



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1121160  
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
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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: \_\_\_\_\_



1121160

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> _____ <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Yost 2729 1-33H
Doc ID	1121160

#### Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	8568-8894	378 bbl 7.5% acid, 358 bbls 7.5% gelled NEFE acid, 1762 llb 15# linear gel, rock salt 1200 lb. 1406 TLTR	
5	8312-8502	453 bbl 7.5% gelled NEFE acid, 1614 bbl 15# linear gel, rock salt 1200 lb. 3141 TLTR	
5	8078-8265	12 bbl 7.5% acid, 358 bbl 7.5% gelled NEFE acid, 1762 bbl 15# linear gel, rock salt 1200 lb. 5007 TLTR	
5	7850-8012	357 bbl 7.5% gelled NEFE acid, 1416 bbl 15# linear gel, rock salt 1200 lb. 6508 TLTR	
5	7638-7794	12 bbl 15% acid, 344 bbls 7.5% gelled NEFE acid, 1412 bbl 15# linear gel, rock salt 1200 lb. 8003 TLTR	
5	7422-7590	20 bbl 15% acid, 336 bbl 7.5% gelled NEFE acid, 1419 bbl 15# linear gel, rock salt 1200 lb. 9494 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Yost 2729 1-33H
Doc ID	1121160

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	7240-7374	12 bbl 15% acid, 346 bbl 7.5% gelled NEFE acid, 1375 bbls 15# linear gel, rock salt 1200 lb. 10934 TLTR	
5	7028-7190	25 bbl 15% acid, 331 bbl 7.5% gelled NEFE acid, 1361 bbl 15# linear gel, rock salt 1200 lb. 12352 TLTR	
5	6841-6990	13 bbl 15% acid, 343 bbl 7.5% gelled NEFE acid, 1366 bbl 15# linear gel, rock salt 1200 lb. 13765 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Yost 2729 1-33H
Doc ID	1121160

### 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	130	Pro Oilfield Services 10 sack grout	14	none
Surface	12.25	9.63	36	1570	Halliburton Extendacem/ Swiftcem Systems	610	3% Calcium Chloride, .25 lbm Poly-E-Flake/ 2% Calcium Chloride, .125 lbm Pol-E-Flake
Intermediate	8.75	7	26	5535	Halliburton Econocem/ Halcem Systems	325	49 lb Halad-9, 270 lb Kol-Seal, 3 sk Bentonite/ 72 lb halad-9, 380 lb Kol-Seal
Production Liner	6.12	4.5	11.6	9033	Halliburton Econocem System	580	2 lbm Kol-Seal, .25% SA-1015, .2% CFR-3, S/O Defoamer

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 04, 2013

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

Re: ACO1  
API 15-069-20430-01-00  
Yost 2729 1-33H  
NW/4 Sec.33-27S-29W  
Gray 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



Division : 0701  
 Delivery Ticket : 4245  
 Delivery Date : 2/14/2013  
 Office : 12/1/1901

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

Ordered By :  
 Lease/Well : YOST 2729 1-33H  
 Rig Name/Number : LARIAT 20  
 AFE Number :  
 Site Contact :

Customer : SAN400

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

Qty	Description	Min / Standby / Usage Charge	Add Day	Unit Price	Start Date / Stop Date	Extended Line Total
1	YOST 2729 1-33H		\$0.00		2/7/2013 2/7/2013	
120	DRILLED 30" CONDUCTOR HOLE	\$0.00	\$0.00	\$0.00	2/7/2013 2/7/2013	
120	20" CONDUCTOR PIPE (.250 WALL)	\$0.00	\$0.00	\$0.00	2/7/2013 2/7/2013	
1	6'X6' CELLAR TINHORN WITH PROTECTIVE RING	\$0.00	\$0.00	\$0.00	2/7/2013 2/7/2013	
1	DRILL & INSTALL 6'X6' CELLAR TINHORN	\$0.00	\$0.00	\$0.00	2/7/2013 2/7/2013	
77	DRILLED 20" MOUSE HOLE (PER FOOT)	\$0.00	\$0.00	\$0.00	2/7/2013 2/7/2013	
77	16" CONDUCTOR PIPE (.250 WALL)	\$0.00	\$0.00	\$0.00	2/7/2013 2/7/2013	
1	MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE	\$0.00	\$0.00	\$0.00	2/7/2013 2/7/2013	
1	WELDING SERVICES FOR PIPE & LIDS	\$0.00	\$0.00	\$0.00	2/7/2013 2/7/2013	
1	PROVIDED EQUIPMENT & LABOR FOR DIRT REMOVAL	\$0.00	\$0.00	\$0.00	2/7/2013 2/7/2013	
1	PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR THE MOUSEHOLE PIPE)	\$0.00	\$0.00	\$0.00	2/7/2013 2/7/2013	
14	CEMENT 10 SACK GROUT	\$0.00	\$0.00	\$0.00	2/7/2013 2/7/2013	
Sub Total:			\$0.00			

