



Weld County, Colorado
Section 33-T01N-R65W
Walla 5-4-2L
plan1

Azimuth Corrections:

To convert a Magnetic Direction to a True Direction, Add 8.28° East

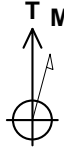
| | | | |
|--|------------|-------------|---------------|
| Walla 5-4-2L | | | |
| Surf loc: 810 FSL 300 FWL Sec33-T01N-R65W | | | |
| NAD83 Colorado - HARN | | | |
| Universal Transverse Mercator (US Survey Feet) | | | |
| Zone 13N (108 W to 102 W) | | | |
| RKB=5075+25 @ 5100.00ft | | | |
| Northing | Easting | Latitude | Longitude |
| 14527901.11 | 1730772.97 | 40.00275742 | -104.67734494 |

Section Details

| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | VSec | Annotation |
|-----|----------|-------|--------|---------|-----------|----------|-------|----------|---------------------------------|
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 5000.00 | 0.00 | 0.00 | 5000.00 | 0.00 | 0.00 | 0.00 | 0.00 | KOP Begin 10°/100' build |
| 3 | 5464.89 | 46.49 | 246.56 | 5415.54 | -70.99 | -163.76 | 10.00 | 100.06 | Begin 46.49° tangent section |
| 4 | 7759.27 | 46.49 | 246.56 | 6995.19 | -732.78 | -1690.48 | 0.00 | 1032.92 | Begin 10°/100' build/turn |
| 5 | 8490.64 | 89.98 | 180.12 | 7288.00 | -1280.40 | -1974.16 | 10.00 | 1623.58 | LP Begin 89.98° lateral section |
| 6 | 17795.10 | 89.98 | 180.12 | 7292.00 | -10584.85 | -1992.94 | 0.00 | 10770.83 | PBHL/TD 17795.10 MD/7292.00 TVD |

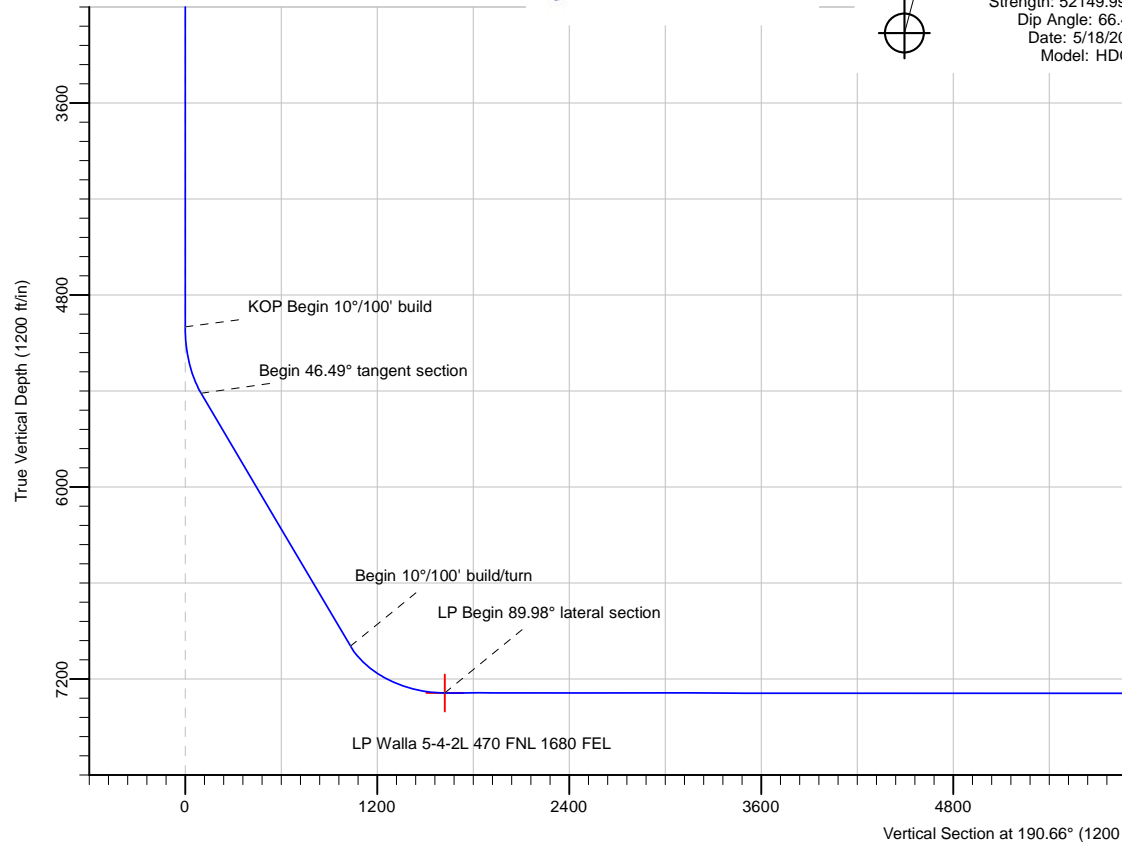
DESIGN TARGET DETAILS

| Name | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
|-----------------------------------|---------|-----------|----------|-------------|------------|-------------|---------------|
| LP Walla 5-4-2L 470 FNL 1680 FEL | 7288.00 | -1280.40 | -1974.16 | 14526613.57 | 1728803.46 | 39.99924101 | -104.68439408 |
| BHL Walla 5-4-2L 470 FSL 1680 FEL | 7292.00 | -10584.85 | -1992.94 | 14517309.14 | 1728818.37 | 39.97368943 | -104.68445842 |

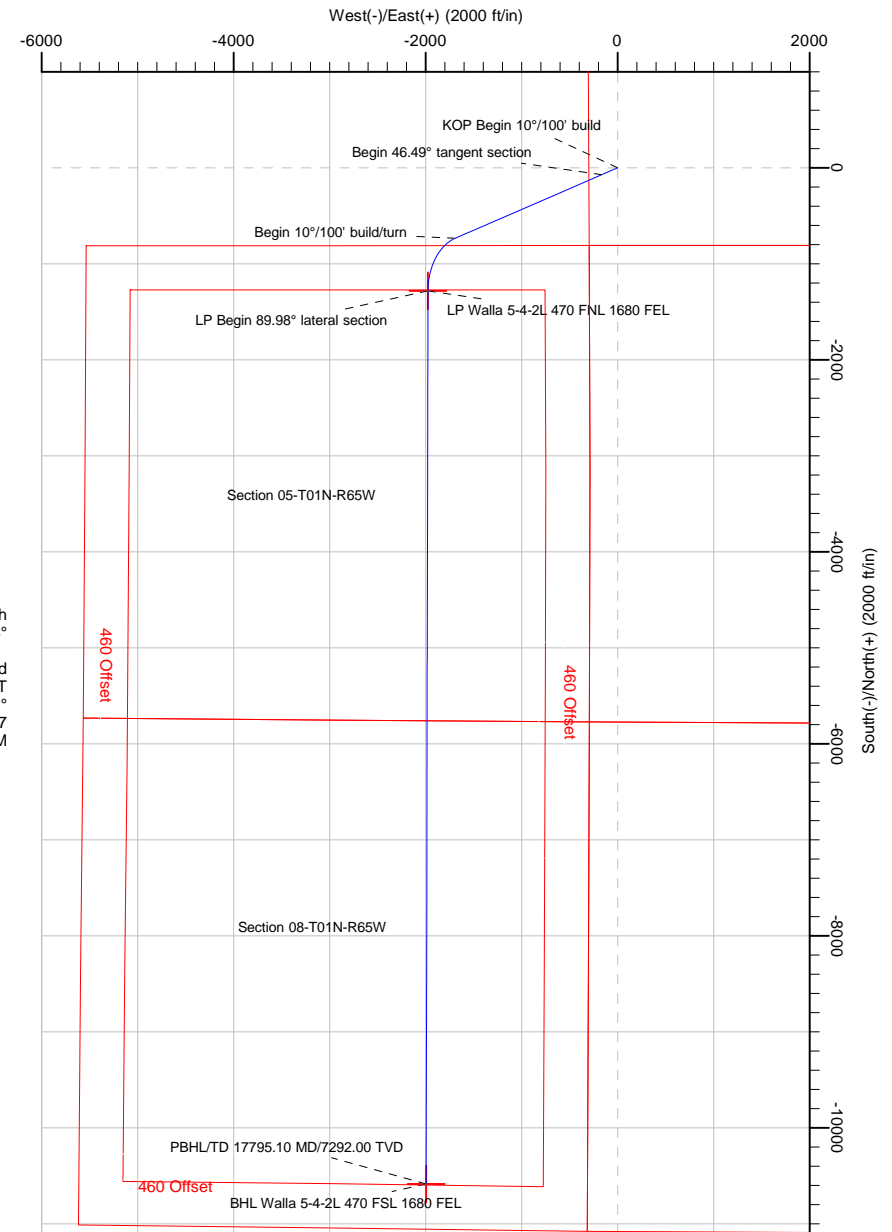


Azimuths to True North
Magnetic North: 8.28°

Magnetic Field
Strength: 52149.9snT
Dip Angle: 66.45°
Date: 5/18/2017
Model: HDGM



