 DistributionALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1232596

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
--	---

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:  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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Buerkle 2133 1-7
Doc ID	1232596

Tops

Name	Top	Datum
Heebner	3824	
Lansing	3868	
Marmaton	4347	
Pawnee	4429	
Cherokee	4467	
Marrow	4639	
Mississippian	4689	
Viola	5386	

## Summary of Changes

Lease Name and Number: Buerkle 2133 1-7

API/Permit #: 15-055-22199-00-00

Doc ID: 1232596

Correction Number: 2

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	09/30/2014	11/24/2014
Cementing Purpose Plug Off Zone	No	Yes
CementingDepth1_PDF	-	4680-
CementingDepth2_PDF	-	5300-
CementingDepthTop1		4680
CementingDepthTop2		5300
Class of Completion	NewWell	Workover
Completion Or Recompletion Date	3/22/2013	10/9/2014
Contractor License Number	34464	34979
Contractor Name	Lariat Services, Inc. dba Chaparral Supply, Hondo Heavy Haul	L.C.B. Resources, LLC

Summary of changes for correction 2 continued

Field Name	Previous Value	New Value
Date of First or Resumed Production or SWD or Enhr If OWWO - Original Total Depth	6/14/2013	
		5510
If OWWO - Original Well Name		Buerkle 2133 1-7
If OWWO - Original Well Operator Name		SandRidge Exploration and Production, LLC
Number Of Sacks Used for Cementing / Squeezing- Line 1		2
Number Of Sacks Used for Cementing / Squeezing- Line 2		2
Operator's Contact Name	Wanda Ledbetter	Tiffany Golay
Operator's Phone	429-6474	429-6543
Original Well Completion Date		3/22/2013
Perf_Depth_2	4691 -4707	4680
Perf_Material_2	WO Frac	CIBP
Perf_Material_4		3000 gal 15% NEFE HCL acid, 9800 bbls slickwater
Perf_Record_2	4691-4698	4691-4707

Summary of changes for correction 2 continued

Field Name	Previous Value	New Value
Perf_Record_3	4565-4635	4565-4535
Perf_Record_4		4403-4547
Producing Formation	Cherokee/ Mississippi	Cherokee
Producing Method Pumping	Yes	No
Production - Barrels Oil	7	
Production - Barrels of Water	390	
Production - MCF Gas	0	
Production Interval #1	4691-4707	4403-4635
RePerf	No	Yes
Save Link	../../../../kcc/detail/operatorEditDetail.cfm?docID=12	../../../../kcc/detail/operatorEditDetail.cfm?docID=12
Well Type	25165 OIL	32596 SLOW



Confidentiality Requested:

Yes  No

# CONFIDENTIAL 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: \_\_\_\_\_



**CONFIDENTIAL**

**WELL COMPLETION FORM**

**Form Must Be Typed**  
**Form must be Signed**  
**All blanks must be Filled**

**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
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- 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

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total 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**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



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](mailto: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 Geologist Report / Mud Logs <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				

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: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
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> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Buerkle 2133 1-7
Doc ID	1126556

Tops

Name	Top	Datum
Heebner	3824	
Lansing	3868	
Marmaton	4347	
Pawnee	4429	
Cherokee	4467	
Marrow	4639	
Mississippian	4689	
Viola	5386	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Buerkle 2133 1-7
Doc ID	1126556

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	5344 - 5348	CIBP	5300
2	4691-4698	WO Frac	4691 -4707



Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

March 22, 2013

Tiffany Golay  
SandRidge Exploration and Production LLC  
123 ROBERT S. KERR AVE  
OKLAHOMA CITY, OK 73102-6406

Re: ACO1  
API 15-055-22199-00-00  
Buerkle 2133 1-7  
NE/4 Sec.07-21S-33W  
Finney County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Tiffany Golay