Print Name

Signature

RECEIVED

FEB 22 2013

HALLIBURTON

REGULATORY DEPT  
SANDRIDGE ENERGY

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2980839	Quote #:	Sales Order #: 900223950
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: , Ricky	
Well Name: Yost 2729	Well #: 1-33H	API/UWI #: 15-069-20430	
Field:	City (SAP): MONTEZUMA	County/Parish: Gray	State: Kansas
Legal Description: Section 33 Township 27S Range 29W			
Contractor: Lariat		Rig/Platform Name/Num: 20	
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 #
GARCIA, ADAM Joe	10.5	531492	LOPEZ, CRISTIAN Adrian	10.5	488085	MENDOZA, VICTOR	10.5	442596
THOMPSON, RAYLAND Heath	10.5	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
2/17/13	10.5	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
				On Location	16 - Feb - 2013	20:45	CST
Form Type			BHST	On Location	17 - Feb - 2013	00:00	CST
Job depth MD	1450. ft		Job Depth TVD	Job Started	17 - Feb - 2013	00:00	CST
Water Depth			Wk Ht Above Floor	Job Completed	17 - Feb - 2013	00:00	CST
Perforation Depth (MD)	From		To	Departed Loc	17 - Feb - 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				80.	1450.		
9.625" Surface Casing	Unknow n		9.625	8.921	36.	LTC	J-55	.	1450.		
Preset Conductor	Unknow n		20.	19.124	94.			.	80.		

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			
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)	415.0	sacks	12.4	2.11	11.57		11.57	
	3 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)	156 BBL							
	0.25 lbm	POLY-E-FLAKE (101216940)								
	11.571 Gal	FRESH WATER								
3	Tail Cement	SWIFTCEM (TM) SYSTEM (452990)	195.0	sacks	15.6	1.2	5.32		5.32	
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)	42 BBL							
	0.125 lbm	POLY-E-FLAKE (101216940)								
	5.319 Gal	FRESH WATER								
4	Displacement		109.00	bbl	8.33	.0	.0	.0		
Calculated Values			Pressures			Volumes				
Displacement	118	Shut In: Instant		Lost Returns	NO	Cement Slurry	198	Pad		
Top Of Cement	SURFACE	5 Min		Cement Returns	40	Actual Displacement	118	Treatment		
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job		
Rates										
Circulating		Mixing	7	Displacement	7	Avg. Job	7			
Cement Left In Pipe	Amount	37.4 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 <i>Rickey Robles</i>						

# HALLIBURTON

## Field Ticket

<b>Field Ticket Number:</b> 900242027		<b>Field Ticket Date:</b> Sunday, February 24, 2013	
<b>Bill To:</b> SANDRIDGE ENERGY INC EBUSINESS PO BOX 548807 - DO NOT MAIL OKLAHOMA CITY, OK 73154		<b>Job Name:</b> 7" Intermediate Casing <b>Order Type:</b> Streamline Order (ZOH) <b>Well Name:</b> Yost 2729 1-33H <b>Company Code:</b> 1100 <b>Customer PO No.:</b> NA <b>Shipping Point:</b> Woodward, OK, USA <b>Sales Office:</b> Mid-Continent BD <b>Well Type:</b> Gas <b>Well Category:</b> Development	
<b>Ship To:</b> SANDRIDGE ENERGY INC EBUSINESS Yost 2729, 1-33H 2980839 SEC 33-27S-29W MONTEZUMA, KS 67867			

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
7522	CMT INTERMEDIATE CASING BOM	1	JOB	0.00	0.00	0.00		0.00
18091	ZI - PUMPING CHARGE- 12 HRS	1	EA	0.00	<del>1,718.00</del>	<del>1,718.00</del>		<del>1,718.00</del>
	DEPTH	5541	FT					
	FEET/METERS (FT/M)							
2	MILEAGE FOR CEMENTING CREW,ZI	140	MI		0.00	0.00		0.00
	Number of Units	1						
1	ZI-MILEAGE FROM NEAREST HES BASE,/UNIT	140	MI		0.00	0.00		0.00
	Number of Units	1						
141	RCM II W/ADC,/JOB,ZI	1	JOB		0.00	0.00		0.00
	NUMBER OF UNITS	1						
132	PORT. DAS W/CEMWIN;ACQUIRE W/HES, ZI	1	JOB		0.00	0.00		0.00
	NUMBER OF DAYS	1						
74038	ZI PLUG CONTAINER RENTAL-1ST DAY	1	EA		0.00	0.00		0.00
	DAYS OR FRACTION (MIN1)	1						
101229888	PLUG,CMTG, TOP,7,HWE,5.66 MIN/6.54 MAX CS	1	EA		0.00	0.00		0.00
452992	ECONOCEM (TM) SYSTEM	135	SK			0.00		0.00
100001617	HALAD-9	49	LB		0.00	0.00		0.00
100064233	KOL-SEAL	270	LB		0.00	0.00		0.00
100003682	BENTONITE	3	SK		0.00	0.00		0.00
452986	HALCEM (TM) SYSTEM	190	SK			0.00		0.00
100001617	HALAD-9	72	LB		0.00	0.00		0.00

# HALLIBURTON

## Field Ticket

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<b>Bill To:</b> SANDRIDGE ENERGY INC EBUSINESS PO BOX 548807 - DO NOT MAIL OKLAHOMA CITY, OK 73154		<b>Job Name:</b> 7" Intermediate Casing <b>Order Type:</b> Streamline Order (ZOH) <b>Well Name:</b> Yost 2729 1-33H <b>Company Code:</b> 1100 <b>Customer PO No.:</b> NA <b>Shipping Point:</b> Woodward, OK, USA <b>Sales Office:</b> Mid-Continent BD <b>Well Type:</b> Gas <b>Well Category:</b> Development	
<b>Ship To:</b> SANDRIDGE ENERGY INC EBUSINESS Yost 2729, 1-33H 2980839 SEC 33-27S-29W MONTEZUMA, KS 67867			

