



Confidentiality Requested:

Yes  No

**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: \_\_\_\_\_

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
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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				

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> _____ <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	Bleumer 2629 1-19H
Doc ID	1155271

#### Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	8983-9230	5708 bbls water, 36 bbls acid, 100M lbs sd, 5744 TLTR	
6	8640-8905	5303 bbls water, 36 bbls acid, 100M lbs sd, 11225 TLTR	
6	8216-8460	5284 bbls water, 36 bbls acid, 100M lbs sd, 16632 TLTR	
6	7866-8121	5357 bbls water, 36 bbls acid, 96M lbs sd, 22205 TLTR	
6	7468-7753	5415 bbls water, 36 bbls acid, 100M lbs sd, 27703 TLTR	
6	7142-7360	5234 bbls water, 36 bbls acid, 99M lbs sd, 33092 TLTR	
6	6731-6983	5234 bbls water, 36 bbls acid, 99M lbs sd, 38401 TLTR	
6	6350-6643	2337 bbls water, 36 bbls acid, 50M lbs sd, 40774 TLTR	
6	5900-6213	5090 bbls water, 36 bbls acid, 99M lbs sd, 45900 TLTR	
6	5530-5775	5112 bbls water, 36 bbls acid, 100M lbs sd, 51360 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
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Doc ID	1155271

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	5095-5358	2444 bbls water, 36 bbls acid, 50M lbs sd, 53528 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
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Doc ID	1155271

### 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	105	Mid-Continent Conductor 8 sack grout	10	none
Surface	12.25	9.63	36	908	Halliburton Light Standard/ Standard	440	3% Calcium Chloride, .25lbm Poly-E-Flake
Intermediate	8.75	7	26	5458	Halliburton Econocem and Extendacem System	585	.4% Halad(R)-9, 2 lbm Kol-Seal, 2% Bentonite
Production	6.12	4.5	11.6	9351	Halliburton Econocem System	450	.4% Halad(R)-9, 2 lbm Kol-Seal, 2% Bentonite

# SHAMROCK GAS ANALYSIS

LABORATORY REFERENCE NUMBER : H24441.Q03734

**SANDRIDGE ENERGY, INC.**

ID: **KS03R0044**  
 AREA: **KANSAS**  
 METER: **BLEUMER 1-19H**  
 LEASE: **BLEUMER 1-19H**  
 OPERATOR: **SANDRIDGE**  
 STATION: **KS03R0044**  
 SAMPLE DATE: **6/26/2012**  
 SAMPLE OF: **GAS**

LINE PRESSURE: **66.22 PSI**  
 LINE TEMPERATURE: **111.95 F**  
 CYLINDER NUMBER: **7876**  
 EFFECTIVE DATE: **6/1/2012**  
 SAMPLED BY: **KYLE**  
 ANALYZED BY: **BRENNAN**  
 ANALYZED DATE: **6/28/2012**  
 SAMPLE TYPE: **SPOT**

**For: SANDRIDGE ENERGY, INC.**  
**Attn: JULIE COSTELLO**  
**123 ROBERT S. KERR AVENUE**  
**OKLAHOMA CITY, OK 73102-6406**

Physical Properties per GPA 2145-09

Calculations per GPA 2172-09

Note: Zero = Less than detection limit

	MOL%	GPM @ 14.696
HYDROGEN	0.007	0.001
HELIUM	0.126	0.013
HYDROGEN SULFIDE	0.000	0.000
NITROGEN	38.103	4.184
CARBON DIOXIDE	2.255	0.384
METHANE	32.137	5.438
ETHANE	9.338	2.493
PROPANE	10.019	2.755
ISOBUTANE	1.844	0.602
N-BUTANE	3.253	1.024
ISOPENTANE	0.761	0.278
N-PENTANE	0.821	0.297
HEXANES PLUS	1.336	0.595
	100.000	18.064

<b>BTU</b>	Vol. Ideal	Vol. Real
	Gas Fuel	Gas Fuel
BTU @ 14.65 PSIA ( DRY )	1038.7	1042.6
BTU @ 14.65 PSIA ( SAT. )	1020.5	1024.8
Specific Gravity	1.0164	1.0199
Compressibility ( Z )	0.9962	

Gasoline Content ( Gallons Per Thousand - GPM )

Ethane & Heavier	8.044
Propane & Heavier	5.551
Butane & Heavier	2.796
Pentane & Heavier	1.170
Total 26 psi Reid V.P. Gasoline GPM	1.791

**Secondary BTU Psia Base**

BTU @ 14.73 PSIA ( DRY )	1044.3
BTU @ 14.73 PSIA ( SAT. )	1026.1
Compressibility ( Z ) at 14.73 =	0.9962

Vol. IDEAL	Vol. Real
Gas Fuel	Gas Fuel
1044.3	1048.3
1026.1	1030.4

**Remarks:** Field H2S ppm = 3    FIELD CO2: 2.0 PPM    FIRST FLOW FLARE ONLY    NO PREVIOUS BTU AVAILABLE  
**Remarks:** RUSH SAMPLE    47-36-17 HEXANES SPLIT AS PER K. HARPER 05/02/11

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**Remarks:** RUSH SAMPLE    47-36-17 HEXANES SPLIT AS PER K. HARPER 05/02/11



