



**CONFIDENTIAL**

**WELL COMPLETION FORM**

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

**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # 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: Jarrett Borrell  
Purchaser: NCRA (oil)

Designate Type of Completion:

- New Well  Re-Entry  Workover
- Oil  WSW  SWD  SIOW  
 Gas  D&A  ENHR  SIGW  
 OG  GSW  Temp. Abd.  
 CM (Coal Bed Methane)  
 Cathodic  Other (Core. Expl., etc.):

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening  Re-perf.  Conv. to ENHR  Conv. to SWD  
 Conv. to GSW

Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

ENHR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

7/11/2012 7/30/2012 8/2/2012

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - 15-135-25436-01-00

Spot Description: \_\_\_\_\_

SW SE SW SW Sec. 3 Twp. 18 S. R. 25  East  West

200 Feet from  North /  South Line of Section

800 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE  NW  SE  SW

County: Ness

Lease Name: Sutton 1825 Well #: 1-3H

Field Name: \_\_\_\_\_

Producing Formation: Mississippian

Elevation: Ground: 2355 Kelly Bushing: 2375

Total Depth: 7576 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: 1355 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 cm.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: 20000 ppm Fluid volume: 140 bbls

Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: Gray Mud Disposal

Lease Name: Unnamed License #: 99999

Quarter SW Sec. 15 Twp. 24 S. R. 7  East  West

County: Garfield, OK Permit #: 323003

**AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

**KCC Office Use ONLY**

Letter of Confidentiality Received  
Date: 11/08/2012

Confidential Release Date: \_\_\_\_\_

Wireline Log Received

Geologist Report Received

UIC Distribution

ALT  I  II  III Approved by: NAOMI JAMES Date: 11/08/2012



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

**Ness County (KS27S)**

**Sec. 3-T18S-R25W**

**Sutton 1825 1-3H**

**Wellbore #1**

**Design: Wellbore #1**

## **Standard Survey Report**

**06 August, 2012**

# **Archer**



**Archer Directional Drilling Services**  
Survey Report



Company: Sandridge Energy, INC.(mid-con.)  
 Project: Ness County (KS27S)  
 Site: Sec. 3-T18S-R25W  
 Well: Sutton 1825 1-3H  
 Wellbore: Wellbore #1  
 Design: Wellbore #1

Local Co-ordinate Reference: Well Sutton 1825 1-3H  
 TVD Reference: WELL @ 2380.0usft (Original Well Elev)  
 MD Reference: WELL @ 2380.0usft (Original Well Elev)  
 North Reference: Grid  
 Survey Calculation Method: Minimum Curvature  
 Database: EDM 5000.1 Single User Db

<b>Project</b>	Ness County (KS27S)		
<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. 3-T18S-R25W				
<b>Site Position:</b>	<b>Northing:</b>	674,635.30 usft	<b>Latitude:</b>	38° 30' 32.022 N	
<b>From:</b>	<b>Map</b>	<b>Easting:</b>	1,547,768.50 usft	<b>Longitude:</b>	100° 4' 49.413 W
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b>	-0.97 °

<b>Well</b>	Sutton 1825 1-3H					
<b>Well Position</b>	<b>+N-S</b>	0.0 usft	<b>Northing:</b>	674,635.30 usft	<b>Latitude:</b>	38° 30' 32.022 N
	<b>+E-W</b>	0.0 usft	<b>Easting:</b>	1,547,768.50 usft	<b>Longitude:</b>	100° 4' 49.413 W
<b>Position Uncertainty</b>	0.0 usft		<b>Wellhead Elevation:</b>	usft	<b>Ground Level:</b>	2,360.0 usft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination</b>	<b>Dip Angle</b>	<b>Field Strength</b>
	IGRF2010	2012/07/11	(°)	(°)	(nT)
			5.90	66.17	52,465

<b>Design</b>	Wellbore #1				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N-S</b>	<b>+E-W</b>	<b>Direction</b>	
	(usft)	(usft)	(usft)	(°)	
	0.0	0.0	0.0	0.47	