Date: 21:00, May 18 2017



Note: All lease lines and hard lines are estimates only and are subject to customers approval.

| | | | |
|------------------|-----------------------|-------------------------------------|-------------------------|
| Database: | DB_Jul2216dt_v14 | Local Co-ordinate Reference: | Well Walla 5-4-2L |
| Company: | Confluence Resources | TVD Reference: | RKB=5075+25 @ 5100.00ft |
| Project: | Weld County, Colorado | MD Reference: | RKB=5075+25 @ 5100.00ft |
| Site: | Section 33-T01N-R65W | North Reference: | True |
| Well: | Walla 5-4-2L | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Original Hole | | |
| Design: | plan1 | | |

| | | | |
|--------------------|--|----------------------|----------------|
| Project | Weld County, Colorado | | |
| Map System: | Universal Transverse Mercator (US Survey Feet) | System Datum: | Mean Sea Level |
| Geo Datum: | NAD83 Colorado - HARN | | |
| Map Zone: | Zone 13N (108 W to 102 W) | | |

| | | | | | |
|-----------------------|---------|----------------------|--------------------|-------------------|---------------|
| Site | | Section 33-T01N-R65W | | | |
| Site Position: | | Northing: | 14,527,751.12 usft | Latitude: | 40.00234552 |
| From: | Map | Easting: | 1,730,774.27 usft | Longitude: | -104.67734224 |
| Position Uncertainty: | 0.00 ft | Slot Radius: | 13-3/16 " | Grid Convergence: | 0.21 ° |

| | | | | | | |
|----------------------|---|-----------|---------------------|--------------------|---------------|---------------|
| Well | Walla 5-4-2L, Surf loc: 810 FSL 300 FWL Sec33-T01N-R65W | | | | | |
| Well Position | +N/-S | 149.99 ft | Northing: | 14,527,901.11 usft | Latitude: | 40.00275743 |
| | +E/-W | -0.76 ft | Easting: | 1,730,772.97 usft | Longitude: | -104.67734494 |
| Position Uncertainty | | 0.00 ft | Wellhead Elevation: | | Ground Level: | 5,075.00 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Original Hole | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | HDGM | 5/18/2017 | 8.28 | 66.45 | 52,149.90000000 |

| | | | | |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| Design | plan1 | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PLAN | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) |
| | 0.00 | 0.00 | 0.00 | 190.66 |

| | | | | |
|---------------------------------|----------------------|--------------------------|-----------------------|----------------|
| Plan Survey Tool Program | Date | 5/18/2017 | | |
| Depth From (ft) | Depth To (ft) | Survey (Wellbore) | Tool Name | Remarks |
| 1 | 0.00 | 17,795.10 | plan1 (Original Hole) | |

| | | | | | | | | | | |
|----------------------------|------------------------|--------------------|----------------------------|-------------------|-------------------|------------------------------|-----------------------------|----------------------------|----------------|-----------------------|
| Plan Sections | | | | | | | | | | |
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | TFO (°) | Target |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5,000.00 | 0.00 | 0.00 | 5,000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5,464.89 | 46.49 | 246.56 | 5,415.54 | -70.99 | -163.76 | 10.00 | 10.00 | 0.00 | 246.56 | |
| 7,759.27 | 46.49 | 246.56 | 6,995.19 | -732.78 | -1,690.48 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 8,490.64 | 89.98 | 180.12 | 7,288.00 | -1,280.40 | -1,974.16 | 10.00 | 5.95 | -9.09 | -73.31 | LP Walla 5-4-2L 470 F |
| 17,795.10 | 89.98 | 180.12 | 7,292.00 | -10,584.85 | -1,992.94 | 0.00 | 0.00 | 0.00 | 0.00 | BHL Walla 5-4-2L 470 |

| | | | |
|------------------|-----------------------|-------------------------------------|-------------------------|
| Database: | DB_Jul2216dt_v14 | Local Co-ordinate Reference: | Well Walla 5-4-2L |
| Company: | Confluence Resources | TVD Reference: | RKB=5075+25 @ 5100.00ft |
| Project: | Weld County, Colorado | MD Reference: | RKB=5075+25 @ 5100.00ft |
| Site: | Section 33-T01N-R65W | North Reference: | True |
| Well: | Walla 5-4-2L | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Original Hole | | |
| Design: | plan1 | | |

| Planned Survey | | | | | | | | | |
|--------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 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 |
| 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 |
| 2,500.01 | 0.00 | 0.00 | 2,500.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,600.01 | 0.00 | 0.00 | 2,600.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,700.01 | 0.00 | 0.00 | 2,700.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,800.01 | 0.00 | 0.00 | 2,800.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,900.01 | 0.00 | 0.00 | 2,900.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,000.01 | 0.00 | 0.00 | 3,000.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,100.01 | 0.00 | 0.00 | 3,100.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,200.01 | 0.00 | 0.00 | 3,200.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,300.01 | 0.00 | 0.00 | 3,300.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,400.01 | 0.00 | 0.00 | 3,400.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,500.01 | 0.00 | 0.00 | 3,500.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,600.01 | 0.00 | 0.00 | 3,600.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,700.01 | 0.00 | 0.00 | 3,700.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,800.01 | 0.00 | 0.00 | 3,800.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,900.01 | 0.00 | 0.00 | 3,900.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,000.01 | 0.00 | 0.00 | 4,000.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,100.01 | 0.00 | 0.00 | 4,100.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,200.01 | 0.00 | 0.00 | 4,200.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,300.01 | 0.00 | 0.00 | 4,300.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,400.01 | 0.00 | 0.00 | 4,400.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,500.01 | 0.00 | 0.00 | 4,500.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,600.01 | 0.00 | 0.00 | 4,600.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,700.01 | 0.00 | 0.00 | 4,700.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,800.01 | 0.00 | 0.00 | 4,800.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,900.01 | 0.00 | 0.00 | 4,900.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5,000.00 | 0.00 | 0.00 | 5,000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| KOP Begin 10°/100' build | | | | | | | | | |
| 5,000.01 | 0.00 | 246.56 | 5,000.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5,100.01 | 10.00 | 246.56 | 5,099.50 | -3.46 | -7.99 | 4.88 | 10.00 | 10.00 | 0.00 |

| | | | |
|------------------|-----------------------|-------------------------------------|-------------------------|
| Database: | DB_Jul2216dt_v14 | Local Co-ordinate Reference: | Well Walla 5-4-2L |
| Company: | Confluence Resources | TVD Reference: | RKB=5075+25 @ 5100.00ft |
| Project: | Weld County, Colorado | MD Reference: | RKB=5075+25 @ 5100.00ft |
| Site: | Section 33-T01N-R65W | North Reference: | True |
| Well: | Walla 5-4-2L | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Original Hole | | |
| Design: | plan1 | | |