Current

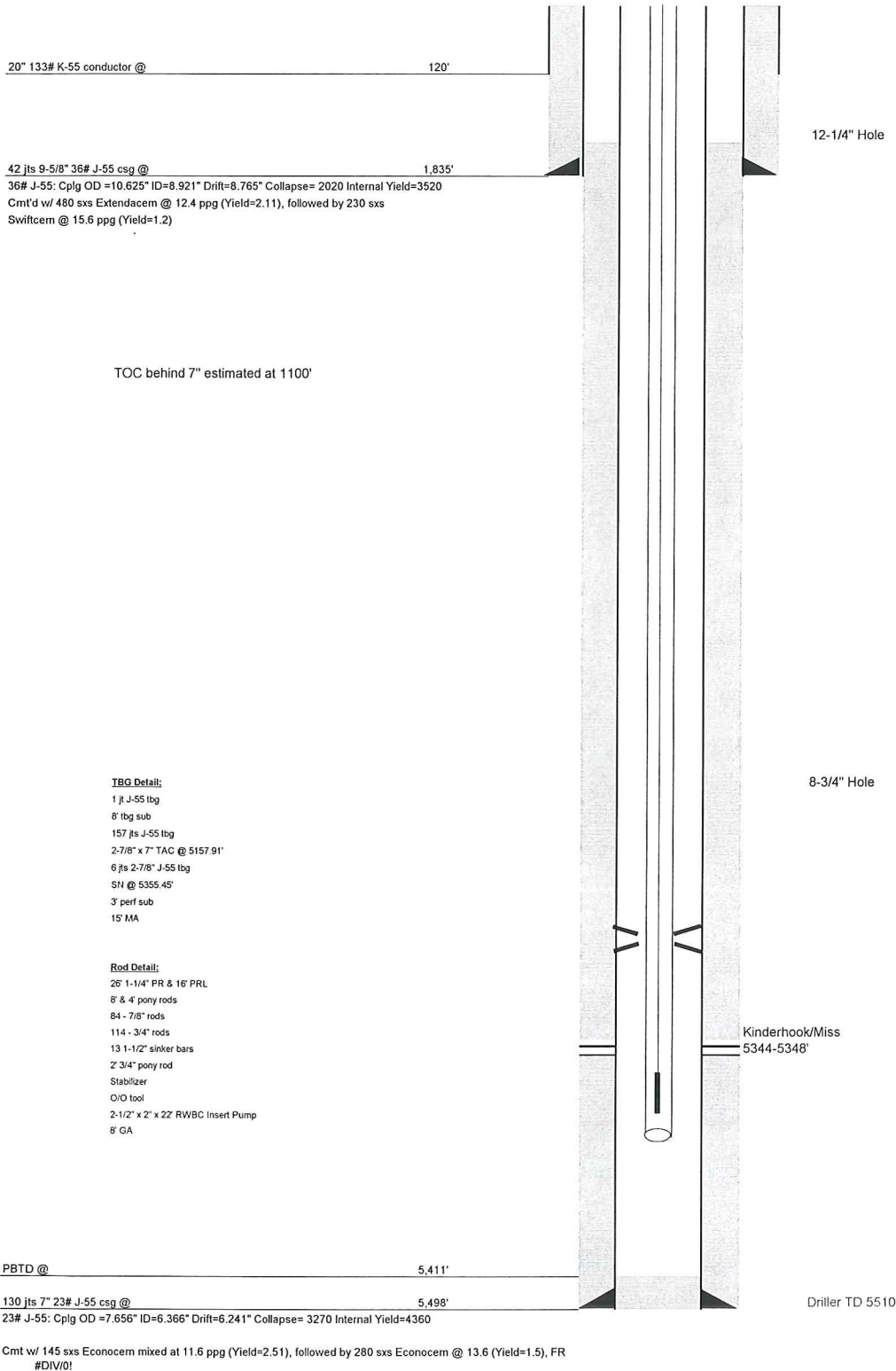
Field Buerkle  
 County Finney  
 State KS  
 Well Buerkle 2133 1-7  
 SH Location SEC 7, TWP 21S, RNG 33W  
 Elevations 2942' KB; 2922' GL

**Wellbore Schematic**

15-055-22199  
 API No.

Original Completion (4/30/13)	X
Current	X
Workover	
Proposed	

Well Bore Data      MD



**TBG Detail:**  
 1 jt J-55 tbg  
 8' tbg sub  
 157 jts J-55 tbg  
 2-7/8" x 7" TAC @ 5157.91'  
 6 jts 2-7/8" J-55 tbg  
 SN @ 5355.45'  
 3' perf sub  
 15' MA

**Rod Detail:**  
 26' 1-1/4" PR & 16' PRL  
 8' & 4' pony rods  
 84 - 7/8" rods  
 114 - 3/4" rods  
 13 1-1/2" sinker bars  
 2' 3/4" pony rod  
 Stabilizer  
 O/O tool  
 2-1/2" x 2" x 22' RWBC Insert Pump  
 8' GA

## Wanda Ledbetter

---

**From:** Kevin Thompson  
**Sent:** Tuesday, June 18, 2013 5:35 PM  
**To:** Wanda Ledbetter  
**Subject:** RE: Buerkle 1-7