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
100064233	KOL-SEAL	380	LB		0.00	0.00		0.00
76400	ZI MILEAGE,CMT MTLs DEL/RET MIN	70	MI		0.00	0.00		0.00
	NUMBER OF TONS	15.6						
3965	HANDLE&DUMP SVC CHRg, CMT&ADDITIVES,ZI	353	CF		0.00	0.00		0.00
	NUMBER OF EACH	1						
	Unit of Measurement		EA					
86954	FUEL SURCHG-CARS/PICKUPS<1 1/2TON/PERM	140	MI		0.00	0.00		0.00
	Number of Units	1						
86955	FUEL SURCHG-HEAVY TRKS >1 1/2 TON/PER MI	140	MI		0.00	0.00		0.00
	Number of Units	1						
87605	FUEL SURCHG-CMT & CMT ADDITIVES/PER TNM	70	TNM		0.00	0.00		0.00
	NUMBER OF TONS	15.6						
372867	Cmt PSL - DOT Vehicle Charge, CMT	3	EA		0.00	0.00		0.00
7	ENVIRONMENTAL CHARGE,/JOB,ZI	1	JOB		0.00	0.00		0.00
				<b>Totals</b>	<b>USD</b>		0.00	

Halliburton Rep: GERALD GILLIAM  
 Customer Agent: Richard Hill  
 Halliburton Approval: *Jessica Blankenship*

# HALLIBURTON

## Field Ticket

<b>Field Ticket Number:</b> 900242027		<b>Field Ticket Date:</b> Sunday, February 24, 2013	
<b>Bill To:</b> SANDRIDGE ENERGY INC EBUSINESS PO BOX 548807 - DO NOT MAIL OKLAHOMA CITY, OK 73154		<b>Job Name:</b> 7" Intermediate Casing <b>Order Type:</b> Streamline Order (ZOH) <b>Well Name:</b> Yost 2729 1-33H <b>Company Code:</b> 1100 <b>Customer PO No.:</b> NA <b>Shipping Point:</b> Woodward, OK, USA <b>Sales Office:</b> Mid-Continent BD <b>Well Type:</b> Gas <b>Well Category:</b> Development	
<b>Ship To:</b> SANDRIDGE ENERGY INC EBUSINESS Yost 2729, 1-33H 2980839 SEC 33-27S-29W MONTEZUMA, KS 67867			


Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
----------	-------------	-----	-----	----------	----------	--------------	----------	------------

THIS OUTPUT DOES NOT INCLUDE TAXES. APPLICABLE SALES TAX WILL BE BILLED ON THE FINAL INVOICE.  
 CUSTOMER HEREBY ACKNOWLEDGES RECEIPT OF THE MATERIALS AND SERVICES DESCRIBED ABOVE AND ON THE ATTACHED DOCUMENTS.

X   
 Customer Signature

FIELD TICKET TOTAL: USD 716.00

Was our HSE performance satisfactory?  Y or N  N  
 (Health, Safety, Environment)      Were you satisfied with our Equipment?  Y or N  N  
 Were you satisfied with our people?  Y or N  N

Comments  
Excellent Job!! 

<b>Customer Information Only</b>
SDRG REMIT TO DEPT
AFE
PROP # / COST CENTER
CONTRACT NUMBER
APPROVER NAME

DC 12629  
 Yost 2729 1-33H  
 2980839  
 AFE: \_\_\_\_\_  
 Well: \_\_\_\_\_  
 Code: \_\_\_\_\_  
 AMT: \_\_\_\_\_  
 Co Man: \_\_\_\_\_  
 Greg Rivera AP

RECEIVED

APR 1 2013

**HALLIBURTON**

REGULATORY DEPT  
SANDRIDGE ENERGY **Cementing Job Summary**

*The Road Excellence Starts with Safety*

Sold To #: 305021	Ship To #: 2980669	Quote #:	Sales Order #: 900254681
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: ., Ricky	
Well Name: Yost 2729	Well #: 1-33H	API/UWI #: 15-069-20430	
Field:	City (SAP): MONTEZUMA	County/Parish: Gray	State: Kansas
Legal Description: Section 33 Township 27S Range 29W			
Contractor: Lariat		Rig/Platform Name/Num: 20	
Job Purpose: Cement Production Liner			
Well Type: Development Well		Job Type: Cement Production Liner	
Sales Person: NGUYEN, VINH		Srvc Supervisor: WOODROW, JOHN	MBU ID Emp #: 105848

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BRITTENUM, LAWRENCE Wallace	13	470408	PERKINS, JOHN A	13	514252	SMITH, THOMAS Miles	13	493032
WOODROW, JOHN Phillip	13	105848						

**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

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	9033. ft	BHST	On Location	01 - Mar - 2013	20:00	CST
Job depth MD		Job Depth TVD	Job Started	02 - Mar - 2013	06:00	CST
Water Depth		Wk Ht Above Floor	Job Completed	02 - Mar - 2013	09:22	CST
Perforation Depth (MD) From		To	Job Completed	02 - Mar - 2013	10:45	CST
			Departed Loc	02 - Mar - 2013	13:00	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
6.125" Open Hole				6.125				5535.	9448.		
4.5" Production Liner	Unknown		4.5	4.	11.6	LTC	N-80	5135.	9448.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110		5535.		
4" Drill Pipe	Unknown		4.	3.34	14.	Unknown			5135.		

