

SRC ENERGY

WELD COUNTY (NAD83, TRUE NORTH)

5N-66W-29 SANFORD 21-29 PAD

SANFORD 4N-30C-M

Wellbore #1

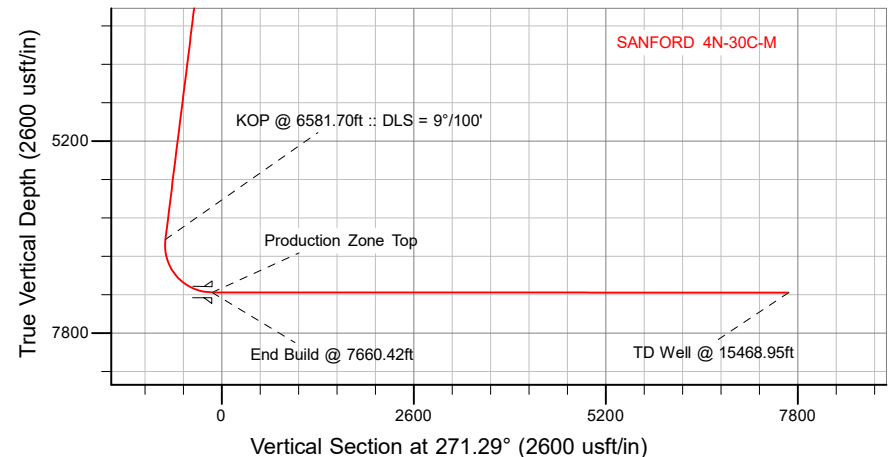
Plan: Design #1

Standard Planning Report

25 October, 2018

SRC ENERGY

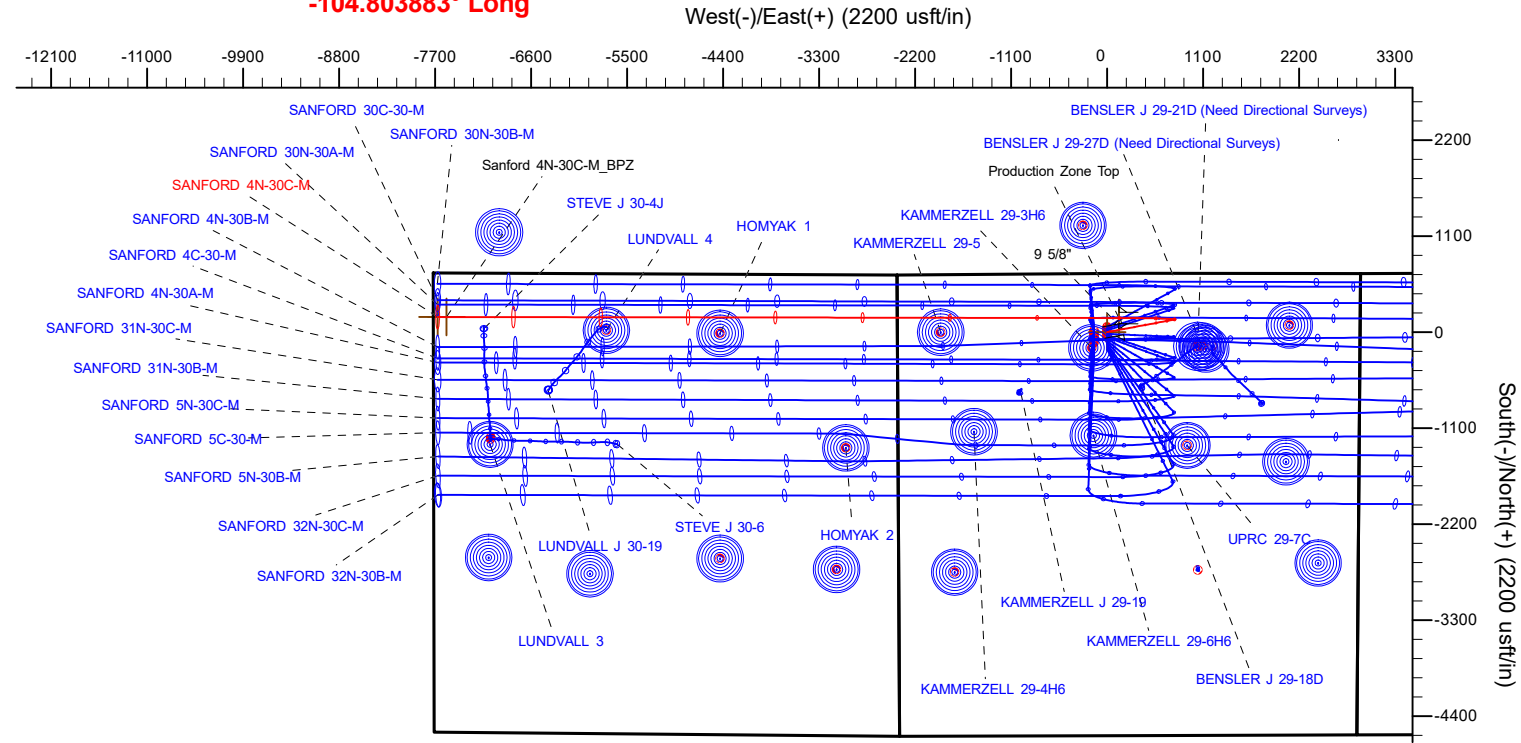
| CASING DETAILS | | |
|----------------|---------|---------------------|
| TVD | MD | Name |
| 1800.00 | 1810.92 | 9 5/8" |
| 7248.00 | 7660.42 | Production Zone Top |