**Follow Up Flag:** Flag for follow up  
**Flag Status:** Completed

Wanda,

The well was drilled as a vertical pilot hole and then logged. Based on the logs, the decision was made to not proceed with plugging back and drilling the horizontal lateral. The well was completed with 7" production casing set and cemented at 5498' (Driller TD 5510'). A wireline truck was moved in and a pulsed neutron log and cement bond log were ran. There were cement stringers which prevented the logging tools from getting all the way to bottom—they were only able to go to 5296'. The cement stringers were then drilled out to PBTD (5411'). The Kinderhook Mississippian zone was perforated from 5344' – 5348'. The well swabbed dry so the perms were fracture stimulated with 12,012 gals 30# linear gel and 6,048 gals gelled 15% NEFE acid. The well was swabbed and then placed on rod pump to test. The Kinderhook tested wet, so a CIBP was set at 5300' and topped with 2 sx cement by a dump bailer. The Mississippi intervals 4691' – 4698' and 4701' – 4707' were then perforated. These perforations swabbed dry so they were broken down and stimulated with 2000 gals 15% NEFE acid. The well made 2 barrels of fluid per hour with a 50% oil cut on swab test. The decision was made to frac the perforations. They were treated with 3500 gals 15% NEFE acid, 120,000 gals low Ph slickwater, and 7500# 100-mesh and 12,500# 40/70 sand. The well was swabbed and then returned to rod pump. This is the interval that is being produced today.

I don't believe that there are any plans to go back and complete the well as a horizontal well. The open hole logs in the pilot hole did not show an interval that would be a good target for a horizontal well, so I think it will remain a vertical well being produced from the upper Mississippian intervals. The abandoned Kinderhook perforations are also Mississippian as the Kinderhook is one of the older zones in the Mississippian interval.

Hopefully this answers your questions. If you need anything else, please let me know.

Kevin Thompson  
Senior Completions Engineer  
Office 2652  
SandRidge Energy, Inc.  
123 Robert S. Kerr Avenue  
Oklahoma City, OK 73102-6404  
405-429-6601 office  
405-248-8903 mobile

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**From:** Wanda Ledbetter  
**Sent:** Tuesday, June 18, 2013 4:47 PM  
**To:** Kevin Thompson  
**Subject:** Buerkle 1-7

Hi Kevin,



P.O. BOX 3660  
HOUMA, LA 70361-3660

Customer: SAN400

BILL TO : SANDRIDGE ENERGY  
123 ROBERT S KERR AVENUE  
OKLAHOMA CITY, OK 73102-6406  
PHONE: (405) 753-5500 FAX: ()

Division : 0701  
Delivery Ticket : 4460  
Delivery Date : 3/11/2013  
Office : 12/1/1901

Ordered By :  
Lease/Well : BUERKLE 2133 1-7H  
Rig Name/Number : LARIAT 3  
AFE Number :  
Site Contact :  
:  
:  
:  
:

Qty	Description	Min / Standby / Usage Charge	Add Day	Unit Price	Start Date / Stop Date	Extended Line Total
1	BUERKLE 2133 1-7H	\$21,750.00	\$0.00	\$21,750.00	2/28/2013 2/28/2013	\$21,750.00
120	DRILLED 30" CONDUCTOR HOLE	\$0.00	\$0.00	\$0.00	2/28/2013 2/28/2013	
120	20" CONDUCTOR PIPE (.250 WALL)	\$0.00	\$0.00	\$0.00	2/28/2013 2/28/2013	
1	6'X6' CELLAR TINHORN WITH PROTECTIVE RING	\$0.00	\$0.00	\$0.00	2/28/2013 2/28/2013	
1	DRILL & INSTALL 6'X6' CELLAR TINHORN	\$0.00	\$0.00	\$0.00	2/28/2013 2/28/2013	
77	DRILLED 20" MOUSE HOLE (PER FOOT)	\$0.00	\$0.00	\$0.00	2/28/2013 2/28/2013	
77	16" CONDUCTOR PIPE (.250 WALL)	\$0.00	\$0.00	\$0.00	2/28/2013 2/28/2013	
1	MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE	\$0.00	\$0.00	\$0.00	2/28/2013 2/28/2013	
1	WELDING SERVICES FOR PIPE & LIDS	\$0.00	\$0.00	\$0.00	2/28/2013 2/28/2013	
1	PROVIDED EQUIPMENT & LABOR FOR DIRT REMOVAL	\$0.00	\$0.00	\$0.00	2/28/2013 2/28/2013	
1	PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR THE MOUSEHOLE PIPE)	\$0.00	\$0.00	\$0.00	2/28/2013 2/28/2013	
14	CEMENT 10 SACK GROUT	\$0.00	\$0.00	\$0.00	2/28/2013 2/28/2013	
Sub Total:		\$21,750.00	\$0.00			\$21,750.00