<b>Survey Program</b>	<b>Date</b>	2012/08/06			
<b>From</b>	<b>To</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
(usft)	(usft)				
224.0	7,576.0	Complete Survey (Wellbore #1)	MWD	MWD - Standard	

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
224.0	1.00	0.20	224.0	2.0	0.0	2.0	0.45	0.45	0.00
500.0	1.00	0.20	499.9	6.8	0.0	6.8	0.00	0.00	0.00
750.0	1.00	0.10	749.9	11.1	0.0	11.1	0.00	0.00	-0.04
1,000.0	1.10	0.20	999.9	15.7	0.0	15.7	0.04	0.04	0.04
1,250.0	0.60	0.20	1,249.8	19.4	0.1	19.4	0.20	-0.20	0.00
1,353.0	0.30	0.30	1,352.8	20.2	0.1	20.2	0.29	-0.29	0.10
1,604.0	1.10	262.60	1,603.8	20.6	-2.3	20.6	0.47	0.32	-38.92
2,081.0	1.20	288.70	2,080.7	21.6	-11.6	21.5	0.11	0.02	5.47
2,557.0	1.70	264.70	2,556.6	22.5	-23.3	22.3	0.16	0.11	-5.04



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 Database:

Well Sutton 1825 1-3H  
 WELL @ 2380.0usft (Original Well Elev)  
 WELL @ 2380.0usft (Original Well Elev)  
 Grid  
 Minimum Curvature  
 EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,033.0	1.30	256.50	3,032.4	20.6	-35.6	20.3	0.10	-0.08	-1.72
3,351.0	1.00	255.80	3,350.3	19.1	-41.8	18.8	0.09	-0.09	-0.22
3,366.0	1.10	234.40	3,365.3	19.0	-42.1	18.6	2.68	0.67	-142.67
3,398.0	0.80	284.30	3,397.3	18.9	-42.5	18.5	2.64	-0.94	155.94
3,430.0	2.20	342.90	3,429.3	19.5	-42.9	19.2	5.97	4.38	183.13
3,462.0	4.90	358.80	3,461.3	21.5	-43.2	21.1	8.79	8.44	43.44
3,483.0	7.70	1.20	3,492.1	24.9	-43.2	24.5	9.16	9.03	14.19
3,525.0	10.40	3.10	3,523.7	29.9	-43.0	29.5	8.49	8.44	5.94
3,557.0	13.00	5.70	3,555.0	36.4	-42.5	36.0	8.29	8.13	8.13
3,589.0	15.30	6.50	3,586.0	44.1	-41.7	43.8	7.21	7.19	2.50
3,620.0	17.10	6.60	3,615.8	52.7	-40.7	52.4	5.81	5.81	0.32
3,652.0	18.80	6.20	3,646.2	62.5	-39.6	62.2	5.33	5.31	-1.25
3,684.0	20.70	5.10	3,676.4	73.3	-38.5	73.0	6.05	5.94	-3.44
3,716.0	22.20	4.40	3,706.1	84.9	-37.6	84.6	4.76	4.69	-2.19