# Mid-Continent Conductor, LLC

## Invoice

P.O. Box 1570  
Woodward, OK 73802  
Phone: (580)254-5400  
Fax: (580)254-3242

Date	Invoice #
5/8/2012	1315

Bill To
SandRidge Energy, Inc. Attn: Purchasing Mgr. 123 Robert S. Kerr Avenue Oklahoma City, OK. 73102

Ordered By	Terms	Date of Service	Lease Name/Legal Desc.	Drilling Rig
John Fortune	Net 45	5/8/2012	Bleumer 1-19H, Gray Cnty, KS	Lariat 3

Item	Quantity	Description	
Conductor Hole	105	Drilled 105ft. conductor hole.	
20" Pipe	105	Furnished 105 ft. of 20 inch conductor pipe.	
Mouse Hole	80	Drilled 80 ft. mouse hole.	
16" Pipe	80	Furnished 80 ft. of 16 inch mouse hole pipe.	
Cellar Hole	1	Drilled 6x6 cellar hole.	
6' X 6' Tinhorn	1	Furnished and set 6x6 tinhorn.	
Mud and Water	1	Furnished mud and water.	
Mud, Water, & Trucking	1	Transport mud and water to location.	
Grout & Trucking	10	Furnished 10 yards of grout and trucking to location.	
Grout Pump	1	Furnished grout pump.	
Welder & Materials	1	Furnished welder and materials.	
Dirt Removal	1	Labor and Equip. for dirt removal.	
Cover Plate	1	Furnished cover plates.	
Permits	1	Permits	
		<b>Subtotal</b>	\$25,900.00
		<b>Sales Tax (0.0%)</b>	\$0.00
		<b>Total</b>	<b>\$25,900.00</b>

# HALLIBURTON

# Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2926912	Quote #:	Sales Order #: 9510982
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Ivey, Ronnie	
Well Name: Bleumer	Well #: 1-19H	API/UWI #:	
Field:	City (SAP): INGALLS	County/Parish: Gray	State: Kansas
Legal Description: Section 19 Township 26S Range 29W			
Contractor: Lariat		Rig/Platform Name/Num: 3	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: NGUYEN, VINH		Srcv Supervisor: RALSTON, ANTHONY MBU ID Emp #: 448065	

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
Luna, Jose	11.5	480456	RALSTON, ANTHONY Kenneth	11.5	448065	Torres, Clemente	11.5	344233
WALL, ADAM Lee	11.5	497288						

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10866807	60 mile	11133700	60 mile	11748315	60 mile		

### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
05/12/2012	4	0	05/13/2012	7.5	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
					12 - May - 2012	12:00	CST
Form Type			BHST	On Location	12 - May - 2012	20:00	CST
Job depth MD	912. ft		Job Depth TVD	Job Started	13 - May - 2012	03:51	CST
Water Depth			Wk Ht Above Floor	Job Completed	13 - May - 2012	05:03	CST
Perforation Depth (MD)	From		To	Departed Loc	13 - May - 2012	07:30	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
Surface Open Hole				12.25					900.		
Surface Casing	Unknow n		9.625	8.921	36.		J-55		900.		

### 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		
KIT, HALL WELD-A	6	EA		

### Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	9.625	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar				831.51	Retainer					SSR plug set			
Insert Float										Plug Container	9.625	1	HES
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	Water Spacer		10.00	bbbl	8.33	.0	.0	3.8	
2	Lead Cement	EXTENDACEM (TM) SYSTEM (452981)	250.0	sacks	12.4	2.12	11.68	4	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)	210.0	sacks	15.6	1.2	5.32	4	5.32
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.125 lbm	POLY-E-FLAKE (101216940)							
	5.319 Gal	FRESH WATER							
<b>Calculated Values</b>			<b>Pressures</b>			<b>Volumes</b>			
Displacement	64.2	Shut In: Instant		Lost Returns		Cement Slurry	138	Pad	
Top Of Cement	SURF	5 Min		Cement Returns	20	Actual Displacement	64	Treatment	
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job	
<b>Rates</b>									
Circulating		Mixing	4	Displacement	5	Avg. Job	4.5		
Cement Left In Pipe	Amount	40 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 #: 2926912	Quote #:	Sales Order #: 9524375
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Ivey, Ronnie	
Well Name: Bleumer	Well #: 1-19H	API/UWI #:	
Field:	City (SAP): INGALLS	County/Parish: Gray	State: Kansas
Legal Description: Section 19 Township 26S Range 29W			
Contractor: LARIAT		Rig/Platform Name/Num: 3	
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: NGUYEN, VINH		Srvc Supervisor: RALSTON, ANTHONY	
MBU ID Emp #: 448065			

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
LUONG, JOHN	6.0	497077	Mendoza, Victor	6.0	442596	RALSTON, ANTHONY Kenneth	6.0	448065
WALL, ADAM Lee	6.0	497288						

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
11133700	60 mile	11689692	60 mile	11700001	60 mile		

### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
05/21/2012	6	1.5						

**TOTAL** Total is the sum of each column separately

### Job

### Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	21 - May - 2012	09:15	CST
Form Type		BHST	Job Started	21 - May - 2012	15:00	CST
Job depth MD	5462. ft	Job Depth TVD	Job Completed	21 - May - 2012	18:02	CST
Water Depth		Wk Ht Above Floor	Departed Loc	21 - May - 2012	19:41	CST
Perforation Depth (MD)	From	To		21 - May - 2012	21:30	CST

### Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbf/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Intermediate Open Hole				8.75				900.	5411.		
Intermediate Casing	Unknown		7.	6.184	29.	LTC	N-80	.	5411.		
Surface Casing	Unknown		9.625	8.921	36.		J-55	.	900.		

### Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	7	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	7	1	HES
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 lbf/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	

# HALLIBURTON

## Cementing Job Summary

1	Water Spacer		10.00	bbl	.	.0	.0	3.5	
2	Lead Cement	ECONOCEM (TM) SYSTEM (452992)	485.0	sacks	13.6	1.44	6.78	6	6.78
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	2 %	BENTONITE, BULK (100003682)							
	6.782 Gal	FRESH WATER							
3	Tail Cement	EXTENDACEM (TM) SYSTEM (452981)	100.0	sacks	15.6	1.18	5.2	6	5.2
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	5.197 Gal	FRESH WATER							
4	DISPLACEMENT (TBC)		205.00	bbl	.	.0	.0	7	
<b>Calculated Values</b>			<b>Pressures</b>			<b>Volumes</b>			
Displacement	205	Shut In: Instant		Lost Returns		Cement Slurry	145	Pad	
Top Of Cement	673	5 Min		Cement Returns	0	Actual Displacement	205	Treatment	
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job	360
<b>Rates</b>									
Circulating	6	Mixing	6	Displacement	7	Avg. Job	6.25		
Cement Left In Pipe	Amount	91.29 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 #: 2926912	Quote #:	Sales Order #: 9572523
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Ivey, Ronnie	
Well Name: Bleumer	Well #: 1-19H	API/UWI #:	
Field:	City (SAP): INGALLS	County/Parish: Gray	State: Kansas
Legal Description: Section 19 Township 26S Range 29W			
Contractor: Lariat	Rig/Platform Name/Num: 3		
Job Purpose: Cement Production Liner			
Well Type: Development Well		Job Type: Cement Production Liner	
Sales Person: NGUYEN, VINH	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	9	442123	LAYNE, OLANDIS P	9	517538	RODRIGUEZ, BENITO	9	519090
TORRES, CLEMENTE	9	344233						

### 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
6/6/2012	8	1	6/7/2012	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
Form Type	9457. ft	BHST	4944. ft	On Location	07 - Jun - 2012	14:45	CST
Job depth MD	9457. ft	Job Depth TVD	4944. ft	Job Started	07 - Jun - 2012	21:21	CST
Water Depth		Wk Ht Above Floor	10. ft	Job Completed	07 - Jun - 2012	22:31	CST
Perforation Depth (MD)	From	To		Departed Loc	08 - Jun - 2012	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
Production Liner Open Hole				6.125				5459.	9351.		
Intermediate Casing	Unknown		7.	6.184	29.	LTC	N-80	.	5458.		
Production Liner	Unknown		4.5	4.	11.6		P-110	5018.	9351.		
Drill Pipe	Unknown		4.	3.34	14.	Unknown		.	5018.		

### 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 Caustic Water Spacer		10.00	bbl	8.5	.0	.0	.0	
2	Primary Cement	ECONOCEM (TM) SYSTEM (452992)	450.0	sacks	13.6	1.54	7.36		7.36
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	2 %	BENTONITE, BULK (100003682)							
	7.356 Gal	FRESH WATER							
Calculated Values		Pressures			Volumes				
Displacement	113 BBL	Shut In: Instant		Lost Returns	0	Cement Slurry	123 BBL	Pad	
Top Of Cement	2207 FT	5 Min		Cement Returns	0	Actual Displacement	112.5 BBL	Treatment	
Frac Gradient		15 Min		Spacers	10 BBL	Load and Breakdown		Total Job	
Rates									
Circulating	3	Mixing	4.5	Displacement	5	Avg. Job			3
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		
The Information Stated Herein Is Correct				Customer Representative Signature					



# Archer Directional Drilling Services

## Survey Report



Company: Sandridge Energy, INC.(mid-con.)  
 Project: Gray County (KA27N)  
 Site: Sec 19-T26S-R29W  
 Well: Bleumer 2629 1-19H  
 Wellbore: Wellbore #1  
 Design: Wellbore #1

Local Co-ordinate Reference: Well Bleumer 2629 1-19H  
 TVD Reference: KB @ 2745.0usft  
 MD Reference: KB @ 2745.0usft  
 North Reference: Grid  
 Survey Calculation Method: Minimum Curvature  
 Database: EDM 5000,1 Single User Db

Project	Gray County (KA27N)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Kansas South 1502		

Site	Sec 19-T26S-R29W		
Site Position:	Northing:	411,892.24 usft	Latitude: 37° 46' 49.528 N
From: Map	Easting:	1,414,672.96 usft	Longitude: 100° 31' 31.586 W
Position Uncertainty:	0.0 usft	Slot Radius: 13-3/16 "	Grid Convergence: -1.24 °