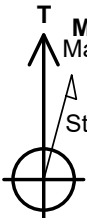


| SECTION DETAILS | | | | | | | | | | |
|-----------------|----------|-------|--------|---------|--------|----------|------|---------|---------|----------------------|
| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSect | Target |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 200.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 562.00 | 7.24 | 79.40 | 561.04 | 4.20 | 22.45 | 2.00 | 79.40 | -22.35 | |
| 4 | 6581.70 | 7.24 | 79.40 | 6532.74 | 143.75 | 768.14 | 0.00 | 0.00 | -764.71 | |
| 5 | 7660.42 | 89.97 | 270.08 | 7248.00 | 161.52 | 136.78 | 9.00 | -169.23 | -133.10 | |
| 6 | 15468.95 | 89.97 | 270.08 | 7252.00 | 173.04 | -7671.75 | 0.00 | 0.00 | 7673.70 | Sanford 4N-30C-M_BHL |

| WELLBORE TARGET DETAILS (LAT/LONG) | | | | | |
|------------------------------------|---------|--------|----------|-----------|-------------|
| Name | TVD | +N/-S | +E/-W | Latitude | Longitude |
| Sanford 4N-30C-M_BPZ | 0.00 | 173.01 | -7571.73 | 40.376385 | -104.831551 |
| Sanford 4N-30C-M_SHL | 0.00 | 0.00 | 0.00 | 40.375913 | -104.804374 |
| Sanford 4N-30C-M_BHL | 7252.00 | 173.04 | -7671.75 | 40.376385 | -104.831910 |

| | | | |
|-----------|-------------------|----------------------------------|----------|
| SHL | LP | BPZ | BHL |
| 671' FNL | 508' FNL | 505' FNL | 505' FNL |
| 2394' FWL | 2533' FWL | 150' FWL | 50' FWL |
| | 40.376356° Lat | | |
| | -104.803883° Long | | |
| | | West(-) / East(+) (3200 usft/in) | |



| | |
|--|---|
| WELL DETAILS: SANFORD 4N-30C-M | |
| GL = 4904' | |
| RKB = 4' @ 4908.00usft (RIG) | |
| Plan: Design #1 (SANFORD 4N-30C-M/Wellbore #1) | |
| Date: 10/25/2015 | |
| |  <p> Azimuths to True North Magnetic North: 8.09° Magnetic Field Strength: 52222.0snT Dip Angle: 66.79° Date: 10/20/2018 Model: IGRF2015 </p> |

Hewlett-Packard

Planning Report

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|------------------|---------------------------------|-------------------------------------|------------------------------|
| Database: | EDM 5000.14 Single User Db | Local Co-ordinate Reference: | Well SANFORD 4N-30C-M |
| Company: | SRC ENERGY | TVD Reference: | RKB = 4' @ 4908.00usft (RIG) |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | MD Reference: | RKB = 4' @ 4908.00usft (RIG) |
| Site: | 5N-66W-29 SANFORD 21-29 PAD | North Reference: | True |
| Well: | SANFORD 4N-30C-M | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #1 | | |

| | | | |
|--------------------|---------------------------------|----------------------|----------------|
| Project | WELD COUNTY (NAD83, TRUE NORTH) | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Colorado Northern Zone | | |

| | | | | |
|------------------------------|-----------------------------|---------------------|-------------------|---------------------------------|
| Site | 5N-66W-29 SANFORD 21-29 PAD | | | |
| Site Position: | | Northing: | 1,380,603.61 usft | Latitude: 40.376075 |
| From: | Lat/Long | Easting: | 3,193,654.99 usft | Longitude: -104.804914 |
| Position Uncertainty: | 0.00 usft | Slot Radius: | 13-3/16 " | Grid Convergence: 0.45 ° |

| | | | | |
|-----------------------------|------------------|-------------|----------------------------|------------------------------------|
| Well | SANFORD 4N-30C-M | | | |
| Well Position | +N/-S | -59.03 usft | Northing: | 1,380,545.76 usft |
| | +E/-W | 150.45 usft | Easting: | 3,193,805.89 usft |
| Position Uncertainty | | 3.28 usft | Wellhead Elevation: | Latitude: 40.375913 |
| | | | | Longitude: -104.804374 |
| | | | | Ground Level: 4,904.00 usft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Wellbore #1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2015 | 10/20/2018 | 8.09 | 66.79 | 52,221.99174516 |

| | | | | |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| Design | Design #1 | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PLAN | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) (usft) | +N/-S (usft) | +E/-W (usft) | Direction (°) |
| | 0.00 | 0.00 | 0.00 | 271.29 |

