



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1101634  
OIL & GAS CONSERVATION DIVISION

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 # \_\_\_\_\_

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 Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1101634

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
----------------	-------	---------	------------	---

Date of First, Resumed Production, SWD or ENHR.	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

<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> _____ <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
--	---	---

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Anita 3420 1-12H
Doc ID	1101634

All Electric Logs Run

5 in Measured Depth Horizontal Final
CML Impulse Shuttle Array Induction Electric Log
Boresight Depiction
CML Impulse Shuttle Compact Photo Density Dual Spaced Neutron Log

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Anita 3420 1-12H
Doc ID	1101634

#### Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	9138-9460	4190 bbls of water, 36 bbls acid, 75M lbs sand, 4226 TLTR	
5	8738-9060	4167 bbls of water, 36 bbls acid, 75M lbs sand, 8563 TLTR	
5	8339-8660	4174 bbls of water, 36 bbls acid, 75M lbs sand, 12853 TLTR	
5	7939-8261	4159 bbls of water, 36 bbls acid, 75M lbs sand, 17138 TLTR	
5	7539-7861	4139 bbls of water, 36 bbls acid, 76M lbs sand, 21399 TLTR	
5	7139-7461	4159 bbls of water, 36 bbls acid, 75M lbs sand, 25664 TLTR	
5	6739-7052	4173 bbls of water, 36 bbls acid, 75M lbs sand, 29929 TLTR	
5	6340-6661	4137 bbls of water, 36 bbls acid, 75M lbs sand, 34143 TLTR	
5	5940-6262	4268 bbls of water, 36 bbls acid, 75M lbs sand, 38481	
5	5540-5862	4111 bbls of water, 36 bbls acid, 76M lbs sand, 42643 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Anita 3420 1-12H
Doc ID	1101634

### 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	30	20	75	120	14 Sack Grout	14	none
Surface	17.5	13.37	68	305	Halliburton Extendacem and Swiftcem Systems	400	3% Calcium Chloride, .25lbm Poly-E-Flake
Intermediate	12.25	9.63	40	1000	Halliburton Extendacem and Swiftcem System	410	3% Calcium Chloride, .25 lbm Poly-E-Flake
Intermediate	8.75	7	26	5497	Halliburton Econocem and Halcem Systems	300	.4% Halad(R)-9, 2 lbm Kol-Seal, 2% Bentonite
Liner	6.12	4.5	11.6	9576	Halliburton Econocem System	475	.4% Halad(R)-9, 2 lbm Kol-Seal, 2% Bentonite

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

November 19, 2012

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

Re: ACO1  
API 15-033-21673-01-00  
Anita 3420 1-12H  
NE/4 Sec.12-34S-20W  
Comanche 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

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

**Comanche County (KS27S)**

**Sec 12-T34S-R20W**

**Anita 3420 1-12H/ Lariat 19**

**Wellbore #1**

**Design: Wellbore #1**

## **Standard Survey Report**

**15 November, 2012**

## Survey Report

<b>Company:</b> Sandridge Energy, INC.(mid-con.)	<b>Local Co-ordinate Reference:</b> Well Anita 3420 1-12H/ Lariat 19
<b>Project:</b> Comanche County (KS27S)	<b>TVD Reference:</b> WELL @ 1813.0usft (Original Well Elev)
<b>Site:</b> Sec 12-T34S-R20W	<b>MD Reference:</b> WELL @ 1813.0usft (Original Well Elev)
<b>Well:</b> Anita 3420 1-12H/ Lariat 19	<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> Comanche County (KS27S), KS South	
<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 12-T34S-R20W		
<b>Site Position:</b>	<b>Northing:</b> 155,889.00 usft	<b>Latitude:</b> 37° 5' 27.255 N
<b>From:</b> Map	<b>Easting:</b> 1,722,504.00 usft	<b>Longitude:</b> 99° 27' 4.726 W
<b>Position Uncertainty:</b> 0.0 usft	<b>Slot Radius:</b> 13-3/16 "	<b>Grid Convergence:</b> -0.58 °

<b>Well</b> Anita 3420 1-12H/ Lariat 19			
<b>Well Position</b>	<b>+N/-S</b> 0.0 usft	<b>Northing:</b> 160,934.00 usft	<b>Latitude:</b> 37° 6' 17.470 N
	<b>+E/-W</b> 0.0 usft	<b>Easting:</b> 1,725,863.00 usft	<b>Longitude:</b> 99° 26' 23.902 W
<b>Position Uncertainty</b> 0.0 usft		<b>Wellhead Elevation:</b> usft	<b>Ground Level:</b> 1,793.0 usft

<b>Wellbore</b> Wellbore #1					
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	10/23/12	5.43	65.07	51,717

<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			
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>	
	0.0	0.0	0.0	180.12	

<b>Survey Program</b>		<b>Date</b> 11/15/12		
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
250.0	978.0	Wireline Surveys (Wellbore #1)	MWD	MWD - Standard
1,111.0	9,576.0	Archer MWD Surveys (Wellbore #1)	MWD	MWD - Standard

