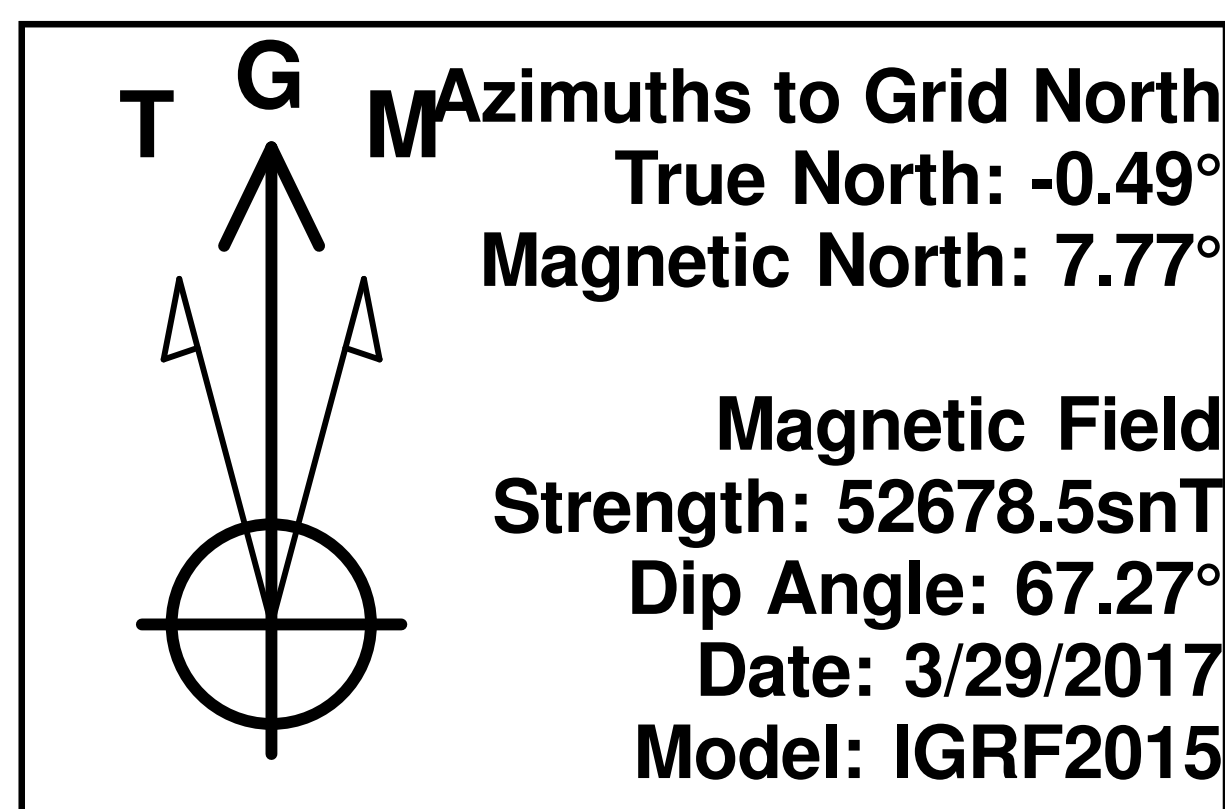


Longs Peak Resources
Project: Weld County, Co (NAD 83)
Site: Dorada East Pad
Well: Dorada East 1411-12CH
Wellbore: Wellbore #1