**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 E923	ECONOCEM (TM) SYSTEM (452992)	<del>580</del> 580	sacks	13.6	1.48	6.9		6.9
	2 lbm	KOL-SEAL, BULK (100064233)							
	0.25 %	SA-1015, 50 LB SACK (102077046)							
	0.2 %	CFR-3, W/O DEFOAMER, 50 LB SK (100003653)							
	6.901 Gal	FRESH WATER							
3	Displacement		106.00	bbl	8.33	.0	.0	.0	
<b>Calculated Values</b>		<b>Pressures</b>			<b>Volumes</b>				
Displacement	106	Shut In: Instant		Lost Returns	0	Cement Slurry	183	Pad	
Top Of Cement	5219	5 Min		Cement Returns	0	Actual Displacement	106	Treatment	
Frac Gradient		15 Min		Spacers	30	Load and Breakdown		Total Job	
<b>Rates</b>									
Circulating	6	Mixing	6	Displacement	6	Avg. Job	6		
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		
The Information Stated Herein Is Correct				Customer Representative Signature <i>Juis</i>					

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

**Gray County, KS (NAD27)**

**Sec 33-T27S-R29W**

**Yost 2729 1-33H/ Job #04104-431-22/ Lariat 20**

**Wellbore #1**

**Design: Wellbore #1**

## **Standard Survey Report**

**04 March, 2013**

# Archer Survey Report

<b>Company:</b> Sandridge Energy, INC.(mid-con.)	<b>Local Co-ordinate Reference:</b> Well Yost 2729 1-33H/ Job #04104-431-22/ Lariat 20
<b>Project:</b> Gray County, KS (NAD27)	<b>TVD Reference:</b> WELL @ 2765.0usft (Original Well Elev)
<b>Site:</b> Sec 33-T27S-R29W	<b>MD Reference:</b> WELL @ 2765.0usft (Original Well Elev)
<b>Well:</b> Yost 2729 1-33H/ Job #04104-431-22/ Lariat 20	<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> Gray County, KS (NAD27)		
<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 33-T27S-R29W				
<b>Site Position:</b>	<b>Northing:</b>	364,146.00 usft	<b>Latitude:</b>	37° 38' 58.525 N
<b>From:</b> Map	<b>Easting:</b>	1,419,133.00 usft	<b>Longitude:</b>	100° 30' 23.246 W
<b>Position Uncertainty:</b> 0.0 usft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b>	-1.23 °

<b>Well</b> Yost 2729 1-33H/ Job #04104-431-22/ Lariat 20						
<b>Well Position</b>	<b>+N/-S</b>	0.0 usft	<b>Northing:</b>	369,155.60 usft	<b>Latitude:</b>	37° 39' 48.535 N
	<b>+E/-W</b>	0.0 usft	<b>Easting:</b>	1,421,447.81 usft	<b>Longitude:</b>	100° 29' 55.804 W
<b>Position Uncertainty</b>		0.0 usft	<b>Wellhead Elevation:</b>	usft	<b>Ground Level:</b>	2,747.0 usft

<b>Wellbore</b> Wellbore #1					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2013/02/12	6.05	65.39	51,904

<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 (°)	
	0.0	0.0	0.0		180.86

<b>Survey Program</b> Date 2013/03/04					
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
1,703.0	9,033.0	Archer MWD Surveys (Wellbore #1)	MWD	MWD - Standard	

<b>Survey</b>										
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	
1,703.0	0.50	188.20	1,703.0	-7.4	-1.1	7.4	0.03	0.03	0.00	
<b>First Archer MWD Survey</b>										
1,889.0	0.40	115.60	1,889.0	-8.4	-0.6	8.4	0.29	-0.05	-39.03	
2,367.0	0.40	170.30	2,367.0	-10.8	1.2	10.8	0.08	0.00	11.44	
2,842.0	0.70	203.80	2,841.9	-15.1	0.3	15.1	0.09	0.06	7.05	
3,317.0	1.50	196.40	3,316.9	-23.7	-2.6	23.7	0.17	0.17	-1.56	
3,792.0	1.00	198.50	3,791.7	-33.6	-5.7	33.7	0.11	-0.11	0.44	
4,047.0	1.30	218.60	4,046.7	-38.0	-8.2	38.1	0.20	0.12	7.88	
4,138.0	1.70	210.60	4,137.7	-39.9	-9.5	40.1	0.50	0.44	-8.79	