| | | | | |
|---------------------------------|------------------------|--------------------------|-------------------------|-----------------------------------|
| Plan Survey Tool Program | Date | 10/25/2018 | | |
| Depth From (usft) | Depth To (usft) | Survey (Wellbore) | Tool Name | Remarks |
| 1 | 0.00 | 1,800.00 | Design #1 (Wellbore #1) | SRC Energy_ISCWSA REV 2 |
| | | | | Fixed:v2:crustal field declinatio |
| 2 | 1,800.00 | 15,468.95 | Design #1 (Wellbore #1) | SRC Energy_ISCWSA REV 2 |
| | | | | Fixed:v2:Rockies, crustal dec + |

| | | | | | | | | | | |
|------------------------------|------------------------|--------------------|------------------------------|---------------------|---------------------|--------------------------------|-------------------------------|------------------------------|----------------|--------------------|
| Plan Sections | | | | | | | | | | |
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 200.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 562.00 | 7.24 | 79.40 | 561.04 | 4.20 | 22.45 | 2.00 | 2.00 | 0.00 | 79.40 | |
| 6,581.70 | 7.24 | 79.40 | 6,532.74 | 143.75 | 768.14 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7,660.42 | 89.97 | 270.08 | 7,248.00 | 161.52 | 136.78 | 9.00 | 7.67 | -15.70 | -169.23 | |
| 15,468.95 | 89.97 | 270.08 | 7,252.00 | 173.04 | -7,671.75 | 0.00 | 0.00 | 0.00 | 0.00 | Sanford 4N-30C-M_B |

Hewlett-Packard

Planning Report

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|------------------|---------------------------------|-------------------------------------|------------------------------|
| Database: | EDM 5000.14 Single User Db | Local Co-ordinate Reference: | Well SANFORD 4N-30C-M |
| Company: | SRC ENERGY | TVD Reference: | RKB = 4' @ 4908.00usft (RIG) |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | MD Reference: | RKB = 4' @ 4908.00usft (RIG) |
| Site: | 5N-66W-29 SANFORD 21-29 PAD | North Reference: | True |
| Well: | SANFORD 4N-30C-M | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #1 | | |