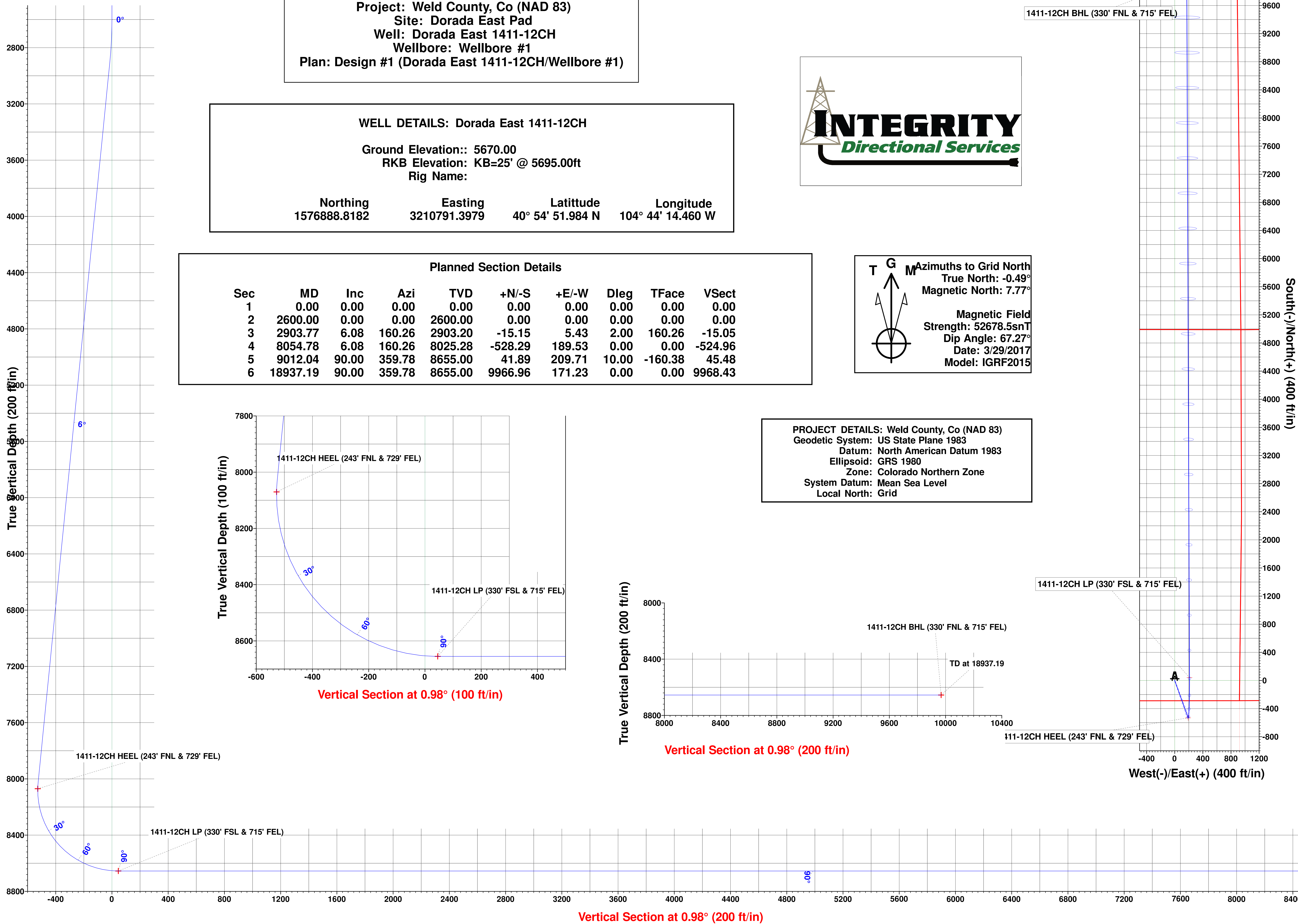
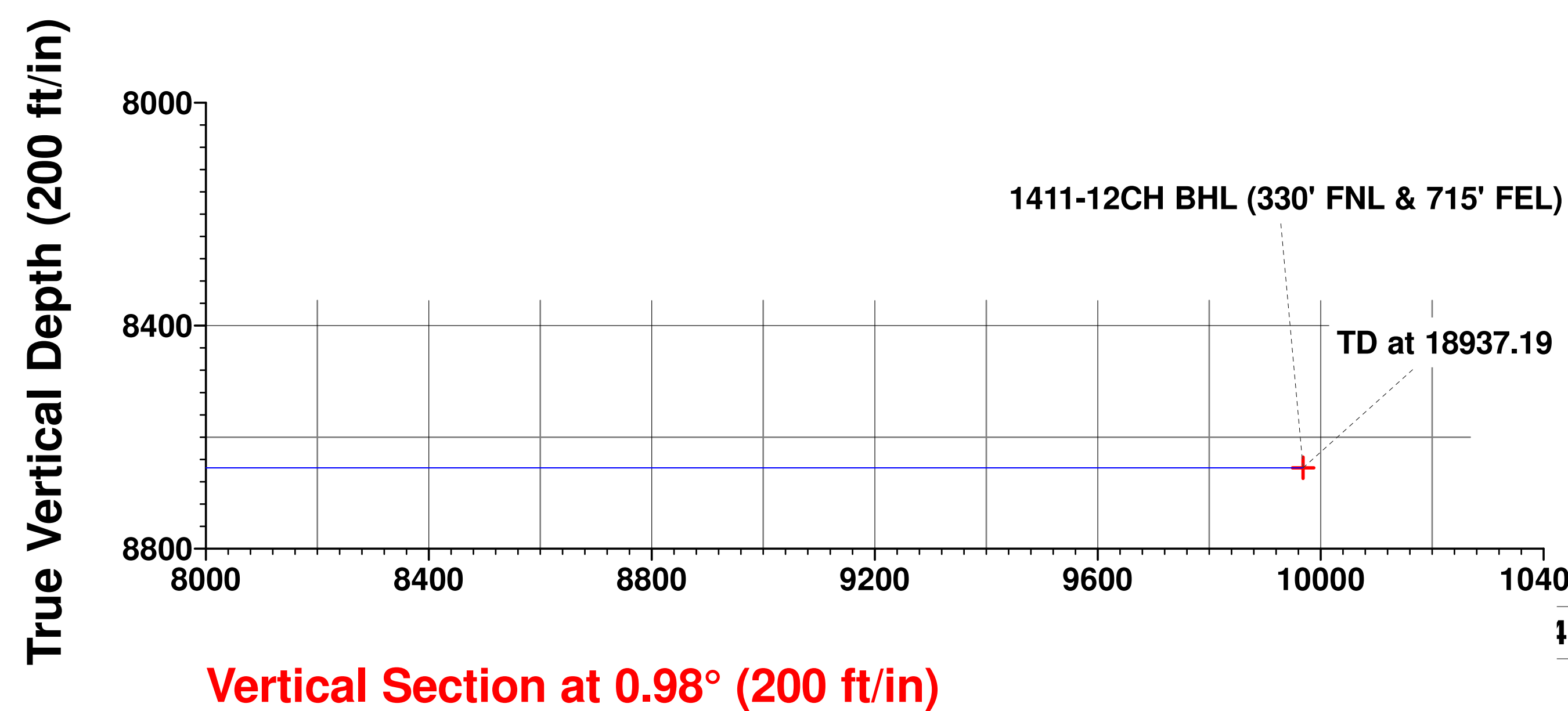
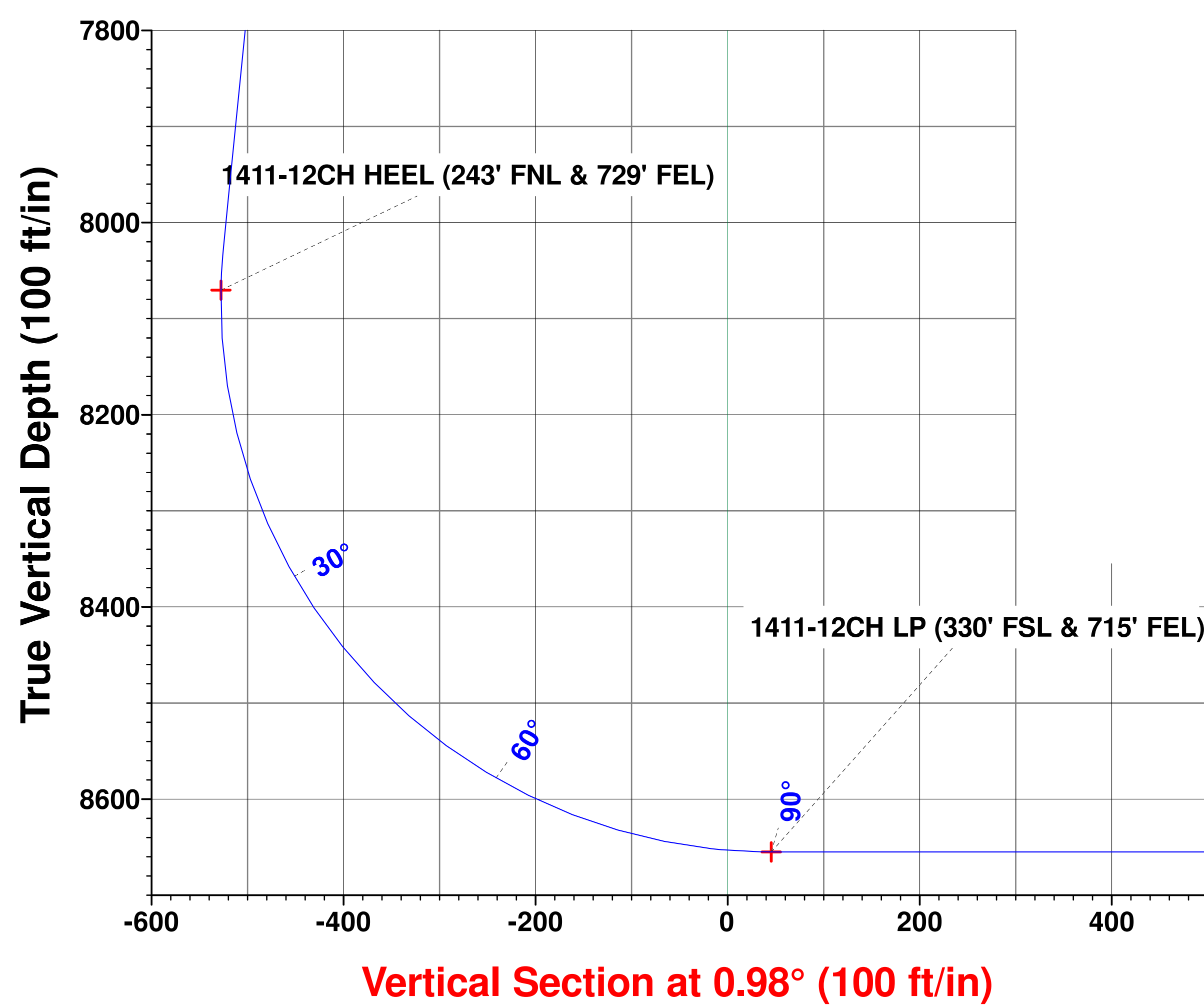
Ground Elevation:: 5670.00
RKB Elevation: KB=25' @ 5695.00ft
Rig Name:

| | | | |
|--------------|--------------|------------------|-------------------|
| North | East | Lat | Long |
| 1576888.8182 | 3210791.3979 | 40° 54' 51.984 N | 104° 44' 14.460 W |

| Planned Section Details | | | | | | | | | |
|-------------------------|----------|-------|--------|---------|---------|--------|-------|---------|---------|
| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSect |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 2600.00 | 0.00 | 0.00 | 2600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 2903.77 | 6.08 | 160.26 | 2903.20 | -15.15 | 5.43 | 2.00 | 160.26 | -15.05 |
| 4 | 8054.78 | 6.08 | 160.26 | 8025.28 | -528.29 | 189.53 | 0.00 | 0.00 | -524.96 |
| 5 | 9012.04 | 90.00 | 359.78 | 8655.00 | 41.89 | 209.71 | 10.00 | -160.38 | 45.48 |
| 6 | 18937.19 | 90.00 | 359.78 | 8655.00 | 9966.96 | 171.23 | 0.00 | 0.00 | 9968.43 |



PROJECT DETAILS: Weld County, Co (NAD 83)
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Northern Zone
System Datum: Mean Sea Level
Local North: Grid



Longs Peak Resources

Weld County, Co (NAD 83)

Dorada East Pad

Dorada East 1411-12CH

Wellbore #1

Plan: Design #1

Standard Survey Report

31 March, 2017



Integrity Directional Services, LLC

Survey Report



| | | | |
|------------------|--------------------------|-------------------------------------|----------------------------|
| Company: | Longs Peak Resources | Local Co-ordinate Reference: | Well Dorada East 1411-12CH |
| Project: | Weld County, Co (NAD 83) | TVD Reference: | KB=25' @ 5695.00ft |
| Site: | Dorada East Pad | MD Reference: | KB=25' @ 5695.00ft |
| Well: | Dorada East 1411-12CH | North Reference: | Grid |
| Wellbore: | Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Design #1 | Database: | EDM 5000.1 Multi User Db |

| | | | |
|--------------------|---------------------------|----------------------|----------------|
| Project | Weld County, Co (NAD 83) | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Colorado Northern Zone | | |

| | | | |
|------------------------------|-----------------|--------------------------|---------------------|
| Site | Dorada East Pad | | |
| Site Position: | | Northing: | 1,576,887.1115 usft |
| From: | Lat/Long | Easting: | 3,210,592.3996 usft |
| Position Uncertainty: | 0.00 ft | Slot Radius: | 13-3/16 " |
| | | Latitude: | 40° 54' 51.984 N |
| | | Longitude: | 104° 44' 17.052 W |
| | | Grid Convergence: | 0.49 ° |

| | | | |
|-----------------------------|-----------------------|----------------------------|--------------------------------------|
| Well | Dorada East 1411-12CH | | |
| Well Position | +N/-S | 0.00 ft | Northing: 1,576,888.8183 usft |
| | +E/-W | 0.00 ft | Easting: 3,210,791.3979 usft |
| Position Uncertainty | 0.00 ft | Wellhead Elevation: | 0.00 ft |
| | | Latitude: | 40° 54' 51.984 N |
| | | Longitude: | 104° 44' 14.460 W |
| | | Ground Level: | 5,670.00 ft |

| | | | |
|------------------|-------------------|--------------------|-----------------------------------|
| Wellbore | Wellbore #1 | | |
| Magnetics | Model Name | Sample Date | Declination (°) |
| | IGRF2015 | 3/29/2017 | 8.26 |
| | | | Dip Angle (°) 67.27 |
| | | | Field Strength (nT) 52,679 |

| | | | |
|--------------------------|------------------------------|-------------------|---------------------------|
| Design | Design #1 | | |
| Audit Notes: | | | |
| Version: | Phase: | PROTOTYPE | Tie On Depth: 0.00 |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) |
| | 0.00 | 0.00 | 0.00 |
| | | | Direction (°) 0.98 |

| | | | |
|----------------------------|-----------------------|--------------------------|-----------------------------------|
| Survey Tool Program | Date 3/31/2017 | | |
| From (ft) | To (ft) | Survey (Wellbore) | Tool Name |
| 0.00 | 18,937.19 | Design #1 (Wellbore #1) | MWD |
| | | | Description MWD - Standard |

| | | | | | | | | | |
|----------------------------|------------------------|--------------------|----------------------------|-------------------|-------------------|------------------------------|--------------------------------|-------------------------------|------------------------------|
| Planned Survey | | | | | | | | | |
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | 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 |
| 300.00 | 0.00 | 0.00 | 300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 400.00 | 0.00 | 0.00 | 400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 500.00 | 0.00 | 0.00 | 500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 600.00 | 0.00 | 0.00 | 600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 700.00 | 0.00 | 0.00 | 700.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 800.00 | 0.00 | 0.00 | 800.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 900.00 | 0.00 | 0.00 | 900.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Integrity Directional Services, LLC