3,748.0	23.60	4.80	3,735.6	97.4	-36.6	97.0	4.40	4.38	1.25
3,779.0	25.00	4.30	3,763.9	110.1	-35.5	109.8	4.56	4.52	-1.61
3,811.0	26.70	4.10	3,792.7	124.0	-34.5	123.7	5.32	5.31	-0.63
3,843.0	28.30	3.60	3,821.1	138.7	-33.5	138.4	5.05	5.00	-1.56
3,875.0	30.10	3.60	3,849.0	154.3	-32.6	154.0	5.63	5.63	0.00
3,907.0	32.00	3.60	3,876.4	170.8	-31.5	170.5	5.94	5.94	0.00
3,938.0	33.90	3.70	3,902.4	187.6	-30.4	187.3	6.13	6.13	0.32
3,970.0	36.30	4.30	3,928.6	206.0	-29.2	205.7	7.58	7.50	1.88
4,002.0	38.40	5.10	3,954.0	225.3	-27.6	225.1	6.74	6.56	2.50
4,034.0	40.10	5.80	3,978.8	245.5	-25.6	245.2	5.49	5.31	2.19
4,066.0	42.80	5.90	4,002.8	266.5	-23.5	266.3	8.44	8.44	0.31
4,097.0	45.30	5.30	4,025.1	288.0	-21.4	287.8	8.18	8.06	-1.94
4,130.0	47.30	4.80	4,047.9	311.7	-19.3	311.6	6.16	6.06	-1.52
4,161.0	49.10	4.10	4,068.5	334.8	-17.5	334.6	6.05	5.81	-2.26
4,193.0	50.50	3.80	4,089.2	359.2	-15.8	359.0	4.43	4.38	-0.94
4,225.0	50.90	4.00	4,109.5	383.9	-14.1	383.7	1.34	1.25	0.63
4,257.0	50.50	4.40	4,129.7	408.6	-12.3	408.5	1.58	-1.25	1.25
4,288.0	50.30	4.60	4,149.5	432.4	-10.4	432.3	0.81	-0.65	0.65
4,320.0	50.00	4.90	4,170.0	456.9	-8.4	456.8	1.18	-0.94	0.94
4,352.0	50.00	5.30	4,190.6	481.3	-6.2	481.2	0.96	0.00	1.25
4,384.0	52.20	4.20	4,210.6	506.1	-4.2	506.0	7.38	6.88	-3.44
4,415.0	54.90	4.00	4,229.1	531.0	-2.4	530.9	8.73	8.71	-0.65
4,447.0	58.20	3.10	4,246.7	557.6	-0.7	557.6	10.58	10.31	-2.81
4,479.0	61.80	2.70	4,262.7	585.3	0.7	585.3	11.30	11.25	-1.25
4,511.0	63.80	2.70	4,277.3	613.7	2.0	613.7	6.25	6.25	0.00
4,543.0	66.30	2.90	4,290.8	642.7	3.4	642.7	7.83	7.81	0.63
4,574.0	69.40	2.90	4,302.5	671.4	4.9	671.4	10.00	10.00	0.00
4,606.0	72.70	2.70	4,312.9	701.6	6.4	701.6	10.33	10.31	-0.63
4,638.0	76.20	2.80	4,321.5	732.4	7.8	732.4	10.94	10.94	-0.31
4,670.0	80.10	2.30	4,328.0	763.7	9.1	763.7	12.22	12.19	-0.94