| Planned 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) |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Begin Nudge @ 200.00ft | | | | | | | | | |
| 300.00 | 2.00 | 79.40 | 299.98 | 0.32 | 1.72 | -1.71 | 2.00 | 2.00 | 0.00 |
| 400.00 | 4.00 | 79.40 | 399.84 | 1.28 | 6.86 | -6.83 | 2.00 | 2.00 | 0.00 |
| 500.00 | 6.00 | 79.40 | 499.45 | 2.89 | 15.43 | -15.36 | 2.00 | 2.00 | 0.00 |
| 562.00 | 7.24 | 79.40 | 561.04 | 4.20 | 22.45 | -22.35 | 2.00 | 2.00 | 0.00 |
| Hold Tangent @ 562.00ft | | | | | | | | | |
| 600.00 | 7.24 | 79.40 | 598.73 | 5.08 | 27.16 | -27.04 | 0.00 | 0.00 | 0.00 |
| 700.00 | 7.24 | 79.40 | 697.94 | 7.40 | 39.55 | -39.37 | 0.00 | 0.00 | 0.00 |
| 800.00 | 7.24 | 79.40 | 797.14 | 9.72 | 51.93 | -51.70 | 0.00 | 0.00 | 0.00 |
| 900.00 | 7.24 | 79.40 | 896.34 | 12.04 | 64.32 | -64.03 | 0.00 | 0.00 | 0.00 |
| 1,000.00 | 7.24 | 79.40 | 995.55 | 14.36 | 76.71 | -76.37 | 0.00 | 0.00 | 0.00 |
| 1,100.00 | 7.24 | 79.40 | 1,094.75 | 16.67 | 89.10 | -88.70 | 0.00 | 0.00 | 0.00 |
| 1,200.00 | 7.24 | 79.40 | 1,193.95 | 18.99 | 101.48 | -101.03 | 0.00 | 0.00 | 0.00 |
| 1,300.00 | 7.24 | 79.40 | 1,293.15 | 21.31 | 113.87 | -113.36 | 0.00 | 0.00 | 0.00 |
| 1,400.00 | 7.24 | 79.40 | 1,392.36 | 23.63 | 126.26 | -125.69 | 0.00 | 0.00 | 0.00 |
| 1,500.00 | 7.24 | 79.40 | 1,491.56 | 25.95 | 138.65 | -138.03 | 0.00 | 0.00 | 0.00 |
| 1,600.00 | 7.24 | 79.40 | 1,590.76 | 28.27 | 151.03 | -150.36 | 0.00 | 0.00 | 0.00 |
| 1,700.00 | 7.24 | 79.40 | 1,689.96 | 30.58 | 163.42 | -162.69 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 7.24 | 79.40 | 1,789.17 | 32.90 | 175.81 | -175.02 | 0.00 | 0.00 | 0.00 |
| 1,810.92 | 7.24 | 79.40 | 1,800.00 | 33.15 | 177.16 | -176.37 | 0.00 | 0.00 | 0.00 |
| 9 5/8" | | | | | | | | | |
| 1,900.00 | 7.24 | 79.40 | 1,888.37 | 35.22 | 188.20 | -187.35 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 7.24 | 79.40 | 1,987.57 | 37.54 | 200.58 | -199.69 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 7.24 | 79.40 | 2,086.77 | 39.86 | 212.97 | -212.02 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 7.24 | 79.40 | 2,185.98 | 42.17 | 225.36 | -224.35 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 7.24 | 79.40 | 2,285.18 | 44.49 | 237.75 | -236.68 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 7.24 | 79.40 | 2,384.38 | 46.81 | 250.13 | -249.01 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 7.24 | 79.40 | 2,483.59 | 49.13 | 262.52 | -261.35 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 7.24 | 79.40 | 2,582.79 | 51.45 | 274.91 | -273.68 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 7.24 | 79.40 | 2,681.99 | 53.77 | 287.30 | -286.01 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 7.24 | 79.40 | 2,781.19 | 56.08 | 299.68 | -298.34 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 7.24 | 79.40 | 2,880.40 | 58.40 | 312.07 | -310.68 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 7.24 | 79.40 | 2,979.60 | 60.72 | 324.46 | -323.01 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 7.24 | 79.40 | 3,078.80 | 63.04 | 336.85 | -335.34 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 7.24 | 79.40 | 3,178.00 | 65.36 | 349.23 | -347.67 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 7.24 | 79.40 | 3,277.21 | 67.68 | 361.62 | -360.00 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 7.24 | 79.40 | 3,376.41 | 69.99 | 374.01 | -372.34 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 7.24 | 79.40 | 3,475.61 | 72.31 | 386.40 | -384.67 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 7.24 | 79.40 | 3,574.82 | 74.63 | 398.78 | -397.00 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 7.24 | 79.40 | 3,674.02 | 76.95 | 411.17 | -409.33 | 0.00 | 0.00 | 0.00 |
| 3,800.00 | 7.24 | 79.40 | 3,773.22 | 79.27 | 423.56 | -421.66 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 7.24 | 79.40 | 3,872.42 | 81.59 | 435.95 | -434.00 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 7.24 | 79.40 | 3,971.63 | 83.90 | 448.33 | -446.33 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 7.24 | 79.40 | 4,070.83 | 86.22 | 460.72 | -458.66 | 0.00 | 0.00 | 0.00 |
| 4,200.00 | 7.24 | 79.40 | 4,170.03 | 88.54 | 473.11 | -470.99 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 7.24 | 79.40 | 4,269.23 | 90.86 | 485.50 | -483.32 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 7.24 | 79.40 | 4,368.44 | 93.18 | 497.88 | -495.66 | 0.00 | 0.00 | 0.00 |
| 4,500.00 | 7.24 | 79.40 | 4,467.64 | 95.49 | 510.27 | -507.99 | 0.00 | 0.00 | 0.00 |
| 4,600.00 | 7.24 | 79.40 | 4,566.84 | 97.81 | 522.66 | -520.32 | 0.00 | 0.00 | 0.00 |
| 4,700.00 | 7.24 | 79.40 | 4,666.05 | 100.13 | 535.05 | -532.65 | 0.00 | 0.00 | 0.00 |

Hewlett-Packard

Planning Report

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|------------------|---------------------------------|-------------------------------------|------------------------------|
| Database: | EDM 5000.14 Single User Db | Local Co-ordinate Reference: | Well SANFORD 4N-30C-M |
| Company: | SRC ENERGY | TVD Reference: | RKB = 4' @ 4908.00usft (RIG) |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | MD Reference: | RKB = 4' @ 4908.00usft (RIG) |
| Site: | 5N-66W-29 SANFORD 21-29 PAD | North Reference: | True |
| Well: | SANFORD 4N-30C-M | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #1 | | |