<b>Survey</b>										
<b>Measured Depth (usft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Vertical Section (usft)</b>	<b>Dogleg Rate (°/100usft)</b>	<b>Build Rate (°/100usft)</b>	<b>Turn Rate (°/100usft)</b>	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
250.0	0.60	0.15	250.0	1.3	0.0	-1.3	0.24	0.24	0.00	
<b>First Wireline Survey</b>										
500.0	0.30	0.14	500.0	3.3	0.0	-3.3	0.12	-0.12	0.00	
750.0	0.20	0.14	750.0	4.4	0.0	-4.4	0.04	-0.04	0.00	
978.0	0.30	0.14	978.0	5.4	0.0	-5.4	0.04	0.04	0.00	
<b>Last Wireline Survey</b>										
1,111.0	0.50	4.40	1,111.0	6.3	0.1	-6.3	0.15	0.15	3.20	
<b>First Archer MWD Survey</b>										



## Survey Report

<b>Company:</b>	Sandridge Energy, INC.(mid-con.)	<b>Local Co-ordinate Reference:</b>	Well Anita 3420 1-12H/ Lariat 19
<b>Project:</b>	Comanche County (KS27S)	<b>TVD Reference:</b>	WELL @ 1813.0usft (Original Well Elev)
<b>Site:</b>	Sec 12-T34S-R20W	<b>MD Reference:</b>	WELL @ 1813.0usft (Original Well Elev)
<b>Well:</b>	Anita 3420 1-12H/ Lariat 19	<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)	
1,573.0	0.50	324.20	1,573.0	9.9	-1.0	-9.9	0.07	0.00	-8.70	
2,050.0	1.10	336.70	2,049.9	15.8	-4.0	-15.8	0.13	0.13	2.62	
2,526.0	1.00	323.70	2,525.8	23.4	-8.3	-23.3	0.05	-0.02	-2.73	
3,003.0	0.70	346.70	3,002.8	29.6	-11.4	-29.5	0.09	-0.06	4.82	
3,479.0	0.40	319.30	3,478.8	33.6	-13.1	-33.6	0.08	-0.06	-5.76	
3,861.0	0.30	251.90	3,860.8	34.3	-15.0	-34.3	0.10	-0.03	-17.64	
3,956.0	0.40	247.80	3,955.8	34.1	-15.5	-34.1	0.11	0.11	-4.32	
4,051.0	0.20	197.10	4,050.8	33.9	-15.9	-33.8	0.33	-0.21	-53.37	
4,146.0	0.20	216.40	4,145.8	33.6	-16.0	-33.5	0.07	0.00	20.32	
4,241.0	0.20	172.20	4,240.8	33.3	-16.1	-33.2	0.16	0.00	-46.53	
4,273.0	0.40	198.30	4,272.8	33.1	-16.1	-33.1	0.74	0.63	81.56	
4,305.0	1.20	168.70	4,304.7	32.7	-16.1	-32.6	2.73	2.50	-92.50	
4,337.0	3.00	163.30	4,336.7	31.5	-15.8	-31.5	5.65	5.63	-16.88	
4,369.0	5.00	162.50	4,368.6	29.4	-15.1	-29.4	6.25	6.25	-2.50	
4,401.0	6.90	163.90	4,400.5	26.2	-14.2	-26.2	5.95	5.94	4.38	
4,432.0	9.20	160.90	4,431.2	22.1	-12.8	-22.1	7.54	7.42	-9.68	
4,464.0	11.70	162.90	4,462.6	16.6	-11.0	-16.6	7.89	7.81	6.25	
4,496.0	13.80	165.20	4,493.8	9.8	-9.1	-9.8	6.75	6.56	7.19	
4,528.0	15.80	167.00	4,524.8	1.9	-7.2	-1.8	6.41	6.25	5.63	
4,560.0	17.80	166.90	4,555.4	-7.2	-5.1	7.2	6.25	6.25	-0.31	
4,591.0	18.70	168.90	4,584.9	-16.6	-3.0	16.7	3.54	2.90	6.45	
4,623.0	19.70	170.30	4,615.1	-27.0	-1.1	27.0	3.44	3.13	4.38	
4,655.0	21.80	169.90	4,645.0	-38.2	0.8	38.2	6.58	6.56	-1.25	
4,687.0	24.20	170.80	4,674.4	-50.5	2.9	50.5	7.58	7.50	2.81	
4,718.0	26.60	171.20	4,702.4	-63.6	5.0	63.6	7.76	7.74	1.29	
4,750.0	28.50	173.40	4,730.8	-78.3	6.9	78.3	6.73	5.94	6.88	
4,782.0	30.30	174.80	4,758.7	-93.9	8.6	93.9	6.02	5.63	4.38	
4,813.0	32.50	176.10	4,785.2	-110.0	9.8	110.0	7.43	7.10	4.19	
4,845.0	34.60	176.30	4,811.8	-127.7	11.0	127.6	6.57	6.56	0.63	
4,877.0	36.00	175.40	4,837.9	-146.1	12.3	146.1	4.67	4.38	-2.81	
4,909.0	38.40	175.40	4,863.4	-165.4	13.9	165.4	7.50	7.50	0.00	
4,941.0	40.60	176.50	4,888.1	-185.7	15.3	185.7	7.21	6.88	3.44	
4,972.0	43.30	177.80	4,911.2	-206.4	16.3	206.3	9.15	8.71	4.19	
5,004.0	46.60	178.20	4,933.8	-229.0	17.1	228.9	10.35	10.31	1.25	
5,036.0	48.90	178.60	4,955.3	-252.6	17.8	252.6	7.25	7.19	1.25	
5,068.0	50.10	179.30	4,976.1	-277.0	18.2	276.9	4.10	3.75	2.19	
5,099.0	50.40	179.30	4,995.9	-300.8	18.5	300.8	0.97	0.97	0.00	
5,131.0	50.80	178.60	5,016.2	-325.5	19.0	325.5	2.10	1.25	-2.19	
5,163.0	50.90	179.00	5,036.5	-350.3	19.5	350.3	1.02	0.31	1.25	
5,194.0	50.90	178.80	5,056.0	-374.4	20.0	374.3	0.50	0.00	-0.65	
5,226.0	50.90	178.90	5,076.2	-399.2	20.5	399.2	0.24	0.00	0.31	
5,258.0	51.20	178.50	5,096.3	-424.1	21.0	424.1	1.35	0.94	-1.25	
5,290.0	53.30	179.70	5,115.9	-449.4	21.4	449.4	7.20	6.56	3.75	
5,322.0	56.20	181.10	5,134.4	-475.5	21.2	475.5	9.74	9.06	4.38	

