



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1087972
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: _____

1087972

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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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> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Millershaski 2629 1-15H
Doc ID	1087972

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	8989-9200	5376 bbls water, 36 bbls acid, 100 lbs sd, 5412 TLTR	
6	8614-8837	5372 bbls water, 36 bbls acid, 100 lbs sd, 10929 TLTR	
6	8211-8468	5355 bbls water, 36 bbls acid, 100 lbs sd, 16398 TLTR	
6	7823-8097	5291 bbls water, 36 bbls acid, 100 lbs sd, 21794 TLTR	
6	7456-7712	5323 bbls water, 36 bbls acid, 100 lbs sd, 27213 TLTR	
6	7088-7324	5329 bbls water, 36 bbls acid, 100 lbs sd, 32624 TLTR	
6	6686-6937	5335 bbls water, 36 bbls acid, 100 lbs sd, 38015 TLTR	
6	6288-6573	5213 bbls water, 36 bbls acid, 100 lbs sd, 43279 TLTR	
6	5941-6190	3834 bbls water, 36 bbls acid, 87M lbs sd, 47144 TLTR	

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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	120	Mid-Continent Conductor 8 sack grout	10	none
Surface	12.25	9.63	36	1580	Halliburton Extendacem and swiftcem systems	590	3% Calcium Chloride, .25 lbm Poly-E-Flake
Intermediate	8.75	7	26	5429	Halliburton Econocem and Halcem Systems	250	.4% Halad(R)-9, 2lbm Kol-Seal, 2% Bentonite
Production	6.12	4.5	11.6	9346	Halliburton Econocem System	450	.4% Halad(R)-9, 2lbm 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
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

July 19, 2012

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

Re: ACO1
API 15-069-20375-01-00
Millershaski 2629 1-15H
SW/4 Sec.15-26S-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



Archer Directional Drilling Services

Survey Report



Company:	Sandridge Energy, INC.(mid-con.)	Local Co-ordinate Reference:	Well Millershaski 2629 1-15H
Project:	Gray County (KA27N)	TVD Reference:	WELL @ 2761.0usft (Original Well Elev)
Site:	Sec. 15-T26S-R29W	MD Reference:	WELL @ 2761.0usft (Original Well Elev)
Well:	Millershaski 2629 1-15H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	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. 15-T26S-R29W		
Site Position:		Northing:	411,929.72 usft
From:	Map	Easting:	1,426,075.79 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	37° 46' 52.324 N
		Longitude:	100° 29' 9.591 W
		Grid Convergence:	-1.22 °

Well	Millershaski 2629 1-15H		
Well Position	+N/-S	0.0 usft	Northing: 411,929.72 usft
	+E/-W	0.0 usft	Easting: 1,426,075.79 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	37° 46' 52.324 N
		Longitude:	100° 29' 9.591 W
		Ground Level:	2,741.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2012/06/11	6.13	65.51	52,043

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	1.33

Survey Program	Date	2012/06/28		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
250.0	1,563.0	GYRO (Wellbore #1)	GYD_CT	Gyrodata continuous
1,750.0	9,346.0	Archer MWD (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
250.0	0.40	83.70	250.0	0.1	0.9	0.1	0.16	0.16	0.00
499.0	1.00	83.70	499.0	0.4	3.9	0.5	0.24	0.24	0.00
749.0	1.00	83.70	748.9	0.9	8.2	1.1	0.00	0.00	0.00
1,031.0	0.30	83.70	1,030.9	1.3	11.4	1.5	0.25	-0.25	0.00
1,281.0	0.60	83.70	1,280.9	1.5	13.4	1.8	0.12	0.12	0.00
1,563.0	0.80	83.70	1,562.9	1.9	16.8	2.2	0.07	0.07	0.00
Last Gyro									
1,750.0	0.00	83.70	1,749.9	2.0	18.1	2.4	0.43	-0.43	0.00
2,228.0	0.30	47.90	2,227.9	2.8	19.0	3.3	0.06	0.06	0.00