| Planned 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) |
| 4,800.00 | 7.24 | 79.40 | 4,765.25 | 102.45 | 547.43 | -544.99 | 0.00 | 0.00 | 0.00 |
| 4,900.00 | 7.24 | 79.40 | 4,864.45 | 104.77 | 559.82 | -557.32 | 0.00 | 0.00 | 0.00 |
| 5,000.00 | 7.24 | 79.40 | 4,963.65 | 107.09 | 572.21 | -569.65 | 0.00 | 0.00 | 0.00 |
| 5,100.00 | 7.24 | 79.40 | 5,062.86 | 109.40 | 584.60 | -581.98 | 0.00 | 0.00 | 0.00 |
| 5,200.00 | 7.24 | 79.40 | 5,162.06 | 111.72 | 596.98 | -594.31 | 0.00 | 0.00 | 0.00 |
| 5,300.00 | 7.24 | 79.40 | 5,261.26 | 114.04 | 609.37 | -606.65 | 0.00 | 0.00 | 0.00 |
| 5,400.00 | 7.24 | 79.40 | 5,360.46 | 116.36 | 621.76 | -618.98 | 0.00 | 0.00 | 0.00 |
| 5,500.00 | 7.24 | 79.40 | 5,459.67 | 118.68 | 634.15 | -631.31 | 0.00 | 0.00 | 0.00 |
| 5,600.00 | 7.24 | 79.40 | 5,558.87 | 121.00 | 646.53 | -643.64 | 0.00 | 0.00 | 0.00 |
| 5,700.00 | 7.24 | 79.40 | 5,658.07 | 123.31 | 658.92 | -655.97 | 0.00 | 0.00 | 0.00 |
| 5,800.00 | 7.24 | 79.40 | 5,757.27 | 125.63 | 671.31 | -668.31 | 0.00 | 0.00 | 0.00 |
| 5,900.00 | 7.24 | 79.40 | 5,856.48 | 127.95 | 683.70 | -680.64 | 0.00 | 0.00 | 0.00 |
| 6,000.00 | 7.24 | 79.40 | 5,955.68 | 130.27 | 696.08 | -692.97 | 0.00 | 0.00 | 0.00 |
| 6,100.00 | 7.24 | 79.40 | 6,054.88 | 132.59 | 708.47 | -705.30 | 0.00 | 0.00 | 0.00 |
| 6,200.00 | 7.24 | 79.40 | 6,154.09 | 134.91 | 720.86 | -717.63 | 0.00 | 0.00 | 0.00 |
| 6,300.00 | 7.24 | 79.40 | 6,253.29 | 137.22 | 733.25 | -729.97 | 0.00 | 0.00 | 0.00 |
| 6,400.00 | 7.24 | 79.40 | 6,352.49 | 139.54 | 745.63 | -742.30 | 0.00 | 0.00 | 0.00 |
| 6,500.00 | 7.24 | 79.40 | 6,451.69 | 141.86 | 758.02 | -754.63 | 0.00 | 0.00 | 0.00 |
| 6,581.70 | 7.24 | 79.40 | 6,532.74 | 143.75 | 768.14 | -764.71 | 0.00 | 0.00 | 0.00 |
| KOP @ 6581.70ft :: DLS = 9°/100' | | | | | | | | | |
| 6,600.00 | 5.63 | 76.26 | 6,550.93 | 144.18 | 770.15 | -766.70 | 9.00 | -8.80 | -17.14 |
| 6,700.00 | 3.78 | 290.96 | 6,650.78 | 146.53 | 771.84 | -768.34 | 9.00 | -1.85 | -145.31 |
| 6,800.00 | 12.60 | 276.13 | 6,749.67 | 148.88 | 757.88 | -754.33 | 9.00 | 8.82 | -14.83 |
| 6,900.00 | 21.57 | 273.50 | 6,845.16 | 151.17 | 728.62 | -725.03 | 9.00 | 8.97 | -2.63 |
| 7,000.00 | 30.56 | 272.37 | 6,934.90 | 153.35 | 684.78 | -681.15 | 9.00 | 8.99 | -1.13 |
| 7,100.00 | 39.55 | 271.72 | 7,016.67 | 155.36 | 627.44 | -623.78 | 9.00 | 8.99 | -0.65 |
| 7,200.00 | 48.55 | 271.28 | 7,088.47 | 157.15 | 558.00 | -554.32 | 9.00 | 8.99 | -0.44 |
| 7,300.00 | 57.54 | 270.94 | 7,148.53 | 158.68 | 478.19 | -474.49 | 9.00 | 9.00 | -0.33 |
| 7,400.00 | 66.54 | 270.67 | 7,195.36 | 159.91 | 389.96 | -386.26 | 9.00 | 9.00 | -0.27 |
| 7,500.00 | 75.54 | 270.43 | 7,227.82 | 160.82 | 295.49 | -291.79 | 9.00 | 9.00 | -0.24 |
| 7,600.00 | 84.53 | 270.21 | 7,245.11 | 161.37 | 197.10 | -193.41 | 9.00 | 9.00 | -0.22 |
| 7,660.42 | 89.97 | 270.08 | 7,248.00 | 161.52 | 136.77 | -133.09 | 9.00 | 9.00 | -0.21 |
| End Build @ 7660.42ft - Production Zone Top | | | | | | | | | |
| 7,700.00 | 89.97 | 270.08 | 7,248.02 | 161.58 | 97.19 | -93.52 | 0.00 | 0.00 | 0.00 |
| 7,800.00 | 89.97 | 270.08 | 7,248.07 | 161.73 | -2.81 | 6.45 | 0.00 | 0.00 | 0.00 |
| 7,900.00 | 89.97 | 270.08 | 7,248.13 | 161.88 | -102.81 | 106.43 | 0.00 | 0.00 | 0.00 |
| 8,000.00 | 89.97 | 270.08 | 7,248.18 | 162.02 | -202.81 | 206.41 | 0.00 | 0.00 | 0.00 |
| 8,100.00 | 89.97 | 270.08 | 7,248.23 | 162.17 | -302.81 | 306.39 | 0.00 | 0.00 | 0.00 |
| 8,200.00 | 89.97 | 270.08 | 7,248.28 | 162.32 | -402.81 | 406.37 | 0.00 | 0.00 | 0.00 |
| 8,300.00 | 89.97 | 270.08 | 7,248.33 | 162.47 | -502.81 | 506.34 | 0.00 | 0.00 | 0.00 |
| 8,400.00 | 89.97 | 270.08 | 7,248.38 | 162.61 | -602.81 | 606.32 | 0.00 | 0.00 | 0.00 |
| 8,500.00 | 89.97 | 270.08 | 7,248.43 | 162.76 | -702.81 | 706.30 | 0.00 | 0.00 | 0.00 |
| 8,600.00 | 89.97 | 270.08 | 7,248.48 | 162.91 | -802.81 | 806.28 | 0.00 | 0.00 | 0.00 |
| 8,700.00 | 89.97 | 270.08 | 7,248.54 | 163.06 | -902.81 | 906.25 | 0.00 | 0.00 | 0.00 |
| 8,800.00 | 89.97 | 270.08 | 7,248.59 | 163.20 | -1,002.81 | 1,006.23 | 0.00 | 0.00 | 0.00 |
| 8,900.00 | 89.97 | 270.08 | 7,248.64 | 163.35 | -1,102.81 | 1,106.21 | 0.00 | 0.00 | 0.00 |
| 9,000.00 | 89.97 | 270.08 | 7,248.69 | 163.50 | -1,202.81 | 1,206.19 | 0.00 | 0.00 | 0.00 |
| 9,100.00 | 89.97 | 270.08 | 7,248.74 | 163.65 | -1,302.81 | 1,306.17 | 0.00 | 0.00 | 0.00 |
| 9,200.00 | 89.97 | 270.08 | 7,248.79 | 163.79 | -1,402.81 | 1,406.14 | 0.00 | 0.00 | 0.00 |
| 9,300.00 | 89.97 | 270.08 | 7,248.84 | 163.94 | -1,502.81 | 1,506.12 | 0.00 | 0.00 | 0.00 |
| 9,400.00 | 89.97 | 270.08 | 7,248.89 | 164.09 | -1,602.81 | 1,606.10 | 0.00 | 0.00 | 0.00 |
| 9,500.00 | 89.97 | 270.08 | 7,248.94 | 164.24 | -1,702.81 | 1,706.08 | 0.00 | 0.00 | 0.00 |
| 9,600.00 | 89.97 | 270.08 | 7,249.00 | 164.38 | -1,802.81 | 1,806.05 | 0.00 | 0.00 | 0.00 |
| 9,700.00 | 89.97 | 270.08 | 7,249.05 | 164.53 | -1,902.81 | 1,906.03 | 0.00 | 0.00 | 0.00 |