Well	Bleumer 2629 1-19H			
Well Position	+N/-S	0.0 usft	Northing: 411,892.24 usft	Latitude: 37° 46' 49.528 N
	+E/-W	0.0 usft	Easting: 1,414,672.96 usft	Longitude: 100° 31' 31.586 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft	Ground Level: 2,725.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2012/05/08	6.17	65.51	52,050

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	181.66	

Survey Program	Date 2012/06/06				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
251.0	751.0	Gyro (Wellbore #1)	MWD	MWD - Standard	
1,107.0	9,351.0	Archer 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	
251.0	0.60	317.60	251.0	1.0	-0.9	-0.9	0.24	0.24	0.00	
466.0	0.50	317.60	466.0	2.5	-2.3	-2.4	0.05	-0.05	0.00	
751.0	0.40	317.60	751.0	4.1	-3.8	-4.0	0.04	-0.04	0.00	
1,107.0	0.40	317.60	1,107.0	6.0	-5.5	-5.8	0.00	0.00	0.00	
First Archer Survey										
1,584.0	0.60	341.50	1,584.0	9.6	-7.4	-9.4	0.06	0.04	5.01	
2,053.0	0.40	27.70	2,052.9	13.4	-7.4	-13.1	0.09	-0.04	9.85	
2,523.0	0.60	322.00	2,522.9	16.8	-8.1	-16.5	0.12	0.04	-13.98	
2,994.0	0.40	287.60	2,993.9	19.2	-11.2	-18.9	0.07	-0.04	-7.30	





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Local Co-ordinate Reference: Well Bleumer 2629 1-19H  
 TVD Reference: KB @ 2745.0usft  
 MD Reference: KB @ 2745.0usft  
 North Reference: Grid  
 Survey Calculation Method: Minimum Curvature  
 Database: 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)
3,470.0	0.30	317.90	3,469.9	20.6	-13.7	-20.2	0.04	-0.02	6.37
3,757.0	0.40	329.10	3,756.9	22.0	-14.7	-21.6	0.04	0.03	3.90
3,852.0	0.30	329.80	3,851.9	22.5	-15.0	-22.1	0.11	-0.11	0.74
3,948.0	0.50	303.20	3,947.9	23.0	-15.4	-22.5	0.28	0.21	-27.71
4,044.0	0.40	284.30	4,043.9	23.3	-16.1	-22.8	0.19	-0.10	-19.69
4,076.0	0.20	245.20	4,075.9	23.3	-16.3	-22.8	0.86	-0.63	-122.19
4,108.0	1.20	185.60	4,107.9	22.9	-16.4	-22.5	3.48	3.13	-186.25
4,140.0	2.70	180.40	4,139.9	21.9	-16.4	-21.4	4.72	4.69	-16.25
4,172.0	4.50	179.40	4,171.8	19.8	-16.4	-19.4	5.63	5.63	-3.13
4,204.0	6.90	177.00	4,203.6	16.7	-16.3	-16.2	7.54	7.50	-7.50
4,236.0	9.40	175.50	4,235.3	12.1	-16.0	-11.7	7.84	7.81	-4.69
4,268.0	11.50	176.50	4,266.8	6.4	-15.6	-5.9	6.59	6.56	3.13
4,300.0	12.70	176.80	4,298.1	-0.3	-15.2	0.8	3.76	3.75	0.94
4,331.0	14.40	178.20	4,328.2	-7.6	-14.9	8.0	5.58	5.48	4.52
4,363.0	16.30	182.10	4,359.1	-16.1	-14.9	16.5	6.75	5.94	12.19
4,395.0	18.50	184.20	4,389.6	-25.6	-15.4	26.1	7.15	6.88	6.56
4,427.0	21.00	184.10	4,419.7	-36.4	-16.2	36.9	7.81	7.81	-0.31
4,459.0	23.60	182.80	4,449.3	-48.5	-17.0	49.0	8.27	8.13	-4.06
4,491.0	26.60	181.60	4,478.3	-62.1	-17.5	62.6	9.51	9.38	-3.75
4,523.0	29.50	180.60	4,506.5	-77.1	-17.7	77.6	9.18	9.06	-3.13
4,555.0	32.40	179.80	4,534.0	-93.6	-17.8	94.1	9.15	9.06	-2.50
4,587.0	34.50	179.30	4,560.7	-111.2	-17.7	111.7	6.62	6.56	-1.56
4,619.0	36.40	179.00	4,586.7	-129.8	-17.4	130.2	5.96	5.94	-0.94
4,651.0	38.10	179.20	4,612.2	-149.1	-17.1	149.6	5.33	5.31	0.63
4,683.0	40.10	179.50	4,637.0	-169.3	-16.9	169.7	6.28	6.25	0.94
4,715.0	42.90	179.30	4,661.0	-190.5	-16.6	190.9	8.76	8.75	-0.63
4,747.0	45.70	178.90	4,683.9	-212.9	-16.3	213.2	8.79	8.75	-1.25
4,779.0	48.40	178.60	4,705.7	-236.3	-15.8	236.6	8.47	8.44	-0.94
4,810.0	49.30	178.50	4,726.1	-259.6	-15.2	259.9	2.91	2.90	-0.32
4,842.0	49.60	178.30	4,746.9	-283.9	-14.5	284.2	1.05	0.94	-0.63
4,874.0	49.60	177.80	4,767.6	-308.3	-13.7	308.5	1.19	0.00	-1.56
4,906.0	49.50	176.90	4,788.4	-332.6	-12.5	332.8	2.16	-0.31	-2.81
4,938.0	49.10	176.80	4,809.3	-356.8	-11.2	357.0	1.27	-1.25	-0.31
4,970.0	48.90	176.20	4,830.3	-380.9	-9.7	381.0	1.55	-0.63	-1.88
5,002.0	49.60	176.70	4,851.2	-405.1	-8.2	405.2	2.49	2.19	1.56
5,034.0	52.60	177.10	4,871.2	-430.0	-6.9	430.0	9.43	9.38	1.25
5,066.0	55.90	177.30	4,889.9	-455.9	-5.6	455.9	10.32	10.31	0.63
5,098.0	59.10	177.80	4,907.1	-482.9	-4.5	482.8	10.09	10.00	1.56
5,130.0	62.00	178.70	4,922.9	-510.7	-3.6	510.6	9.39	9.06	2.81
5,162.0	64.30	180.00	4,937.3	-539.3	-3.3	539.1	8.05	7.19	4.06
5,194.0	66.50	180.60	4,950.6	-568.4	-3.5	568.2	7.08	6.88	1.88
5,225.0	68.90	181.10	4,962.4	-597.0	-3.9	596.9	7.88	7.74	1.61
5,257.0	71.40	181.30	4,973.3	-627.1	-4.5	627.0	7.83	7.81	0.63