Archer Directional Drilling Services

Survey Report



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Site:	Sec. 15-T26S-R29W	MD Reference:	WELL @ 2761.0usft (Original Well Elev)
Well:	Millershaski 2629 1-15H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	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)
2,706.0	0.30	34.90	2,705.9	4.7	20.7	5.2	0.01	0.00	-2.72
3,184.0	0.50	323.00	3,183.9	7.4	20.1	7.9	0.10	0.04	-15.04
3,662.0	0.30	278.10	3,661.9	9.2	17.6	9.6	0.07	-0.04	-9.39
3,853.0	0.60	284.40	3,852.8	9.6	16.2	9.9	0.16	0.16	3.30
3,948.0	0.60	261.60	3,947.8	9.6	15.2	10.0	0.25	0.00	-24.00
4,012.0	0.60	291.10	4,011.8	9.7	14.5	10.0	0.48	0.00	46.09
4,042.0	0.40	266.40	4,041.8	9.7	14.3	10.1	0.97	-0.67	-82.33
4,074.0	0.60	348.00	4,073.8	9.9	14.1	10.2	2.10	0.63	255.00
4,106.0	2.70	355.70	4,105.8	10.8	14.1	11.1	6.58	6.56	24.06
4,138.0	4.40	4.50	4,137.8	12.8	14.1	13.1	5.56	5.31	27.50
4,170.0	6.40	9.50	4,169.6	15.8	14.5	16.1	6.41	6.25	15.63
4,201.0	8.40	8.00	4,200.4	19.7	15.1	20.0	6.48	6.45	-4.84
4,233.0	10.70	3.10	4,231.9	25.0	15.6	25.3	7.62	7.19	-15.31
4,265.0	11.80	4.80	4,263.3	31.2	16.0	31.6	3.59	3.44	5.31
4,297.0	14.30	5.70	4,294.5	38.4	16.7	38.8	7.84	7.81	2.81
4,329.0	16.80	5.60	4,325.3	46.9	17.5	47.3	7.81	7.81	-0.31
4,361.0	19.60	3.80	4,355.7	56.9	18.3	57.3	8.92	8.75	-5.63
4,393.0	22.20	1.50	4,385.6	68.3	18.8	68.7	8.52	8.13	-7.19
4,425.0	24.80	1.10	4,414.9	81.1	19.1	81.5	8.14	8.13	-1.25
4,456.0	27.20	1.80	4,442.8	94.6	19.5	95.1	7.80	7.74	2.26
4,488.0	29.60	1.00	4,470.9	109.9	19.8	110.3	7.59	7.50	-2.50
4,520.0	32.00	359.80	4,498.4	126.2	19.9	126.7	7.74	7.50	-3.75
4,552.0	34.40	358.70	4,525.2	143.8	19.7	144.2	7.73	7.50	-3.44
4,584.0	36.30	358.40	4,551.3	162.3	19.2	162.7	5.96	5.94	-0.94
4,616.0	37.70	357.60	4,576.9	181.5	18.6	181.9	4.63	4.38	-2.50
4,648.0	38.10	357.50	4,602.1	201.2	17.7	201.5	1.26	1.25	-0.31
4,680.0	39.50	357.40	4,627.0	221.2	16.8	221.5	4.38	4.38	-0.31
4,712.0	42.30	357.90	4,651.2	242.1	16.0	242.4	8.81	8.75	1.56
4,743.0	45.60	357.90	4,673.5	263.6	15.2	263.9	10.65	10.65	0.00
4,775.0	48.70	357.40	4,695.3	287.0	14.2	287.3	9.75	9.69	-1.56
4,807.0	49.80	356.90	4,716.2	311.3	13.0	311.5	3.64	3.44	-1.56
4,839.0	49.80	356.60	4,736.8	335.7	11.6	335.8	0.72	0.00	-0.94
4,871.0	49.90	356.50	4,757.5	360.1	10.2	360.2	0.39	0.31	-0.31
4,903.0	49.80	356.10	4,778.1	384.5	8.6	384.6	1.01	-0.31	-1.25
4,935.0	49.40	355.50	4,798.8	408.8	6.8	408.8	1.90	-1.25	-1.88
4,967.0	49.10	355.70	4,819.7	433.0	4.9	433.0	1.05	-0.94	0.63
4,999.0	50.90	356.30	4,840.3	457.4	3.2	457.4	5.81	5.63	1.88
5,031.0	54.30	357.50	4,859.7	482.8	1.9	482.7	11.03	10.63	3.75
5,063.0	57.50	358.70	4,877.7	509.3	1.0	509.2	10.47	10.00	3.75
5,095.0	60.20	360.00	4,894.2	536.7	0.7	536.5	9.13	8.44	4.06
5,127.0	63.20	1.40	4,909.4	564.8	1.0	564.7	10.14	9.38	4.38
5,159.0	66.50	2.30	4,923.0	593.8	2.0	593.7	10.62	10.31	2.81
5,191.0	69.50	2.30	4,935.0	623.4	3.2	623.3	9.38	9.38	0.00