## Survey Report

<b>Company:</b>	Sandridge Energy, INC.(mid-con.)	<b>Local Co-ordinate Reference:</b>	Well Anita 3420 1-12H/ Lariat 19
<b>Project:</b>	Comanche County (KS27S)	<b>TVD Reference:</b>	WELL @ 1813.0usft (Original Well Elev)
<b>Site:</b>	Sec 12-T34S-R20W	<b>MD Reference:</b>	WELL @ 1813.0usft (Original Well Elev)
<b>Well:</b>	Anita 3420 1-12H/ Lariat 19	<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)
5,353.0	59.20	181.70	5,150.9	-501.7	20.6	501.7	9.81	9.68	1.94
5,385.0	61.40	181.40	5,166.8	-529.5	19.8	529.5	6.92	6.88	-0.94
5,417.0	65.10	181.60	5,181.2	-558.1	19.1	558.0	11.58	11.56	0.63
5,449.0	69.20	181.50	5,193.6	-587.5	18.3	587.5	12.82	12.81	-0.31
5,480.0	73.20	181.60	5,203.6	-616.9	17.5	616.8	12.91	12.90	0.32
5,504.0	75.90	180.70	5,210.0	-640.0	17.0	640.0	11.82	11.25	-3.75
5,535.0	77.50	180.50	5,217.1	-670.2	16.7	670.1	5.20	5.16	-0.65
5,566.0	79.80	181.40	5,223.2	-700.5	16.2	700.5	7.95	7.42	2.90
5,597.0	82.70	181.40	5,227.9	-731.2	15.5	731.1	9.35	9.35	0.00
5,628.0	84.80	181.40	5,231.3	-762.0	14.7	761.9	6.77	6.77	0.00
5,658.0	86.20	180.90	5,233.7	-791.9	14.1	791.8	4.95	4.67	-1.67
5,689.0	85.80	180.70	5,235.8	-822.8	13.7	822.8	1.44	-1.29	-0.65
5,720.0	86.90	180.90	5,237.8	-853.7	13.3	853.7	3.61	3.55	0.65
5,751.0	88.40	181.00	5,239.1	-884.7	12.7	884.7	4.85	4.84	0.32
5,781.0	89.20	181.30	5,239.7	-914.7	12.1	914.7	2.85	2.67	1.00
5,812.0	88.60	181.40	5,240.3	-945.7	11.4	945.6	1.96	-1.94	0.32
5,843.0	88.30	181.40	5,241.1	-976.6	10.7	976.6	0.97	-0.97	0.00
5,873.0	89.60	181.30	5,241.7	-1,006.6	9.9	1,006.6	4.35	4.33	-0.33
5,904.0	92.10	182.10	5,241.2	-1,037.6	9.0	1,037.6	8.47	8.06	2.58
5,935.0	92.70	182.00	5,239.9	-1,068.6	7.9	1,068.5	1.96	1.94	-0.32
5,997.0	91.30	181.10	5,237.8	-1,130.5	6.2	1,130.5	2.68	-2.26	-1.45
6,027.0	91.00	180.90	5,237.1	-1,160.5	5.7	1,160.5	1.20	-1.00	-0.67
6,089.0	90.10	180.50	5,236.6	-1,222.5	5.0	1,222.5	1.59	-1.45	-0.65
6,120.0	89.70	180.20	5,236.6	-1,253.5	4.8	1,253.5	1.61	-1.29	-0.97
6,212.0	90.20	180.30	5,236.7	-1,345.5	4.4	1,345.5	0.55	0.54	0.11
6,303.0	91.30	180.30	5,235.5	-1,436.5	3.9	1,436.5	1.21	1.21	0.00
6,396.0	91.30	180.60	5,233.4	-1,529.4	3.2	1,529.4	0.32	0.00	0.32
6,487.0	91.20	180.60	5,231.4	-1,620.4	2.2	1,620.4	0.11	-0.11	0.00
6,579.0	90.20	180.70	5,230.3	-1,712.4	1.2	1,712.4	1.09	-1.09	0.11
6,670.0	89.60	180.30	5,230.4	-1,803.4	0.4	1,803.4	0.79	-0.66	-0.44
6,762.0	90.30	180.30	5,230.5	-1,895.4	-0.1	1,895.4	0.76	0.76	0.00
6,854.0	92.40	179.90	5,228.4	-1,987.4	-0.3	1,987.4	2.32	2.28	-0.43
6,946.0	92.70	179.90	5,224.3	-2,079.3	-0.1	2,079.3	0.33	0.33	0.00
7,039.0	92.90	179.80	5,219.7	-2,172.2	0.1	2,172.2	0.24	0.22	-0.11
7,069.0	93.10	179.60	5,218.1	-2,202.1	0.3	2,202.1	0.94	0.67	-0.67
7,100.0	92.80	179.90	5,216.5	-2,233.1	0.4	2,233.1	1.37	-0.97	0.97
7,131.0	92.30	180.10	5,215.2	-2,264.1	0.4	2,264.0	1.74	-1.61	0.65
7,155.0	92.70	180.50	5,214.1	-2,288.0	0.3	2,288.0	2.36	1.67	1.67
7,187.0	92.80	180.50	5,212.6	-2,320.0	0.0	2,320.0	0.31	0.31	0.00
7,219.0	91.10	181.90	5,211.5	-2,352.0	-0.6	2,352.0	6.88	-5.31	4.38
7,251.0	90.40	182.10	5,211.1	-2,383.9	-1.8	2,383.9	2.28	-2.19	0.63
7,283.0	89.70	182.10	5,211.1	-2,415.9	-2.9	2,415.9	2.19	-2.19	0.00
7,315.0	90.10	182.10	5,211.1	-2,447.9	-4.1	2,447.9	1.25	1.25	0.00