Print Name

Signature



The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2984337	Quote #:	Sales Order #: 900268948
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Hill, Richard	
Well Name: Buerkle 2133	Well #: 1-7#	API/UWI #: 15-055-22200	
Field:	City (SAP): GARDEN CITY	County/Parish: Finney	State: Kansas
Legal Description: Section 7 Township 21S Range 33W			
Contractor: Lariat		Rig/Platform Name/Num: 3	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: FRENCH, JEREMY		Srvc Supervisor: THOMPSON, RAYLAND	MBU ID Emp #: 476826

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
GARCIA, ADAM Joe	17.25	531492	KLAUSE, JOHN David	17.25	456246	LOPEZ, CRISTIAN Adrian	17.25	488085
MENDOZA, VICTOR	17.25	442596	NASH, JONATHAN Clark	17.25	524600	THOMPSON, RAYLAND Heath	17.25	476826
YANEZ, BENJAMIN	17.25	538038						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
3/6/13	14	1	3/7/13	3	1			

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
					07 - Mar - 2013	02:00	CST
Form Type			BHST	On Location	07 - Mar - 2013	09:45	CST
Job depth MD	1800. ft		Job Depth TVD	Job Started	07 - Mar - 2013	00:00	CST
Water Depth			Wk Ht Above Floor	Job Completed	07 - Mar - 2013	02:00	CST
Perforation Depth (MD)	From		To	Departed Loc	07 - Mar - 2013	00:00	CST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
12.25" Open Hole				12.25					1800.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55		1800.		

Sales/Rental/3<sup>rd</sup> Party (HES)


Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG, TOP, 9 5/8, HW, 8.16 MIN/9.06 MA	1	EA		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

Fluid Data									
Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Fresh Water		10.00	bbl	8.33	.0	.0	.0	
2	Lead Cement	EXTENDACEM (TM) SYSTEM (452981)	480.0	sacks	12.4	2.11	11.57		11.57
	3 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)				180 BBLs			
	0.25 lbm	POLY-E-FLAKE (101216940)							
	11.571 Gal	FRESH WATER							
3	Tail Cement	SWIFTCEM (TM) SYSTEM (452990)	230.0	sacks	15.6	1.2	5.32		5.32
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)				49 BBLs			
	0.125 lbm	POLY-E-FLAKE (101216940)							
	5.319 Gal	FRESH WATER							
4	Displacement		136.00	bbl	8.33	.0	.0	.0	
Calculated Values		Pressures			Volumes				
Displacement	138	Shut In: Instant		Lost Returns	0	Cement Slurry	229	Pad	
Top Of Cement	1839.53	5 Min		Cement Returns	78	Actual Displacement	138	Treatment	
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job	
Rates									
Circulating		Mixing	5	Displacement	8	Avg. Job	6.5		
Cement Left In Pipe	Amount	47.92 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature					
									

*The Road to Excellence Starts with Safety*

Sold To #: 305021	Ship To #: 2984337	Quote #:	Sales Order #: 900268948
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Hill, Richard	
Well Name: Buerkle 2133	Well #: 1-7H	API/UWI #: 15-055-22200	
Field:	City (SAP): GARDEN CITY	County/Parish: Finney	State: Kansas
Legal Description: Section 7 Township 21S Range 33W			
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.		Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.	
Contractor: Lariat	Rig/Platform Name/Num: 3		
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: FRENCH, JEREMY		Srvc Supervisor: THOMPSON, RAYLAND	MBU ID Emp #: 476826

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	03/06/2013 02:00							CREW CALLED OUT TO THE SANDRIDGE BUERKLE 2133 9 5/8 SURFACE
Other	03/06/2013 03:00							ARRIVE AT YARD, LOAD EQUIPMENT FOR JOB
Crew Leave Yard	03/06/2013 05:00							DEPART FOR LOCATION, CONVOY WITH PUMP TRUCK
Pre-Convoy Safety Meeting	03/06/2013 05:00							DISCUSS HAZARDS OF ROAD, DO JOURNEY MANAGEMENT
Arrive At Loc	03/06/2013 09:45							ARRIVE AT LOCATION, GET WORK ORDER SIGNED, GO OVER NUMBERS WITH COMPANY MAN
Assessment Of Location Safety Meeting	03/06/2013 09:50							IDENTIFY HAZARDS OF LOCATION, TEST WATER, VERIFY BULK EQUIPMENT IS LOADED PROPERLY
Wait on Customer or Customer Sub-Contractor Equip	03/06/2013 10:00							CUSTOMER PULLING DP OUT OF HOLE WHEN ARRIVED
Pre-Rig Up Safety Meeting	03/06/2013 11:00							GO OVER HAZARDS OF RIGGING UP, REVIEW JSA AND HSE SHEETS
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