Archer Directional Drilling Services

Survey Report



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Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	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)
5,223.0	71.90	2.00	4,945.6	653.6	4.3	653.5	7.55	7.50	-0.94
5,255.0	73.80	2.30	4,955.0	684.1	5.4	684.1	6.00	5.94	0.94
5,287.0	76.40	2.60	4,963.2	715.0	6.8	715.0	8.18	8.13	0.94
5,319.0	79.80	2.30	4,969.8	746.3	8.1	746.3	10.66	10.63	-0.94
5,351.0	82.30	1.50	4,974.8	777.9	9.1	777.9	8.19	7.81	-2.50
5,383.0	85.30	1.90	4,978.3	809.7	10.1	809.7	9.46	9.38	1.25
5,408.0	86.60	2.10	4,980.0	834.6	11.0	834.7	5.26	5.20	0.80
5,477.0	88.60	2.00	4,982.9	903.5	13.4	903.6	2.90	2.90	-0.14
5,508.0	90.20	2.20	4,983.2	934.5	14.6	934.6	5.20	5.16	0.65
5,539.0	91.40	2.30	4,982.8	965.5	15.8	965.6	3.88	3.87	0.32
5,570.0	91.80	2.50	4,981.9	996.4	17.1	996.6	1.44	1.29	0.65
5,602.0	91.80	2.60	4,980.9	1,028.4	18.5	1,028.5	0.31	0.00	0.31
5,633.0	91.80	2.10	4,980.0	1,059.3	19.8	1,059.5	1.61	0.00	-1.61
5,664.0	92.20	2.30	4,978.9	1,090.3	21.0	1,090.5	1.44	1.29	0.65
5,695.0	92.40	2.00	4,977.6	1,121.2	22.1	1,121.5	1.16	0.65	-0.97
5,727.0	92.80	2.10	4,976.2	1,153.2	23.3	1,153.4	1.29	1.25	0.31
5,758.0	92.00	1.70	4,974.9	1,184.1	24.3	1,184.4	2.88	-2.58	-1.29
5,789.0	91.60	2.10	4,973.9	1,215.1	25.3	1,215.4	1.82	-1.29	1.29
5,821.0	91.70	1.70	4,973.0	1,247.1	26.4	1,247.4	1.29	0.31	-1.25
5,852.0	92.20	1.70	4,971.9	1,278.1	27.3	1,278.3	1.61	1.61	0.00
5,883.0	92.50	1.60	4,970.7	1,309.0	28.2	1,309.3	1.02	0.97	-0.32
5,914.0	92.80	1.60	4,969.2	1,340.0	29.1	1,340.3	0.97	0.97	0.00
5,946.0	92.90	1.40	4,967.6	1,371.9	29.9	1,372.2	0.70	0.31	-0.63
5,977.0	92.00	1.40	4,966.3	1,402.9	30.6	1,403.2	2.90	-2.90	0.00
6,008.0	91.60	1.40	4,965.3	1,433.9	31.4	1,434.2	1.29	-1.29	0.00
6,040.0	91.90	1.10	4,964.4	1,465.8	32.1	1,466.2	1.33	0.94	-0.94
6,071.0	92.30	1.30	4,963.2	1,496.8	32.8	1,497.2	1.44	1.29	0.65
6,102.0	91.80	1.50	4,962.1	1,527.8	33.5	1,528.1	1.74	-1.61	0.65
6,133.0	91.30	1.80	4,961.3	1,558.8	34.4	1,559.1	1.88	-1.61	0.97
6,165.0	91.70	1.80	4,960.4	1,590.7	35.4	1,591.1	1.25	1.25	0.00
6,196.0	90.80	2.00	4,959.8	1,621.7	36.4	1,622.1	2.97	-2.90	0.65
6,227.0	89.80	1.80	4,959.6	1,652.7	37.5	1,653.1	3.29	-3.23	-0.65
6,259.0	90.20	2.00	4,959.6	1,684.7	38.5	1,685.1	1.40	1.25	0.63
6,290.0	90.40	1.80	4,959.4	1,715.6	39.6	1,716.1	0.91	0.65	-0.65
6,321.0	90.70	1.90	4,959.1	1,746.6	40.6	1,747.1	1.02	0.97	0.32
6,353.0	90.60	1.70	4,958.8	1,778.6	41.6	1,779.1	0.70	-0.31	-0.63
6,384.0	90.90	1.80	4,958.4	1,809.6	42.5	1,810.1	1.02	0.97	0.32
6,415.0	91.10	2.10	4,957.8	1,840.6	43.6	1,841.1	1.16	0.65	0.97
6,446.0	91.40	2.30	4,957.2	1,871.5	44.7	1,872.1	1.16	0.97	0.65
6,478.0	92.00	2.40	4,956.2	1,903.5	46.1	1,904.1	1.90	1.88	0.31
6,509.0	91.20	2.50	4,955.3	1,934.5	47.4	1,935.0	2.60	-2.58	0.32
6,540.0	89.80	1.90	4,955.1	1,965.4	48.6	1,966.0	4.91	-4.52	-1.94
6,572.0	89.50	2.10	4,955.3	1,997.4	49.7	1,998.0	1.13	-0.94	0.63