## Survey Report

<b>Company:</b>	Sandridge Energy, INC.(mid-con.)	<b>Local Co-ordinate Reference:</b>	Well Anita 3420 1-12H/ Lariat 19
<b>Project:</b>	Comanche County (KS27S)	<b>TVD Reference:</b>	WELL @ 1813.0usft (Original Well Elev)
<b>Site:</b>	Sec 12-T34S-R20W	<b>MD Reference:</b>	WELL @ 1813.0usft (Original Well Elev)
<b>Well:</b>	Anita 3420 1-12H/ Lariat 19	<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)
7,347.0	90.30	182.30	5,211.0	-2,479.9	-5.3	2,479.9	0.88	0.63	0.63
7,379.0	88.20	180.70	5,211.4	-2,511.9	-6.2	2,511.9	8.25	-6.56	-5.00
7,411.0	87.60	180.10	5,212.6	-2,543.8	-6.4	2,543.8	2.65	-1.88	-1.88
7,443.0	87.70	180.40	5,213.9	-2,575.8	-6.5	2,575.8	0.99	0.31	0.94
7,475.0	88.30	180.40	5,215.0	-2,607.8	-6.8	2,607.8	1.88	1.88	0.00
7,538.0	89.40	181.50	5,216.3	-2,670.8	-7.8	2,670.8	2.47	1.75	1.75
7,602.0	88.40	180.50	5,217.5	-2,734.7	-8.9	2,734.8	2.21	-1.56	-1.56
7,634.0	88.40	180.00	5,218.4	-2,766.7	-9.1	2,766.7	1.56	0.00	-1.56
7,698.0	88.40	179.70	5,220.2	-2,830.7	-8.9	2,830.7	0.47	0.00	-0.47
7,730.0	88.20	179.40	5,221.1	-2,862.7	-8.6	2,862.7	1.13	-0.63	-0.94
7,794.0	88.40	179.60	5,223.0	-2,926.7	-8.1	2,926.7	0.44	0.31	0.31
7,825.0	88.30	179.60	5,223.9	-2,957.6	-7.9	2,957.7	0.32	-0.32	0.00
7,889.0	86.50	179.60	5,226.8	-3,021.6	-7.4	3,021.6	2.81	-2.81	0.00
7,921.0	86.80	179.50	5,228.7	-3,053.5	-7.2	3,053.5	0.99	0.94	-0.31
7,953.0	88.30	181.00	5,230.1	-3,085.5	-7.3	3,085.5	6.63	4.69	4.69
8,017.0	88.70	180.70	5,231.7	-3,149.5	-8.3	3,149.5	0.78	0.63	-0.47
8,081.0	88.80	180.70	5,233.1	-3,213.4	-9.0	3,213.4	0.16	0.16	0.00
8,113.0	89.10	180.90	5,233.7	-3,245.4	-9.5	3,245.4	1.13	0.94	0.63
8,176.0	88.80	180.60	5,234.9	-3,308.4	-10.3	3,308.4	0.67	-0.48	-0.48
8,208.0	89.40	180.50	5,235.4	-3,340.4	-10.6	3,340.4	1.90	1.88	-0.31
8,272.0	89.50	180.00	5,236.0	-3,404.4	-10.9	3,404.4	0.80	0.16	-0.78
8,304.0	89.50	180.00	5,236.3	-3,436.4	-10.9	3,436.4	0.00	0.00	0.00
8,400.0	88.90	180.10	5,237.6	-3,532.4	-11.0	3,532.4	0.63	-0.63	0.10
8,495.0	87.90	179.90	5,240.3	-3,627.4	-11.0	3,627.4	1.07	-1.05	-0.21
8,591.0	87.00	179.40	5,244.5	-3,723.3	-10.4	3,723.3	1.07	-0.94	-0.52