# Archer

## Survey Report

<b>Company:</b>	Sandridge Energy, INC.(mid-con.)	<b>Local Co-ordinate Reference:</b>	Well Yost 2729 1-33H/ Job #04104-431-22/ Lariat 20
<b>Project:</b>	Gray County, KS (NAD27)	<b>TVD Reference:</b>	WELL @ 2765.0usft (Original Well Elev)
<b>Site:</b>	Sec 33-T27S-R29W	<b>MD Reference:</b>	WELL @ 2765.0usft (Original Well Elev)
<b>Well:</b>	Yost 2729 1-33H/ Job #04104-431-22/ Lariat 20	<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)	
4,169.0	1.70	191.50	4,168.6	-40.8	-9.9	40.9	1.82	0.00	-61.61	
4,201.0	2.90	173.70	4,200.6	-42.1	-9.9	42.2	4.32	3.75	-55.63	
4,232.0	4.70	168.70	4,231.5	-44.1	-9.5	44.2	5.90	5.81	-16.13	
4,264.0	6.30	165.60	4,263.4	-47.1	-8.8	47.2	5.08	5.00	-9.69	
4,296.0	7.70	170.00	4,295.2	-50.9	-8.0	51.0	4.68	4.38	13.75	
4,328.0	9.20	173.20	4,326.8	-55.5	-7.4	55.6	4.91	4.69	10.00	
4,359.0	11.60	170.10	4,357.3	-61.1	-6.5	61.2	7.95	7.74	-10.00	
4,391.0	14.20	167.70	4,388.5	-68.1	-5.1	68.1	8.29	8.13	-7.50	
4,422.0	15.90	168.50	4,418.4	-76.0	-3.5	76.0	5.52	5.48	2.58	
4,454.0	17.10	169.70	4,449.1	-84.9	-1.8	84.9	3.90	3.75	3.75	
4,486.0	19.70	167.50	4,479.5	-94.8	0.2	94.8	8.41	8.13	-6.88	
4,517.0	22.50	166.50	4,508.4	-105.6	2.8	105.6	9.11	9.03	-3.23	
4,549.0	25.00	168.00	4,537.7	-118.2	5.6	118.1	8.04	7.81	4.69	
4,581.0	27.20	167.80	4,566.4	-132.0	8.6	131.8	6.88	6.88	-0.63	
4,612.0	29.20	168.60	4,593.7	-146.3	11.5	146.1	6.57	6.45	2.58	
4,644.0	31.20	169.70	4,621.4	-162.1	14.6	161.9	6.48	6.25	3.44	
4,676.0	33.60	171.10	4,648.4	-179.0	17.4	178.7	7.86	7.50	4.38	
4,707.0	35.90	171.40	4,673.9	-196.5	20.1	196.2	7.44	7.42	0.97	
4,739.0	37.20	173.50	4,699.6	-215.4	22.6	215.0	5.64	4.06	6.56	
4,771.0	38.90	173.70	4,724.8	-235.0	24.8	234.6	5.33	5.31	0.63	
4,802.0	41.50	172.20	4,748.5	-254.8	27.3	254.4	8.95	8.39	-4.84	
4,834.0	44.40	172.60	4,771.9	-276.4	30.1	276.0	9.10	9.06	1.25	
4,866.0	46.20	172.70	4,794.4	-299.0	33.1	298.5	5.63	5.63	0.31	
4,897.0	47.70	173.30	4,815.5	-321.5	35.8	320.9	5.04	4.84	1.94	
4,929.0	49.80	174.20	4,836.6	-345.4	38.4	344.8	6.89	6.56	2.81	
4,960.0	50.00	173.90	4,856.6	-369.0	40.9	368.3	0.98	0.65	-0.97	
4,992.0	49.70	173.90	4,877.2	-393.3	43.5	392.6	0.94	-0.94	0.00	
5,024.0	49.00	172.70	4,898.1	-417.4	46.3	416.7	3.59	-2.19	-3.75	
5,055.0	49.00	173.00	4,918.4	-440.6	49.2	439.8	0.73	0.00	0.97	
5,087.0	48.90	172.30	4,939.4	-464.6	52.3	463.7	1.68	-0.31	-2.19	
5,119.0	48.70	172.10	4,960.5	-488.4	55.6	487.5	0.78	-0.63	-0.63	
5,150.0	50.50	172.50	4,980.6	-511.8	58.7	510.9	5.89	5.81	1.29	
5,182.0	53.10	172.50	5,000.4	-536.7	62.0	535.8	8.13	8.13	0.00	
5,214.0	56.00	173.30	5,019.0	-562.6	65.2	561.6	9.29	9.06	2.50	
5,245.0	59.80	173.30	5,035.4	-588.7	68.3	587.6	12.26	12.26	0.00	
5,277.0	63.20	173.80	5,050.7	-616.6	71.5	615.5	10.71	10.63	1.56	
5,309.0	65.60	175.50	5,064.5	-645.4	74.2	644.2	8.90	7.50	5.31	
5,340.0	68.80	177.10	5,076.5	-673.9	76.0	672.7	11.37	10.32	5.16	
5,372.0	72.00	178.50	5,087.3	-704.0	77.1	702.8	10.82	10.00	4.38	
5,403.0	74.10	180.20	5,096.3	-733.6	77.5	732.4	8.57	6.77	5.48	
5,435.0	77.40	181.70	5,104.2	-764.6	77.0	763.4	11.27	10.31	4.69	
5,467.0	81.50	182.40	5,110.0	-796.1	75.8	794.9	12.99	12.81	2.19	