Archer Directional Drilling Services

Survey Report



Company:	Sandridge Energy, INC.(mid-con.)	Local Co-ordinate Reference:	Well Millershaski 2629 1-15H
Project:	Gray County (KA27N)	TVD Reference:	WELL @ 2761.0usft (Original Well Elev)
Site:	Sec. 15-T26S-R29W	MD Reference:	WELL @ 2761.0usft (Original Well Elev)
Well:	Millershaski 2629 1-15H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	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)	
6,603.0	89.80	2.20	4,955.5	2,028.4	50.9	2,029.0	1.02	0.97	0.32	
6,634.0	89.80	2.20	4,955.6	2,059.4	52.0	2,060.0	0.00	0.00	0.00	
6,665.0	90.20	2.20	4,955.6	2,090.3	53.2	2,091.0	1.29	1.29	0.00	
6,697.0	90.30	2.00	4,955.4	2,122.3	54.4	2,123.0	0.70	0.31	-0.63	
6,728.0	90.50	2.00	4,955.2	2,153.3	55.5	2,154.0	0.65	0.65	0.00	
6,760.0	90.80	2.10	4,954.8	2,185.3	56.6	2,186.0	0.99	0.94	0.31	
6,791.0	91.00	2.00	4,954.4	2,216.3	57.7	2,217.0	0.72	0.65	-0.32	
6,824.0	91.20	2.00	4,953.7	2,249.2	58.9	2,250.0	0.61	0.61	0.00	
6,855.0	91.40	2.10	4,953.0	2,280.2	60.0	2,281.0	0.72	0.65	0.32	
6,887.0	91.60	2.10	4,952.2	2,312.2	61.2	2,313.0	0.63	0.63	0.00	
6,919.0	91.50	1.70	4,951.3	2,344.1	62.2	2,345.0	1.29	-0.31	-1.25	
6,951.0	91.40	1.80	4,950.5	2,376.1	63.2	2,376.9	0.44	-0.31	0.31	
6,983.0	91.50	1.50	4,949.7	2,408.1	64.1	2,408.9	0.99	0.31	-0.94	
7,015.0	90.90	1.60	4,949.0	2,440.1	65.0	2,440.9	1.90	-1.88	0.31	
7,047.0	90.00	2.30	4,948.8	2,472.1	66.1	2,472.9	3.56	-2.81	2.19	
7,079.0	90.40	2.30	4,948.7	2,504.0	67.4	2,504.9	1.25	1.25	0.00	
7,111.0	90.30	1.90	4,948.5	2,536.0	68.5	2,536.9	1.29	-0.31	-1.25	
7,143.0	89.40	1.50	4,948.5	2,568.0	69.5	2,568.9	3.08	-2.81	-1.25	
7,175.0	88.70	1.50	4,949.1	2,600.0	70.3	2,600.9	2.19	-2.19	0.00	
7,207.0	88.80	1.10	4,949.8	2,632.0	71.1	2,632.9	1.29	0.31	-1.25	
7,239.0	89.10	1.40	4,950.4	2,663.9	71.8	2,664.9	1.33	0.94	0.94	
7,271.0	89.20	1.10	4,950.8	2,695.9	72.5	2,696.9	0.99	0.31	-0.94	
7,302.0	89.30	1.30	4,951.2	2,726.9	73.1	2,727.9	0.72	0.32	0.65	
7,334.0	89.50	1.20	4,951.6	2,758.9	73.8	2,759.9	0.70	0.63	-0.31	
7,366.0	89.80	1.30	4,951.8	2,790.9	74.5	2,791.9	0.99	0.94	0.31	
7,398.0	90.30	1.50	4,951.7	2,822.9	75.3	2,823.9	1.68	1.56	0.63	
7,430.0	90.40	1.30	4,951.6	2,854.9	76.1	2,855.9	0.70	0.31	-0.63	
7,462.0	89.50	1.30	4,951.6	2,886.9	76.8	2,887.9	2.81	-2.81	0.00	
7,494.0	89.30	0.90	4,951.9	2,918.9	77.4	2,919.9	1.40	-0.63	-1.25	
7,526.0	89.70	1.10	4,952.2	2,950.9	78.0	2,951.9	1.40	1.25	0.63	
7,558.0	89.90	1.20	4,952.3	2,982.9	78.6	2,983.9	0.70	0.63	0.31	
7,589.0	90.20	0.90	4,952.3	3,013.9	79.2	3,014.9	1.37	0.97	-0.97	
7,621.0	90.50	0.80	4,952.1	3,045.9	79.6	3,046.9	0.99	0.94	-0.31	
7,653.0	89.50	0.80	4,952.1	3,077.8	80.1	3,078.9	3.13	-3.13	0.00	
7,685.0	89.20	0.50	4,952.4	3,109.8	80.5	3,110.9	1.33	-0.94	-0.94	
7,717.0	89.50	0.60	4,952.8	3,141.8	80.8	3,142.9	0.99	0.94	0.31	
7,749.0	90.10	0.80	4,952.9	3,173.8	81.2	3,174.9	1.98	1.88	0.63	
7,781.0	90.30	0.80	4,952.8	3,205.8	81.6	3,206.9	0.63	0.63	0.00	
7,812.0	88.80	0.60	4,953.1	3,236.8	82.0	3,237.9	4.88	-4.84	-0.65	
7,844.0	87.90	0.50	4,954.0	3,268.8	82.3	3,269.8	2.83	-2.81	-0.31	
7,876.0	88.30	0.80	4,955.0	3,300.8	82.6	3,301.8	1.56	1.25	0.94	
7,908.0	88.30	0.50	4,956.0	3,332.8	83.0	3,333.8	0.94	0.00	-0.94	
7,940.0	88.60	0.60	4,956.9	3,364.8	83.3	3,365.8	0.99	0.94	0.31	
7,972.0	88.80	0.40	4,957.6	3,396.8	83.6	3,397.8	0.88	0.63	-0.63	