8,655.0	87.80	179.30	5,247.4	-3,787.2	-9.7	3,787.2	1.26	1.25	-0.16
8,687.0	89.60	179.30	5,248.2	-3,819.2	-9.3	3,819.2	5.63	5.63	0.00
8,750.0	92.30	179.60	5,247.1	-3,882.2	-8.7	3,882.2	4.31	4.29	0.48
8,782.0	91.30	179.20	5,246.1	-3,914.1	-8.3	3,914.1	3.37	-3.13	-1.25
8,846.0	90.70	178.50	5,245.0	-3,978.1	-7.1	3,978.1	1.44	-0.94	-1.09
8,878.0	91.30	178.70	5,244.4	-4,010.1	-6.3	4,010.1	1.98	1.88	0.63
8,942.0	90.90	178.30	5,243.2	-4,074.1	-4.6	4,074.1	0.88	-0.63	-0.63
8,974.0	91.20	178.50	5,242.6	-4,106.0	-3.7	4,106.0	1.13	0.94	0.63
9,038.0	89.30	178.50	5,242.4	-4,170.0	-2.0	4,170.0	2.97	-2.97	0.00
9,101.0	89.20	179.00	5,243.2	-4,233.0	-0.7	4,233.0	0.81	-0.16	0.79
9,133.0	90.50	179.10	5,243.3	-4,265.0	-0.1	4,265.0	4.07	4.06	0.31
9,165.0	90.40	178.90	5,243.0	-4,297.0	0.4	4,297.0	0.70	-0.31	-0.63
9,261.0	93.10	180.20	5,240.1	-4,392.9	1.2	4,392.9	3.12	2.81	1.35
9,325.0	89.40	179.30	5,238.7	-4,456.9	1.5	4,456.9	5.95	-5.78	-1.41
9,357.0	89.40	179.10	5,239.0	-4,488.9	1.9	4,488.9	0.62	0.00	-0.63
9,421.0	89.30	178.50	5,239.7	-4,552.9	3.3	4,552.9	0.95	-0.16	-0.94
9,452.0	89.90	177.90	5,240.0	-4,583.9	4.2	4,583.8	2.74	1.94	-1.94
9,523.0	88.90	177.70	5,240.7	-4,654.8	6.9	4,654.8	1.44	-1.41	-0.28

## Survey Report

<b>Company:</b>	Sandridge Energy, INC.(mid-con.)	<b>Local Co-ordinate Reference:</b>	Well Anita 3420 1-12H/ Lariat 19
<b>Project:</b>	Comanche County (KS27S)	<b>TVD Reference:</b>	WELL @ 1813.0usft (Original Well Elev)
<b>Site:</b>	Sec 12-T34S-R20W	<b>MD Reference:</b>	WELL @ 1813.0usft (Original Well Elev)
<b>Well:</b>	Anita 3420 1-12H/ Lariat 19	<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)
<b>Last Archer MWD Survey</b>									
9,576.0	88.90	177.70	5,241.7	-4,707.8	9.1	4,707.7	0.00	0.00	0.00
<b>Projection to TD - PBHL Anita 1-12H</b>									

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
250.0	250.0	1.3	0.0	First Wireline Survey	
978.0	978.0	5.4	0.0	Last Wireline Survey	
1,111.0	1,111.0	6.3	0.1	First Archer MWD Survey	
9,523.0	5,240.7	-4,654.8	6.9	Last Archer MWD Survey	
9,576.0	5,241.7	-4,707.8	9.1	Projection to TD	