# Archer

## Survey Report

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<b>Project:</b>	Gray County, KS (NAD27)	<b>TVD Reference:</b>	WELL @ 2765.0usft (Original Well Elev)
<b>Site:</b>	Sec 33-T27S-R29W	<b>MD Reference:</b>	WELL @ 2765.0usft (Original Well Elev)
<b>Well:</b>	Yost 2729 1-33H/ Job #04104-431-22/ Lariat 20	<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)
5,498.0	85.00	183.60	5,113.7	-826.8	74.2	825.6	11.93	11.29	3.87
5,551.0	87.10	183.90	5,117.3	-879.6	70.8	878.4	4.00	3.96	0.57
5,581.0	87.60	183.90	5,118.7	-909.5	68.7	908.3	1.67	1.67	0.00
5,612.0	87.60	183.90	5,120.0	-940.4	66.6	939.3	0.00	0.00	0.00
5,642.0	89.20	183.90	5,120.9	-970.3	64.6	969.2	5.33	5.33	0.00
5,673.0	90.00	183.80	5,121.1	-1,001.2	62.5	1,000.2	2.60	2.58	-0.32
5,703.0	90.50	183.40	5,120.9	-1,031.2	60.6	1,030.1	2.13	1.67	-1.33
5,734.0	90.70	183.20	5,120.6	-1,062.1	58.8	1,061.1	0.91	0.65	-0.65
5,764.0	91.10	183.30	5,120.1	-1,092.1	57.1	1,091.1	1.37	1.33	0.33
5,795.0	91.50	183.80	5,119.4	-1,123.0	55.2	1,122.0	2.07	1.29	1.61
5,825.0	91.10	183.40	5,118.8	-1,152.9	53.3	1,152.0	1.89	-1.33	-1.33
5,856.0	90.90	183.10	5,118.2	-1,183.9	51.6	1,183.0	1.16	-0.65	-0.97
5,887.0	90.80	183.20	5,117.8	-1,214.8	49.9	1,213.9	0.46	-0.32	0.32
5,917.0	90.90	183.20	5,117.3	-1,244.8	48.2	1,243.9	0.33	0.33	0.00
5,948.0	90.50	183.10	5,116.9	-1,275.7	46.5	1,274.9	1.33	-1.29	-0.32
5,978.0	90.10	182.70	5,116.8	-1,305.7	45.0	1,304.9	1.89	-1.33	-1.33
6,009.0	90.30	182.70	5,116.7	-1,336.6	43.5	1,335.8	0.65	0.65	0.00
6,039.0	91.10	182.50	5,116.3	-1,366.6	42.2	1,365.8	2.75	2.67	-0.67
6,070.0	91.30	182.60	5,115.7	-1,397.6	40.8	1,396.8	0.72	0.65	0.32
6,101.0	91.40	182.40	5,114.9	-1,428.5	39.4	1,427.8	0.72	0.32	-0.65
6,131.0	91.40	182.30	5,114.2	-1,458.5	38.2	1,457.8	0.33	0.00	-0.33
6,162.0	91.70	182.20	5,113.4	-1,489.5	37.0	1,488.7	1.02	0.97	-0.32
6,192.0	92.00	182.40	5,112.4	-1,519.4	35.8	1,518.7	1.20	1.00	0.67
6,222.0	92.10	182.50	5,111.3	-1,549.4	34.5	1,548.7	0.47	0.33	0.33
6,253.0	92.10	182.40	5,110.2	-1,580.3	33.2	1,579.7	0.32	0.00	-0.32
6,283.0	91.30	183.10	5,109.3	-1,610.3	31.7	1,609.6	3.54	-2.67	2.33
6,314.0	91.00	183.10	5,108.7	-1,641.2	30.1	1,640.6	0.97	-0.97	0.00
6,344.0	91.30	183.60	5,108.1	-1,671.2	28.3	1,670.6	1.94	1.00	1.67
6,375.0	91.60	183.10	5,107.3	-1,702.1	26.5	1,701.5	1.88	0.97	-1.61
6,405.0	90.80	183.20	5,106.6	-1,732.1	24.8	1,731.5	2.69	-2.67	0.33
6,436.0	89.90	183.40	5,106.5	-1,763.0	23.1	1,762.5	2.97	-2.90	0.65
6,466.0	89.90	183.50	5,106.5	-1,792.9	21.3	1,792.4	0.33	0.00	0.33
6,497.0	89.50	183.10	5,106.7	-1,823.9	19.5	1,823.4	1.82	-1.29	-1.29
6,527.0	89.40	183.10	5,107.0	-1,853.9	17.8	1,853.4	0.33	-0.33	0.00
6,558.0	89.40	182.70	5,107.3	-1,884.8	16.3	1,884.4	1.29	0.00	-1.29
6,588.0	89.40	182.80	5,107.6	-1,914.8	14.8	1,914.3	0.33	0.00	0.33
6,619.0	89.40	182.70	5,107.9	-1,945.7	13.3	1,945.3	0.32	0.00	-0.32
6,649.0	89.80	182.70	5,108.1	-1,975.7	11.9	1,975.3	1.33	1.33	0.00
6,695.0	90.30	182.80	5,108.1	-2,021.6	9.7	2,021.3	1.11	1.09	0.22
6,744.0	90.70	182.40	5,107.7	-2,070.6	7.5	2,070.3	1.15	0.82	-0.82
6,790.0	90.40	182.10	5,107.2	-2,116.6	5.7	2,116.2	0.92	-0.65	-0.65
6,839.0	88.70	180.90	5,107.6	-2,165.5	4.4	2,165.2	4.25	-3.47	-2.45
6,885.0	88.70	180.50	5,108.7	-2,211.5	3.9	2,211.2	0.87	0.00	-0.87