Archer Directional Drilling Services

Survey Report



Company:	Sandridge Energy, INC.(mid-con.)	Local Co-ordinate Reference:	Well Millershaski 2629 1-15H
Project:	Gray County (KA27N)	TVD Reference:	WELL @ 2761.0usft (Original Well Elev)
Site:	Sec. 15-T26S-R29W	MD Reference:	WELL @ 2761.0usft (Original Well Elev)
Well:	Millershaski 2629 1-15H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

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)
8,004.0	89.20	0.50	4,958.1	3,428.8	83.8	3,429.8	1.29	1.25	0.31
8,036.0	89.60	0.90	4,958.5	3,460.7	84.2	3,461.8	1.77	1.25	1.25
8,068.0	90.20	0.40	4,958.5	3,492.7	84.6	3,493.8	2.44	1.88	-1.56
8,100.0	89.30	1.20	4,958.7	3,524.7	85.0	3,525.8	3.76	-2.81	2.50
8,132.0	89.50	2.00	4,959.0	3,556.7	85.9	3,557.8	2.58	0.63	2.50
8,164.0	89.50	1.90	4,959.3	3,588.7	87.0	3,589.8	0.31	0.00	-0.31
8,196.0	89.60	2.10	4,959.5	3,620.7	88.1	3,621.8	0.70	0.31	0.63
8,228.0	90.10	2.10	4,959.6	3,652.7	89.3	3,653.8	1.56	1.56	0.00
8,259.0	90.90	2.40	4,959.3	3,683.6	90.5	3,684.7	2.76	2.58	0.97
8,291.0	89.80	2.30	4,959.1	3,715.6	91.8	3,716.7	3.45	-3.44	-0.31
8,323.0	89.40	2.50	4,959.4	3,747.6	93.2	3,748.7	1.40	-1.25	0.63
8,355.0	88.90	2.60	4,959.8	3,779.5	94.6	3,780.7	1.59	-1.56	0.31
8,387.0	89.10	2.80	4,960.4	3,811.5	96.1	3,812.7	0.88	0.63	0.63
8,419.0	89.40	2.50	4,960.8	3,843.5	97.6	3,844.7	1.33	0.94	-0.94
8,451.0	89.90	2.70	4,961.0	3,875.4	99.1	3,876.7	1.68	1.56	0.63
8,482.0	90.50	2.50	4,960.9	3,906.4	100.5	3,907.7	2.04	1.94	-0.65
8,514.0	89.70	2.20	4,960.9	3,938.4	101.8	3,939.7	2.67	-2.50	-0.94
8,546.0	89.20	2.00	4,961.2	3,970.4	102.9	3,971.7	1.68	-1.56	-0.63
8,578.0	89.30	2.10	4,961.6	4,002.3	104.1	4,003.7	0.44	0.31	0.31
8,610.0	89.40	2.10	4,961.9	4,034.3	105.3	4,035.7	0.31	0.31	0.00
8,642.0	89.10	1.90	4,962.4	4,066.3	106.4	4,067.7	1.13	-0.94	-0.63