Checked By: _____	Approved By: _____	Date: _____
-------------------	--------------------	-------------



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 : 3061  
Delivery Date : 11/5/2012  
Office : 12/1/1901

Ordered By :  
Lease/Well : ANITA 3420 #1-12H  
Rig Name/Number : LARIATE 19  
AFE Number :  
Site Contact :  
:  
:  
:

Qty	Description	Min / Standby / Usage Charge	Add Day	Unit Price	Start Date / Stop Date	Extended Line Total
1	ANITA 3420 #1-12H	\$24,575.00	\$0.00	\$24,575.00	10/25/2012 10/25/2012	\$24,575.00
120	DRILLED 30" CONDUCTOR HOLE	\$0.00	\$0.00	\$0.00	10/25/2012 10/25/2012	
120	20" CONDUCTOR PIPE (.250 WALL)	\$0.00	\$0.00	\$0.00	10/25/2012 10/25/2012	
1	6'X6' CELLAR TINHORN WITH PROTECTIVE RING	\$0.00	\$0.00	\$0.00	10/25/2012 10/25/2012	
1	DRILL & INSTALL 6'X6' CELLAR TINHORN	\$0.00	\$0.00	\$0.00	10/25/2012 10/25/2012	
75	DRILLED 20" MOUSE HOLE (PER FOOT)	\$0.00	\$0.00	\$0.00	10/25/2012 10/25/2012	
75	16" CONDUCTOR PIPE (.250 WALL)	\$0.00	\$0.00	\$0.00	10/25/2012 10/25/2012	
1	MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE	\$0.00	\$0.00	\$0.00	10/25/2012 10/25/2012	
1	WELDING SERVICES FOR PIPE & LIDS	\$0.00	\$0.00	\$0.00	10/25/2012 10/25/2012	
1	PROVIDED EQUIPMENT & LABOR FOR DIRT REMOVAL	\$0.00	\$0.00	\$0.00	10/25/2012 10/25/2012	
1	PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR THE MOUSEHOLE PIPE)	\$0.00	\$0.00	\$0.00	10/25/2012 10/25/2012	
14	CEMENT 14 SACK GROUT	\$0.00	\$0.00	\$0.00	10/25/2012 10/25/2012	
1	8' HAY FEEDER	\$0.00	\$0.00	\$0.00	10/25/2012 10/25/2012	
Sub Total:		\$24,575.00	\$0.00			\$24,575.00

Print Name

Signature

# HALLIBURTON

# Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2960756	Quote #:	Sales Order #: 9928215
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Towery, Mark	
Well Name: Anita 3420	Well #: 1-12H	API/UWI #: 15-033-21673	
Field:	City (SAP): COLDWATER	County/Parish: Comanche	State: Kansas
Legal Description: Section 12 Township 34S Range 20W			
Contractor: LARIAT		Rig/Platform Name/Num: 19	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: NGUYEN, VINH		Srvc Supervisor: CHRISTENSEN, STUART	MBU ID Emp #: 476488

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CHRISTENSEN, STUART	12	476488	MENDOZA, VICTOR	12	442596	NASH, JONATHAN Clark	12	524600
REDFEARN, BRADY Tanner	12	497317						

### 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
10/30/2012	2	0	10/31/2012	8.5	3			
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
			On Location	30 - Oct - 2012	16:30	CST
Form Type	BHST		Job Started	30 - Oct - 2012	22:00	CST
Job depth MD	328. ft	Job Depth TVD	Job Completed	31 - Oct - 2012	06:15	CST
Water Depth		Wk Ht Above Floor	Job Completed	31 - Oct - 2012	07:15	CST
Perforation Depth (MD) From		To	Departed Loc	31 - Oct - 2012	08:30	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
17.5" Open Hole				17.5				.	300.		
13.375" Surface Casing	Unknown		13.375	12.415	68.		J-55	.	300.		

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

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG, TOP, 13 3/8, HWE, 11.79 MIN/12.72	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
-----------------

# HALLIBURTON

## Cementing Job Summary

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)	100.0	sacks	12.4	2.12	11.68		11.68
	3 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	11.676 Gal	FRESH WATER							
3	Tail Cement	SWIFTCEM (TM) SYSTEM (452990)	300.0	sacks	15.6	1.2	5.32		5.32
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.125 lbm	POLY-E-FLAKE (101216940)							
	5.319 Gal	FRESH WATER							
4	Displacement		43.00	bbl	8.33	.0	.0	.0	
<b>Calculated Values</b>		<b>Pressures</b>			<b>Volumes</b>				
Displacement	43	Shut In: Instant		Lost Returns	0	Cement Slurry	102	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	30	Actual Displacement	43	Treatment	
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job	
<b>Rates</b>									
Circulating	5	Mixing	4	Displacement	5	Avg. Job	5		
Cement Left In Pipe	Amount	37.7 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					

