

Sandridge Energy, INC.(mid-con.)

Comanche County (KS27S)

Sec 12-T34S-R20W

Anita 3420 1-12H/ Lariat 19

Wellbore #1

Design: Wellbore #1

Standard Survey Report

15 November, 2012

Survey Report

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| Company: Sandridge Energy, INC.(mid-con.) | Local Co-ordinate Reference: Well Anita 3420 1-12H/ Lariat 19 |
| Project: Comanche County (KS27S) | TVD Reference: WELL @ 1813.0usft (Original Well Elev) |
| Site: Sec 12-T34S-R20W | MD Reference: WELL @ 1813.0usft (Original Well Elev) |
| Well: Anita 3420 1-12H/ Lariat 19 | North Reference: Grid |
| Wellbore: Wellbore #1 | Survey Calculation Method: Minimum Curvature |
| Design: Wellbore #1 | Database: EDM 5000.1 Single User Db |

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|---|-------------------------------------|
| Project Comanche County (KS27S), KS South | |
| Map System: US State Plane 1927 (Exact solution) | System Datum: Mean Sea Level |
| Geo Datum: NAD 1927 (NADCON CONUS) | |
| Map Zone: Kansas South 1502 | |

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|---------------------------------------|-----------------------------------|-----------------------------------|
| Site Sec 12-T34S-R20W | | |
| Site Position: | Northing: 155,889.00 usft | Latitude: 37° 5' 27.255 N |
| From: Map | Easting: 1,722,504.00 usft | Longitude: 99° 27' 4.726 W |
| Position Uncertainty: 0.0 usft | Slot Radius: 13-3/16 " | Grid Convergence: -0.58 ° |

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|---|-----------------------|-----------------------------------|------------------------------------|
| Well Anita 3420 1-12H/ Lariat 19 | | | |
| Well Position | +N/-S 0.0 usft | Northing: 160,934.00 usft | Latitude: 37° 6' 17.470 N |
| | +E/-W 0.0 usft | Easting: 1,725,863.00 usft | Longitude: 99° 26' 23.902 W |
| Position Uncertainty | 0.0 usft | Wellhead Elevation: usft | Ground Level: 1,793.0 usft |

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|-----------------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore Wellbore #1 | | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2010 | 10/23/12 | 5.43 | 65.07 | 51,717 |

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|---------------------------|--------------------------------|--------------------------|---------------------|----------------------|--|
| 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 | 180.12 | |

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|-----------------------|------------------|----------------------------------|------------------|--------------------|
| Survey Program | | Date 11/15/12 | | |
| From (usft) | To (usft) | Survey (Wellbore) | Tool Name | Description |
| 250.0 | 978.0 | Wireline Surveys (Wellbore #1) | MWD | MWD - Standard |
| 1,111.0 | 9,576.0 | Archer MWD Surveys (Wellbore #1) | MWD | MWD - Standard |

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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) | |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | |
| 250.0 | 0.60 | 0.15 | 250.0 | 1.3 | 0.0 | -1.3 | 0.24 | 0.24 | 0.00 | |
| First Wireline Survey | | | | | | | | | | |
| 500.0 | 0.30 | 0.14 | 500.0 | 3.3 | 0.0 | -3.3 | 0.12 | -0.12 | 0.00 | |
| 750.0 | 0.20 | 0.14 | 750.0 | 4.4 | 0.0 | -4.4 | 0.04 | -0.04 | 0.00 | |
| 978.0 | 0.30 | 0.14 | 978.0 | 5.4 | 0.0 | -5.4 | 0.04 | 0.04 | 0.00 | |
| Last Wireline Survey | | | | | | | | | | |
| 1,111.0 | 0.50 | 4.40 | 1,111.0 | 6.3 | 0.1 | -6.3 | 0.15 | 0.15 | 3.20 | |
| First Archer MWD Survey | | | | | | | | | | |