Sold To #: 305021

Ship To #: 2984337

Quote #:

Sales Order #: 900268948

SUMMIT Version: 7.3.0078

Thursday, March 07, 2013 01:10:00

Rig-Up Equipment	03/06/2013 11:10						LAY SUCTION HOSES AND DISCHARGE LINES, BUILD STAND PIPE, RIG UP CIRCULATING IRON AND PLUG CONTAINER ON FLOOR
Rig-Up Completed	03/06/2013 12:30						FINISHED RIGGING UP
Casing on Bottom	03/06/2013 22:00						FINISHED RUNNING CASING
Pre-Job Safety Meeting	03/06/2013 22:45						GO OVER JOB HAZARDS AND JOB PROCEDURES WITH COMPANY MAN, RIG CREW, AND HES CREW
Test Lines	03/06/2013 23:13					2500.0	TEST LINES 2500 PSI
Pump Spacer	03/06/2013 23:16		2.5		10	78.0	PUMP 10 BBLS F/W
Pump Lead Cement ✓	03/06/2013 23:20		6		180	303.0	PUMP 180 BBLS LEAD CEMENT @ 12.4 PPG
Pump Tail Cement ✓	03/06/2013 23:48		5		49	150.0	PUMP 49 BBLS TAIL CEMENT @ 15.6 PPG
Shutdown	03/06/2013 23:54						SHUTDOWN
Drop Top Plug	03/06/2013 23:56						DROP TOP PLUG, WASH UP ON TOP
Pump Displacement	03/07/2013 00:04		8		138	31.0	PUMP F/W DISPLACEMENT
Displ Reached Cmmt	03/07/2013 00:11		8		70	427.0	CAUGHT CEMENT WITH 70 BBLS PUMPED
Slow Rate	03/07/2013 00:19		3		125	505.0	SLOW RATE TO 3 BPM 10 BBLS FROM BUMPING
Bump Plug	03/07/2013 00:23		3		138	786.0	BUMP PLUG 500 PSI OVER LIFT, LIFT PRESSURE WAS PSI, PRESSURED UP AND HELD @ 1305 PSI
Check Floats	03/07/2013 00:25						FLOATS HOLDING, GOT 1 BBLS BACK
End Job	03/07/2013 00:34						END JOB
Pre-Rig Down Safety Meeting	03/07/2013 00:40						DISCUSS HAZARDS OF RIGGING DOWN, REVIEW JSA AND HSE SHEETS

*Cementing Job Log*

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Rig-Down Equipment	03/07/2013 00:45							RIG DOWN SUCTION HOSES AND DISCHARGE LINES
Rig-Down Completed	03/07/2013 01:30							FINISHED RIGGING DOWN
Pre-Convoy Safety Meeting	03/07/2013 03:00							GO OVER HAZARDS OF ROAD, DO JOURNEY MANAGEMENT
Crew Leave Location	03/07/2013 03:10							DEPART FOR PAMPA YARD

RECEIVED

APR 1 2013

HALLIBURTON

## Cementing Job Summary

REGULATORY DEPT  
SANDRIDGE ENERGY

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2984337	Quote #:	Sales Order #: 900310117
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep:	
Well Name: Buerkle 2133	Well #: 1-7H	API/UWI #: 15-055-22200	
Field:	City (SAP): GARDEN CITY	County/Parish: Finney	State: Kansas
Legal Description: Section 7 Township 21S Range 33W			
Contractor: Lariat		Rig/Platform Name/Num: 3	
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: FRENCH, JEREMY		Srvc Supervisor: AGUILERA, FABIAN	MBU ID Emp #: 442123

## Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
AGUILERA, FABIAN J	11	442123	HEIDT, JAMES Nicholas	11	517102	JOHNSON, MATTHEW Warren	11	525955
SIRMON, DANIEL Lane	11	433480						

## Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

## Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
3/24/2013	11	1.5						

TOTAL Total is the sum of each column separately

## Job

## Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
					24 - Mar - 2013	07:00	CST
Form Type			BHST	On Location	24 - Mar - 2013	12:30	CST
Job depth MD	5498. ft		Job Depth TVD	Job Started	24 - Mar - 2013	19:50	CST
Water Depth			Wk Ht Above Floor	Job Completed	24 - Mar - 2013	21:14	CST
Perforation Depth (MD)	From		To	Departed Loc	24 - Mar - 2013	23:30	CST

## Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
8.75" Open Hole				8.75				1800.	5155.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5155.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	1800.		