# HALLIBURTON

# Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2960756	Quote #:	Sales Order #: 9929015
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Towery, Mark	
Well Name: Anita 3420	Well #: 1-12H	API/UWI #: 15-033-21673	
Field:	City (SAP): COLDWATER	County/Parish: Comanche	State: Kansas
Legal Description: Section 12 Township 34S Range 20W			
Contractor: LARIAT		Rig/Platform Name/Num: 19	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: NGUYEN, VINH		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 #
CARRILLO, EDUARDO Carrillo	15.8	371263	LOPEZ, CRISTIAN Adrian	15.8	488085	MENDOZA, VICTOR	15.8	442596
NASH, JONATHAN Clark	15.8	524600	THOMPSON, RAYLAND Heath	15.8	476826			

### 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
11/1/12	16	1.5						

TOTAL Total is the sum of each column separately

Job				Job Times			
Formation Name	Formation Depth (MD) Top	Bottom		Date	Time	Time Zone	
				Called Out	31 - Oct - 2012	19:15	CST
Form Type		BHST		On Location	01 - Nov - 2012	02:00	CST
Job depth MD	1006. ft	Job Depth TVD	1000. ft	Job Started	01 - Nov - 2012	14:47	CST
Water Depth		Wk Ht Above Floor	6. ft	Job Completed	01 - Nov - 2012	15:40	CST
Perforation Depth (MD) From		To		Departed Loc	01 - Nov - 2012	17:45	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				300.	700.		
12.25" Open Hole- Lower				12.25				700.	1000.		
13.375" Surface Casing	Unknown		13.375	12.415	68.		J-55	.	300.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	1000.		

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

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG, TOP, 9 5/8, HWE, 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	9 5/8	1	HWE
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	
<b>Fluid Data</b>													
<b>Stage/Plug #: 1</b>													
Fluid #	Stage Type	Fluid Name			Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk		
1	Fresh Water				85	bbl	8.33	.0	.0	.0			
2	Lead Cement	EXTENDACEM (TM) SYSTEM (452981)			225	sacks	12.4	2.12	11.68	5	11.68		
	3 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)						85 BBL					
	0.25 lbm	POLY-E-FLAKE (101216940)											
	11.676 Gal	FRESH WATER											
3	Tail Cement	SWIFTCEM (TM) SYSTEM (452990)			185	sacks	15.6	1.2	5.32	5	5.32		
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)						40 BBL					
	0.125 lbm	POLY-E-FLAKE (101216940)											
	5.319 Gal	FRESH WATER											
4	Displacement				74	bbl	8.33	.0	.0	.0			
<b>Calculated Values</b>				<b>Pressures</b>				<b>Volumes</b>					
Displacement	74	Shut In: Instant			Lost Returns	NO	Cement Slurry		125	Pad			
Top Of Cement	SURFACE	5 Min			Cement Returns	25	Actual Displacement		74	Treatment			
Frac Gradient		15 Min			Spacers	10	Load and Breakdown			Total Job			
<b>Rates</b>													
Circulating	5	Mixing		5	Displacement	5.5	Avg. Job		5				
Cement Left In Pipe	Amount	45 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

Sold To #: 305021	Ship To #: 2960756	Quote #:	Sales Order #: 9947689
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Towery, Mark	
Well Name: Anita 3420	Well #: 1-12H	API/UWI #: 15-033-21673	
Field:	City (SAP): COLDWATER	County/Parish: Comanche	State: Kansas
Legal Description: Section 12 Township 34S Range 20W			
Contractor: Lariat		Rig/Platform Name/Num: 19	
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: NGUYEN, VINH		Srvc Supervisor: WADE, STEPHEN	MBU ID Emp #: 490458

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CHURCH, ERICK D	9.5	532590	MENDOZA, VICTOR	9.5	442596	WADE, STEPHEN Bruce	9.5	490458
WIFA, HENRY Neniebari	9.5	491916						

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10243558	100 mile	10286731	100 mile	11138994	100 mile	11149169	100 mile
11804860	100 mile						

### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
11/7/2012	9.5	3						
<b>TOTAL</b>			<i>Total is the sum of each column separately</i>					

### Job

### Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
				On Location	07 - Nov - 2012	01:00	CST
Form Type			BHST	On Location	07 - Nov - 2012	07:30	CST
Job depth MD	5531. ft		Job Depth TVD	Job Started	07 - Nov - 2012	13:40	CST
Water Depth			Wk Ht Above Floor	Job Completed	07 - Nov - 2012	14:56	CST
Perforation Depth (MD)	From		To	Departed Loc	07 - Nov - 2012	17:00	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
8.75" Open Hole				8.75				1000.	5658.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5658.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	1000.		