| Planned Survey | | | | | | | | | |
|--|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 5,200.01 | 20.00 | 246.56 | 5,195.97 | -13.74 | -31.71 | 19.37 | 10.00 | 10.00 | 0.00 |
| 5,300.01 | 30.00 | 246.56 | 5,286.49 | -30.53 | -70.43 | 43.04 | 10.00 | 10.00 | 0.00 |
| 5,400.01 | 40.00 | 246.56 | 5,368.30 | -53.32 | -123.00 | 75.15 | 10.00 | 10.00 | 0.00 |
| 5,464.89 | 46.49 | 246.56 | 5,415.54 | -70.99 | -163.76 | 100.06 | 10.00 | 10.00 | 0.00 |
| Begin 46.49° tangent section | | | | | | | | | |
| 5,500.01 | 46.49 | 246.56 | 5,439.71 | -81.11 | -187.13 | 114.34 | 0.00 | 0.00 | 0.00 |
| 5,600.01 | 46.49 | 246.56 | 5,508.56 | -109.96 | -253.67 | 155.00 | 0.00 | 0.00 | 0.00 |
| 5,700.01 | 46.49 | 246.56 | 5,577.41 | -138.80 | -320.21 | 195.66 | 0.00 | 0.00 | 0.00 |
| 5,800.01 | 46.49 | 246.56 | 5,646.26 | -167.65 | -386.75 | 236.31 | 0.00 | 0.00 | 0.00 |
| 5,900.01 | 46.49 | 246.56 | 5,715.11 | -196.49 | -453.30 | 276.97 | 0.00 | 0.00 | 0.00 |
| 6,000.01 | 46.49 | 246.56 | 5,783.96 | -225.34 | -519.84 | 317.63 | 0.00 | 0.00 | 0.00 |
| 6,100.01 | 46.49 | 246.56 | 5,852.81 | -254.18 | -586.38 | 358.29 | 0.00 | 0.00 | 0.00 |
| 6,200.01 | 46.49 | 246.56 | 5,921.66 | -283.02 | -652.92 | 398.95 | 0.00 | 0.00 | 0.00 |
| 6,300.01 | 46.49 | 246.56 | 5,990.51 | -311.87 | -719.46 | 439.61 | 0.00 | 0.00 | 0.00 |
| 6,400.01 | 46.49 | 246.56 | 6,059.36 | -340.71 | -786.01 | 480.27 | 0.00 | 0.00 | 0.00 |
| 6,500.01 | 46.49 | 246.56 | 6,128.20 | -369.56 | -852.55 | 520.92 | 0.00 | 0.00 | 0.00 |
| 6,600.01 | 46.49 | 246.56 | 6,197.05 | -398.40 | -919.09 | 561.58 | 0.00 | 0.00 | 0.00 |
| 6,700.01 | 46.49 | 246.56 | 6,265.90 | -427.25 | -985.63 | 602.24 | 0.00 | 0.00 | 0.00 |
| 6,800.01 | 46.49 | 246.56 | 6,334.75 | -456.09 | -1,052.17 | 642.90 | 0.00 | 0.00 | 0.00 |
| 6,900.01 | 46.49 | 246.56 | 6,403.60 | -484.93 | -1,118.72 | 683.56 | 0.00 | 0.00 | 0.00 |
| 7,000.01 | 46.49 | 246.56 | 6,472.45 | -513.78 | -1,185.26 | 724.22 | 0.00 | 0.00 | 0.00 |
| 7,100.01 | 46.49 | 246.56 | 6,541.30 | -542.62 | -1,251.80 | 764.88 | 0.00 | 0.00 | 0.00 |
| 7,200.01 | 46.49 | 246.56 | 6,610.15 | -571.47 | -1,318.34 | 805.53 | 0.00 | 0.00 | 0.00 |
| 7,300.01 | 46.49 | 246.56 | 6,679.00 | -600.31 | -1,384.88 | 846.19 | 0.00 | 0.00 | 0.00 |
| 7,400.01 | 46.49 | 246.56 | 6,747.85 | -629.16 | -1,451.43 | 886.85 | 0.00 | 0.00 | 0.00 |
| 7,500.02 | 46.49 | 246.56 | 6,816.70 | -658.00 | -1,517.97 | 927.51 | 0.00 | 0.00 | 0.00 |
| 7,600.02 | 46.49 | 246.56 | 6,885.54 | -686.84 | -1,584.51 | 968.17 | 0.00 | 0.00 | 0.00 |
| 7,700.02 | 46.49 | 246.56 | 6,954.39 | -715.69 | -1,651.05 | 1,008.83 | 0.00 | 0.00 | 0.00 |
| 7,759.27 | 46.49 | 246.56 | 6,995.19 | -732.78 | -1,690.48 | 1,032.92 | 0.00 | 0.00 | 0.00 |
| Begin 10°/100' build/turn | | | | | | | | | |
| 7,800.02 | 47.78 | 241.29 | 7,022.92 | -745.91 | -1,717.28 | 1,050.78 | 10.00 | 3.17 | -12.94 |
| 7,900.02 | 51.89 | 229.35 | 7,087.54 | -789.44 | -1,779.77 | 1,105.12 | 10.00 | 4.11 | -11.95 |
| 8,000.02 | 57.07 | 218.82 | 7,145.73 | -847.92 | -1,836.06 | 1,173.00 | 10.00 | 5.18 | -10.53 |
| 8,100.02 | 63.02 | 209.54 | 7,195.72 | -919.56 | -1,884.46 | 1,252.37 | 10.00 | 5.96 | -9.28 |
| 8,200.02 | 69.52 | 201.23 | 7,235.99 | -1,002.21 | -1,923.48 | 1,340.81 | 10.00 | 6.50 | -8.31 |
| 8,300.02 | 76.39 | 193.62 | 7,265.32 | -1,093.33 | -1,951.96 | 1,435.62 | 10.00 | 6.86 | -7.61 |
| 8,400.02 | 83.47 | 186.44 | 7,282.82 | -1,190.17 | -1,969.01 | 1,533.95 | 10.00 | 7.08 | -7.18 |
| 8,490.64 | 89.98 | 180.12 | 7,288.00 | -1,280.40 | -1,974.16 | 1,623.58 | 10.00 | 7.18 | -6.98 |
| LP Begin 89.98° lateral section | | | | | | | | | |
| 8,500.02 | 89.98 | 180.12 | 7,288.00 | -1,289.78 | -1,974.18 | 1,632.79 | 0.00 | 0.00 | 0.00 |
| 8,600.02 | 89.98 | 180.12 | 7,288.05 | -1,389.78 | -1,974.38 | 1,731.10 | 0.00 | 0.00 | 0.00 |
| 8,700.02 | 89.98 | 180.12 | 7,288.09 | -1,489.78 | -1,974.58 | 1,829.41 | 0.00 | 0.00 | 0.00 |
| 8,800.02 | 89.98 | 180.12 | 7,288.13 | -1,589.78 | -1,974.79 | 1,927.73 | 0.00 | 0.00 | 0.00 |
| 8,900.02 | 89.98 | 180.12 | 7,288.18 | -1,689.78 | -1,974.99 | 2,026.04 | 0.00 | 0.00 | 0.00 |
| 9,000.02 | 89.98 | 180.12 | 7,288.22 | -1,789.78 | -1,975.19 | 2,124.35 | 0.00 | 0.00 | 0.00 |
| 9,100.02 | 89.98 | 180.12 | 7,288.26 | -1,889.78 | -1,975.39 | 2,222.66 | 0.00 | 0.00 | 0.00 |
| 9,200.02 | 89.98 | 180.12 | 7,288.31 | -1,989.78 | -1,975.59 | 2,320.97 | 0.00 | 0.00 | 0.00 |
| 9,300.02 | 89.98 | 180.12 | 7,288.35 | -2,089.78 | -1,975.80 | 2,419.28 | 0.00 | 0.00 | 0.00 |
| 9,400.02 | 89.98 | 180.12 | 7,288.39 | -2,189.78 | -1,976.00 | 2,517.59 | 0.00 | 0.00 | 0.00 |
| 9,500.02 | 89.98 | 180.12 | 7,288.43 | -2,289.78 | -1,976.20 | 2,615.90 | 0.00 | 0.00 | 0.00 |
| 9,600.02 | 89.98 | 180.12 | 7,288.48 | -2,389.78 | -1,976.40 | 2,714.21 | 0.00 | 0.00 | 0.00 |
| 9,700.02 | 89.98 | 180.12 | 7,288.52 | -2,489.78 | -1,976.60 | 2,812.52 | 0.00 | 0.00 | 0.00 |
| 9,800.02 | 89.98 | 180.12 | 7,288.56 | -2,589.78 | -1,976.80 | 2,910.83 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|-----------------------|-------------------------------------|-------------------------|
| Database: | DB_Jul2216dt_v14 | Local Co-ordinate Reference: | Well Walla 5-4-2L |
| Company: | Confluence Resources | TVD Reference: | RKB=5075+25 @ 5100.00ft |
| Project: | Weld County, Colorado | MD Reference: | RKB=5075+25 @ 5100.00ft |
| Site: | Section 33-T01N-R65W | North Reference: | True |
| Well: | Walla 5-4-2L | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Original Hole | | |
| Design: | plan1 | | |