Survey Report

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| Site: | Sec 12-T34S-R20W | MD Reference: | WELL @ 1813.0usft (Original Well Elev) |
| Well: | Anita 3420 1-12H/ Lariat 19 | 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) | |
| 1,573.0 | 0.50 | 324.20 | 1,573.0 | 9.9 | -1.0 | -9.9 | 0.07 | 0.00 | -8.70 | |
| 2,050.0 | 1.10 | 336.70 | 2,049.9 | 15.8 | -4.0 | -15.8 | 0.13 | 0.13 | 2.62 | |
| 2,526.0 | 1.00 | 323.70 | 2,525.8 | 23.4 | -8.3 | -23.3 | 0.05 | -0.02 | -2.73 | |
| 3,003.0 | 0.70 | 346.70 | 3,002.8 | 29.6 | -11.4 | -29.5 | 0.09 | -0.06 | 4.82 | |
| 3,479.0 | 0.40 | 319.30 | 3,478.8 | 33.6 | -13.1 | -33.6 | 0.08 | -0.06 | -5.76 | |
| 3,861.0 | 0.30 | 251.90 | 3,860.8 | 34.3 | -15.0 | -34.3 | 0.10 | -0.03 | -17.64 | |
| 3,956.0 | 0.40 | 247.80 | 3,955.8 | 34.1 | -15.5 | -34.1 | 0.11 | 0.11 | -4.32 | |
| 4,051.0 | 0.20 | 197.10 | 4,050.8 | 33.9 | -15.9 | -33.8 | 0.33 | -0.21 | -53.37 | |
| 4,146.0 | 0.20 | 216.40 | 4,145.8 | 33.6 | -16.0 | -33.5 | 0.07 | 0.00 | 20.32 | |
| 4,241.0 | 0.20 | 172.20 | 4,240.8 | 33.3 | -16.1 | -33.2 | 0.16 | 0.00 | -46.53 | |
| 4,273.0 | 0.40 | 198.30 | 4,272.8 | 33.1 | -16.1 | -33.1 | 0.74 | 0.63 | 81.56 | |
| 4,305.0 | 1.20 | 168.70 | 4,304.7 | 32.7 | -16.1 | -32.6 | 2.73 | 2.50 | -92.50 | |
| 4,337.0 | 3.00 | 163.30 | 4,336.7 | 31.5 | -15.8 | -31.5 | 5.65 | 5.63 | -16.88 | |
| 4,369.0 | 5.00 | 162.50 | 4,368.6 | 29.4 | -15.1 | -29.4 | 6.25 | 6.25 | -2.50 | |
| 4,401.0 | 6.90 | 163.90 | 4,400.5 | 26.2 | -14.2 | -26.2 | 5.95 | 5.94 | 4.38 | |
| 4,432.0 | 9.20 | 160.90 | 4,431.2 | 22.1 | -12.8 | -22.1 | 7.54 | 7.42 | -9.68 | |
| 4,464.0 | 11.70 | 162.90 | 4,462.6 | 16.6 | -11.0 | -16.6 | 7.89 | 7.81 | 6.25 | |
| 4,496.0 | 13.80 | 165.20 | 4,493.8 | 9.8 | -9.1 | -9.8 | 6.75 | 6.56 | 7.19 | |
| 4,528.0 | 15.80 | 167.00 | 4,524.8 | 1.9 | -7.2 | -1.8 | 6.41 | 6.25 | 5.63 | |
| 4,560.0 | 17.80 | 166.90 | 4,555.4 | -7.2 | -5.1 | 7.2 | 6.25 | 6.25 | -0.31 | |
| 4,591.0 | 18.70 | 168.90 | 4,584.9 | -16.6 | -3.0 | 16.7 | 3.54 | 2.90 | 6.45 | |