8,674.0	89.10	1.90	4,962.9	4,098.3	107.4	4,099.7	0.00	0.00	0.00
8,706.0	89.20	1.70	4,963.3	4,130.2	108.4	4,131.6	0.70	0.31	-0.63
8,738.0	89.70	2.10	4,963.6	4,162.2	109.5	4,163.6	2.00	1.56	1.25
8,770.0	89.70	2.10	4,963.8	4,194.2	110.7	4,195.6	0.00	0.00	0.00
8,801.0	89.80	1.90	4,964.0	4,225.2	111.8	4,226.6	0.72	0.32	-0.65
8,833.0	90.20	2.00	4,964.0	4,257.2	112.8	4,258.6	1.29	1.25	0.31
8,865.0	90.20	1.90	4,963.8	4,289.1	113.9	4,290.6	0.31	0.00	-0.31
8,897.0	90.10	1.90	4,963.8	4,321.1	115.0	4,322.6	0.31	-0.31	0.00
8,929.0	90.20	1.70	4,963.7	4,353.1	116.0	4,354.6	0.70	0.31	-0.63
8,961.0	90.30	1.60	4,963.5	4,385.1	116.9	4,386.6	0.44	0.31	-0.31
8,993.0	90.70	1.50	4,963.3	4,417.1	117.8	4,418.6	1.29	1.25	-0.31
9,025.0	91.20	1.50	4,962.7	4,449.1	118.6	4,450.6	1.56	1.56	0.00
9,057.0	91.80	1.40	4,961.9	4,481.0	119.4	4,482.6	1.90	1.88	-0.31
9,089.0	92.30	1.40	4,960.7	4,513.0	120.2	4,514.6	1.56	1.56	0.00
9,121.0	91.50	1.10	4,959.7	4,545.0	120.9	4,546.6	2.67	-2.50	-0.94
9,153.0	90.10	1.40	4,959.2	4,577.0	121.6	4,578.6	4.47	-4.38	0.94
9,185.0	89.30	1.40	4,959.4	4,609.0	122.4	4,610.6	2.50	-2.50	0.00
9,216.0	89.10	1.30	4,959.8	4,640.0	123.1	4,641.6	0.72	-0.65	-0.32
9,248.0	89.10	1.20	4,960.3	4,671.9	123.8	4,673.6	0.31	0.00	-0.31
9,280.0	89.20	1.30	4,960.8	4,703.9	124.5	4,705.6	0.44	0.31	0.31
9,288.0	89.30	1.20	4,960.9	4,711.9	124.7	4,713.6	1.77	1.25	-1.25

Last Archer Survey



Archer Directional Drilling Services

Survey Report



Company:	Sandridge Energy, INC.(mid-con.)	Local Co-ordinate Reference:	Well Millershaski 2629 1-15H
Project:	Gray County (KA27N)	TVD Reference:	WELL @ 2761.0usft (Original Well Elev)
Site:	Sec. 15-T26S-R29W	MD Reference:	WELL @ 2761.0usft (Original Well Elev)
Well:	Millershaski 2629 1-15H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