Archer Directional Drilling Services

Survey Report



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 Wellbore: Wellbore #1  
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Local Co-ordinate Reference: Well Bleumer 2629 1-19H  
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 MD Reference: KB @ 2745.0usft  
 North Reference: Grid  
 Survey Calculation Method: Minimum Curvature  
 Database: 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)
5,289.0	73.40	181.70	4,982.9	-657.6	-5.3	657.5	6.36	6.25	1.25
5,321.0	75.60	181.80	4,991.5	-688.4	-6.2	688.3	6.88	6.88	0.31
5,353.0	77.70	181.60	4,998.9	-719.6	-7.2	719.5	6.59	6.56	-0.63
5,385.0	79.90	181.70	5,005.1	-750.9	-8.1	750.9	6.88	6.88	0.31
5,476.0	83.70	180.40	5,018.1	-841.0	-9.7	840.9	4.41	4.18	-1.43
5,507.0	84.10	179.90	5,021.4	-871.8	-9.8	871.7	2.06	1.29	-1.61
5,538.0	85.00	180.40	5,024.3	-902.7	-9.9	902.6	3.32	2.90	1.61
5,569.0	86.40	180.70	5,026.6	-933.6	-10.2	933.5	4.62	4.52	0.97
5,601.0	87.70	181.00	5,028.3	-965.5	-10.7	965.4	4.17	4.06	0.94
5,632.0	88.60	181.10	5,029.3	-996.5	-11.2	996.4	2.92	2.90	0.32
5,663.0	90.20	180.90	5,029.6	-1,027.5	-11.8	1,027.4	5.20	5.16	-0.65
5,694.0	91.20	180.90	5,029.2	-1,058.5	-12.3	1,058.4	3.23	3.23	0.00
5,726.0	91.70	181.10	5,028.4	-1,090.5	-12.8	1,090.4	1.68	1.56	0.63
5,757.0	91.10	180.90	5,027.7	-1,121.5	-13.3	1,121.4	2.04	-1.94	-0.65
5,788.0	92.40	181.30	5,026.7	-1,152.4	-13.9	1,152.4	4.39	4.19	1.29
5,820.0	94.50	181.30	5,024.8	-1,184.4	-14.7	1,184.3	6.56	6.56	0.00
5,851.0	95.00	181.80	5,022.2	-1,215.3	-15.5	1,215.2	2.28	1.61	1.61
5,882.0	95.00	181.90	5,019.5	-1,246.1	-16.5	1,246.1	0.32	0.00	0.32
5,914.0	94.20	181.70	5,017.0	-1,278.0	-17.5	1,278.0	2.58	-2.50	-0.63
5,945.0	92.40	181.40	5,015.2	-1,308.9	-18.3	1,308.9	5.89	-5.81	-0.97
5,976.0	92.00	181.70	5,014.0	-1,339.9	-19.2	1,339.9	1.61	-1.29	0.97
6,008.0	92.50	181.60	5,012.7	-1,371.9	-20.1	1,371.9	1.59	1.56	-0.31
6,039.0	93.10	181.50	5,011.2	-1,402.8	-20.9	1,402.8	1.96	1.94	-0.32
6,070.0	92.60	181.30	5,009.7	-1,433.8	-21.7	1,433.8	1.74	-1.61	-0.65
6,101.0	90.90	180.90	5,008.7	-1,464.7	-22.3	1,464.8	5.63	-5.48	-1.29
6,133.0	89.00	181.70	5,008.7	-1,496.7	-23.0	1,496.8	6.44	-5.94	2.50
6,164.0	88.70	181.80	5,009.4	-1,527.7	-24.0	1,527.8	1.02	-0.97	0.32
6,195.0	89.10	181.70	5,010.0	-1,558.7	-24.9	1,558.8	1.33	1.29	-0.32
6,227.0	89.50	181.30	5,010.4	-1,590.7	-25.7	1,590.8	1.77	1.25	-1.25
6,258.0	89.90	182.00	5,010.5	-1,621.7	-26.6	1,621.8	2.60	1.29	2.26
6,289.0	90.20	182.00	5,010.5	-1,652.6	-27.7	1,652.8	0.97	0.97	0.00
6,320.0	90.60	182.10	5,010.3	-1,683.6	-28.8	1,683.8	1.33	1.29	0.32
6,352.0	91.00	182.70	5,009.8	-1,715.6	-30.2	1,715.8	2.25	1.25	1.88
6,383.0	91.60	182.80	5,009.1	-1,746.6	-31.7	1,746.7	1.96	1.94	0.32
6,414.0	92.00	182.50	5,008.1	-1,777.5	-33.1	1,777.7	1.61	1.29	-0.97
6,446.0	91.60	182.80	5,007.1	-1,809.5	-34.6	1,809.7	1.56	-1.25	0.94
6,477.0	90.40	183.10	5,006.6	-1,840.4	-36.2	1,840.7	3.99	-3.87	0.97
6,508.0	90.70	183.20	5,006.3	-1,871.4	-37.9	1,871.7	1.02	0.97	0.32
6,539.0	91.00	183.30	5,005.8	-1,902.3	-39.6	1,902.7	1.02	0.97	0.32
6,571.0	90.80	183.30	5,005.3	-1,934.3	-41.5	1,934.6	0.63	-0.63	0.00
6,602.0	89.70	183.70	5,005.2	-1,965.2	-43.4	1,965.6	3.78	-3.55	1.29
6,633.0	88.00	183.30	5,005.8	-1,996.1	-45.2	1,996.6	5.63	-5.48	-1.29
6,665.0	87.60	183.70	5,007.1	-2,028.0	-47.2	2,028.6	1.77	-1.25	1.25