Survey Report



| | | | |
|------------------|--------------------------|-------------------------------------|----------------------------|
| Company: | Longs Peak Resources | Local Co-ordinate Reference: | Well Dorada East 1411-12CH |
| Project: | Weld County, Co (NAD 83) | TVD Reference: | KB=25' @ 5695.00ft |
| Site: | Dorada East Pad | MD Reference: | KB=25' @ 5695.00ft |
| Well: | Dorada East 1411-12CH | North Reference: | Grid |
| Wellbore: | Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Design #1 | Database: | EDM 5000.1 Multi User Db |

Planned Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|
| 1,000.00 | 0.00 | 0.00 | 1,000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,100.00 | 0.00 | 0.00 | 1,100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,200.00 | 0.00 | 0.00 | 1,200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,300.00 | 0.00 | 0.00 | 1,300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,400.00 | 0.00 | 0.00 | 1,400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,500.00 | 0.00 | 0.00 | 1,500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,600.00 | 0.00 | 0.00 | 1,600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,700.00 | 0.00 | 0.00 | 1,700.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 0.00 | 0.00 | 1,800.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 0.00 | 0.00 | 1,900.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 0.00 | 0.00 | 2,000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 0.00 | 0.00 | 2,100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 0.00 | 0.00 | 2,200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 0.00 | 0.00 | 2,300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 0.00 | 0.00 | 2,400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 0.00 | 0.00 | 2,500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 0.00 | 0.00 | 2,600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 2.00 | 160.26 | 2,699.98 | -1.64 | 0.59 | -1.63 | 2.00 | 2.00 | 0.00 |
| 2,800.00 | 4.00 | 160.26 | 2,799.84 | -6.57 | 2.36 | -6.53 | 2.00 | 2.00 | 0.00 |
| 2,900.00 | 6.00 | 160.26 | 2,899.45 | -14.77 | 5.30 | -14.68 | 2.00 | 2.00 | 0.00 |
| 2,903.77 | 6.08 | 160.26 | 2,903.20 | -15.15 | 5.43 | -15.05 | 2.00 | 2.00 | 0.00 |
| 3,000.00 | 6.08 | 160.26 | 2,998.89 | -24.73 | 8.87 | -24.58 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 6.08 | 160.26 | 3,098.33 | -34.69 | 12.45 | -34.47 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 6.08 | 160.26 | 3,197.77 | -44.66 | 16.02 | -44.37 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 6.08 | 160.26 | 3,297.21 | -54.62 | 19.59 | -54.27 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 6.08 | 160.26 | 3,396.64 | -64.58 | 23.17 | -64.17 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 6.08 | 160.26 | 3,496.08 | -74.54 | 26.74 | -74.07 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 6.08 | 160.26 | 3,595.52 | -84.50 | 30.32 | -83.97 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 6.08 | 160.26 | 3,694.96 | -94.47 | 33.89 | -93.87 | 0.00 | 0.00 | 0.00 |
| 3,800.00 | 6.08 | 160.26 | 3,794.40 | -104.43 | 37.46 | -103.77 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 6.08 | 160.26 | 3,893.84 | -114.39 | 41.04 | -113.67 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 6.08 | 160.26 | 3,993.27 | -124.35 | 44.61 | -123.57 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 6.08 | 160.26 | 4,092.71 | -134.31 | 48.19 | -133.47 | 0.00 | 0.00 | 0.00 |
| 4,200.00 | 6.08 | 160.26 | 4,192.15 | -144.28 | 51.76 | -143.37 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 6.08 | 160.26 | 4,291.59 | -154.24 | 55.33 | -153.27 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 6.08 | 160.26 | 4,391.03 | -164.20 | 58.91 | -163.16 | 0.00 | 0.00 | 0.00 |
| 4,500.00 | 6.08 | 160.26 | 4,490.47 | -174.16 | 62.48 | -173.06 | 0.00 | 0.00 | 0.00 |
| 4,600.00 | 6.08 | 160.26 | 4,589.90 | -184.13 | 66.06 | -182.96 | 0.00 | 0.00 | 0.00 |
| 4,700.00 | 6.08 | 160.26 | 4,689.34 | -194.09 | 69.63 | -192.86 | 0.00 | 0.00 | 0.00 |
| 4,800.00 | 6.08 | 160.26 | 4,788.78 | -204.05 | 73.20 | -202.76 | 0.00 | 0.00 | 0.00 |
| 4,900.00 | 6.08 | 160.26 | 4,888.22 | -214.01 | 76.78 | -212.66 | 0.00 | 0.00 | 0.00 |
| 5,000.00 | 6.08 | 160.26 | 4,987.66 | -223.97 | 80.35 | -222.56 | 0.00 | 0.00 | 0.00 |
| 5,100.00 | 6.08 | 160.26 | 5,087.10 | -233.94 | 83.93 | -232.46 | 0.00 | 0.00 | 0.00 |
| 5,200.00 | 6.08 | 160.26 | 5,186.53 | -243.90 | 87.50 | -242.36 | 0.00 | 0.00 | 0.00 |

Integrity Directional Services, LLC

Survey Report



| | | | |
|------------------|--------------------------|-------------------------------------|----------------------------|
| Company: | Longs Peak Resources | Local Co-ordinate Reference: | Well Dorada East 1411-12CH |
| Project: | Weld County, Co (NAD 83) | TVD Reference: | KB=25' @ 5695.00ft |
| Site: | Dorada East Pad | MD Reference: | KB=25' @ 5695.00ft |
| Well: | Dorada East 1411-12CH | North Reference: | Grid |
| Wellbore: | Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Design #1 | Database: | EDM 5000.1 Multi User Db |