Archer Directional Drilling Services  
Survey Report



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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)
4,701.0	83.40	1.40	4,332.5	794.3	10.1	794.4	11.03	10.65	-2.90
4,733.0	85.50	1.30	4,335.6	826.2	10.9	826.2	6.57	6.56	-0.31
4,810.0	91.20	0.30	4,337.8	903.1	11.9	903.2	7.52	7.40	-1.30
4,842.0	91.50	0.30	4,337.1	935.1	12.1	935.1	0.94	0.94	0.00
4,873.0	91.80	0.10	4,336.2	966.1	12.2	966.1	1.16	0.97	-0.65
4,905.0	92.20	0.30	4,335.0	998.0	12.3	998.1	1.40	1.25	0.63
4,937.0	92.40	0.30	4,333.8	1,030.0	12.5	1,030.1	0.83	0.63	0.00
4,969.0	92.70	0.40	4,332.3	1,062.0	12.7	1,062.1	0.99	0.94	0.31
5,001.0	93.10	0.40	4,330.7	1,093.9	12.9	1,094.0	1.25	1.25	0.00
5,033.0	93.90	0.00	4,328.8	1,125.9	13.0	1,125.9	2.79	2.50	-1.25
5,065.0	94.50	0.20	4,326.4	1,157.8	13.1	1,157.9	1.98	1.88	0.63
5,097.0	94.80	0.80	4,323.8	1,189.7	13.3	1,189.8	2.09	0.94	1.88
5,129.0	95.30	1.00	4,321.0	1,221.6	13.8	1,221.6	1.68	1.56	0.63
5,160.0	95.20	0.80	4,318.2	1,252.4	14.3	1,252.5	0.72	-0.32	-0.65
5,192.0	94.70	0.00	4,315.4	1,284.3	14.6	1,284.4	2.94	-1.56	-2.50
5,224.0	93.50	0.30	4,313.1	1,316.2	14.6	1,316.3	3.86	-3.75	0.94
5,256.0	93.30	0.70	4,311.2	1,348.2	14.9	1,348.2	1.40	-0.63	1.25
5,288.0	93.80	0.00	4,309.2	1,380.1	15.1	1,380.2	2.68	1.56	-2.19
5,319.0	93.10	359.50	4,307.4	1,411.0	15.0	1,411.1	2.77	-2.26	-1.61
5,350.0	92.30	359.90	4,305.9	1,442.0	14.8	1,442.1	2.88	-2.58	1.29
5,380.0	92.10	0.20	4,304.8	1,472.0	14.8	1,472.1	1.20	-0.67	1.00
5,411.0	92.60	0.90	4,303.5	1,503.0	15.1	1,503.0	2.77	1.61	2.26
5,442.0	91.60	0.50	4,302.4	1,533.9	15.5	1,534.0	3.47	-3.23	-1.29
5,473.0	89.60	0.40	4,302.0	1,564.9	15.8	1,565.0	6.46	-6.45	-0.32
5,503.0	87.40	359.60	4,302.8	1,594.9	15.8	1,595.0	7.80	-7.33	-2.67
5,534.0	85.90	359.00	4,304.6	1,625.9	15.4	1,625.9	5.21	-4.84	-1.94
5,565.0	86.20	359.20	4,306.8	1,656.8	14.9	1,656.9	1.16	0.97	0.65
5,596.0	86.70	359.30	4,308.7	1,687.7	14.5	1,687.8	1.64	1.61	0.32
5,627.0	87.30	359.60	4,310.3	1,718.7	14.2	1,718.7	2.16	1.94	0.97
5,657.0	88.10	359.90	4,311.5	1,748.7	14.1	1,748.7	2.85	2.67	1.00
5,688.0	88.70	359.70	4,312.4	1,779.6	14.0	1,779.7	2.04	1.94	-0.65
5,719.0	88.70	359.90	4,313.1	1,810.6	13.8	1,810.7	0.64	0.00	0.65
5,750.0	89.10	359.50	4,313.7	1,841.6	13.7	1,841.7	1.82	1.29	-1.29
5,780.0	89.50	359.20	4,314.0	1,871.6	13.3	1,871.7	1.67	1.33	-1.00
5,811.0	90.20	359.30	4,314.1	1,902.6	12.9	1,902.7	2.28	2.26	0.32
5,842.0	90.10	359.20	4,314.0	1,933.6	12.5	1,933.7	0.46	-0.32	-0.32
5,873.0	90.60	359.60	4,313.9	1,964.6	12.2	1,964.7	2.07	1.61	1.29
5,904.0	91.10	359.40	4,313.4	1,995.6	11.9	1,995.6	1.74	1.61	-0.65
5,934.0	91.50	359.60	4,312.7	2,025.6	11.7	2,025.6	1.49	1.33	0.67
5,965.0	91.90	359.70	4,311.8	2,056.6	11.5	2,056.6	1.33	1.29	0.32
5,996.0	92.20	359.50	4,310.7	2,087.6	11.3	2,087.6	1.16	0.97	-0.65
6,027.0	92.00	359.70	4,309.5	2,118.5	11.1	2,118.6	0.91	-0.65	0.65
6,057.0	91.00	359.30	4,308.8	2,148.5	10.8	2,148.6	3.59	-3.33	-1.33