Archer Directional Drilling Services

Survey Report



Company: Sandridge Energy, INC.(mid-con.)  
 Project: Gray County (KA27N)  
 Site: Sec 19-T26S-R29W  
 Well: Bleumer 2629 1-19H  
 Wellbore: Wellbore #1  
 Design: Wellbore #1

Local Co-ordinate Reference: Well Bleumer 2629 1-19H  
 TVD Reference: KB @ 2745.0usft  
 MD Reference: KB @ 2745.0usft  
 North Reference: Grid  
 Survey Calculation Method: Minimum Curvature  
 Database: 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)
6,696.0	87.90	183.80	5,008.3	-2,059.0	-49.2	2,059.5	1.02	0.97	0.32
6,727.0	88.20	183.90	5,009.3	-2,089.9	-51.3	2,090.5	1.02	0.97	0.32
6,758.0	88.90	183.10	5,010.1	-2,120.8	-53.2	2,121.4	3.43	2.26	-2.58
6,773.0	88.90	183.50	5,010.4	-2,135.8	-54.1	2,136.4	2.67	0.00	2.67
6,790.0	89.20	183.10	5,010.7	-2,152.7	-55.0	2,153.4	2.94	1.76	-2.35
6,821.0	89.40	183.20	5,011.1	-2,183.7	-56.7	2,184.4	0.72	0.65	0.32
6,853.0	89.90	183.10	5,011.3	-2,215.6	-58.5	2,216.4	1.59	1.56	-0.31
6,885.0	90.20	183.30	5,011.2	-2,247.6	-60.3	2,248.4	1.13	0.94	0.63
6,917.0	90.60	183.40	5,011.0	-2,279.5	-62.2	2,280.4	1.29	1.25	0.31
6,949.0	91.00	182.60	5,010.6	-2,311.5	-63.8	2,312.4	2.79	1.25	-2.50
6,980.0	91.50	182.60	5,009.9	-2,342.4	-65.2	2,343.4	1.61	1.61	0.00
7,012.0	91.60	182.80	5,009.0	-2,374.4	-66.7	2,375.3	0.70	0.31	0.63
7,043.0	92.00	182.60	5,008.0	-2,405.4	-68.2	2,406.3	1.44	1.29	-0.65
7,075.0	92.40	182.80	5,006.8	-2,437.3	-69.7	2,438.3	1.40	1.25	0.63
7,107.0	92.50	183.10	5,005.4	-2,469.2	-71.4	2,470.3	0.99	0.31	0.94
7,139.0	91.70	182.20	5,004.3	-2,501.2	-72.8	2,502.2	3.76	-2.50	-2.81
7,170.0	91.60	181.50	5,003.4	-2,532.1	-73.8	2,533.2	2.28	-0.32	-2.26
7,202.0	91.90	181.90	5,002.4	-2,564.1	-74.8	2,565.2	1.56	0.94	1.25
7,234.0	92.00	181.50	5,001.3	-2,596.1	-75.7	2,597.2	1.29	0.31	-1.25
7,266.0	92.30	181.60	5,000.1	-2,628.0	-76.6	2,629.2	0.99	0.94	0.31
7,298.0	93.00	181.80	4,998.6	-2,660.0	-77.5	2,661.1	2.27	2.19	0.63
7,330.0	91.90	181.50	4,997.3	-2,691.9	-78.5	2,693.1	3.56	-3.44	-0.94
7,362.0	90.30	181.30	4,996.7	-2,723.9	-79.2	2,725.1	5.04	-5.00	-0.63
7,394.0	90.10	180.80	4,996.5	-2,755.9	-79.8	2,757.1	1.68	-0.63	-1.56
7,425.0	90.50	180.90	4,996.4	-2,786.9	-80.3	2,788.1	1.33	1.29	0.32
7,457.0	90.60	180.50	4,996.1	-2,818.9	-80.7	2,820.1	1.29	0.31	-1.25
7,489.0	91.10	181.00	4,995.6	-2,850.9	-81.1	2,852.1	2.21	1.56	1.56
7,521.0	91.50	180.50	4,994.9	-2,882.9	-81.5	2,884.1	2.00	1.25	-1.56
7,553.0	92.00	180.30	4,993.9	-2,914.9	-81.7	2,916.0	1.68	1.56	-0.63
7,586.0	92.70	180.60	4,992.5	-2,947.9	-82.0	2,949.0	2.31	2.12	0.91
7,618.0	91.70	181.00	4,991.3	-2,979.8	-82.5	2,981.0	3.37	-3.13	1.25
7,650.0	89.50	180.80	4,991.0	-3,011.8	-83.0	3,013.0	6.90	-6.88	-0.63
7,681.0	89.20	181.00	4,991.3	-3,042.8	-83.4	3,044.0	1.16	-0.97	0.65
7,713.0	89.50	180.60	4,991.7	-3,074.8	-83.9	3,075.9	1.56	0.94	-1.25
7,745.0	89.80	181.30	4,991.9	-3,106.8	-84.4	3,107.9	2.38	0.94	2.19
7,777.0	90.00	181.40	4,991.9	-3,138.8	-85.2	3,139.9	0.70	0.63	0.31
7,809.0	90.20	180.90	4,991.9	-3,170.8	-85.8	3,171.9	1.68	0.63	-1.56
7,841.0	90.60	181.60	4,991.7	-3,202.8	-86.5	3,203.9	2.52	1.25	2.19
7,873.0	91.10	181.20	4,991.2	-3,234.8	-87.3	3,235.9	2.00	1.56	-1.25
7,905.0	91.50	181.50	4,990.5	-3,266.7	-88.0	3,267.9	1.56	1.25	0.94
7,937.0	91.70	181.30	4,989.6	-3,298.7	-88.8	3,299.9	0.88	0.63	-0.63
7,969.0	92.20	181.00	4,988.5	-3,330.7	-89.5	3,331.9	1.82	1.56	-0.94
8,001.0	92.90	181.70	4,987.1	-3,362.7	-90.2	3,363.9	3.09	2.19	2.19
8,033.0	91.50	181.50	4,985.8	-3,394.6	-91.1	3,395.8	4.42	-4.38	-0.63