| Planned Survey | | | | | | | | | | |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|--|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | |
| 9,900.02 | 89.98 | 180.12 | 7,288.61 | -2,689.78 | -1,977.01 | 3,009.14 | 0.00 | 0.00 | 0.00 | |
| 10,000.02 | 89.98 | 180.12 | 7,288.65 | -2,789.78 | -1,977.21 | 3,107.45 | 0.00 | 0.00 | 0.00 | |
| 10,100.02 | 89.98 | 180.12 | 7,288.69 | -2,889.78 | -1,977.41 | 3,205.76 | 0.00 | 0.00 | 0.00 | |
| 10,200.02 | 89.98 | 180.12 | 7,288.74 | -2,989.78 | -1,977.61 | 3,304.07 | 0.00 | 0.00 | 0.00 | |
| 10,300.02 | 89.98 | 180.12 | 7,288.78 | -3,089.78 | -1,977.81 | 3,402.38 | 0.00 | 0.00 | 0.00 | |
| 10,400.02 | 89.98 | 180.12 | 7,288.82 | -3,189.78 | -1,978.01 | 3,500.69 | 0.00 | 0.00 | 0.00 | |
| 10,500.02 | 89.98 | 180.12 | 7,288.86 | -3,289.78 | -1,978.22 | 3,599.01 | 0.00 | 0.00 | 0.00 | |
| 10,600.02 | 89.98 | 180.12 | 7,288.91 | -3,389.78 | -1,978.42 | 3,697.32 | 0.00 | 0.00 | 0.00 | |
| 10,700.02 | 89.98 | 180.12 | 7,288.95 | -3,489.78 | -1,978.62 | 3,795.63 | 0.00 | 0.00 | 0.00 | |
| 10,800.02 | 89.98 | 180.12 | 7,288.99 | -3,589.78 | -1,978.82 | 3,893.94 | 0.00 | 0.00 | 0.00 | |
| 10,900.02 | 89.98 | 180.12 | 7,289.04 | -3,689.78 | -1,979.02 | 3,992.25 | 0.00 | 0.00 | 0.00 | |
| 11,000.02 | 89.98 | 180.12 | 7,289.08 | -3,789.78 | -1,979.23 | 4,090.56 | 0.00 | 0.00 | 0.00 | |
| 11,100.02 | 89.98 | 180.12 | 7,289.12 | -3,889.78 | -1,979.43 | 4,188.87 | 0.00 | 0.00 | 0.00 | |
| 11,200.02 | 89.98 | 180.12 | 7,289.16 | -3,989.78 | -1,979.63 | 4,287.18 | 0.00 | 0.00 | 0.00 | |
| 11,300.02 | 89.98 | 180.12 | 7,289.21 | -4,089.78 | -1,979.83 | 4,385.49 | 0.00 | 0.00 | 0.00 | |
| 11,400.02 | 89.98 | 180.12 | 7,289.25 | -4,189.78 | -1,980.03 | 4,483.80 | 0.00 | 0.00 | 0.00 | |
| 11,500.02 | 89.98 | 180.12 | 7,289.29 | -4,289.78 | -1,980.23 | 4,582.11 | 0.00 | 0.00 | 0.00 | |
| 11,600.02 | 89.98 | 180.12 | 7,289.34 | -4,389.78 | -1,980.44 | 4,680.42 | 0.00 | 0.00 | 0.00 | |
| 11,700.02 | 89.98 | 180.12 | 7,289.38 | -4,489.78 | -1,980.64 | 4,778.73 | 0.00 | 0.00 | 0.00 | |
| 11,800.02 | 89.98 | 180.12 | 7,289.42 | -4,589.78 | -1,980.84 | 4,877.04 | 0.00 | 0.00 | 0.00 | |
| 11,900.02 | 89.98 | 180.12 | 7,289.47 | -4,689.78 | -1,981.04 | 4,975.35 | 0.00 | 0.00 | 0.00 | |
| 12,000.02 | 89.98 | 180.12 | 7,289.51 | -4,789.78 | -1,981.24 | 5,073.66 | 0.00 | 0.00 | 0.00 | |
| 12,100.02 | 89.98 | 180.12 | 7,289.55 | -4,889.78 | -1,981.45 | 5,171.97 | 0.00 | 0.00 | 0.00 | |
| 12,200.02 | 89.98 | 180.12 | 7,289.59 | -4,989.78 | -1,981.65 | 5,270.29 | 0.00 | 0.00 | 0.00 | |
| 12,300.02 | 89.98 | 180.12 | 7,289.64 | -5,089.78 | -1,981.85 | 5,368.60 | 0.00 | 0.00 | 0.00 | |
| 12,400.03 | 89.98 | 180.12 | 7,289.68 | -5,189.78 | -1,982.05 | 5,466.91 | 0.00 | 0.00 | 0.00 | |
| 12,500.03 | 89.98 | 180.12 | 7,289.72 | -5,289.78 | -1,982.25 | 5,565.22 | 0.00 | 0.00 | 0.00 | |
| 12,600.03 | 89.98 | 180.12 | 7,289.77 | -5,389.78 | -1,982.45 | 5,663.53 | 0.00 | 0.00 | 0.00 | |
| 12,700.03 | 89.98 | 180.12 | 7,289.81 | -5,489.78 | -1,982.66 | 5,761.84 | 0.00 | 0.00 | 0.00 | |
| 12,800.03 | 89.98 | 180.12 | 7,289.85 | -5,589.78 | -1,982.86 | 5,860.15 | 0.00 | 0.00 | 0.00 | |
| 12,900.03 | 89.98 | 180.12 | 7,289.90 | -5,689.78 | -1,983.06 | 5,958.46 | 0.00 | 0.00 | 0.00 | |
| 13,000.03 | 89.98 | 180.12 | 7,289.94 | -5,789.78 | -1,983.26 | 6,056.77 | 0.00 | 0.00 | 0.00 | |
| 13,100.03 | 89.98 | 180.12 | 7,289.98 | -5,889.78 | -1,983.46 | 6,155.08 | 0.00 | 0.00 | 0.00 | |
| 13,200.03 | 89.98 | 180.12 | 7,290.02 | -5,989.78 | -1,983.66 | 6,253.39 | 0.00 | 0.00 | 0.00 | |
| 13,300.03 | 89.98 | 180.12 | 7,290.07 | -6,089.78 | -1,983.87 | 6,351.70 | 0.00 | 0.00 | 0.00 | |
| 13,400.03 | 89.98 | 180.12 | 7,290.11 | -6,189.78 | -1,984.07 | 6,450.01 | 0.00 | 0.00 | 0.00 | |
| 13,500.03 | 89.98 | 180.12 | 7,290.15 | -6,289.78 | -1,984.27 | 6,548.32 | 0.00 | 0.00 | 0.00 | |
| 13,600.03 | 89.98 | 180.12 | 7,290.20 | -6,389.78 | -1,984.47 | 6,646.63 | 0.00 | 0.00 | 0.00 | |
| 13,700.03 | 89.98 | 180.12 | 7,290.24 | -6,489.78 | -1,984.67 | 6,744.94 | 0.00 | 0.00 | 0.00 | |
| 13,800.03 | 89.98 | 180.12 | 7,290.28 | -6,589.78 | -1,984.88 | 6,843.25 | 0.00 | 0.00 | 0.00 | |
| 13,900.03 | 89.98 | 180.12 | 7,290.33 | -6,689.78 | -1,985.08 | 6,941.57 | 0.00 | 0.00 | 0.00 | |
| 14,000.03 | 89.98 | 180.12 | 7,290.37 | -6,789.78 | -1,985.28 | 7,039.88 | 0.00 | 0.00 | 0.00 | |
| 14,100.03 | 89.98 | 180.12 | 7,290.41 | -6,889.78 | -1,985.48 | 7,138.19 | 0.00 | 0.00 | 0.00 | |
| 14,200.03 | 89.98 | 180.12 | 7,290.45 | -6,989.78 | -1,985.68 | 7,236.50 | 0.00 | 0.00 | 0.00 | |
| 14,300.03 | 89.98 | 180.12 | 7,290.50 | -7,089.78 | -1,985.88 | 7,334.81 | 0.00 | 0.00 | 0.00 | |
| 14,400.03 | 89.98 | 180.12 | 7,290.54 | -7,189.78 | -1,986.09 | 7,433.12 | 0.00 | 0.00 | 0.00 | |
| 14,500.03 | 89.98 | 180.12 | 7,290.58 | -7,289.78 | -1,986.29 | 7,531.43 | 0.00 | 0.00 | 0.00 | |
| 14,600.03 | 89.98 | 180.12 | 7,290.63 | -7,389.78 | -1,986.49 | 7,629.74 | 0.00 | 0.00 | 0.00 | |
| 14,700.03 | 89.98 | 180.12 | 7,290.67 | -7,489.78 | -1,986.69 | 7,728.05 | 0.00 | 0.00 | 0.00 | |
| 14,800.03 | 89.98 | 180.12 | 7,290.71 | -7,589.78 | -1,986.89 | 7,826.36 | 0.00 | 0.00 | 0.00 | |
| 14,900.03 | 89.98 | 180.12 | 7,290.76 | -7,689.78 | -1,987.09 | 7,924.67 | 0.00 | 0.00 | 0.00 | |
| 15,000.03 | 89.98 | 180.12 | 7,290.80 | -7,789.78 | -1,987.30 | 8,022.98 | 0.00 | 0.00 | 0.00 | |
| 15,100.03 | 89.98 | 180.12 | 7,290.84 | -7,889.78 | -1,987.50 | 8,121.29 | 0.00 | 0.00 | 0.00 | |
| 15,200.03 | 89.98 | 180.12 | 7,290.88 | -7,989.78 | -1,987.70 | 8,219.60 | 0.00 | 0.00 | 0.00 | |

| | | | |
|------------------|-----------------------|-------------------------------------|-------------------------|
| Database: | DB_Jul2216dt_v14 | Local Co-ordinate Reference: | Well Walla 5-4-2L |
| Company: | Confluence Resources | TVD Reference: | RKB=5075+25 @ 5100.00ft |
| Project: | Weld County, Colorado | MD Reference: | RKB=5075+25 @ 5100.00ft |
| Site: | Section 33-T01N-R65W | North Reference: | True |
| Well: | Walla 5-4-2L | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Original Hole | | |
| Design: | plan1 | | |