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)
9,346.0	89.30	1.20	4,961.6	4,769.9	125.9	4,771.6	0.00	0.00	0.00
Projection to TD									

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,563.0	1,562.9	1.9	16.8	Last Gyro
9,288.0	4,960.9	4,711.9	124.7	Last Archer Survey
9,346.0	4,961.6	4,769.9	125.9	Projection to TD

Checked By: _____ Approved By: _____ Date: _____

Mid-Continent Conductor, LLC

Invoice

Date	Invoice #
5/22/2012	1333

P.O. Box 1570
Woodward, OK 73802

Phone: (580)254-5400

Fax: (580)254-3242

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	5/22/2012	Millershaski 1-15H, Gray Cnty, KS	Lariat 3

Item	Quantity	Description
Conductor Hole	104	Drilled 104 ft. conductor hole.
20" Pipe	104	Furnished 104 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 & Equip. for dirt removal.
Cover Plate	1	Furnished cover plates
Permits	1	Permits
		Subtotal \$25,790.00
		Sales Tax (0.0%) \$0.00
		Total \$25,790.00

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2933266	Quote #:	Sales Order #: 9593733
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Ivey, Ronnie	
Well Name: Millershaski 2829	Well #: 1-15H	API/UWI #: 15-069-20375	
Field:	City (SAP): INGALLS	County/Parish: Gray	State: Kansas
Legal Description: Section 15 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		Srvc Supervisor: LEE, SEITH	MBU ID Emp #: 483600

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BERUMEN, EDUARDO	20.0	267804	GOMEZ, OSCAR	20.0	490448	GONZALES, MARIO	20.0	510517
LEE, SEITH Adam	20.0	483600						

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
6/14/2012	7	0	6/15/2012	13	1.8			

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
					14 - Jun - 2012	12:00	CST
Form Type			BHST	On Location	14 - Jun - 2012	17:00	CST
Job depth MD	1583. ft		Job Depth TVD	1583	Job Started	15 - Jun - 2012	09:30
Water Depth			Wk Ht Above Floor	1	Job Completed	15 - Jun - 2012	11:10
Perforation Depth (MD)	From		To	Departed Loc	15 - Jun - 2012	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
12.25" Open Hole				12.25					1262.		
12.25" Open Hole- Lower				12.25				1262.	1562.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55		1562.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
SUGAR - GRANULATED	80	LB		
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

HALLIBURTON

Cementing Job Summary

Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Fresh Water		10.00	bbl	8.33	.0	.0	3	
2	Lead Cement	EXTENDACEM (TM) SYSTEM (452981)	440.0	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)	150.0	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							
4	Displacement		119.00	bbl	8.33	.0	.0	4	
Calculated Values		Pressures			Volumes				
Displacement	119	Shut In: Instant		Lost Returns	0	Cement Slurry	198	Pad	
Top Of Cement	1074	5 Min		Cement Returns	60	Actual Displacement	119	Treatment	
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job	
Rates									
Circulating	4	Mixing	4	Displacement	4	Avg. Job	4		
Cement Left In Pipe	Amount	46 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					

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2933266	Quote #:	Sales Order #: 9610650
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Ivey, Ronnie	
Well Name: Millershaski 2829	Well #: 1-15H	API/UWI #: 15-069-20375	
Field:	City (SAP): INGALLS	County/Parish: Gray	State: Kansas
Legal Description: Section 15 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		Srcv Supervisor: RODRIGUEZ, EDGAR	
MBU ID Emp #: 442125			

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
NORTON, BRUCE	9	0	REDFEARN, BRADY	9	0	RODRIGUEZ, EDGAR Alejandro	9	442125

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
6/22/2012	8	2.5	6/23/2012	1	.5			
TOTAL			Total is the sum of each column separately					

Job

Job Times

Formation Name	Date	Time	Time Zone
Formation Depth (MD) Top	Bottom	Called Out	22 - Jun - 2012 10:00 CST
Form Type	BHST	On Location	22 - Jun - 2012 13:51 CST
Job depth MD	5456.9 ft	Job Depth TVD	5457. ft
Water Depth		Job Started	22 - Jun - 2012 22:21 CST
Perforation Depth (MD) From	To	Job Completed	22 - Jun - 2012 23:33 CST
		Departed Loc	23 - Jun - 2012 01:00 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				1562.	5419.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5419.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	1562.		