| 4,623.0 | 19.70 | 170.30 | 4,615.1 | -27.0 | -1.1 | 27.0 | 3.44 | 3.13 | 4.38 | |
| 4,655.0 | 21.80 | 169.90 | 4,645.0 | -38.2 | 0.8 | 38.2 | 6.58 | 6.56 | -1.25 | |
| 4,687.0 | 24.20 | 170.80 | 4,674.4 | -50.5 | 2.9 | 50.5 | 7.58 | 7.50 | 2.81 | |
| 4,718.0 | 26.60 | 171.20 | 4,702.4 | -63.6 | 5.0 | 63.6 | 7.76 | 7.74 | 1.29 | |
| 4,750.0 | 28.50 | 173.40 | 4,730.8 | -78.3 | 6.9 | 78.3 | 6.73 | 5.94 | 6.88 | |
| 4,782.0 | 30.30 | 174.80 | 4,758.7 | -93.9 | 8.6 | 93.9 | 6.02 | 5.63 | 4.38 | |
| 4,813.0 | 32.50 | 176.10 | 4,785.2 | -110.0 | 9.8 | 110.0 | 7.43 | 7.10 | 4.19 | |
| 4,845.0 | 34.60 | 176.30 | 4,811.8 | -127.7 | 11.0 | 127.6 | 6.57 | 6.56 | 0.63 | |
| 4,877.0 | 36.00 | 175.40 | 4,837.9 | -146.1 | 12.3 | 146.1 | 4.67 | 4.38 | -2.81 | |
| 4,909.0 | 38.40 | 175.40 | 4,863.4 | -165.4 | 13.9 | 165.4 | 7.50 | 7.50 | 0.00 | |
| 4,941.0 | 40.60 | 176.50 | 4,888.1 | -185.7 | 15.3 | 185.7 | 7.21 | 6.88 | 3.44 | |
| 4,972.0 | 43.30 | 177.80 | 4,911.2 | -206.4 | 16.3 | 206.3 | 9.15 | 8.71 | 4.19 | |
| 5,004.0 | 46.60 | 178.20 | 4,933.8 | -229.0 | 17.1 | 228.9 | 10.35 | 10.31 | 1.25 | |
| 5,036.0 | 48.90 | 178.60 | 4,955.3 | -252.6 | 17.8 | 252.6 | 7.25 | 7.19 | 1.25 | |
| 5,068.0 | 50.10 | 179.30 | 4,976.1 | -277.0 | 18.2 | 276.9 | 4.10 | 3.75 | 2.19 | |
| 5,099.0 | 50.40 | 179.30 | 4,995.9 | -300.8 | 18.5 | 300.8 | 0.97 | 0.97 | 0.00 | |
| 5,131.0 | 50.80 | 178.60 | 5,016.2 | -325.5 | 19.0 | 325.5 | 2.10 | 1.25 | -2.19 | |
| 5,163.0 | 50.90 | 179.00 | 5,036.5 | -350.3 | 19.5 | 350.3 | 1.02 | 0.31 | 1.25 | |
| 5,194.0 | 50.90 | 178.80 | 5,056.0 | -374.4 | 20.0 | 374.3 | 0.50 | 0.00 | -0.65 | |
| 5,226.0 | 50.90 | 178.90 | 5,076.2 | -399.2 | 20.5 | 399.2 | 0.24 | 0.00 | 0.31 | |
| 5,258.0 | 51.20 | 178.50 | 5,096.3 | -424.1 | 21.0 | 424.1 | 1.35 | 0.94 | -1.25 | |
| 5,290.0 | 53.30 | 179.70 | 5,115.9 | -449.4 | 21.4 | 449.4 | 7.20 | 6.56 | 3.75 | |
| 5,322.0 | 56.20 | 181.10 | 5,134.4 | -475.5 | 21.2 | 475.5 | 9.74 | 9.06 | 4.38 | |