Hewlett-Packard

Planning Report

| | | | |
|------------------|---------------------------------|-------------------------------------|------------------------------|
| Database: | EDM 5000.14 Single User Db | Local Co-ordinate Reference: | Well SANFORD 4N-30C-M |
| Company: | SRC ENERGY | TVD Reference: | RKB = 4' @ 4908.00usft (RIG) |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | MD Reference: | RKB = 4' @ 4908.00usft (RIG) |
| Site: | 5N-66W-29 SANFORD 21-29 PAD | North Reference: | True |
| Well: | SANFORD 4N-30C-M | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #1 | | |

| Planned 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) |
| 9,800.00 | 89.97 | 270.08 | 7,249.10 | 164.68 | -2,002.81 | 2,006.01 | 0.00 | 0.00 | 0.00 |
| 9,900.00 | 89.97 | 270.08 | 7,249.15 | 164.83 | -2,102.81 | 2,105.99 | 0.00 | 0.00 | 0.00 |
| 10,000.00 | 89.97 | 270.08 | 7,249.20 | 164.97 | -2,202.81 | 2,205.97 | 0.00 | 0.00 | 0.00 |
| 10,100.00 | 89.97 | 270.08 | 7,249.25 | 165.12 | -2,302.81 | 2,305.94 | 0.00 | 0.00 | 0.00 |
| 10,200.00 | 89.97 | 270.08 | 7,249.30 | 165.27 | -2,402.80 | 2,405.92 | 0.00 | 0.00 | 0.00 |
| 10,300.00 | 89.97 | 270.08 | 7,249.35 | 165.42 | -2,502.80 | 2,505.90 | 0.00 | 0.00 | 0.00 |
| 10,400.00 | 89.97 | 270.08 | 7,249.41 | 165.56 | -2,602.80 | 2,605.88 | 0.00 | 0.00 | 0.00 |
| 10,500.00 | 89.97 | 270.08 | 7,249.46 | 165.71 | -2,702.80 | 2,705.85 | 0.00 | 0.00 | 0.00 |
| 10,600.00 | 89.97 | 270.08 | 7,249.51 | 165.86 | -2,802.80 | 2,805.83 | 0.00 | 0.00 | 0.00 |
| 10,700.00 | 89.97 | 270.08 | 7,249.56 | 166.01 | -2,902.80 | 2,905.81 | 0.00 | 0.00 | 0.00 |
| 10,800.00 | 89.97 | 270.08 | 7,249.61 | 166.15 | -3,002.80 | 3,005.79 | 0.00 | 0.00 | 0.00 |
| 10,900.00 | 89.97 | 270.08 | 7,249.66 | 166.30 | -3,102.80 | 3,105.77 | 0.00 | 0.00 | 0.00 |
| 11,000.00 | 89.97 | 270.08 | 7,249.71 | 166.45 | -3,202.80 | 3,205.74 | 0.00 | 0.00 | 0.00 |
| 11,100.00 | 89.97 | 270.08 | 7,249.76 | 166.60 | -3,302.80 | 3,305.72 | 0.00 | 0.00 | 0.00 |
| 11,200.00 | 89.97 | 270.08 | 7,249.82 | 166.74 | -3,402.80 | 3,405.70 | 0.00 | 0.00 | 0.00 |
| 11,300.00 | 89.97 | 270.08 | 7,249.87 | 166.89 | -3,502.80 | 3,505.68 | 0.00 | 0.00 | 0.00 |
| 11,400.00 | 89.97 | 270.08 | 7,249.92 | 167.04 | -3,602.80 | 3,605.65 | 0.00 | 0.00 | 0.00 |
| 11,500.00 | 89.97 | 270.08 | 7,249.97 | 167.19 | -3,702.80 | 3,705.63 | 0.00 | 0.00 | 0.00 |
| 11,600.00 | 89.97 | 270.08 | 7,250.02 | 167.33 | -3,802.80 | 3,805.61 | 0.00 | 0.00 | 0.00 |
| 11,700.00 | 89.97 | 270.08 | 7,250.07 | 167.48 | -3,902.80 | 3,905.59 | 0.00 | 0.00 | 0.00 |
| 11,800.00 | 89.97 | 270.08 | 7,250.12 | 167.63 | -4,002.80 | 4,005.57 | 0.00 | 0.00 | 0.00 |
| 11,900.00 | 89.97 | 270.08 | 7,250.17 | 167.78 | -4,102.80 | 4,105.54 | 0.00 | 0.00 | 0.00 |
| 12,000.00 | 89.97 | 270.08 | 7,250.22 | 167.92 | -4,202.80 | 4,205.52 | 0.00 | 0.00 | 0.00 |
| 12,100.00 | 89.97 | 270.08 | 7,250.28 | 168.07 | -4,302.80 | 4,305.50 | 0.00 | 0.00 | 0.00 |
