



CONFIDENTIAL

OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

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

OPERATOR: License # 34192 Name: SandRidge Exploration and Production LLC Address 1: 123 ROBERT S. KERR AVE Address 2: City: OKLAHOMA CITY State: OK Zip: 73102 + 6406 Contact Person: Tiffany Golay Phone: (405) 429-6543 CONTRACTOR: License # 34464 Name: Lariat Services, Inc. Wellsite Geologist: William Scott Purchaser: NCRA (oil)

Designate Type of Completion: [X] New Well [] Re-Entry [] Workover [X] 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 #:

5/22/2012 6/27/2012 7/1/2012 Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - 15-069-20375-01-00

Spot Description: SE SW SW SW Sec. 15 Twp. 26 S. R. 29 [] East [X] West 220 Feet from [] North [X] South Line of Section 450 Feet from [] East [X] West Line of Section

Footages Calculated from Nearest Outside Section Corner: [] NE [] NW [] SE [X] SW

County: Gray Lease Name: Millershaski 2629 Well #: 1-15H

Field Name: Producing Formation: Mississippian

Elevation: Ground: 2742 Kelly Bushing: 2762

Total Depth: 9346 Plug Back Total Depth:

Amount of Surface Pipe Set and Cemented at: 1580 Feet

Multiple Stage Cementing Collar Used? [] Yes [X] 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: 12000 ppm Fluid volume: 1710 bbls

Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: Chaosland Disposal

Lease Name: Unnamed License #: 99999

Quarter SE Sec. 3 Twp. 29 S. R. 37 [] East [X] West

County: Grant Permit #: KDH 890

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

[X] Letter of Confidentiality Received Date: 09/19/2012 [] Confidential Release Date: [X] Wireline Log Received [] Geologist Report Received [] UIC Distribution ALT [X] I [] II [] III Approved by: NAOMI JAMES Date: 09/19/2012



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-T28S-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-T28S-R29W		
Site Position:	Northing: 411,929.72 usft	Latitude: 37° 46' 52.324 N
From: Map	Easting: 1,426,075.79 usft	Longitude: 100° 29' 9.591 W
Position Uncertainty: 0.0 usft	Slot Radius: 13-3/16 "	Grid Convergence: -1.22 °

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

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

Design: Wellbore #1				
Audit Notes:				
Version: 1.0	Phase: ACTUAL	Tie On Depth: 0.0		
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.0	0.0	0.0	1.33

Survey Program	Date 2012/06/28			
From	To	Survey (Wellbore)	Tool Name	Description
(usft) 250.0	(usft) 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



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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



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Well:	Millershaskl 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)
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	1.68	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	89.60	2.10	4,955.3	1,997.4	49.7	1,998.0	1.13	-0.94	0.63



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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	1.60	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	2,728.9	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	89.60	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. 16-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	0.83
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	3,683.8	90.5	3,684.7	2.76	2.58	0.97
8,291.0	89.80	2.30	4,959.1	3,715.8	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: _____

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

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

● Actual BH Location

* SandRidge Wells

Perf

□ Sections