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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) |
|-----------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| 5,353.0 | 59.20 | 181.70 | 5,150.9 | -501.7 | 20.6 | 501.7 | 9.81 | 9.68 | 1.94 |
| 5,385.0 | 61.40 | 181.40 | 5,166.8 | -529.5 | 19.8 | 529.5 | 6.92 | 6.88 | -0.94 |
| 5,417.0 | 65.10 | 181.60 | 5,181.2 | -558.1 | 19.1 | 558.0 | 11.58 | 11.56 | 0.63 |
| 5,449.0 | 69.20 | 181.50 | 5,193.6 | -587.5 | 18.3 | 587.5 | 12.82 | 12.81 | -0.31 |
| 5,480.0 | 73.20 | 181.60 | 5,203.6 | -616.9 | 17.5 | 616.8 | 12.91 | 12.90 | 0.32 |
| 5,504.0 | 75.90 | 180.70 | 5,210.0 | -640.0 | 17.0 | 640.0 | 11.82 | 11.25 | -3.75 |
| 5,535.0 | 77.50 | 180.50 | 5,217.1 | -670.2 | 16.7 | 670.1 | 5.20 | 5.16 | -0.65 |
| 5,566.0 | 79.80 | 181.40 | 5,223.2 | -700.5 | 16.2 | 700.5 | 7.95 | 7.42 | 2.90 |
| 5,597.0 | 82.70 | 181.40 | 5,227.9 | -731.2 | 15.5 | 731.1 | 9.35 | 9.35 | 0.00 |
| 5,628.0 | 84.80 | 181.40 | 5,231.3 | -762.0 | 14.7 | 761.9 | 6.77 | 6.77 | 0.00 |
| 5,658.0 | 86.20 | 180.90 | 5,233.7 | -791.9 | 14.1 | 791.8 | 4.95 | 4.67 | -1.67 |
| 5,689.0 | 85.80 | 180.70 | 5,235.8 | -822.8 | 13.7 | 822.8 | 1.44 | -1.29 | -0.65 |
| 5,720.0 | 86.90 | 180.90 | 5,237.8 | -853.7 | 13.3 | 853.7 | 3.61 | 3.55 | 0.65 |
| 5,751.0 | 88.40 | 181.00 | 5,239.1 | -884.7 | 12.7 | 884.7 | 4.85 | 4.84 | 0.32 |
| 5,781.0 | 89.20 | 181.30 | 5,239.7 | -914.7 | 12.1 | 914.7 | 2.85 | 2.67 | 1.00 |
| 5,812.0 | 88.60 | 181.40 | 5,240.3 | -945.7 | 11.4 | 945.6 | 1.96 | -1.94 | 0.32 |
| 5,843.0 | 88.30 | 181.40 | 5,241.1 | -976.6 | 10.7 | 976.6 | 0.97 | -0.97 | 0.00 |
| 5,873.0 | 89.60 | 181.30 | 5,241.7 | -1,006.6 | 9.9 | 1,006.6 | 4.35 | 4.33 | -0.33 |
| 5,904.0 | 92.10 | 182.10 | 5,241.2 | -1,037.6 | 9.0 | 1,037.6 | 8.47 | 8.06 | 2.58 |
| 5,935.0 | 92.70 | 182.00 | 5,239.9 | -1,068.6 | 7.9 | 1,068.5 | 1.96 | 1.94 | -0.32 |
| 5,997.0 | 91.30 | 181.10 | 5,237.8 | -1,130.5 | 6.2 | 1,130.5 | 2.68 | -2.26 | -1.45 |
| 6,027.0 | 91.00 | 180.90 | 5,237.1 | -1,160.5 | 5.7 | 1,160.5 | 1.20 | -1.00 | -0.67 |
| 6,089.0 | 90.10 | 180.50 | 5,236.6 | -1,222.5 | 5.0 | 1,222.5 | 1.59 | -1.45 | -0.65 |
| 6,120.0 | 89.70 | 180.20 | 5,236.6 | -1,253.5 | 4.8 | 1,253.5 | 1.61 | -1.29 | -0.97 |
| 6,212.0 | 90.20 | 180.30 | 5,236.7 | -1,345.5 | 4.4 | 1,345.5 | 0.55 | 0.54 | 0.11 |
| 6,303.0 | 91.30 | 180.30 | 5,235.5 | -1,436.5 | 3.9 | 1,436.5 | 1.21 | 1.21 | 0.00 |
| 6,396.0 | 91.30 | 180.60 | 5,233.4 | -1,529.4 | 3.2 | 1,529.4 | 0.32 | 0.00 | 0.32 |
| 6,487.0 | 91.20 | 180.60 | 5,231.4 | -1,620.4 | 2.2 | 1,620.4 | 0.11 | -0.11 | 0.00 |
| 6,579.0 | 90.20 | 180.70 | 5,230.3 | -1,712.4 | 1.2 | 1,712.4 | 1.09 | -1.09 | 0.11 |
| 6,670.0 | 89.60 | 180.30 | 5,230.4 | -1,803.4 | 0.4 | 1,803.4 | 0.79 | -0.66 | -0.44 |
| 6,762.0 | 90.30 | 180.30 | 5,230.5 | -1,895.4 | -0.1 | 1,895.4 | 0.76 | 0.76 | 0.00 |
| 6,854.0 | 92.40 | 179.90 | 5,228.4 | -1,987.4 | -0.3 | 1,987.4 | 2.32 | 2.28 | -0.43 |
| 6,946.0 | 92.70 | 179.90 | 5,224.3 | -2,079.3 | -0.1 | 2,079.3 | 0.33 | 0.33 | 0.00 |
| 7,039.0 | 92.90 | 179.80 | 5,219.7 | -2,172.2 | 0.1 | 2,172.2 | 0.24 | 0.22 | -0.11 |
| 7,069.0 | 93.10 | 179.60 | 5,218.1 | -2,202.1 | 0.3 | 2,202.1 | 0.94 | 0.67 | -0.67 |
| 7,100.0 | 92.80 | 179.90 | 5,216.5 | -2,233.1 | 0.4 | 2,233.1 | 1.37 | -0.97 | 0.97 |
| 7,131.0 | 92.30 | 180.10 | 5,215.2 | -2,264.1 | 0.4 | 2,264.0 | 1.74 | -1.61 | 0.65 |
| 7,155.0 | 92.70 | 180.50 | 5,214.1 | -2,288.0 | 0.3 | 2,288.0 | 2.36 | 1.67 | 1.67 |
| 7,187.0 | 92.80 | 180.50 | 5,212.6 | -2,320.0 | 0.0 | 2,320.0 | 0.31 | 0.31 | 0.00 |
| 7,219.0 | 91.10 | 181.90 | 5,211.5 | -2,352.0 | -0.6 | 2,352.0 | 6.88 | -5.31 | 4.38 |
| 7,251.0 | 90.40 | 182.10 | 5,211.1 | -2,383.9 | -1.8 | 2,383.9 | 2.28 | -2.19 | 0.63 |
| 7,283.0 | 89.70 | 182.10 | 5,211.1 | -2,415.9 | -2.9 | 2,415.9 | 2.19 | -2.19 | 0.00 |
| 7,315.0 | 90.10 | 182.10 | 5,211.1 | -2,447.9 | -4.1 | 2,447.9 | 1.25 | 1.25 | 0.00 |