| 12,200.00 | 89.97 | 270.08 | 7,250.33 | 168.22 | -4,402.80 | 4,405.48 | 0.00 | 0.00 | 0.00 |
| 12,300.00 | 89.97 | 270.08 | 7,250.38 | 168.37 | -4,502.80 | 4,505.45 | 0.00 | 0.00 | 0.00 |
| 12,400.00 | 89.97 | 270.08 | 7,250.43 | 168.51 | -4,602.80 | 4,605.43 | 0.00 | 0.00 | 0.00 |
| 12,500.00 | 89.97 | 270.08 | 7,250.48 | 168.66 | -4,702.80 | 4,705.41 | 0.00 | 0.00 | 0.00 |
| 12,600.00 | 89.97 | 270.08 | 7,250.53 | 168.81 | -4,802.80 | 4,805.39 | 0.00 | 0.00 | 0.00 |
| 12,700.00 | 89.97 | 270.08 | 7,250.58 | 168.96 | -4,902.80 | 4,905.37 | 0.00 | 0.00 | 0.00 |
| 12,800.00 | 89.97 | 270.08 | 7,250.63 | 169.10 | -5,002.80 | 5,005.34 | 0.00 | 0.00 | 0.00 |
| 12,900.00 | 89.97 | 270.08 | 7,250.69 | 169.25 | -5,102.80 | 5,105.32 | 0.00 | 0.00 | 0.00 |
| 13,000.00 | 89.97 | 270.08 | 7,250.74 | 169.40 | -5,202.80 | 5,205.30 | 0.00 | 0.00 | 0.00 |
| 13,100.00 | 89.97 | 270.08 | 7,250.79 | 169.55 | -5,302.80 | 5,305.28 | 0.00 | 0.00 | 0.00 |
| 13,200.00 | 89.97 | 270.08 | 7,250.84 | 169.69 | -5,402.80 | 5,405.25 | 0.00 | 0.00 | 0.00 |
| 13,300.00 | 89.97 | 270.08 | 7,250.89 | 169.84 | -5,502.80 | 5,505.23 | 0.00 | 0.00 | 0.00 |
| 13,400.00 | 89.97 | 270.08 | 7,250.94 | 169.99 | -5,602.80 | 5,605.21 | 0.00 | 0.00 | 0.00 |
| 13,500.00 | 89.97 | 270.08 | 7,250.99 | 170.14 | -5,702.80 | 5,705.19 | 0.00 | 0.00 | 0.00 |
| 13,600.00 | 89.97 | 270.08 | 7,251.04 | 170.28 | -5,802.80 | 5,805.17 | 0.00 | 0.00 | 0.00 |
| 13,700.00 | 89.97 | 270.08 | 7,251.09 | 170.43 | -5,902.80 | 5,905.14 | 0.00 | 0.00 | 0.00 |
| 13,800.00 | 89.97 | 270.08 | 7,251.15 | 170.58 | -6,002.80 | 6,005.12 | 0.00 | 0.00 | 0.00 |
| 13,900.00 | 89.97 | 270.08 | 7,251.20 | 170.73 | -6,102.80 | 6,105.10 | 0.00 | 0.00 | 0.00 |
| 14,000.00 | 89.97 | 270.08 | 7,251.25 | 170.87 | -6,202.80 | 6,205.08 | 0.00 | 0.00 | 0.00 |
| 14,100.00 | 89.97 | 270.08 | 7,251.30 | 171.02 | -6,302.80 | 6,305.05 | 0.00 | 0.00 | 0.00 |
| 14,200.00 | 89.97 | 270.08 | 7,251.35 | 171.17 | -6,402.80 | 6,405.03 | 0.00 | 0.00 | 0.00 |
| 14,300.00 | 89.97 | 270.08 | 7,251.40 | 171.32 | -6,502.80 | 6,505.01 | 0.00 | 0.00 | 0.00 |
| 14,400.00 | 89.97 | 270.08 | 7,251.45 | 171.46 | -6,602.80 | 6,604.99 | 0.00 | 0.00 | 0.00 |
| 14,500.00 | 89.97 | 270.08 | 7,251.50 | 171.61 | -6,702.80 | 6,704.97 | 0.00 | 0.00 | 0.00 |
| 14,600.00 | 89.97 | 270.08 | 7,251.56 | 171.76 | -6,802.80 | 6,804.94 | 0.00 | 0.00 | 0.00 |
| 14,700.00 | 89.97 | 270.08 | 7,251.61 | 171.91 | -6,902.80 | 6,904.92 | 0.00 | 0.00 | 0.00 |
| 14,800.00 | 89.97 | 270.08 | 7,251.66 | 172.05 | -7,002.80 | 7,004.90 | 0.00 | 0.00 | 0.00 |
| 14,900.00 | 89.97 | 270.08 | 7,251.71 | 172.20 | -7,102.80 | 7,104.88 | 0.00 | 0.00 | 0.00 |
| 15,000.00 | 89.97 | 270.08 | 7,251.76 | 172.35 | -7,202.80 | 7,204.85 | 0.00 | 0.00 | 0.00 |
| 15,100.00 | 89.97 | 270.08 | 7,251.81 | 172.50 | -7,302.80 | 7,304.83 | 0.00 | 0.00 | 0.00 |