Planned Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|
| 5,300.00 | 6.08 | 160.26 | 5,285.97 | -253.86 | 91.07 | -252.26 | 0.00 | 0.00 | 0.00 |
| 5,400.00 | 6.08 | 160.26 | 5,385.41 | -263.82 | 94.65 | -262.16 | 0.00 | 0.00 | 0.00 |
| 5,500.00 | 6.08 | 160.26 | 5,484.85 | -273.78 | 98.22 | -272.06 | 0.00 | 0.00 | 0.00 |
| 5,600.00 | 6.08 | 160.26 | 5,584.29 | -283.75 | 101.80 | -281.96 | 0.00 | 0.00 | 0.00 |
| 5,700.00 | 6.08 | 160.26 | 5,683.73 | -293.71 | 105.37 | -291.86 | 0.00 | 0.00 | 0.00 |
| 5,800.00 | 6.08 | 160.26 | 5,783.16 | -303.67 | 108.94 | -301.75 | 0.00 | 0.00 | 0.00 |
| 5,900.00 | 6.08 | 160.26 | 5,882.60 | -313.63 | 112.52 | -311.65 | 0.00 | 0.00 | 0.00 |
| 6,000.00 | 6.08 | 160.26 | 5,982.04 | -323.59 | 116.09 | -321.55 | 0.00 | 0.00 | 0.00 |
| 6,100.00 | 6.08 | 160.26 | 6,081.48 | -333.56 | 119.67 | -331.45 | 0.00 | 0.00 | 0.00 |
| 6,200.00 | 6.08 | 160.26 | 6,180.92 | -343.52 | 123.24 | -341.35 | 0.00 | 0.00 | 0.00 |
| 6,300.00 | 6.08 | 160.26 | 6,280.36 | -353.48 | 126.81 | -351.25 | 0.00 | 0.00 | 0.00 |
| 6,400.00 | 6.08 | 160.26 | 6,379.79 | -363.44 | 130.39 | -361.15 | 0.00 | 0.00 | 0.00 |
| 6,500.00 | 6.08 | 160.26 | 6,479.23 | -373.41 | 133.96 | -371.05 | 0.00 | 0.00 | 0.00 |
| 6,600.00 | 6.08 | 160.26 | 6,578.67 | -383.37 | 137.54 | -380.95 | 0.00 | 0.00 | 0.00 |
| 6,700.00 | 6.08 | 160.26 | 6,678.11 | -393.33 | 141.11 | -390.85 | 0.00 | 0.00 | 0.00 |
| 6,800.00 | 6.08 | 160.26 | 6,777.55 | -403.29 | 144.68 | -400.75 | 0.00 | 0.00 | 0.00 |
| 6,900.00 | 6.08 | 160.26 | 6,876.99 | -413.25 | 148.26 | -410.65 | 0.00 | 0.00 | 0.00 |
| 7,000.00 | 6.08 | 160.26 | 6,976.42 | -423.22 | 151.83 | -420.55 | 0.00 | 0.00 | 0.00 |
| 7,100.00 | 6.08 | 160.26 | 7,075.86 | -433.18 | 155.41 | -430.44 | 0.00 | 0.00 | 0.00 |
| 7,200.00 | 6.08 | 160.26 | 7,175.30 | -443.14 | 158.98 | -440.34 | 0.00 | 0.00 | 0.00 |
| 7,300.00 | 6.08 | 160.26 | 7,274.74 | -453.10 | 162.55 | -450.24 | 0.00 | 0.00 | 0.00 |
| 7,400.00 | 6.08 | 160.26 | 7,374.18 | -463.06 | 166.13 | -460.14 | 0.00 | 0.00 | 0.00 |
| 7,500.00 | 6.08 | 160.26 | 7,473.62 | -473.03 | 169.70 | -470.04 | 0.00 | 0.00 | 0.00 |
| 7,600.00 | 6.08 | 160.26 | 7,573.05 | -482.99 | 173.28 | -479.94 | 0.00 | 0.00 | 0.00 |
| 7,700.00 | 6.08 | 160.26 | 7,672.49 | -492.95 | 176.85 | -489.84 | 0.00 | 0.00 | 0.00 |
| 7,800.00 | 6.08 | 160.26 | 7,771.93 | -502.91 | 180.42 | -499.74 | 0.00 | 0.00 | 0.00 |
| 7,900.00 | 6.08 | 160.26 | 7,871.37 | -512.88 | 184.00 | -509.64 | 0.00 | 0.00 | 0.00 |
| 8,000.00 | 6.08 | 160.26 | 7,970.81 | -522.84 | 187.57 | -519.54 | 0.00 | 0.00 | 0.00 |
| 8,054.78 | 6.08 | 160.26 | 8,025.28 | -528.29 | 189.53 | -524.96 | 0.00 | 0.00 | 0.00 |
| 8,100.00 | 2.37 | 120.37 | 8,070.38 | -531.02 | 191.14 | -527.66 | 10.00 | -8.21 | -88.22 |
| 8,200.00 | 9.03 | 12.71 | 8,169.97 | -524.39 | 194.66 | -520.97 | 10.00 | 6.66 | -107.66 |
| 8,300.00 | 18.90 | 5.74 | 8,266.90 | -500.56 | 198.01 | -497.09 | 10.00 | 9.88 | -6.97 |
| 8,400.00 | 28.86 | 3.48 | 8,358.22 | -460.25 | 201.10 | -456.73 | 10.00 | 9.96 | -2.26 |
| 8,500.00 | 38.84 | 2.31 | 8,441.17 | -404.69 | 203.84 | -401.13 | 10.00 | 9.98 | -1.17 |
| 8,600.00 | 48.83 | 1.56 | 8,513.21 | -335.56 | 206.13 | -331.97 | 10.00 | 9.99 | -0.75 |
| 8,700.00 | 58.82 | 1.01 | 8,572.16 | -254.96 | 207.91 | -251.35 | 10.00 | 9.99 | -0.55 |
| 8,800.00 | 68.81 | 0.57 | 8,616.24 | -165.34 | 209.13 | -161.73 | 10.00 | 9.99 | -0.44 |
| 8,900.00 | 78.80 | 0.18 | 8,644.09 | -69.44 | 209.75 | -65.82 | 10.00 | 9.99 | -0.39 |
| 9,000.00 | 88.80 | 359.82 | 8,654.87 | 29.85 | 209.75 | 33.45 | 10.00 | 9.99 | -0.36 |
| 9,012.04 | 90.00 | 359.78 | 8,655.00 | 41.89 | 209.71 | 45.48 | 10.00 | 9.99 | -0.36 |
| 9,100.00 | 90.00 | 359.78 | 8,655.00 | 129.85 | 209.37 | 133.43 | 0.00 | 0.00 | 0.00 |
| 9,200.00 | 90.00 | 359.78 | 8,655.00 | 229.85 | 208.98 | 233.41 | 0.00 | 0.00 | 0.00 |
| 9,300.00 | 90.00 | 359.78 | 8,655.00 | 329.85 | 208.59 | 333.38 | 0.00 | 0.00 | 0.00 |

Integrity Directional Services, LLC

Survey Report



| | | | |
|------------------|--------------------------|-------------------------------------|----------------------------|
| Company: | Longs Peak Resources | Local Co-ordinate Reference: | Well Dorada East 1411-12CH |
| Project: | Weld County, Co (NAD 83) | TVD Reference: | KB=25' @ 5695.00ft |
| Site: | Dorada East Pad | MD Reference: | KB=25' @ 5695.00ft |
| Well: | Dorada East 1411-12CH | North Reference: | Grid |
| Wellbore: | Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Design #1 | Database: | EDM 5000.1 Multi User Db |