| Planned Survey | | | | | | | | | | |
|---------------------------------|--------------------|----------------|---------------------------|---------------|---------------|-----------------------------|-----------------------------|----------------------------|---------------------------|--|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | |
| 15,300.03 | 89.98 | 180.12 | 7,290.93 | -8,089.78 | -1,987.90 | 8,317.91 | 0.00 | 0.00 | 0.00 | |
| 15,400.03 | 89.98 | 180.12 | 7,290.97 | -8,189.78 | -1,988.10 | 8,416.22 | 0.00 | 0.00 | 0.00 | |
| 15,500.03 | 89.98 | 180.12 | 7,291.01 | -8,289.78 | -1,988.31 | 8,514.54 | 0.00 | 0.00 | 0.00 | |
| 15,600.03 | 89.98 | 180.12 | 7,291.06 | -8,389.78 | -1,988.51 | 8,612.85 | 0.00 | 0.00 | 0.00 | |
| 15,700.03 | 89.98 | 180.12 | 7,291.10 | -8,489.78 | -1,988.71 | 8,711.16 | 0.00 | 0.00 | 0.00 | |
| 15,800.03 | 89.98 | 180.12 | 7,291.14 | -8,589.78 | -1,988.91 | 8,809.47 | 0.00 | 0.00 | 0.00 | |
| 15,900.03 | 89.98 | 180.12 | 7,291.19 | -8,689.78 | -1,989.11 | 8,907.78 | 0.00 | 0.00 | 0.00 | |
| 16,000.03 | 89.98 | 180.12 | 7,291.23 | -8,789.78 | -1,989.31 | 9,006.09 | 0.00 | 0.00 | 0.00 | |
| 16,100.03 | 89.98 | 180.12 | 7,291.27 | -8,889.78 | -1,989.52 | 9,104.40 | 0.00 | 0.00 | 0.00 | |
| 16,200.03 | 89.98 | 180.12 | 7,291.31 | -8,989.78 | -1,989.72 | 9,202.71 | 0.00 | 0.00 | 0.00 | |
| 16,300.03 | 89.98 | 180.12 | 7,291.36 | -9,089.78 | -1,989.92 | 9,301.02 | 0.00 | 0.00 | 0.00 | |
| 16,400.03 | 89.98 | 180.12 | 7,291.40 | -9,189.78 | -1,990.12 | 9,399.33 | 0.00 | 0.00 | 0.00 | |
| 16,500.03 | 89.98 | 180.12 | 7,291.44 | -9,289.78 | -1,990.32 | 9,497.64 | 0.00 | 0.00 | 0.00 | |
| 16,600.03 | 89.98 | 180.12 | 7,291.49 | -9,389.78 | -1,990.53 | 9,595.95 | 0.00 | 0.00 | 0.00 | |
| 16,700.03 | 89.98 | 180.12 | 7,291.53 | -9,489.78 | -1,990.73 | 9,694.26 | 0.00 | 0.00 | 0.00 | |
| 16,800.03 | 89.98 | 180.12 | 7,291.57 | -9,589.78 | -1,990.93 | 9,792.57 | 0.00 | 0.00 | 0.00 | |
| 16,900.03 | 89.98 | 180.12 | 7,291.62 | -9,689.78 | -1,991.13 | 9,890.88 | 0.00 | 0.00 | 0.00 | |
| 17,000.03 | 89.98 | 180.12 | 7,291.66 | -9,789.78 | -1,991.33 | 9,989.19 | 0.00 | 0.00 | 0.00 | |
| 17,100.03 | 89.98 | 180.12 | 7,291.70 | -9,889.78 | -1,991.53 | 10,087.50 | 0.00 | 0.00 | 0.00 | |
| 17,200.03 | 89.98 | 180.12 | 7,291.74 | -9,989.78 | -1,991.74 | 10,185.82 | 0.00 | 0.00 | 0.00 | |
| 17,300.03 | 89.98 | 180.12 | 7,291.79 | -10,089.78 | -1,991.94 | 10,284.13 | 0.00 | 0.00 | 0.00 | |
| 17,400.04 | 89.98 | 180.12 | 7,291.83 | -10,189.78 | -1,992.14 | 10,382.44 | 0.00 | 0.00 | 0.00 | |
| 17,500.04 | 89.98 | 180.12 | 7,291.87 | -10,289.78 | -1,992.34 | 10,480.75 | 0.00 | 0.00 | 0.00 | |
| 17,600.04 | 89.98 | 180.12 | 7,291.92 | -10,389.78 | -1,992.54 | 10,579.06 | 0.00 | 0.00 | 0.00 | |
| 17,700.04 | 89.98 | 180.12 | 7,291.96 | -10,489.78 | -1,992.74 | 10,677.37 | 0.00 | 0.00 | 0.00 | |
| 17,795.10 | 89.98 | 180.12 | 7,292.00 | -10,584.85 | -1,992.94 | 10,770.83 | 0.00 | 0.00 | 0.00 | |
| PBHL/TD 17795.10 MD/7292.00 TVD | | | | | | | | | | |

| 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 | | | | | | | | | |
| LP Walla 5-4-2L 470 FNI | 0.00 | 0.00 | 7,288.00 | -1,280.40 | -1,974.16 | 14,526,613.57 | 1,728,803.46 | 39.99924101 | -104.68439408 |
| - plan hits target center | | | | | | | | | |
| - Point | | | | | | | | | |
| BHL Walla 5-4-2L 470 F: | 0.00 | 0.00 | 7,292.00 | -10,584.85 | -1,992.94 | 14,517,309.14 | 1,728,818.37 | 39.97368943 | -104.68445842 |
| - plan hits target center | | | | | | | | | |
| - Point | | | | | | | | | |

| Plan Annotations | | | | | |
|---------------------|---------------------|-------------------|------------|---------------------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | | |
| | | +N/-S (ft) | +E/-W (ft) | Comment | |
| 5,000.00 | 5,000.00 | 0.00 | 0.00 | KOP Begin 10°/100' build | |
| 5,464.89 | 5,415.54 | -70.99 | -163.76 | Begin 46.49° tangent section | |
| 7,759.27 | 6,995.19 | -732.78 | -1,690.48 | Begin 10°/100' build/turn | |
| 8,490.64 | 7,288.00 | -1,280.40 | -1,974.16 | LP Begin 89.98° lateral section | |
| 17,795.10 | 7,292.00 | -10,584.85 | -1,992.94 | PBHL/TD 17795.10 MD/7292.00 TVD | |

| | | | |
|------------------|-----------------------|-------------------------------------|-------------------------|
| Database: | DB_Jul2216dt_v14 | Local Co-ordinate Reference: | Well Walla 5-4-2L |
| Company: | Confluence Resources | TVD Reference: | RKB=5075+25 @ 5100.00ft |
| Project: | Weld County, Colorado | MD Reference: | RKB=5075+25 @ 5100.00ft |
| Site: | Section 33-T01N-R65W | North Reference: | True |
| Well: | Walla 5-4-2L | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Original Hole | | |
| Design: | plan1 | | |

| | | | |
|--------------------|--|----------------------|----------------|
| Project | Weld County, Colorado | | |
| Map System: | Universal Transverse Mercator (US Survey Feet) | System Datum: | Mean Sea Level |
| Geo Datum: | NAD83 Colorado - HARN | | |
| Map Zone: | Zone 13N (108 W to 102 W) | | |

| | | | | | |
|-----------------------|---------|----------------------|--------------------|-------------------|---------------|
| Site | | Section 33-T01N-R65W | | | |
| Site Position: | | Northing: | 14,527,751.12 usft | Latitude: | 40.00234552 |
| From: | Map | Easting: | 1,730,774.27 usft | Longitude: | -104.67734224 |
| Position Uncertainty: | 0.00 ft | Slot Radius: | 13-3/16 " | Grid Convergence: | 0.21 ° |

| | | | | | | |
|----------------------|---|---------|---------------------|--------------------|---------------|---------------|
| Well | Walla 5-4-2L, Surf loc: 810 FSL 300 FWL Sec33-T01N-R65W | | | | | |
| Well Position | +N/-S | 0.00 ft | Northing: | 14,527,901.11 usft | Latitude: | 40.00275743 |
| | +E/-W | 0.00 ft | Easting: | 1,730,772.97 usft | Longitude: | -104.67734494 |
| Position Uncertainty | | 0.00 ft | Wellhead Elevation: | | Ground Level: | 5,075.00 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Original Hole | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | HDGM | 5/18/2017 | 8.28 | 66.45 | 52,149.90000000 |

| | | | | |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| Design | plan1 | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PLAN | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) |
| | 0.00 | 0.00 | 0.00 | 190.66 |

| | | | | |
|---------------------------------|----------------------|---------------------------------|------------------|----------------|
| Plan Survey Tool Program | Date | 5/18/2017 | | |
| Depth From (ft) | Depth To (ft) | Survey (Wellbore) | Tool Name | Remarks |
| 1 | 0.00 | 17,795.10 plan1 (Original Hole) | | |