### 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 Spacer		30.00	bbl	8.33	.0	.0	.0	
2	Lead Cement	ECONOCEM (TM) SYSTEM (452992)	200.0	sacks	13.6	1.53	7.32		7.32
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	2 %	BENTONITE, BULK (100003682)							
	7.321 Gal	FRESH WATER							
3	Tail Cement	HALCEM (TM) SYSTEM (452986)	100.0	sacks	15.6	1.19	5.08		5.08
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	5.076 Gal	FRESH WATER							
4	Displacement		214.00	bbl	8.33	.0	.0	.0	
Calculated Values		Pressures		Volumes					
Displacement	107.1	Shut In: Instant		Lost Returns		Cement Slurry	75	Pad	
Top Of Cement	2672.76	5 Min		Cement Returns	0	Actual Displacement	201	Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe	Amount	42 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					

# HALLIBURTON

# Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2960756	Quote #:	Sales Order #: 900008328
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Towery, Mark	
Well Name: Anita 3420	Well #: 1-12H	API/UWI #: 15-033-21673	
Field:	City (SAP): COLDWATER	County/Parish: Comanche	State: Kansas
Legal Description: Section 12 Township 34S Range 20W			
Contractor: Lariat		Rig/Platform Name/Num: 19	
Job Purpose: Cement Production Liner			
Well Type: Development Well		Job Type: Cement Production Liner	
Sales Person: NGUYEN, VINH		Srvc Supervisor: MARINIS, JOHN	MBU ID Emp #: 409385

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
LANGLEY, HIRAM J	0.0	532099	MARINIS, JOHN	0.0	409385	REEVES, SCOTT L	0.0	518947
SMITH, MARK A	0.0	493693						

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10242380	100 mile	10249493	100 mile	10261039	100 mile	10774553	100 mile
10994449	100 mile	11697802	100 mile	11808735	100 mile	11812057	100 mile

### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
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
					16 - Nov - 2012	12:00	CST
Form Type			BHST	On Location	16 - Nov - 2012	19:30	CST
Job depth MD	9598. ft		Job Depth TVD	9598. ft	Job Started	16 - Nov - 2012	22:03
Water Depth			Wk Ht Above Floor	25. ft	Job Completed	16 - Nov - 2012	23:16
Perforation Depth (MD)	From		To		Departed Loc	17 - Nov - 2012	01:00

### 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
6.125" Open Hole				6.125				5658.	9598.		
4.5" Production Liner	Unknown		4.5	4.	11.6	LTC	P-110	5259.	9598.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5658.		
4" Drill Pipe	Unknown		4.	3.34	14.	Unknown		.	5259.		

### 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

# HALLIBURTON

## Cementing Job Summary

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 Spacer		30.00	bbl	8.5	.0	.0	.0	
2	Primary Cement	ECONOCEM (TM) SYSTEM (452992)	475.0	sacks	13.6	1.53	7.24		7.24
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	2 %	BENTONITE, BULK (100003682)							
	7.24 Gal	FRESH WATER							
3	Displacement		96.00	bbl	8.33	.0	.0	.0	
<b>Calculated Values</b>		<b>Pressures</b>			<b>Volumes</b>				
Displacement	96.5	Shut In: Instant		Lost Returns	0	Cement Slurry	129	Pad	
Top Of Cement		5 Min		Cement Returns	0	Actual Displacement	96.5	Treatment	
Frac Gradient		15 Min		Spacers	30	Load and Breakdown		Total Job	
<b>Rates</b>									
Circulating	7	Mixing	6	Displacement	5	Avg. Job	5		
Cement Left In Pipe	Amount	80 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					

Section 1  
34S 20W

Section 6  
34S 19W

SALLY 3420 1-12H

ANITA 3420 1-12H

Miss Entry: 5363'  
-99.440278 37.103501

Top Perf: 5540'  
-99.440286 37.103038

Section 12  
34S 20W

Section 7  
34S 19W

Bottom Perf: 9138'  
-99.440219 37.093165

BHL: 9576'  
-99.440172 37.091949

390' FSL

1954' FEL

Section 13  
34S 20W

Section 18  
34S 19W



Actual Bottom-Hole Location of Anita 3420 1-12H  
Comanche County, Kansas  
T&R: 34S 20W  
Section: 12, 1954' FEL & 390' FSL  
Long/Lat:-99.440172 37.091949  
1 in = 667 ft

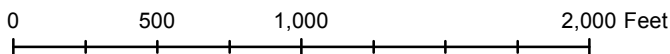


● Actual BH Location

\* SandRidge Wells

--- Perf

□ Sections



Draftsman:

Aaron Birk

Draft Date: 2/13/2013

Drawing Name/Number:

Addendum\_Anita\_1-12H .mxd

Coordinate System:

NAD 1927 State Plane  
Kansas South FIPS: 1502

## Remarks

---

Tiffany Golay 02/18/013 07:26 am	Frac Disclosure uploaded to FracFocus
---	---------------------------------------

Tiffany Golay 02/18/013 07:23 am	TVD= 5,242'
---	-------------

Tiffany Golay 02/01/013 01:45 pm	A dewatering system was used on this well. 2320 bbls of fresh water were taken to the Tia 3319 1-26H reserve Pit. 26-33S-19W, Comanche, KS
---	--