Planned Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|
| 9,400.00 | 90.00 | 359.78 | 8,655.00 | 429.85 | 208.21 | 433.36 | 0.00 | 0.00 | 0.00 |
| 9,500.00 | 90.00 | 359.78 | 8,655.00 | 529.85 | 207.82 | 533.34 | 0.00 | 0.00 | 0.00 |
| 9,600.00 | 90.00 | 359.78 | 8,655.00 | 629.85 | 207.43 | 633.32 | 0.00 | 0.00 | 0.00 |
| 9,700.00 | 90.00 | 359.78 | 8,655.00 | 729.85 | 207.04 | 733.30 | 0.00 | 0.00 | 0.00 |
| 9,800.00 | 90.00 | 359.78 | 8,655.00 | 829.85 | 206.65 | 833.27 | 0.00 | 0.00 | 0.00 |
| 9,900.00 | 90.00 | 359.78 | 8,655.00 | 929.85 | 206.27 | 933.25 | 0.00 | 0.00 | 0.00 |
| 10,000.00 | 90.00 | 359.78 | 8,655.00 | 1,029.85 | 205.88 | 1,033.23 | 0.00 | 0.00 | 0.00 |
| 10,100.00 | 90.00 | 359.78 | 8,655.00 | 1,129.84 | 205.49 | 1,133.21 | 0.00 | 0.00 | 0.00 |
| 10,200.00 | 90.00 | 359.78 | 8,655.00 | 1,229.84 | 205.10 | 1,233.19 | 0.00 | 0.00 | 0.00 |
| 10,300.00 | 90.00 | 359.78 | 8,655.00 | 1,329.84 | 204.72 | 1,333.16 | 0.00 | 0.00 | 0.00 |
| 10,400.00 | 90.00 | 359.78 | 8,655.00 | 1,429.84 | 204.33 | 1,433.14 | 0.00 | 0.00 | 0.00 |
| 10,500.00 | 90.00 | 359.78 | 8,655.00 | 1,529.84 | 203.94 | 1,533.12 | 0.00 | 0.00 | 0.00 |
| 10,600.00 | 90.00 | 359.78 | 8,655.00 | 1,629.84 | 203.55 | 1,633.10 | 0.00 | 0.00 | 0.00 |
| 10,700.00 | 90.00 | 359.78 | 8,655.00 | 1,729.84 | 203.17 | 1,733.07 | 0.00 | 0.00 | 0.00 |
| 10,800.00 | 90.00 | 359.78 | 8,655.00 | 1,829.84 | 202.78 | 1,833.05 | 0.00 | 0.00 | 0.00 |
| 10,900.00 | 90.00 | 359.78 | 8,655.00 | 1,929.84 | 202.39 | 1,933.03 | 0.00 | 0.00 | 0.00 |
| 11,000.00 | 90.00 | 359.78 | 8,655.00 | 2,029.84 | 202.00 | 2,033.01 | 0.00 | 0.00 | 0.00 |
| 11,100.00 | 90.00 | 359.78 | 8,655.00 | 2,129.84 | 201.61 | 2,132.99 | 0.00 | 0.00 | 0.00 |
| 11,200.00 | 90.00 | 359.78 | 8,655.00 | 2,229.84 | 201.23 | 2,232.96 | 0.00 | 0.00 | 0.00 |
| 11,300.00 | 90.00 | 359.78 | 8,655.00 | 2,329.84 | 200.84 | 2,332.94 | 0.00 | 0.00 | 0.00 |
| 11,400.00 | 90.00 | 359.78 | 8,655.00 | 2,429.83 | 200.45 | 2,432.92 | 0.00 | 0.00 | 0.00 |
| 11,500.00 | 90.00 | 359.78 | 8,655.00 | 2,529.83 | 200.06 | 2,532.90 | 0.00 | 0.00 | 0.00 |
| 11,600.00 | 90.00 | 359.78 | 8,655.00 | 2,629.83 | 199.68 | 2,632.88 | 0.00 | 0.00 | 0.00 |
| 11,700.00 | 90.00 | 359.78 | 8,655.00 | 2,729.83 | 199.29 | 2,732.85 | 0.00 | 0.00 | 0.00 |
| 11,800.00 | 90.00 | 359.78 | 8,655.00 | 2,829.83 | 198.90 | 2,832.83 | 0.00 | 0.00 | 0.00 |
| 11,900.00 | 90.00 | 359.78 | 8,655.00 | 2,929.83 | 198.51 | 2,932.81 | 0.00 | 0.00 | 0.00 |
| 12,000.00 | 90.00 | 359.78 | 8,655.00 | 3,029.83 | 198.13 | 3,032.79 | 0.00 | 0.00 | 0.00 |
| 12,100.00 | 90.00 | 359.78 | 8,655.00 | 3,129.83 | 197.74 | 3,132.76 | 0.00 | 0.00 | 0.00 |
| 12,200.00 | 90.00 | 359.78 | 8,655.00 | 3,229.83 | 197.35 | 3,232.74 | 0.00 | 0.00 | 0.00 |
| 12,300.00 | 90.00 | 359.78 | 8,655.00 | 3,329.83 | 196.96 | 3,332.72 | 0.00 | 0.00 | 0.00 |
| 12,400.00 | 90.00 | 359.78 | 8,655.00 | 3,429.83 | 196.57 | 3,432.70 | 0.00 | 0.00 | 0.00 |
| 12,500.00 | 90.00 | 359.78 | 8,655.00 | 3,529.83 | 196.19 | 3,532.68 | 0.00 | 0.00 | 0.00 |
| 12,600.00 | 90.00 | 359.78 | 8,655.00 | 3,629.83 | 195.80 | 3,632.65 | 0.00 | 0.00 | 0.00 |
| 12,700.00 | 90.00 | 359.78 | 8,655.00 | 3,729.82 | 195.41 | 3,732.63 | 0.00 | 0.00 | 0.00 |
| 12,800.00 | 90.00 | 359.78 | 8,655.00 | 3,829.82 | 195.02 | 3,832.61 | 0.00 | 0.00 | 0.00 |
| 12,900.00 | 90.00 | 359.78 | 8,655.00 | 3,929.82 | 194.64 | 3,932.59 | 0.00 | 0.00 | 0.00 |
| 13,000.00 | 90.00 | 359.78 | 8,655.00 | 4,029.82 | 194.25 | 4,032.56 | 0.00 | 0.00 | 0.00 |
| 13,100.00 | 90.00 | 359.78 | 8,655.00 | 4,129.82 | 193.86 | 4,132.54 | 0.00 | 0.00 | 0.00 |
| 13,200.00 | 90.00 | 359.78 | 8,655.00 | 4,229.82 | 193.47 | 4,232.52 | 0.00 | 0.00 | 0.00 |
| 13,300.00 | 90.00 | 359.78 | 8,655.00 | 4,329.82 | 193.09 | 4,332.50 | 0.00 | 0.00 | 0.00 |
| 13,400.00 | 90.00 | 359.78 | 8,655.00 | 4,429.82 | 192.70 | 4,432.48 | 0.00 | 0.00 | 0.00 |
| 13,500.00 | 90.00 | 359.78 | 8,655.00 | 4,529.82 | 192.31 | 4,532.45 | 0.00 | 0.00 | 0.00 |
| 13,600.00 | 90.00 | 359.78 | 8,655.00 | 4,629.82 | 191.92 | 4,632.43 | 0.00 | 0.00 | 0.00 |