| | | | | | | | | | | |
|----------------------------|------------------------|--------------------|----------------------------|-------------------|-------------------|------------------------------|-----------------------------|----------------------------|----------------|-----------------------|
| Plan Sections | | | | | | | | | | |
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | TFO (°) | Target |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5,000.00 | 0.00 | 0.00 | 5,000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5,464.89 | 46.49 | 246.56 | 5,415.54 | -70.99 | -163.76 | 10.00 | 10.00 | 0.00 | 246.56 | |
| 7,759.27 | 46.49 | 246.56 | 6,995.19 | -732.78 | -1,690.48 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 8,490.64 | 89.98 | 180.12 | 7,288.00 | -1,280.40 | -1,974.16 | 10.00 | 5.95 | -9.09 | -73.31 | LP Walla 5-4-2L 470 F |
| 17,795.10 | 89.98 | 180.12 | 7,292.00 | -10,584.85 | -1,992.94 | 0.00 | 0.00 | 0.00 | 0.00 | BHL Walla 5-4-2L 470 |

| | | | |
|------------------|-----------------------|-------------------------------------|-------------------------|
| Database: | DB_Jul2216dt_v14 | Local Co-ordinate Reference: | Well Walla 5-4-2L |
| Company: | Confluence Resources | TVD Reference: | RKB=5075+25 @ 5100.00ft |
| Project: | Weld County, Colorado | MD Reference: | RKB=5075+25 @ 5100.00ft |
| Site: | Section 33-T01N-R65W | North Reference: | True |
| Well: | Walla 5-4-2L | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Original Hole | | |
| Design: | plan1 | | |

| Planned Survey | | | | | | | | | |
|--------------------------|-----------------|-------------|---------------------|------------|------------|---------------------|--------------------|-------------|---------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (usft) | Map Easting (usft) | Latitude | Longitude |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 100.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 200.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 300.00 | 0.00 | 0.00 | 300.00 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 400.00 | 0.00 | 0.00 | 400.00 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 500.00 | 0.00 | 0.00 | 500.00 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 600.00 | 0.00 | 0.00 | 600.00 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 700.00 | 0.00 | 0.00 | 700.00 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 800.00 | 0.00 | 0.00 | 800.00 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 900.00 | 0.00 | 0.00 | 900.00 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 1,000.00 | 0.00 | 0.00 | 1,000.00 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 1,100.00 | 0.00 | 0.00 | 1,100.00 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 1,200.00 | 0.00 | 0.00 | 1,200.00 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 1,300.00 | 0.00 | 0.00 | 1,300.00 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 1,400.00 | 0.00 | 0.00 | 1,400.00 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 1,500.00 | 0.00 | 0.00 | 1,500.00 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 1,600.00 | 0.00 | 0.00 | 1,600.00 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 1,700.00 | 0.00 | 0.00 | 1,700.00 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 1,800.00 | 0.00 | 0.00 | 1,800.00 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 1,900.00 | 0.00 | 0.00 | 1,900.00 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 2,000.00 | 0.00 | 0.00 | 2,000.00 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 2,100.00 | 0.00 | 0.00 | 2,100.00 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 2,200.00 | 0.00 | 0.00 | 2,200.00 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 2,300.00 | 0.00 | 0.00 | 2,300.00 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 2,400.00 | 0.00 | 0.00 | 2,400.00 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 2,500.01 | 0.00 | 0.00 | 2,500.01 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 2,600.01 | 0.00 | 0.00 | 2,600.01 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 2,700.01 | 0.00 | 0.00 | 2,700.01 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 2,800.01 | 0.00 | 0.00 | 2,800.01 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 2,900.01 | 0.00 | 0.00 | 2,900.01 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 3,000.01 | 0.00 | 0.00 | 3,000.01 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 3,100.01 | 0.00 | 0.00 | 3,100.01 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 3,200.01 | 0.00 | 0.00 | 3,200.01 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 3,300.01 | 0.00 | 0.00 | 3,300.01 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 3,400.01 | 0.00 | 0.00 | 3,400.01 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 3,500.01 | 0.00 | 0.00 | 3,500.01 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 3,600.01 | 0.00 | 0.00 | 3,600.01 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 3,700.01 | 0.00 | 0.00 | 3,700.01 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 3,800.01 | 0.00 | 0.00 | 3,800.01 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 3,900.01 | 0.00 | 0.00 | 3,900.01 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 4,000.01 | 0.00 | 0.00 | 4,000.01 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 4,100.01 | 0.00 | 0.00 | 4,100.01 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 4,200.01 | 0.00 | 0.00 | 4,200.01 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 4,300.01 | 0.00 | 0.00 | 4,300.01 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 4,400.01 | 0.00 | 0.00 | 4,400.01 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 4,500.01 | 0.00 | 0.00 | 4,500.01 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 4,600.01 | 0.00 | 0.00 | 4,600.01 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 4,700.01 | 0.00 | 0.00 | 4,700.01 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 4,800.01 | 0.00 | 0.00 | 4,800.01 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 4,900.01 | 0.00 | 0.00 | 4,900.01 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 5,000.00 | 0.00 | 0.00 | 5,000.00 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| KOP Begin 10°/100' build | | | | | | | | | |
| 5,000.01 | 0.00 | 246.56 | 5,000.01 | 0.00 | 0.00 | 14,527,901.11 | 1,730,772.97 | 40.00275743 | -104.67734494 |
| 5,100.01 | 10.00 | 246.56 | 5,099.50 | -3.46 | -7.99 | 14,527,897.62 | 1,730,764.99 | 40.00274792 | -104.67737346 |

| | | | |
|------------------|-----------------------|-------------------------------------|-------------------------|
| Database: | DB_Jul2216dt_v14 | Local Co-ordinate Reference: | Well Walla 5-4-2L |
| Company: | Confluence Resources | TVD Reference: | RKB=5075+25 @ 5100.00ft |
| Project: | Weld County, Colorado | MD Reference: | RKB=5075+25 @ 5100.00ft |
| Site: | Section 33-T01N-R65W | North Reference: | True |
| Well: | Walla 5-4-2L | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Original Hole | | |
| Design: | plan1 | | |