# Archer

## Survey Report

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<b>Project:</b>	Gray County, KS (NAD27)	<b>TVD Reference:</b>	WELL @ 2765.0usft (Original Well Elev)
<b>Site:</b>	Sec 33-T27S-R29W	<b>MD Reference:</b>	WELL @ 2765.0usft (Original Well Elev)
<b>Well:</b>	Yost 2729 1-33H/ Job #04104-431-22/ Lariat 20	<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)	
6,934.0	89.30	180.30	5,109.5	-2,260.5	3.5	2,260.2	1.29	1.22	-0.41	
6,980.0	89.30	180.70	5,110.1	-2,306.5	3.1	2,306.2	0.87	0.00	0.87	
7,029.0	89.50	181.10	5,110.6	-2,355.5	2.3	2,355.2	0.91	0.41	0.82	
7,075.0	89.70	181.00	5,110.9	-2,401.5	1.5	2,401.2	0.49	0.43	-0.22	
7,124.0	90.30	181.00	5,110.9	-2,450.5	0.6	2,450.2	1.22	1.22	0.00	
7,170.0	90.50	181.10	5,110.6	-2,496.5	-0.2	2,496.2	0.49	0.43	0.22	
7,219.0	90.80	181.00	5,110.0	-2,545.5	-1.1	2,545.2	0.65	0.61	-0.20	
7,265.0	91.30	181.00	5,109.2	-2,591.4	-1.9	2,591.2	1.09	1.09	0.00	
7,314.0	91.60	181.10	5,107.9	-2,640.4	-2.8	2,640.2	0.65	0.61	0.20	
7,360.0	92.90	181.80	5,106.1	-2,686.4	-4.0	2,686.1	3.21	2.83	1.52	
7,409.0	92.60	181.60	5,103.8	-2,735.3	-5.4	2,735.1	0.74	-0.61	-0.41	
7,455.0	91.30	182.10	5,102.2	-2,781.2	-6.9	2,781.0	3.03	-2.83	1.09	
7,504.0	90.30	182.40	5,101.5	-2,830.2	-8.8	2,830.0	2.13	-2.04	0.61	
7,550.0	89.80	182.50	5,101.5	-2,876.2	-10.8	2,876.0	1.11	-1.09	0.22	
7,599.0	89.20	182.40	5,101.9	-2,925.1	-12.9	2,925.0	1.24	-1.22	-0.20	
7,644.0	89.00	182.40	5,102.6	-2,970.1	-14.8	2,970.0	0.44	-0.44	0.00	
7,694.0	89.50	182.70	5,103.3	-3,020.0	-17.0	3,019.9	1.17	1.00	0.60	
7,739.0	89.80	182.50	5,103.6	-3,065.0	-19.0	3,064.9	0.80	0.67	-0.44	
7,789.0	89.90	182.40	5,103.7	-3,114.9	-21.2	3,114.9	0.28	0.20	-0.20	
7,834.0	90.20	182.60	5,103.7	-3,159.9	-23.1	3,159.9	0.80	0.67	0.44	
7,884.0	90.50	183.10	5,103.3	-3,209.8	-25.6	3,209.8	1.17	0.60	1.00	
7,929.0	89.40	182.60	5,103.4	-3,254.8	-27.9	3,254.8	2.69	-2.44	-1.11	
7,979.0	90.60	182.80	5,103.4	-3,304.7	-30.2	3,304.8	2.43	2.40	0.40	
8,024.0	90.90	182.50	5,102.8	-3,349.6	-32.3	3,349.8	0.94	0.67	-0.67	
8,074.0	90.40	182.00	5,102.2	-3,399.6	-34.3	3,399.7	1.41	-1.00	-1.00	
8,119.0	89.70	181.20	5,102.2	-3,444.6	-35.5	3,444.7	2.36	-1.56	-1.78	
8,169.0	88.90	181.20	5,102.8	-3,494.6	-36.6	3,494.7	1.60	-1.60	0.00	
8,214.0	87.80	180.50	5,104.1	-3,539.5	-37.2	3,539.7	2.90	-2.44	-1.56	
8,264.0	87.50	180.40	5,106.1	-3,589.5	-37.6	3,589.7	0.63	-0.60	-0.20	
8,309.0	87.30	180.20	5,108.2	-3,634.5	-37.9	3,634.6	0.63	-0.44	-0.44	
8,359.0	87.30	179.70	5,110.5	-3,684.4	-37.8	3,684.6	1.00	0.00	-1.00	
8,404.0	88.40	179.20	5,112.2	-3,729.4	-37.4	3,729.5	2.68	2.44	-1.11	
8,454.0	89.70	179.50	5,113.1	-3,779.4	-36.8	3,779.5	2.67	2.60	0.60	
8,499.0	90.80	178.80	5,112.9	-3,824.3	-36.1	3,824.5	2.90	2.44	-1.56	
8,549.0	91.30	178.70	5,111.9	-3,874.3	-35.0	3,874.4	1.02	1.00	-0.20	
8,594.0	91.60	178.10	5,110.8	-3,919.3	-33.8	3,919.4	1.49	0.67	-1.33	
8,644.0	93.50	177.70	5,108.6	-3,969.2	-32.0	3,969.2	3.88	3.80	-0.80	
8,689.0	94.70	177.60	5,105.4	-4,014.1	-30.1	4,014.1	2.68	2.67	-0.22	
8,739.0	95.20	177.40	5,101.1	-4,063.8	-28.0	4,063.8	1.08	1.00	-0.40	
8,784.0	95.70	177.70	5,096.8	-4,108.6	-26.0	4,108.5	1.29	1.11	0.67	
8,833.0	95.80	178.40	5,091.9	-4,157.3	-24.4	4,157.2	1.44	0.20	1.43	
8,879.0	95.60	179.50	5,087.3	-4,203.1	-23.5	4,202.9	2.42	-0.43	2.39	

# Archer Survey Report

<b>Company:</b>	Sandridge Energy, INC.(mid-con.)	<b>Local Co-ordinate Reference:</b>	Well Yost 2729 1-33H/ Job #04104-431-22/ Lariat 20
<b>Project:</b>	Gray County, KS (NAD27)	<b>TVD Reference:</b>	WELL @ 2765.0usft (Original Well Elev)
<b>Site:</b>	Sec 33-T27S-R29W	<b>MD Reference:</b>	WELL @ 2765.0usft (Original Well Elev)
<b>Well:</b>	Yost 2729 1-33H/ Job #04104-431-22/ Lariat 20	<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)
8,928.0	94.90	180.70	5,082.8	-4,251.9	-23.6	4,251.7	2.83	-1.43	2.45
8,974.0	93.60	181.90	5,079.4	-4,297.7	-24.7	4,297.6	3.84	-2.83	2.61
8,983.0	93.10	182.50	5,078.9	-4,306.7	-25.0	4,306.6	8.67	-5.56	6.67
<b>Last Archer MWD Survey</b>									
9,033.0	93.10	182.50	5,076.2	-4,356.6	-27.2	4,356.5	0.00	0.00	0.00
<b>Projection to TD - PBHL Yost 1-33H</b>									