Integrity Directional Services, LLC

Survey Report



| | | | |
|------------------|--------------------------|-------------------------------------|----------------------------|
| Company: | Longs Peak Resources | Local Co-ordinate Reference: | Well Dorada East 1411-12CH |
| Project: | Weld County, Co (NAD 83) | TVD Reference: | KB=25' @ 5695.00ft |
| Site: | Dorada East Pad | MD Reference: | KB=25' @ 5695.00ft |
| Well: | Dorada East 1411-12CH | North Reference: | Grid |
| Wellbore: | Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Design #1 | Database: | EDM 5000.1 Multi User Db |

Planned Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|
| 13,700.00 | 90.00 | 359.78 | 8,655.00 | 4,729.82 | 191.53 | 4,732.41 | 0.00 | 0.00 | 0.00 |
| 13,800.00 | 90.00 | 359.78 | 8,655.00 | 4,829.82 | 191.15 | 4,832.39 | 0.00 | 0.00 | 0.00 |
| 13,900.00 | 90.00 | 359.78 | 8,655.00 | 4,929.82 | 190.76 | 4,932.37 | 0.00 | 0.00 | 0.00 |
| 14,000.00 | 90.00 | 359.78 | 8,655.00 | 5,029.82 | 190.37 | 5,032.34 | 0.00 | 0.00 | 0.00 |
| 14,100.00 | 90.00 | 359.78 | 8,655.00 | 5,129.81 | 189.98 | 5,132.32 | 0.00 | 0.00 | 0.00 |
| 14,200.00 | 90.00 | 359.78 | 8,655.00 | 5,229.81 | 189.60 | 5,232.30 | 0.00 | 0.00 | 0.00 |
| 14,300.00 | 90.00 | 359.78 | 8,655.00 | 5,329.81 | 189.21 | 5,332.28 | 0.00 | 0.00 | 0.00 |
| 14,400.00 | 90.00 | 359.78 | 8,655.00 | 5,429.81 | 188.82 | 5,432.25 | 0.00 | 0.00 | 0.00 |
| 14,500.00 | 90.00 | 359.78 | 8,655.00 | 5,529.81 | 188.43 | 5,532.23 | 0.00 | 0.00 | 0.00 |
| 14,600.00 | 90.00 | 359.78 | 8,655.00 | 5,629.81 | 188.05 | 5,632.21 | 0.00 | 0.00 | 0.00 |
| 14,700.00 | 90.00 | 359.78 | 8,655.00 | 5,729.81 | 187.66 | 5,732.19 | 0.00 | 0.00 | 0.00 |
| 14,800.00 | 90.00 | 359.78 | 8,655.00 | 5,829.81 | 187.27 | 5,832.17 | 0.00 | 0.00 | 0.00 |
| 14,900.00 | 90.00 | 359.78 | 8,655.00 | 5,929.81 | 186.88 | 5,932.14 | 0.00 | 0.00 | 0.00 |
| 15,000.00 | 90.00 | 359.78 | 8,655.00 | 6,029.81 | 186.49 | 6,032.12 | 0.00 | 0.00 | 0.00 |
| 15,100.00 | 90.00 | 359.78 | 8,655.00 | 6,129.81 | 186.11 | 6,132.10 | 0.00 | 0.00 | 0.00 |
| 15,200.00 | 90.00 | 359.78 | 8,655.00 | 6,229.81 | 185.72 | 6,232.08 | 0.00 | 0.00 | 0.00 |
| 15,300.00 | 90.00 | 359.78 | 8,655.00 | 6,329.81 | 185.33 | 6,332.06 | 0.00 | 0.00 | 0.00 |
| 15,400.00 | 90.00 | 359.78 | 8,655.00 | 6,429.80 | 184.94 | 6,432.03 | 0.00 | 0.00 | 0.00 |
| 15,500.00 | 90.00 | 359.78 | 8,655.00 | 6,529.80 | 184.56 | 6,532.01 | 0.00 | 0.00 | 0.00 |
| 15,600.00 | 90.00 | 359.78 | 8,655.00 | 6,629.80 | 184.17 | 6,631.99 | 0.00 | 0.00 | 0.00 |
| 15,700.00 | 90.00 | 359.78 | 8,655.00 | 6,729.80 | 183.78 | 6,731.97 | 0.00 | 0.00 | 0.00 |
| 15,800.00 | 90.00 | 359.78 | 8,655.00 | 6,829.80 | 183.39 | 6,831.94 | 0.00 | 0.00 | 0.00 |
| 15,900.00 | 90.00 | 359.78 | 8,655.00 | 6,929.80 | 183.01 | 6,931.92 | 0.00 | 0.00 | 0.00 |
| 16,000.00 | 90.00 | 359.78 | 8,655.00 | 7,029.80 | 182.62 | 7,031.90 | 0.00 | 0.00 | 0.00 |
| 16,100.00 | 90.00 | 359.78 | 8,655.00 | 7,129.80 | 182.23 | 7,131.88 | 0.00 | 0.00 | 0.00 |
| 16,200.00 | 90.00 | 359.78 | 8,655.00 | 7,229.80 | 181.84 | 7,231.86 | 0.00 | 0.00 | 0.00 |
| 16,300.00 | 90.00 | 359.78 | 8,655.00 | 7,329.80 | 181.46 | 7,331.83 | 0.00 | 0.00 | 0.00 |
| 16,400.00 | 90.00 | 359.78 | 8,655.00 | 7,429.80 | 181.07 | 7,431.81 | 0.00 | 0.00 | 0.00 |
| 16,500.00 | 90.00 | 359.78 | 8,655.00 | 7,529.80 | 180.68 | 7,531.79 | 0.00 | 0.00 | 0.00 |
| 16,600.00 | 90.00 | 359.78 | 8,655.00 | 7,629.80 | 180.29 | 7,631.77 | 0.00 | 0.00 | 0.00 |
| 16,700.00 | 90.00 | 359.78 | 8,655.00 | 7,729.79 | 179.90 | 7,731.74 | 0.00 | 0.00 | 0.00 |
| 16,800.00 | 90.00 | 359.78 | 8,655.00 | 7,829.79 | 179.52 | 7,831.72 | 0.00 | 0.00 | 0.00 |
| 16,900.00 | 90.00 | 359.78 | 8,655.00 | 7,929.79 | 179.13 | 7,931.70 | 0.00 | 0.00 | 0.00 |
| 17,000.00 | 90.00 | 359.78 | 8,655.00 | 8,029.79 | 178.74 | 8,031.68 | 0.00 | 0.00 | 0.00 |
| 17,100.00 | 90.00 | 359.78 | 8,655.00 | 8,129.79 | 178.35 | 8,131.66 | 0.00 | 0.00 | 0.00 |
| 17,200.00 | 90.00 | 359.78 | 8,655.00 | 8,229.79 | 177.97 | 8,231.63 | 0.00 | 0.00 | 0.00 |
| 17,300.00 | 90.00 | 359.78 | 8,655.00 | 8,329.79 | 177.58 | 8,331.61 | 0.00 | 0.00 | 0.00 |
| 17,400.00 | 90.00 | 359.78 | 8,655.00 | 8,429.79 | 177.19 | 8,431.59 | 0.00 | 0.00 | 0.00 |
| 17,500.00 | 90.00 | 359.78 | 8,655.00 | 8,529.79 | 176.80 | 8,531.57 | 0.00 | 0.00 | 0.00 |
| 17,600.00 | 90.00 | 359.78 | 8,655.00 | 8,629.79 | 176.42 | 8,631.55 | 0.00 | 0.00 | 0.00 |
| 17,700.00 | 90.00 | 359.78 | 8,655.00 | 8,729.79 | 176.03 | 8,731.52 | 0.00 | 0.00 | 0.00 |
| 17,800.00 | 90.00 | 359.78 | 8,655.00 | 8,829.79 | 175.64 | 8,831.50 | 0.00 | 0.00 | 0.00 |
| 17,900.00 | 90.00 | 359.78 | 8,655.00 | 8,929.79 | 175.25 | 8,931.48 | 0.00 | 0.00 | 0.00 |
| 18,000.00 | 90.00 | 359.78 | 8,655.00 | 9,029.79 | 174.86 | 9,031.46 | 0.00 | 0.00 | 0.00 |