| Planned Survey | | | | | | | | | |
|--|-----------------|-------------|---------------------|------------|------------|---------------------|--------------------|-------------|---------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (usft) | Map Easting (usft) | Latitude | Longitude |
| 5,200.01 | 20.00 | 246.56 | 5,195.97 | -13.74 | -31.71 | 14,527,887.26 | 1,730,741.31 | 40.00271968 | -104.67745816 |
| 5,300.01 | 30.00 | 246.56 | 5,286.49 | -30.53 | -70.43 | 14,527,870.33 | 1,730,702.65 | 40.00267358 | -104.67759645 |
| 5,400.01 | 40.00 | 246.56 | 5,368.30 | -53.32 | -123.00 | 14,527,847.35 | 1,730,650.17 | 40.00261101 | -104.67778414 |
| 5,464.89 | 46.49 | 246.56 | 5,415.54 | -70.99 | -163.76 | 14,527,829.54 | 1,730,609.47 | 40.00256249 | -104.67792970 |
| Begin 46.49° tangent section | | | | | | | | | |
| 5,500.01 | 46.49 | 246.56 | 5,439.71 | -81.11 | -187.13 | 14,527,819.32 | 1,730,586.14 | 40.00253467 | -104.67801315 |
| 5,600.01 | 46.49 | 246.56 | 5,508.56 | -109.96 | -253.67 | 14,527,790.24 | 1,730,519.70 | 40.00245546 | -104.67825076 |
| 5,700.01 | 46.49 | 246.56 | 5,577.41 | -138.80 | -320.21 | 14,527,761.15 | 1,730,453.26 | 40.00237624 | -104.67848837 |
| 5,800.01 | 46.49 | 246.56 | 5,646.26 | -167.65 | -386.75 | 14,527,732.07 | 1,730,386.83 | 40.00229703 | -104.67872598 |
| 5,900.01 | 46.49 | 246.56 | 5,715.11 | -196.49 | -453.30 | 14,527,702.98 | 1,730,320.39 | 40.00221782 | -104.67896359 |
| 6,000.01 | 46.49 | 246.56 | 5,783.96 | -225.34 | -519.84 | 14,527,673.90 | 1,730,253.95 | 40.00213860 | -104.67920120 |
| 6,100.01 | 46.49 | 246.56 | 5,852.81 | -254.18 | -586.38 | 14,527,644.81 | 1,730,187.51 | 40.00205939 | -104.67943881 |
| 6,200.01 | 46.49 | 246.56 | 5,921.66 | -283.02 | -652.92 | 14,527,615.73 | 1,730,121.08 | 40.00198017 | -104.67967642 |
| 6,300.01 | 46.49 | 246.56 | 5,990.51 | -311.87 | -719.46 | 14,527,586.64 | 1,730,054.64 | 40.00190096 | -104.67991403 |
| 6,400.01 | 46.49 | 246.56 | 6,059.36 | -340.71 | -786.01 | 14,527,557.56 | 1,729,988.20 | 40.00182174 | -104.68015164 |
| 6,500.01 | 46.49 | 246.56 | 6,128.20 | -369.56 | -852.55 | 14,527,528.47 | 1,729,921.77 | 40.00174252 | -104.68038924 |
| 6,600.01 | 46.49 | 246.56 | 6,197.05 | -398.40 | -919.09 | 14,527,499.39 | 1,729,855.33 | 40.00166330 | -104.68062685 |
| 6,700.01 | 46.49 | 246.56 | 6,265.90 | -427.25 | -985.63 | 14,527,470.30 | 1,729,788.89 | 40.00158409 | -104.68086446 |
| 6,800.01 | 46.49 | 246.56 | 6,334.75 | -456.09 | -1,052.17 | 14,527,441.22 | 1,729,722.45 | 40.00150487 | -104.68110206 |
| 6,900.01 | 46.49 | 246.56 | 6,403.60 | -484.93 | -1,118.72 | 14,527,412.13 | 1,729,656.02 | 40.00142565 | -104.68133967 |
| 7,000.01 | 46.49 | 246.56 | 6,472.45 | -513.78 | -1,185.26 | 14,527,383.05 | 1,729,589.58 | 40.00134643 | -104.68157727 |
| 7,100.01 | 46.49 | 246.56 | 6,541.30 | -542.62 | -1,251.80 | 14,527,353.96 | 1,729,523.14 | 40.00126721 | -104.68181488 |
| 7,200.01 | 46.49 | 246.56 | 6,610.15 | -571.47 | -1,318.34 | 14,527,324.88 | 1,729,456.71 | 40.00118799 | -104.68205248 |
| 7,300.01 | 46.49 | 246.56 | 6,679.00 | -600.31 | -1,384.88 | 14,527,295.79 | 1,729,390.27 | 40.00110877 | -104.68229008 |
| 7,400.01 | 46.49 | 246.56 | 6,747.85 | -629.16 | -1,451.43 | 14,527,266.71 | 1,729,323.83 | 40.00102955 | -104.68252768 |
| 7,500.02 | 46.49 | 246.56 | 6,816.70 | -658.00 | -1,517.97 | 14,527,237.63 | 1,729,257.39 | 40.00095032 | -104.68276529 |
| 7,600.02 | 46.49 | 246.56 | 6,885.54 | -686.84 | -1,584.51 | 14,527,208.54 | 1,729,190.96 | 40.00087110 | -104.68300289 |
| 7,700.02 | 46.49 | 246.56 | 6,954.39 | -715.69 | -1,651.05 | 14,527,179.46 | 1,729,124.52 | 40.00079188 | -104.68324049 |
| 7,759.27 | 46.49 | 246.56 | 6,995.19 | -732.78 | -1,690.48 | 14,527,162.22 | 1,729,085.15 | 40.00074494 | -104.68338127 |
| Begin 10°/100' build/turn | | | | | | | | | |
| 7,800.02 | 47.78 | 241.29 | 7,022.92 | -745.91 | -1,717.28 | 14,527,148.99 | 1,729,058.40 | 40.00070887 | -104.68347697 |
| 7,900.02 | 51.89 | 229.35 | 7,087.54 | -789.44 | -1,779.77 | 14,527,105.24 | 1,728,996.08 | 40.00058932 | -104.68370007 |
| 8,000.02 | 57.07 | 218.82 | 7,145.73 | -847.92 | -1,836.06 | 14,527,046.56 | 1,728,939.99 | 40.00042872 | -104.68390107 |
| 8,100.02 | 63.02 | 209.54 | 7,195.72 | -919.56 | -1,884.46 | 14,526,974.74 | 1,728,891.86 | 40.00023196 | -104.68407386 |
| 8,200.02 | 69.52 | 201.23 | 7,235.99 | -1,002.21 | -1,923.48 | 14,526,891.95 | 1,728,853.13 | 40.00000500 | -104.68421320 |
| 8,300.02 | 76.39 | 193.62 | 7,265.32 | -1,093.33 | -1,951.96 | 14,526,800.73 | 1,728,824.99 | 39.99975475 | -104.68431485 |
| 8,400.02 | 83.47 | 186.44 | 7,282.82 | -1,190.17 | -1,969.01 | 14,526,703.83 | 1,728,808.28 | 39.99948881 | -104.68437571 |
| 8,490.64 | 89.98 | 180.12 | 7,288.00 | -1,280.40 | -1,974.16 | 14,526,613.57 | 1,728,803.46 | 39.99924101 | -104.68439408 |
| LP Begin 89.98° lateral section | | | | | | | | | |
| 8,500.02 | 89.98 | 180.12 | 7,288.00 | -1,289.78 | -1,974.18 | 14,526,604.20 | 1,728,803.47 | 39.99921527 | -104.68439414 |
| 8,600.02 | 89.98 | 180.12 | 7,288.05 | -1,389.78 | -1,974.38 | 14,526,504.20 | 1,728,803.63 | 39.99894065 | -104.68439484 |
| 8,700.02 | 89.98 | 180.12 | 7,288.09 | -1,489.78 | -1,974.58 | 14,526,404.20 | 1,728,803.79 | 39.99866603 | -104.68439553 |
| 8,800.02 | 89.98 | 180.12 | 7,288.13 | -1,589.78 | -1,974.79 | 14,526,304.20 | 1,728,803.95 | 39.99839142 | -104.68439622 |
| 8,900.02 | 89.98 | 180.12 | 7,288.18 | -1,689.78 | -1,974.99 | 14,526,204.20 | 1,728,804.11 | 39.99811680 | -104.68439691 |
| 9,000.02 | 89.98 | 180.12 | 7,288.22 | -1,789.78 | -1,975.19 | 14,526,104.20 | 1,728,804.27 | 39.99784218 | -104.68439760 |
| 9,100.02 | 89.98 | 180.12 | 7,288.26 | -1,889.78 | -1,975.39 | 14,526,004.20 | 1,728,804.44 | 39.99756757 | -104.68439830 |
| 9,200.02 | 89.98 | 180.12 | 7,288.31 | -1,989.78 | -1,975.59 | 14,525,904.20 | 1,728,804.60 | 39.99729295 | -104.68439899 |
| 9,300.02 | 89.98 | 180.12 | 7,288.35 | -2,089.78 | -1,975.80 | 14,525,804.20 | 1,728,804.76 | 39.99701833 | -104.68439968 |
| 9,400.02 | 89.98 | 180.12 | 7,288.39 | -2,189.78 | -1,976.00 | 14,525,704.20 | 1,728,804.92 | 39.99674372 | -104.68440037 |
| 9,500.02 | 89.98 | 180.12 | 7,288.43 | -2,289.78 | -1,976.20 | 14,525,604.20 | 1,728,805.08 | 39.99646910 | -104.68440106 |
| 9,600.02 | 89.98 | 180.12 | 7,288.48 | -2,389.78 | -1,976.40 | 14,525,504.20 | 1,728,805.24 | 39.99619448 | -104.68440176 |
| 9,700.02 | 89.98 | 180.12 | 7,288.52 | -2,489.78 | -1,976.60 | 14,525,404.20 | 1,728,805.40 | 39.99591987 | -104.68440245 |
| 9,800.02 | 89.98 | 180.12 | 7,288.56 | -2,589.78 | -1,976.80 | 14,525,304.20 | 1,728,805.56 | 39.99564525 | -104.68440314 |
| 9,900.02 | 89.98 | 180.12 | 7,288.61 | -2,689.78 | -1,977.01 | 14,525,204.20 | 1,728,805.72 | 39.99537063 | -104.68440383 |

| | | | |
|------------------|-----------------------|-------------------------------------|-------------------------|
| Database: | DB_Jul2216dt_v14 | Local Co-ordinate Reference: | Well Walla 5-4-2L |
| Company: | Confluence Resources | TVD Reference: | RKB=5075+25 @ 5100.00ft |
| Project: | Weld County, Colorado | MD Reference: | RKB=5075+25 @ 5100.00ft |
| Site: | Section 33-T01N-R65W | North Reference: | True |
| Well: | Walla 5-4-2L | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Original Hole | | |
| Design: | plan1 | | |