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
1,703.0	1,703.0	-7.4	-1.1	First Archer MWD Survey	
8,983.0	5,078.9	-4,306.7	-25.0	Last Archer MWD Survey	
9,033.0	5,076.2	-4,356.6	-27.2	Projection to TD	

Checked By: _____	Approved By: _____	Date: _____
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# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	4/5/2013
Job End Date:	4/7/2013
State:	Kansas
County:	Gray
API Number:	15-069-20430-01-00
Operator Name:	SandRidge Energy
Well Name and Number:	Yost 2729 1-33H
Longitude:	-100.49880000
Latitude:	37.66340000
Datum:	NAD27
Federal/Tribal Well:	NO
Total Base Water Volume (gal):	537,315
Total Base Non Water Volume:	



## Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.							
HCL 15, Slickwater, WF130	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, AntiFoam Agent, Surfactant, Acid, Diverting Agent, Breaker, Gelling Agent, Iron Cont					
			Water (Including Mix Water Supplied by Client)*			94.71454	
			Hydrogen chloride	7647-01-0	87.12983	4.60521	
			Sodium chloride	7647-14-5	3.97832	0.21027	
			Ethanaminium,n,n,n-trimethyl-methyl-oxo, chloride, polymer with propenamide	35429-19-7	2.93647	0.15521	
			Distillates (petroleum), hydrotreated light	64742-47-8	1.96657	0.10394	
			Guar gum	9000-30-0	1.46664	0.07752	
			Sodium erythorbate	6381-77-7	0.63741	0.03369	
			Methanol	67-56-1	0.44714	0.02363	
			Alcohols, c11-15-secondary, ethoxylated	68131-40-8	0.31746	0.01678	
			Sorbitan monooleate	1338-43-8	0.24260	0.01282	
			Alcohol, C11 linear, ethoxylated	84398-01-1	0.15128	0.00800	

		Fatty acids, tall-oil	61790-12-3	0.10569	0.00559
		Alcohol, C9-C11, Ethoxylated	68439-46-3	0.10085	0.00533
		Thiourea, polymer with formaldehyde and 1-phenylethanone	68527-49-1	0.08698	0.00460
		Glutaraldehyde	111-30-8	0.06630	0.00350
		Acrylamide/ammonium acrylate copolymer	26100-47-0	0.05153	0.00272
		Diammonium peroxidisulphate	7727-54-0	0.04396	0.00232
		Alcohols, C14-15, ethoxylated (7EO)	68951-67-7	0.04048	0.00214
		Ammonium chloride	12125-02-9	0.02963	0.00157
		Prop-2-yn-1-ol	107-19-7	0.02698	0.00143
		Trisodium ortho phosphate	7601-54-9	0.02536	0.00134
		Alkenes, C>10 a-	64743-02-8	0.01799	0.00095
		Alkyl(c12-16) dimethylbenzyl ammonium chloride	68424-85-1	0.01184	0.00063
		Polypropylene glycol	25322-69-4	0.01001	0.00053
		Ethane-1,2-diol	107-21-1	0.00722	0.00038
		Ethoxylated oleic acid	9004-96-0	0.00515	0.00027
		Non-crystalline silica	7631-86-9	0.00400	0.00021
		Sorbitol Tetraoleate	61723-83-9	0.00322	0.00017
		Alcohols, C12-C14, ethoxylated	68439-50-9	0.00265	0.00014
		Alcohols, C10-C16, ethoxylated	68002-97-1	0.00265	0.00014
		Alcohols, C12-C16, ethoxylated	68551-12-2	0.00268	0.00014
		Ethanol	64-17-5	0.00142	0.00008
		2-Propenoic acid, ammonium salt	10604-69-0	0.00129	0.00007
		C14 alpha olefin ethoxylate	84133-50-6	0.00142	0.00007

\* Total Water Volume sources may include fresh water, produced water, and/or recycled water

\*\* Information is based on the maximum potential for concentration and thus the total may be over 100%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided. Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

Section 29  
27S 29W

Section 28  
27S 29W

YOST 2729 1-33H



Miss Entry: 5178'  
-100.49901 37.662036

Top Perf: 6841'  
-100.49909 37.65756

Section 32  
27S 29W

Section 33  
27S 29W

Gray County

Bottom Perf: 8568'  
-100.4991 37.652866

BHL: 9033'  
-100.49903 37.651542

2289' FWL

728' FSL

Section 5  
28S 29W

Section 4  
28S 29W



Actual Bottom-Hole Location of Yost 2729 1-33H  
Gray County, Kansas  
T&R: 27S 29W  
Section: 33, 2289' FWL & 728' FSL  
Long/Lat:-100.49903 37.651542

1 in = 667 ft



● Actual BH Location

\* SandRidge Wells

--- Perf

□ Sections

0 500 1,000 2,000 Feet

Draftsman:

Aaron Birk

Draft Date: 5/30/2013

Drawing Name/Number:

Addendum\_Yost 2729 1-33H .mxd

Coordinate System:

NAD 1927 State Plane  
Kansas South FIPS: 1502

## Remarks

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Tiffany Golay  
05/17/013 07:45 am

Weinett Disposal LLC: section 1079 Block 43

Tiffany Golay  
05/14/013 12:22 pm

Conductor weight: 106.5 lbs/ft