Sales/Rental/3<sup>rd</sup> Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG, TOP, 7, HWE, 5.66 MIN/6.54 MAX CS	1	EA		

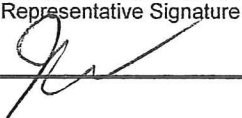
## Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

## Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

## Fluid Data

Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	Rig Supplied Gel Water		30.00	bbl	8.33	.0	.0	.0		
2	Lead Cement	<b>ECONOCEM (TM) SYSTEM (452992)</b>	<b>145.0</b>	sacks	11.6	2.51	14.44		14.44	
	0.2 %	HR-800, 50 LB SACK (101619742)								
	3 %	CAL-SEAL 60, 50 LB BAG (101217146)								
	6 %	BENTONITE, BULK (100003682)								
	0.1 %	WG-17, 50 LB SK (100003623)								
	14.439 Gal	FRESH WATER								
3	Tail Cement	<b>ECONOCEM (TM) SYSTEM (452992)</b>	<b>280.0</b>	sacks	13.6	1.5	6.76		6.76	
	5 lbm	<b>KOL-SEAL</b> , BULK (100064233)								
	0.25 %	SA-1015, 50 LB SACK (102077046)								
	0.2 %	CFR-3, W/O DEFOAMER, 50 LB SK (100003653)								
	6.756 Gal	FRESH WATER								
4	Displacement		213.00	bbl	8.33	.0	.0	.0		
<b>Calculated Values</b>			<b>Pressures</b>			<b>Volumes</b>				
Displacement	212 BBL	Shut In: Instant		Lost Returns	NO	Cement Slurry	140 BBL	Pad		
Top Of Cement	2238 FT.	5 Min		Cement Returns	NO	Actual Displacement	212 BBL	Treatment		
Frac Gradient		15 Min		Spacers	30 BBL	Load and Breakdown		Total Job		
<b>Rates</b>										
Circulating	5	Mixing	5	Displacement	6	Avg. Job	5			
Cement Left In Pipe	Amount	84 ft	Reason	Shoe Joint						
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID			
<b>The Information Stated Herein Is Correct</b>				Customer Representative Signature 						

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 305021		<b>Ship To #:</b> 2984337		<b>Quote #:</b>		<b>Sales Order #:</b> 900310117	
<b>Customer:</b> SANDRIDGE ENERGY INC EBUSINESS				<b>Customer Rep:</b>			
<b>Well Name:</b> Buerkle 2133			<b>Well #:</b> 1-7H		<b>API/UWI #:</b> 15-055-22200		
<b>Field:</b>		<b>City (SAP):</b> GARDEN CITY		<b>County/Parish:</b> Finney		<b>State:</b> Kansas	
<b>Legal Description:</b> Section 7 Township 21S Range 33W							
<b>Lat:</b> N 0 deg. OR N 0 deg. 0 min. 0 secs.				<b>Long:</b> E 0 deg. OR E 0 deg. 0 min. 0 secs.			
<b>Contractor:</b> Lariat			<b>Rig/Platform Name/Num:</b> 3				
<b>Job Purpose:</b> Cement Intermediate Casing					<b>Ticket Amount:</b>		
<b>Well Type:</b> Development Well			<b>Job Type:</b> Cement Intermediate Casing				
<b>Sales Person:</b> FRENCH, JEREMY			<b>Srvc Supervisor:</b> AGUILERA, FABIAN		<b>MBU ID Emp #:</b> 442123		

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	03/24/2013 07:00							CREW CALLED OUT FOR SANDRIDGE ENERGY, BUERKLE 2133, 1-7H, 7" INTERMEDIATE
Pre-Convoy Safety Meeting	03/24/2013 09:30							DISCUSSED ALL POTENTIAL ROAD HAZARDS WITH HES CREW
Crew Leave Yard	03/24/2013 10:00							CALL IN JOURNEY MANAGEMENT, IN ROUTE TO SANDRIDGE ENERGY, BUERKLE 2133, 1-7H
Arrive At Loc	03/24/2013 12:30							ARRIVE AT LOCATION
Assessment Of Location Safety Meeting	03/24/2013 12:45							ASSESSED THE LOCATION, SPOT IN EQUIPMENT, WATER TESTED GOOD, GOT WITH CM AND WENT OVER JOB DEPTH AND NUMBERS, AT THIS TIME HAVE GOOD RETURNS
Pre-Rig Up Safety Meeting	03/24/2013 12:50							DISCUSSED ALL POTENTIAL HAZARDS AND PINCH POINTS WITH HES CREW
Rig-Up Equipment	03/24/2013 13:00							RIG UP IRON AND WATER HOSES
Rig-Up Completed	03/24/2013 13:30							RIG UP WENT WELL AND SAFELY
Activity Description	Date/Time	Cht	Rate bbl/min	Volume bbl	Pressure psig	Comments		