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|-----------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| 7,347.0 | 90.30 | 182.30 | 5,211.0 | -2,479.9 | -5.3 | 2,479.9 | 0.88 | 0.63 | 0.63 |
| 7,379.0 | 88.20 | 180.70 | 5,211.4 | -2,511.9 | -6.2 | 2,511.9 | 8.25 | -6.56 | -5.00 |
| 7,411.0 | 87.60 | 180.10 | 5,212.6 | -2,543.8 | -6.4 | 2,543.8 | 2.65 | -1.88 | -1.88 |
| 7,443.0 | 87.70 | 180.40 | 5,213.9 | -2,575.8 | -6.5 | 2,575.8 | 0.99 | 0.31 | 0.94 |
| 7,475.0 | 88.30 | 180.40 | 5,215.0 | -2,607.8 | -6.8 | 2,607.8 | 1.88 | 1.88 | 0.00 |
| 7,538.0 | 89.40 | 181.50 | 5,216.3 | -2,670.8 | -7.8 | 2,670.8 | 2.47 | 1.75 | 1.75 |
| 7,602.0 | 88.40 | 180.50 | 5,217.5 | -2,734.7 | -8.9 | 2,734.8 | 2.21 | -1.56 | -1.56 |
| 7,634.0 | 88.40 | 180.00 | 5,218.4 | -2,766.7 | -9.1 | 2,766.7 | 1.56 | 0.00 | -1.56 |
| 7,698.0 | 88.40 | 179.70 | 5,220.2 | -2,830.7 | -8.9 | 2,830.7 | 0.47 | 0.00 | -0.47 |
| 7,730.0 | 88.20 | 179.40 | 5,221.1 | -2,862.7 | -8.6 | 2,862.7 | 1.13 | -0.63 | -0.94 |
| 7,794.0 | 88.40 | 179.60 | 5,223.0 | -2,926.7 | -8.1 | 2,926.7 | 0.44 | 0.31 | 0.31 |
| 7,825.0 | 88.30 | 179.60 | 5,223.9 | -2,957.6 | -7.9 | 2,957.7 | 0.32 | -0.32 | 0.00 |
| 7,889.0 | 86.50 | 179.60 | 5,226.8 | -3,021.6 | -7.4 | 3,021.6 | 2.81 | -2.81 | 0.00 |
| 7,921.0 | 86.80 | 179.50 | 5,228.7 | -3,053.5 | -7.2 | 3,053.5 | 0.99 | 0.94 | -0.31 |
| 7,953.0 | 88.30 | 181.00 | 5,230.1 | -3,085.5 | -7.3 | 3,085.5 | 6.63 | 4.69 | 4.69 |
| 8,017.0 | 88.70 | 180.70 | 5,231.7 | -3,149.5 | -8.3 | 3,149.5 | 0.78 | 0.63 | -0.47 |
| 8,081.0 | 88.80 | 180.70 | 5,233.1 | -3,213.4 | -9.0 | 3,213.4 | 0.16 | 0.16 | 0.00 |
| 8,113.0 | 89.10 | 180.90 | 5,233.7 | -3,245.4 | -9.5 | 3,245.4 | 1.13 | 0.94 | 0.63 |
| 8,176.0 | 88.80 | 180.60 | 5,234.9 | -3,308.4 | -10.3 | 3,308.4 | 0.67 | -0.48 | -0.48 |
| 8,208.0 | 89.40 | 180.50 | 5,235.4 | -3,340.4 | -10.6 | 3,340.4 | 1.90 | 1.88 | -0.31 |
| 8,272.0 | 89.50 | 180.00 | 5,236.0 | -3,404.4 | -10.9 | 3,404.4 | 0.80 | 0.16 | -0.78 |