Archer Directional Drilling Services

Survey Report



Company: Sandridge Energy, INC.(mid-con.)  
 Project: Gray County (KA27N)  
 Site: Sec 19-T26S-R29W  
 Well: Bleumer 2629 1-19H  
 Wellbore: Wellbore #1  
 Design: Wellbore #1

Local Co-ordinate Reference: Well Bleumer 2629 1-19H  
 TVD Reference: KB @ 2745.0usft  
 MD Reference: KB @ 2745.0usft  
 North Reference: Grid  
 Survey Calculation Method: Minimum Curvature  
 Database: 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)
8,065.0	89.70	181.30	4,985.5	-3,426.6	-91.9	3,427.8	5.66	-5.63	-0.63
8,098.0	88.70	181.20	4,986.0	-3,459.6	-92.6	3,460.8	3.05	-3.03	-0.30
8,130.0	88.90	181.20	4,986.6	-3,491.6	-93.3	3,492.8	0.63	0.63	0.00
8,162.0	89.20	181.60	4,987.2	-3,523.6	-94.1	3,524.8	1.56	0.94	1.25
8,193.0	89.50	181.30	4,987.5	-3,554.6	-94.9	3,555.8	1.37	0.97	-0.97
8,225.0	89.90	181.90	4,987.7	-3,586.5	-95.7	3,587.8	2.25	1.25	1.88
8,257.0	90.00	181.50	4,987.7	-3,618.5	-96.7	3,619.8	1.29	0.31	-1.25
8,289.0	90.40	181.90	4,987.6	-3,650.5	-97.6	3,651.8	1.77	1.25	1.25
8,321.0	90.70	181.60	4,987.3	-3,682.5	-98.6	3,683.8	1.33	0.94	-0.94
8,353.0	91.00	182.00	4,986.8	-3,714.5	-99.6	3,715.8	1.56	0.94	1.25
8,385.0	91.30	181.70	4,986.2	-3,746.5	-100.7	3,747.8	1.33	0.94	-0.94
8,417.0	91.80	181.90	4,985.3	-3,778.4	-101.7	3,779.8	1.68	1.56	0.63
8,448.0	92.00	181.80	4,984.3	-3,809.4	-102.7	3,810.8	0.72	0.65	-0.32
8,480.0	92.00	182.00	4,983.2	-3,841.4	-103.7	3,842.8	0.62	0.00	0.63
8,512.0	91.70	181.30	4,982.1	-3,873.3	-104.6	3,874.7	2.38	-0.94	-2.19
8,544.0	90.40	181.40	4,981.5	-3,905.3	-105.4	3,906.7	4.07	-4.06	0.31
8,576.0	90.00	181.30	4,981.4	-3,937.3	-106.2	3,938.7	1.29	-1.25	-0.31
8,608.0	90.20	180.90	4,981.4	-3,969.3	-106.8	3,970.7	1.40	0.63	-1.25
8,640.0	90.80	181.30	4,981.1	-4,001.3	-107.4	4,002.7	2.25	1.88	1.25
8,672.0	90.70	180.90	4,980.7	-4,033.3	-108.0	4,034.7	1.29	-0.31	-1.25
8,704.0	90.90	180.70	4,980.2	-4,065.3	-108.4	4,066.7	0.88	0.63	-0.63
8,736.0	91.10	180.70	4,979.7	-4,097.3	-108.8	4,098.7	0.63	0.63	0.00
8,768.0	91.60	180.60	4,978.9	-4,129.3	-109.2	4,130.7	1.59	1.56	-0.31
8,863.0	91.50	179.40	4,976.3	-4,224.2	-109.2	4,225.6	1.27	-0.11	-1.26
8,958.0	92.00	179.00	4,973.4	-4,319.2	-107.9	4,320.5	0.67	0.53	-0.42
9,022.0	93.00	179.10	4,970.7	-4,383.1	-106.8	4,384.4	1.57	1.56	0.16
9,118.0	94.10	179.20	4,964.7	-4,478.9	-105.4	4,480.1	1.15	1.15	0.10
9,213.0	95.30	179.00	4,956.9	-4,573.6	-103.9	4,574.7	1.28	1.26	-0.21
9,293.0	95.30	178.40	4,949.5	-4,653.2	-102.1	4,654.2	0.75	0.00	-0.75
Last Archer Survey									
9,351.0	95.30	178.40	4,944.2	-4,710.9	-100.5	4,711.9	0.00	0.00	0.00