Sold To # : 305021

Ship To # : 2984337

Quote # :

Sales Order # : 900310117



		#		Stage	Total	Tubing	Casing	
Other	03/24/2013 13:45							AT THIS TIME CASING CREW IS RUNNING CASING DOWNHOLE, HAVE GOOD RETURNS
Other	03/24/2013 14:00							AT THIS TIME CASING CREW DONE RUNNING CASING, CM REQUESTED TO CIRCULATE LONG ENOUGH FOR CASING CREW TO RIG DOWN BEFORE PUMPING JOB
Other	03/24/2013 14:30							AT THIS TIME WAITING FOR TOOL SPECIALIST TO ARRIVE ON LOCATION TO DROP LANDING TOOL ONTO CASING AND DOWNHOLE, CM HAS RIG CREW CIRCULATING FOR NOW, GOOD RETURNS
Other	03/24/2013 18:00							AT THIS TIME TOOL SPECIALIST ARRIVE TO LOCATION AND BEGAN TO TRIP DOWNHOLE WITH LAND TOOL, STILL HAVE GOOD RETURNS
Pre-Job Safety Meeting	03/24/2013 19:30							DISCUSSED ALL POTENTIAL HAZARDS WHEN PRESSURE IS PRESENT WITH HES AND RIG CREW, WENT OVER JOB SCHEDULE AND NUMBERS WITH CM, AT THIS TIME THEY HAVE GOOD RETURNS
Start Job	03/24/2013 19:50							
Test Lines	03/24/2013 19:51							TEST LINES TO 4000 PSI
Pump Spacer	03/24/2013 19:53		5	30			145.0	PUMP SPACER 30 BBL FW
Pump Lead Cement	03/24/2013 20:00		5	65			145.0	PUMP LEAD CEMENT = 145 SKS = 65 BBL @ 11.6#

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Tail Cement	03/24/2013 20:12		5	75			215.0	PUMP TAIL CEMENT = 280 SKS = 75 BBL @ 13.6#
Clean Lines	03/24/2013 20:28							STOP CLEAN LINES AND TUB
Drop Top Plug	03/24/2013 20:29							DROP TOP PLUG
Pump Displacement	03/24/2013 20:30		6	213			115.0	PUMP DISPLACEMENT OF 213 BBL OF FW
Displ Reached Cmmt	03/24/2013 20:55		6		140		250.0	DISPLACEMENT REACH CEMENT AT 140 BBL AT 250 PSI
Slow Rate	03/24/2013 21:06		3		202		212.0	SLOW RATE TO 3 BPM TO BUMP PLUG AT 202 BBL GONE
Bump Plug	03/24/2013 21:07		3		212		1100.0	BUMP PLUG AT 1100 PSI
Check Floats	03/24/2013 21:08						1375.0	FLOATS HELD GOOD, RELEASE PRESSURE AND GOT BACK 1 BBL
End Job	03/24/2013 21:14							
Pre-Rig Down Safety Meeting	03/24/2013 21:20							DISCUSSED ALL POTENTIAL HAZARDS AND PINCH POINTS WITH HES CREW
Rig-Down Equipment	03/24/2013 21:30							RIG DOWN IRON AND WATER HOSES
Rig-Down Completed	03/24/2013 22:30							RIG DOWN WENT WELL AND SAFELY
Pre-Convoy Safety Meeting	03/24/2013 23:00							DISCUSSED ALL POTENTIAL ROAD HAZARDS WITH HES CREW
Crew Leave Location	03/24/2013 23:30							THANK YOU FOR CHOOSING HALLIBURTON, FABIAN AND CREW