Integrity Directional Services, LLC

Survey Report



| | | | |
|------------------|--------------------------|-------------------------------------|----------------------------|
| Company: | Longs Peak Resources | Local Co-ordinate Reference: | Well Dorada East 1411-12CH |
| Project: | Weld County, Co (NAD 83) | TVD Reference: | KB=25' @ 5695.00ft |
| Site: | Dorada East Pad | MD Reference: | KB=25' @ 5695.00ft |
| Well: | Dorada East 1411-12CH | North Reference: | Grid |
| Wellbore: | Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Design #1 | Database: | EDM 5000.1 Multi User Db |

Planned Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|
| 18,100.00 | 90.00 | 359.78 | 8,655.00 | 9,129.78 | 174.48 | 9,131.43 | 0.00 | 0.00 | 0.00 |
| 18,200.00 | 90.00 | 359.78 | 8,655.00 | 9,229.78 | 174.09 | 9,231.41 | 0.00 | 0.00 | 0.00 |
| 18,300.00 | 90.00 | 359.78 | 8,655.00 | 9,329.78 | 173.70 | 9,331.39 | 0.00 | 0.00 | 0.00 |
| 18,400.00 | 90.00 | 359.78 | 8,655.00 | 9,429.78 | 173.31 | 9,431.37 | 0.00 | 0.00 | 0.00 |
| 18,500.00 | 90.00 | 359.78 | 8,655.00 | 9,529.78 | 172.93 | 9,531.35 | 0.00 | 0.00 | 0.00 |
| 18,600.00 | 90.00 | 359.78 | 8,655.00 | 9,629.78 | 172.54 | 9,631.32 | 0.00 | 0.00 | 0.00 |
| 18,700.00 | 90.00 | 359.78 | 8,655.00 | 9,729.78 | 172.15 | 9,731.30 | 0.00 | 0.00 | 0.00 |
| 18,800.00 | 90.00 | 359.78 | 8,655.00 | 9,829.78 | 171.76 | 9,831.28 | 0.00 | 0.00 | 0.00 |
| 18,900.00 | 90.00 | 359.78 | 8,655.00 | 9,929.78 | 171.38 | 9,931.26 | 0.00 | 0.00 | 0.00 |
| 18,937.19 | 90.00 | 359.78 | 8,655.00 | 9,966.96 | 171.23 | 9,968.43 | 0.00 | 0.00 | 0.00 |

Design Targets

| Target Name | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
|---------------------------|---------------|--------------|----------|------------|------------|-----------------|----------------|------------------|-------------------|
| - hit/miss target | | | | | | | | | |
| - Shape | | | | | | | | | |
| 1411-12CH HEEL (24 | 0.00 | 0.00 | 8,070.38 | -531.02 | 191.14 | 1,576,357.799 | 3,210,982.542 | 40° 54' 46.721 N | 104° 44' 12.030 W |
| - plan hits target center | | | | | | | | | |
| - Point | | | | | | | | | |
| 1411-12CH LP (330' F | 0.00 | 0.00 | 8,655.00 | 41.89 | 209.71 | 1,576,930.707 | 3,211,001.1066 | 40° 54' 52.380 N | 104° 44' 11.724 W |
| - plan hits target center | | | | | | | | | |
| - Point | | | | | | | | | |
| 1411-12CH BHL (330 | 0.00 | 0.00 | 8,655.00 | 9,966.96 | 171.23 | 1,586,855.761 | 3,210,962.628 | 40° 56' 30.444 N | 104° 44' 11.112 W |
| - plan hits target center | | | | | | | | | |
| - Point | | | | | | | | | |

Checked By: _____ Approved By: _____ Date: _____