Sales/Rental/3rd 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	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

HALLIBURTON

Cementing Job Summary

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /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	ECONOCEM (TM) SYSTEM (452992)	150.0	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							
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		207.00	bbl	8.33	.0	.0	.0	
Calculated Values		Pressures			Volumes				
Displacement	207	Shut In: Instant		Lost Returns		Cement Slurry	62	Pad	
Top Of Cement	3271	5 Min		Cement Returns		Actual Displacement	207	Treatment	
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job	279
Rates									
Circulating	5	Mixing	5	Displacement	6	Avg. Job	6		
Cement Left In Pipe	Amount	91 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					

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2933266	Quote #:	Sales Order #: 9628622
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Ivey, Ronnie	
Well Name: Millershaski 2829	Well #: 1-15H	API/UWI #: 15-069-20375	
Field:	City (SAP): INGALLS	County/Parish: Gray	State: Kansas
Legal Description: Section 15 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		Srcv Supervisor: RODRIGUEZ, EDGAR MBU ID Emp #: 442125	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
MCKINLEY, MARK	0.0	0	RODRIGUEZ, EDGAR Alejandro	0.0	442125	SIMON, ZAC	0.0	0
SWAIN, KIRK	0.0	0	TORRES, CLEMENTE	0.0	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

TOTAL Total is the sum of each column separately

Job				Job Times			
Formation Name				Date	Time	Time Zone	
Formation Depth (MD)	Top		Bottom	Called Out	29 - Jun - 2012	20:00	CST
Form Type	BHST			On Location	30 - Jun - 2012	00:00	CST
Job depth MD	9346. ft	Job Depth TVD	9346. ft	Job Started	30 - Jun - 2012	07:57	CST
Water Depth		Wk Ht Above Floor	6. ft	Job Completed	30 - Jun - 2012	09:29	CST
Perforation Depth (MD)	From		To	Departed Loc	30 - Jun - 2012	11:00	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				5419.	9375.		
4.5" Production Liner	Unknown		4.5	4.	11.6	LTC	P-110	5017.	9375.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5419.		
4" Drill Pipe	Unknown		4.	3.34	14.	Unknown		.	5017.		

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 ³ /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							
3	Displacement		121.00	bbl	8.33	.0	.0	.0	
Calculated Values		Pressures			Volumes				
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
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					

Section 9
26S 29W

Section 10
26S 29W

372' FNL

BHL: 9346'
-100 37.794175

444' FWL

Bottom Perf: 8989'
-100 37.793215

Section 16
26S 29W

Section 15
26S 29W

Top Perf: 5941'
-100 37.784932

Miss Entry: 4909'
-100 37.782247

MILLERSHASKI 2629 1-15H

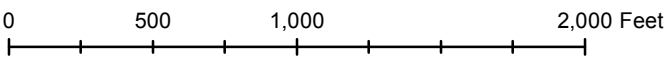
Section 21
26S 29W

TOEWS 2629 1-21H

Section 22
26S 29W



Actual Bottom-Hole Location of Millershaski 2629 1-15H
Gray County, Kansas
T&R: 26S 29W
Section: 16, 372' FNL & 444' FWL
Long: -100 37.794175
1 in = 667 ft



● Actual BH Location

* SandRidge Wells

--- Perf

□ Sections

Draftsman:

Aaron Birk

Draft Date: 9/12/2012

Drawing Name/Number:

Addendum_Millershaski_2629_1-15H.mxd

Coordinate System:

NAD 1927 State Plane
Kansas South FIPS: 1502

Logo

Back to Well Completion

Millershaski 2629 1-15H (1087972)

Actions

View PDF
Delete
Edit
Cannot Submit
Request Confidentiality

Attachments

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

[Add Attachment](#)

Remarks

Remarks to KCC

[Add Remark](#)

Remarks

Tiffany Golay 09/19/012 09:38 am	Addl Fluid Mgmt: 580bbls hauled to Weinett Disposal LLC NW/4 Section 1079 Block 43 Lipscomb, TX
Tiffany Golay 09/11/012 12:09 pm	Conductor: 10 yards of grout were used to set conductor. Conductor weight= 94 lbs/ft

Problems Preventing Submission

Form Field	Error Message
MISSING LABEL (Casing)	Weight(s) must be numbers between 0 Lbs/Ft and 75 Lbs/Ft. No alphabetic or special characters such as {',*,",etc} are allowed. Decimal points are allowed.