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6,088.0	91.20	359.30	4,308.2	2,179.5	10.4	2,179.5	0.65	0.65	0.00
6,119.0	91.10	359.20	4,307.6	2,210.5	10.0	2,210.5	0.46	-0.32	-0.32
6,150.0	89.70	359.70	4,307.3	2,241.5	9.7	2,241.5	4.80	-4.52	1.61
6,180.0	88.80	0.00	4,307.7	2,271.5	9.6	2,271.5	3.16	-3.00	1.00
6,211.0	88.10	359.90	4,308.6	2,302.5	9.6	2,302.5	2.28	-2.26	-0.32
6,242.0	87.60	1.10	4,309.7	2,333.5	9.9	2,333.5	4.19	-1.61	3.87
6,273.0	87.30	1.00	4,311.1	2,364.4	10.4	2,364.4	1.02	-0.97	-0.32
6,303.0	87.50	0.50	4,312.5	2,394.4	10.8	2,394.4	1.79	0.67	-1.67
6,334.0	88.40	0.20	4,313.6	2,425.4	11.0	2,425.4	3.06	2.90	-0.97
6,365.0	88.80	359.80	4,314.3	2,456.4	11.0	2,456.4	1.82	1.29	-1.29
6,396.0	89.50	0.40	4,314.8	2,487.4	11.1	2,487.4	2.97	2.26	1.94
6,427.0	90.70	0.50	4,314.7	2,518.4	11.3	2,518.4	3.88	3.87	0.32
6,457.0	89.80	1.60	4,314.6	2,548.4	11.9	2,548.4	4.74	-3.00	3.67
6,488.0	89.30	1.90	4,314.8	2,579.3	12.8	2,579.4	1.88	-1.61	0.97
6,519.0	89.80	2.30	4,315.1	2,610.3	14.0	2,610.4	2.07	1.61	1.29
6,550.0	89.90	3.40	4,315.2	2,641.3	15.5	2,641.3	3.56	0.32	3.55
6,581.0	89.80	3.90	4,315.3	2,672.2	17.5	2,672.3	1.64	-0.32	1.61
6,611.0	90.00	4.20	4,315.3	2,702.2	19.6	2,702.2	1.20	0.67	1.00
6,642.0	89.40	3.40	4,315.5	2,733.1	21.6	2,733.2	3.23	-1.94	-2.58
6,673.0	88.30	3.20	4,316.1	2,764.0	23.4	2,764.1	3.61	-3.55	-0.65
6,705.0	89.00	3.10	4,316.8	2,796.0	25.2	2,796.1	2.21	2.19	-0.31
6,737.0	89.60	3.00	4,317.2	2,827.9	26.9	2,828.0	1.90	1.88	-0.31
6,769.0	89.40	2.50	4,317.5	2,859.9	28.4	2,860.0	1.68	-0.63	-1.56
6,801.0	89.10	1.10	4,317.9	2,891.9	29.4	2,892.0	4.47	-0.94	-4.38
6,833.0	89.80	0.60	4,318.2	2,923.9	29.9	2,924.0	2.69	2.19	-1.56
6,864.0	90.80	1.20	4,318.1	2,954.9	30.4	2,955.0	3.76	3.23	1.94
6,896.0	89.50	0.70	4,318.0	2,986.8	30.9	2,987.0	4.35	-4.06	-1.56
6,928.0	89.30	359.50	4,318.3	3,018.8	31.0	3,019.0	3.80	-0.63	-3.75
6,960.0	89.10	358.30	4,318.8	3,050.8	30.4	3,051.0	3.80	-0.63	-3.75
6,992.0	88.70	358.00	4,319.4	3,082.8	29.3	3,082.9	1.56	-1.25	-0.94
7,024.0	90.10	357.70	4,319.7	3,114.8	28.1	3,114.9	4.47	4.38	-0.94
7,056.0	91.10	357.90	4,319.4	3,146.8	26.9	3,146.9	3.19	3.13	0.63
7,088.0	91.50	358.30	4,318.7	3,178.7	25.8	3,178.8	1.77	1.25	1.25
7,120.0	91.70	358.20	4,317.8	3,210.7	24.9	3,210.8	0.70	0.63	-0.31
7,152.0	92.10	357.20	4,316.7	3,242.7	23.6	3,242.7	3.36	1.25	-3.13
7,184.0	93.40	358.60	4,315.2	3,274.6	22.4	3,274.7	5.97	4.06	4.38
7,215.0	93.40	357.90	4,313.3	3,305.5	21.5	3,305.6	2.25	0.00	-2.26
7,247.0	93.50	357.90	4,311.4	3,337.5	20.3	3,337.5	0.31	0.31	0.00
7,279.0	94.70	357.80	4,309.1	3,369.3	19.1	3,369.4	3.76	3.75	-0.31
7,311.0	95.60	358.30	4,306.3	3,401.2	18.0	3,401.2	3.21	2.81	1.56
7,343.0	96.00	358.20	4,303.0	3,433.0	17.0	3,433.0	1.29	1.25	-0.31
7,375.0	96.30	358.30	4,299.6	3,464.8	16.1	3,464.8	0.99	0.94	0.31
7,407.0	96.40	358.20	4,296.0	3,496.6	15.1	3,496.6	0.44	0.31	-0.31