Hewlett-Packard

Planning Report

| | | | |
|------------------|---------------------------------|-------------------------------------|------------------------------|
| Database: | EDM 5000.14 Single User Db | Local Co-ordinate Reference: | Well SANFORD 4N-30C-M |
| Company: | SRC ENERGY | TVD Reference: | RKB = 4' @ 4908.00usft (RIG) |
| Project: | WELD COUNTY (NAD83, TRUE NORTH) | MD Reference: | RKB = 4' @ 4908.00usft (RIG) |
| Site: | 5N-66W-29 SANFORD 21-29 PAD | North Reference: | True |
| Well: | SANFORD 4N-30C-M | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #1 | | |

| Planned 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) | |
| 15,200.00 | 89.97 | 270.08 | 7,251.86 | 172.64 | -7,402.80 | 7,404.81 | 0.00 | 0.00 | 0.00 | |
| 15,300.00 | 89.97 | 270.08 | 7,251.91 | 172.79 | -7,502.80 | 7,504.79 | 0.00 | 0.00 | 0.00 | |
| 15,400.00 | 89.97 | 270.08 | 7,251.96 | 172.94 | -7,602.80 | 7,604.77 | 0.00 | 0.00 | 0.00 | |
| 15,468.95 | 89.97 | 270.08 | 7,252.00 | 173.04 | -7,671.75 | 7,673.70 | 0.00 | 0.00 | 0.00 | |
| TD Well @ 15468.95ft | | | | | | | | | | |

| Casing Points | | | | | |
|-----------------------|-----------------------|---------------------|---------------------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Casing Diameter (") | Hole Diameter (") | |
| 1,810.92 | 1,800.00 | 9 5/8" | 9-5/8 | 13-1/2 | |
| 7,660.42 | 7,248.00 | Production Zone Top | 5-1/2 | 8-1/2 | |

| Plan Annotations | | | | | |
|-----------------------|-----------------------|-------------------|--------------|----------------------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | | |
| | | +N/-S (usft) | +E/-W (usft) | Comment | |
| 200.00 | 200.00 | 0.00 | 0.00 | Begin Nudge @ 200.00ft | |
| 562.00 | 561.04 | 4.20 | 22.45 | Hold Tangent @ 562.00ft | |
| 6,581.70 | 6,532.74 | 143.75 | 768.14 | KOP @ 6581.70ft :: DLS = 9°/100' | |
| 7,660.42 | 7,248.00 | 161.52 | 136.78 | End Build @ 7660.42ft | |
| 15,468.95 | 7,252.00 | 173.04 | -7,671.75 | TD Well @ 15468.95ft | |