# **Sandridge Energy, INC.(mid-con.)**

**Finney County (KS27S)**

**Sec 07-T21S-R33W**

**Buerkle 2133 1-7H/ Job #04127-431-22/ Lariat 3**

**Wellbore #1**

**Design: Wellbore #1**

## **Standard Survey Report**

**11 March, 2013**

# Archer Survey Report

<b>Company:</b> Sandridge Energy, INC.(mid-con.)	<b>Local Co-ordinate Reference:</b> Well Buerkle 2133 1-7H/ Job #04127-431-22/ Lariat 3
<b>Project:</b> Finney County (KS27S)	<b>TVD Reference:</b> WELL @ 2940.0usft (Original Well Elev)
<b>Site:</b> Sec 07-T21S-R33W	<b>MD Reference:</b> WELL @ 2940.0usft (Original Well Elev)
<b>Well:</b> Buerkle 2133 1-7H/ Job #04127-431-22/ Lariat 3	<b>North Reference:</b> Grid
<b>Wellbore:</b> Wellbore #1	<b>Survey Calculation Method:</b> Minimum Curvature
<b>Design:</b> Wellbore #1	<b>Database:</b> EDM 5000.1 Single User Db

<b>Project</b> Finney County (KS27S)		
<b>Map System:</b> US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b> NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b> Kansas South 1502		

<b>Site</b> Sec 07-T21S-R33W		
<b>Site Position:</b>	<b>Northing:</b> 580,947.00 usft	<b>Latitude:</b> 38° 14' 9.111 N
<b>From:</b> Map	<b>Easting:</b> 1,284,018.00 usft	<b>Longitude:</b> 100° 59' 34.790 W
<b>Position Uncertainty:</b> 0.0 usft	<b>Slot Radius:</b> 13-3/16 "	<b>Grid Convergence:</b> -1.53 °

<b>Well</b> Buerkle 2133 1-7H/ Job #04127-431-22/ Lariat 3			
<b>Well Position</b>	<b>+N/-S</b> 0.0 usft	<b>Northing:</b> 585,826.22 usft	<b>Latitude:</b> 38° 14' 58.519 N
	<b>+E/-W</b> 0.0 usft	<b>Easting:</b> 1,288,531.14 usft	<b>Longitude:</b> 100° 58' 39.869 W
<b>Position Uncertainty</b>	0.0 usft	<b>Wellhead Elevation:</b> usft	<b>Ground Level:</b> 2,922.0 usft

<b>Wellbore</b> Wellbore #1					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	02/28/13	6.35	65.81	52,180

<b>Design</b> Wellbore #1					
<b>Audit Notes:</b>					
<b>Version:</b> 1.0	<b>Phase:</b> ACTUAL	<b>Tie On Depth:</b>	0.0		
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	4,730.0	0.0	0.0	181.06	

<b>Survey Program</b>		<b>Date</b> 03/11/13		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
2,086.0	4,470.0	Archer MWD Survey (Wellbore #1)	MWD	MWD - Standard

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
2,086.0	0.60	272.50	2,086.0	0.5	-10.9	-0.3	0.03	0.03	0.00
2,556.0	0.40	264.60	2,555.9	0.4	-15.0	-0.2	0.04	-0.04	-1.68
3,027.0	0.20	288.30	3,026.9	0.5	-17.4	-0.2	0.05	-0.04	5.03
3,496.0	0.20	266.90	3,495.9	0.7	-19.0	-0.4	0.02	0.00	-4.56
3,963.0	0.30	196.00	3,962.9	-0.5	-20.2	0.8	0.06	0.02	-15.18
4,345.0	0.30	165.50	4,344.9	-2.4	-20.2	2.8	0.04	0.00	-7.98
4,395.0	0.30	186.50	4,394.9	-2.7	-20.2	3.0	0.22	0.00	42.00
4,445.0	0.20	259.60	4,444.9	-2.8	-20.3	3.2	0.62	-0.20	146.20
4,460.0	0.20	202.40	4,459.9	-2.8	-20.3	3.2	1.28	0.00	-381.33

# Archer Survey Report

<b>Company:</b> Sandridge Energy, INC.(mid-con.)	<b>Local Co-ordinate Reference:</b> Well Buerkle 2133 1-7H/ Job #04127-431-22/ Lariat 3
<b>Project:</b> Finney County (KS27S)	<b>TVD Reference:</b> WELL @ 2940.0usft (Original Well Elev)
<b>Site:</b> Sec 07-T21S-R33W	<b>MD Reference:</b> WELL @ 2940.0usft (Original Well Elev)
<b>Well:</b> Buerkle 2133 1-7H/ Job #04127-431-22/ Lariat 3	<b>North Reference:</b> Grid
<b>Wellbore:</b> Wellbore #1	<b>Survey Calculation Method:</b> Minimum Curvature
<b>Design:</b> Wellbore #1	<b>Database:</b> EDM 5000.1 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
4,470.0	0.40	216.60	4,469.9	-2.9	-20.3	3.3	2.12	2.00	142.00	
<b>PBHL Buerkle 1-7H</b>										

Checked By: _____	Approved By: _____	Date: _____
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