# Archer Directional Drilling Services

## Survey Report



**Company:** Sandridge Energy, INC.(mid-con.)  
**Project:** Ness County (KS27S)  
**Site:** Sec. 3-T18S-R25W  
**Well:** Sutton 1825 1-3H  
**Wellbore:** Wellbore #1  
**Design:** Wellbore #1

**Local Co-ordinate Reference:** Well Sutton 1825 1-3H  
**TVD Reference:** WELL @ 2380.0usft (Original Well Elev)  
**MD Reference:** WELL @ 2380.0usft (Original Well Elev)  
**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature  
**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)
7,438.0	96.50	358.50	4,292.6	3,527.4	14.2	3,527.4	1.01	0.32	0.97
7,470.0	96.60	359.00	4,288.9	3,559.2	13.5	3,559.2	1.58	0.31	1.56
7,516.0	97.30	359.00	4,283.4	3,604.8	12.7	3,604.8	1.52	1.52	0.00
<b>Last MWD Survey</b>									
7,576.0	97.30	359.00	4,275.7	3,664.3	11.7	3,664.3	0.00	0.00	0.00
Projection to TD - Sutton 1825 1-3H PBHL									

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
7,516.0	4,283.4	3,604.8	12.7	Last MWD Survey
7,576.0	4,275.7	3,664.3	11.7	Projection to TD

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

Section 33  
17S 25W

Section 34  
17S 25W

1566' FNL

BHL: 7576'  
-100 38.518473

947' FWL

Bottom Perf: 7412'  
-100 38.518012

Section 4  
18S 25W

Section 3  
18S 25W

Top Perf: 5295'  
-100 38.512202

Miss Entry: 4624'  
-100 38.510423

SUTTON 1825 2-3H

SUTTON 1825 1-3H

Section 9  
18S 25W

Section 10  
18S 25W



**Actual Bottom-Hole Location of Sutton 1825 1-3H**  
Ness County, Kansas

T&R: 18S 25W

Section: 3, 947' FWL & 1566' FNL

Long/Lat: -100 38.518473

1 in = 833 ft

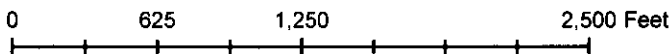


● Actual BH Location

\* SandRidge Wells

--- Perf

□ Sections



Draftsman:

Aaron Birk

Draft Date: 10/26/2012

Drawing Name/Number:

Addendum\_Sutton\_1-3H .mxd

Coordinate System:

NAD 1927 State Plane  
Kansas South FIPS: 1502