Projection to TD									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,107.0	1,107.0	6.0	-5.5	First Archer Survey
9,293.0	4,949.5	-4,653.2	-102.1	Last Archer Survey
9,351.0	4,944.2	-4,710.9	-100.5	Projection to TD

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Section 18  
26S 29W

Section 17 UNRUH 2629 1-17H  
26S 29W

BLEUMER 2629 1-19H



Miss Entry: 5067'  
-101 37.779196

Top Perf: 5530'  
-101 37.77969

Section 19  
26S 29W

Section 20  
26S 29W

Bottom Perf: 8983'  
-101 37.768407

BHL: 9351' 339' FEL  
-101 37.767508

480' FSL

Section 30  
26S 29W

Section 29  
26S 29W



Actual Bottom-Hole Location of Bleumer 2629 1-19H  
Gray County, Kansas

T&R: 26S 29W  
Section: 19, 339' FEL & 480' FSL  
Long/Lat: -101 37.767508

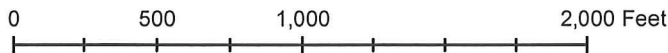
1 in = 667 ft



● Actual BH Location

\* SandRidge Wells

Perf  
Sections



Draftsman:

Aaron Birk

Draft Date: 10/25/2012

Drawing Name/Number:

Addendum\_Bleumer\_2629\_1-19H H.mxd

Coordinate System:

NAD 1927 State Plane  
Kansas South FIPS: 1502

Logo

Back to Well Completion

# Bleumer 2629 1-19H (1081290)

**Actions**

View PDF
Delete
Edit
Certify & Submit
Request Confidentiality

**Attachments**

Two Year Confidentiality OPERATOR	View PDF Delete
Gas Analysis OPERATOR	View PDF Delete
Cement Reports OPERATOR	View PDF Delete
Directional Survey OPERATOR	View PDF Delete
As Drilled Plat OPERATOR	View PDF Delete

[Add Attachment](#)

**Remarks**

Remarks to KCC
----------------

[Add Remark](#)

**Remarks**

Tiffany Golay 09/05/012 01:16 pm	Additonal Fluid Mgmt Information: 2100 bbls hauled to Weinett Disposal LLC, NW/4 of section 1079 Block 43, Lipscomb, TX; 720 bbls hauled to Hatcher Disposal, NW/4 of 12-34S-33W, Seward, KS; 720 bbls Hauled to American Warrior Billings Lease, NW/4 of 35-32S-33W Hodgeman, KS
Tiffany Golay 08/30/012 02:30 pm	Conductor: weight 94 lbs/ft 10 yards of grout were used to set conductor

## Summary of Changes

Lease Name and Number: Bleumer 2629 1-19H

API/Permit #: 15-069-20373-01-00

Doc ID: 1155271

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	09/05/2012	08/14/2013
Save Link	../../../../kcc/detail/operatorEditDetail.cfm?docID=1081290	../../../../kcc/detail/operatorEditDetail.cfm?docID=1155271

## Summary of Attachments

Lease Name and Number: Bleumer 2629 1-19H

API: 15-069-20373-01-00

Doc ID: 1155271

Correction Number: 1

Attachment Name

Attachments





**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
-----------------------------------	-----------------	---

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: \_\_\_\_\_