| 8,304.0 | 89.50 | 180.00 | 5,236.3 | -3,436.4 | -10.9 | 3,436.4 | 0.00 | 0.00 | 0.00 |
| 8,400.0 | 88.90 | 180.10 | 5,237.6 | -3,532.4 | -11.0 | 3,532.4 | 0.63 | -0.63 | 0.10 |
| 8,495.0 | 87.90 | 179.90 | 5,240.3 | -3,627.4 | -11.0 | 3,627.4 | 1.07 | -1.05 | -0.21 |
| 8,591.0 | 87.00 | 179.40 | 5,244.5 | -3,723.3 | -10.4 | 3,723.3 | 1.07 | -0.94 | -0.52 |
| 8,655.0 | 87.80 | 179.30 | 5,247.4 | -3,787.2 | -9.7 | 3,787.2 | 1.26 | 1.25 | -0.16 |
| 8,687.0 | 89.60 | 179.30 | 5,248.2 | -3,819.2 | -9.3 | 3,819.2 | 5.63 | 5.63 | 0.00 |
| 8,750.0 | 92.30 | 179.60 | 5,247.1 | -3,882.2 | -8.7 | 3,882.2 | 4.31 | 4.29 | 0.48 |
| 8,782.0 | 91.30 | 179.20 | 5,246.1 | -3,914.1 | -8.3 | 3,914.1 | 3.37 | -3.13 | -1.25 |
| 8,846.0 | 90.70 | 178.50 | 5,245.0 | -3,978.1 | -7.1 | 3,978.1 | 1.44 | -0.94 | -1.09 |
| 8,878.0 | 91.30 | 178.70 | 5,244.4 | -4,010.1 | -6.3 | 4,010.1 | 1.98 | 1.88 | 0.63 |
| 8,942.0 | 90.90 | 178.30 | 5,243.2 | -4,074.1 | -4.6 | 4,074.1 | 0.88 | -0.63 | -0.63 |
| 8,974.0 | 91.20 | 178.50 | 5,242.6 | -4,106.0 | -3.7 | 4,106.0 | 1.13 | 0.94 | 0.63 |
| 9,038.0 | 89.30 | 178.50 | 5,242.4 | -4,170.0 | -2.0 | 4,170.0 | 2.97 | -2.97 | 0.00 |
| 9,101.0 | 89.20 | 179.00 | 5,243.2 | -4,233.0 | -0.7 | 4,233.0 | 0.81 | -0.16 | 0.79 |
| 9,133.0 | 90.50 | 179.10 | 5,243.3 | -4,265.0 | -0.1 | 4,265.0 | 4.07 | 4.06 | 0.31 |
| 9,165.0 | 90.40 | 178.90 | 5,243.0 | -4,297.0 | 0.4 | 4,297.0 | 0.70 | -0.31 | -0.63 |
| 9,261.0 | 93.10 | 180.20 | 5,240.1 | -4,392.9 | 1.2 | 4,392.9 | 3.12 | 2.81 | 1.35 |
| 9,325.0 | 89.40 | 179.30 | 5,238.7 | -4,456.9 | 1.5 | 4,456.9 | 5.95 | -5.78 | -1.41 |
| 9,357.0 | 89.40 | 179.10 | 5,239.0 | -4,488.9 | 1.9 | 4,488.9 | 0.62 | 0.00 | -0.63 |
| 9,421.0 | 89.30 | 178.50 | 5,239.7 | -4,552.9 | 3.3 | 4,552.9 | 0.95 | -0.16 | -0.94 |
| 9,452.0 | 89.90 | 177.90 | 5,240.0 | -4,583.9 | 4.2 | 4,583.8 | 2.74 | 1.94 | -1.94 |
| 9,523.0 | 88.90 | 177.70 | 5,240.7 | -4,654.8 | 6.9 | 4,654.8 | 1.44 | -1.41 | -0.28 |

Survey Report

| | | | |
|------------------|----------------------------------|-------------------------------------|--|
| Company: | Sandridge Energy, INC.(mid-con.) | Local Co-ordinate Reference: | Well Anita 3420 1-12H/ Lariat 19 |
| Project: | Comanche County (KS27S) | TVD Reference: | WELL @ 1813.0usft (Original Well Elev) |
| Site: | Sec 12-T34S-R20W | MD Reference: | WELL @ 1813.0usft (Original Well Elev) |
| Well: | Anita 3420 1-12H/ Lariat 19 | 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) |
| Last Archer MWD Survey | | | | | | | | | |
| 9,576.0 | 88.90 | 177.70 | 5,241.7 | -4,707.8 | 9.1 | 4,707.7 | 0.00 | 0.00 | 0.00 |
| Projection to TD - PBHL Anita 1-12H | | | | | | | | | |

| Design Annotations | | | | | |
|-----------------------|-----------------------|-------------------|--------------|-------------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | Comment | |
| | | +N/-S (usft) | +E/-W (usft) | | |
| 250.0 | 250.0 | 1.3 | 0.0 | First Wireline Survey | |
| 978.0 | 978.0 | 5.4 | 0.0 | Last Wireline Survey | |
| 1,111.0 | 1,111.0 | 6.3 | 0.1 | First Archer MWD Survey | |
| 9,523.0 | 5,240.7 | -4,654.8 | 6.9 | Last Archer MWD Survey | |
| 9,576.0 | 5,241.7 | -4,707.8 | 9.1 | Projection to TD | |

| | | |
|-------------------|--------------------|-------------|
| Checked By: _____ | Approved By: _____ | Date: _____ |
|-------------------|--------------------|-------------|