| Planned Survey | | | | | | | | | |
|---------------------|-----------------|-------------|---------------------|------------|------------|---------------------|--------------------|-------------|---------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (usft) | Map Easting (usft) | Latitude | Longitude |
| 10,000.02 | 89.98 | 180.12 | 7,288.65 | -2,789.78 | -1,977.21 | 14,525,104.20 | 1,728,805.88 | 39.99509602 | -104.68440452 |
| 10,100.02 | 89.98 | 180.12 | 7,288.69 | -2,889.78 | -1,977.41 | 14,525,004.20 | 1,728,806.04 | 39.99482140 | -104.68440522 |
| 10,200.02 | 89.98 | 180.12 | 7,288.74 | -2,989.78 | -1,977.61 | 14,524,904.20 | 1,728,806.20 | 39.99454678 | -104.68440591 |
| 10,300.02 | 89.98 | 180.12 | 7,288.78 | -3,089.78 | -1,977.81 | 14,524,804.20 | 1,728,806.36 | 39.99427217 | -104.68440660 |
| 10,400.02 | 89.98 | 180.12 | 7,288.82 | -3,189.78 | -1,978.01 | 14,524,704.20 | 1,728,806.52 | 39.99399755 | -104.68440729 |
| 10,500.02 | 89.98 | 180.12 | 7,288.86 | -3,289.78 | -1,978.22 | 14,524,604.20 | 1,728,806.68 | 39.99372294 | -104.68440798 |
| 10,600.02 | 89.98 | 180.12 | 7,288.91 | -3,389.78 | -1,978.42 | 14,524,504.20 | 1,728,806.84 | 39.99344832 | -104.68440867 |
| 10,700.02 | 89.98 | 180.12 | 7,288.95 | -3,489.78 | -1,978.62 | 14,524,404.20 | 1,728,807.00 | 39.99317370 | -104.68440937 |
| 10,800.02 | 89.98 | 180.12 | 7,288.99 | -3,589.78 | -1,978.82 | 14,524,304.20 | 1,728,807.16 | 39.99289909 | -104.68441006 |
| 10,900.02 | 89.98 | 180.12 | 7,289.04 | -3,689.78 | -1,979.02 | 14,524,204.20 | 1,728,807.32 | 39.99262447 | -104.68441075 |
| 11,000.02 | 89.98 | 180.12 | 7,289.08 | -3,789.78 | -1,979.23 | 14,524,104.20 | 1,728,807.48 | 39.99234985 | -104.68441144 |
| 11,100.02 | 89.98 | 180.12 | 7,289.12 | -3,889.78 | -1,979.43 | 14,524,004.20 | 1,728,807.64 | 39.99207523 | -104.68441213 |
| 11,200.02 | 89.98 | 180.12 | 7,289.16 | -3,989.78 | -1,979.63 | 14,523,904.20 | 1,728,807.80 | 39.99180062 | -104.68441282 |
| 11,300.02 | 89.98 | 180.12 | 7,289.21 | -4,089.78 | -1,979.83 | 14,523,804.20 | 1,728,807.96 | 39.99152600 | -104.68441352 |
| 11,400.02 | 89.98 | 180.12 | 7,289.25 | -4,189.78 | -1,980.03 | 14,523,704.20 | 1,728,808.12 | 39.99125138 | -104.68441421 |
| 11,500.02 | 89.98 | 180.12 | 7,289.29 | -4,289.78 | -1,980.23 | 14,523,604.20 | 1,728,808.28 | 39.99097677 | -104.68441490 |
| 11,600.02 | 89.98 | 180.12 | 7,289.34 | -4,389.78 | -1,980.44 | 14,523,504.20 | 1,728,808.44 | 39.99070215 | -104.68441559 |
| 11,700.02 | 89.98 | 180.12 | 7,289.38 | -4,489.78 | -1,980.64 | 14,523,404.20 | 1,728,808.60 | 39.99042753 | -104.68441628 |
| 11,800.02 | 89.98 | 180.12 | 7,289.42 | -4,589.78 | -1,980.84 | 14,523,304.20 | 1,728,808.76 | 39.99015292 | -104.68441698 |
| 11,900.02 | 89.98 | 180.12 | 7,289.47 | -4,689.78 | -1,981.04 | 14,523,204.20 | 1,728,808.92 | 39.98987830 | -104.68441767 |
| 12,000.02 | 89.98 | 180.12 | 7,289.51 | -4,789.78 | -1,981.24 | 14,523,104.20 | 1,728,809.08 | 39.98960368 | -104.68441836 |
| 12,100.02 | 89.98 | 180.12 | 7,289.55 | -4,889.78 | -1,981.45 | 14,523,004.20 | 1,728,809.24 | 39.98932907 | -104.68441905 |
| 12,200.02 | 89.98 | 180.12 | 7,289.59 | -4,989.78 | -1,981.65 | 14,522,904.20 | 1,728,809.40 | 39.98905445 | -104.68441974 |
| 12,300.02 | 89.98 | 180.12 | 7,289.64 | -5,089.78 | -1,981.85 | 14,522,804.20 | 1,728,809.56 | 39.98877983 | -104.68442043 |
| 12,400.03 | 89.98 | 180.12 | 7,289.68 | -5,189.78 | -1,982.05 | 14,522,704.20 | 1,728,809.72 | 39.98850522 | -104.68442112 |
| 12,500.03 | 89.98 | 180.12 | 7,289.72 | -5,289.78 | -1,982.25 | 14,522,604.20 | 1,728,809.88 | 39.98823060 | -104.68442182 |
| 12,600.03 | 89.98 | 180.12 | 7,289.77 | -5,389.78 | -1,982.45 | 14,522,504.20 | 1,728,810.04 | 39.98795598 | -104.68442251 |
| 12,700.03 | 89.98 | 180.12 | 7,289.81 | -5,489.78 | -1,982.66 | 14,522,404.20 | 1,728,810.20 | 39.98768137 | -104.68442320 |
| 12,800.03 | 89.98 | 180.12 | 7,289.85 | -5,589.78 | -1,982.86 | 14,522,304.20 | 1,728,810.36 | 39.98740675 | -104.68442389 |
| 12,900.03 | 89.98 | 180.12 | 7,289.90 | -5,689.78 | -1,983.06 | 14,522,204.20 | 1,728,810.52 | 39.98713213 | -104.68442458 |
| 13,000.03 | 89.98 | 180.12 | 7,289.94 | -5,789.78 | -1,983.26 | 14,522,104.21 | 1,728,810.68 | 39.98685751 | -104.68442527 |
| 13,100.03 | 89.98 | 180.12 | 7,289.98 | -5,889.78 | -1,983.46 | 14,522,004.21 | 1,728,810.84 | 39.98658290 | -104.68442597 |
| 13,200.03 | 89.98 | 180.12 | 7,290.02 | -5,989.78 | -1,983.66 | 14,521,904.21 | 1,728,811.01 | 39.98630828 | -104.68442666 |
| 13,300.03 | 89.98 | 180.12 | 7,290.07 | -6,089.78 | -1,983.87 | 14,521,804.21 | 1,728,811.17 | 39.98603366 | -104.68442735 |
| 13,400.03 | 89.98 | 180.12 | 7,290.11 | -6,189.78 | -1,984.07 | 14,521,704.21 | 1,728,811.33 | 39.98575905 | -104.68442804 |
| 13,500.03 | 89.98 | 180.12 | 7,290.15 | -6,289.78 | -1,984.27 | 14,521,604.21 | 1,728,811.49 | 39.98548443 | -104.68442873 |
| 13,600.03 | 89.98 | 180.12 | 7,290.20 | -6,389.78 | -1,984.47 | 14,521,504.21 | 1,728,811.65 | 39.98520981 | -104.68442942 |
| 13,700.03 | 89.98 | 180.12 | 7,290.24 | -6,489.78 | -1,984.67 | 14,521,404.21 | 1,728,811.81 | 39.98493520 | -104.68443011 |
| 13,800.03 | 89.98 | 180.12 | 7,290.28 | -6,589.78 | -1,984.88 | 14,521,304.21 | 1,728,811.97 | 39.98466058 | -104.68443081 |
| 13,900.03 | 89.98 | 180.12 | 7,290.33 | -6,689.78 | -1,985.08 | 14,521,204.21 | 1,728,812.13 | 39.98438596 | -104.68443150 |
| 14,000.03 | 89.98 | 180.12 | 7,290.37 | -6,789.78 | -1,985.28 | 14,521,104.21 | 1,728,812.29 | 39.98411134 | -104.68443219 |
| 14,100.03 | 89.98 | 180.12 | 7,290.41 | -6,889.78 | -1,985.48 | 14,521,004.21 | 1,728,812.45 | 39.98383673 | -104.68443288 |
| 14,200.03 | 89.98 | 180.12 | 7,290.45 | -6,989.78 | -1,985.68 | 14,520,904.21 | 1,728,812.61 | 39.98356211 | -104.68443357 |
| 14,300.03 | 89.98 | 180.12 | 7,290.50 | -7,089.78 | -1,985.88 | 14,520,804.21 | 1,728,812.77 | 39.98328749 | -104.68443426 |
| 14,400.03 | 89.98 | 180.12 | 7,290.54 | -7,189.78 | -1,986.09 | 14,520,704.21 | 1,728,812.93 | 39.98301288 | -104.68443495 |
| 14,500.03 | 89.98 | 180.12 | 7,290.58 | -7,289.78 | -1,986.29 | 14,520,604.21 | 1,728,813.09 | 39.98273826 | -104.68443565 |
| 14,600.03 | 89.98 | 180.12 | 7,290.63 | -7,389.78 | -1,986.49 | 14,520,504.21 | 1,728,813.25 | 39.98246364 | -104.68443634 |
| 14,700.03 | 89.98 | 180.12 | 7,290.67 | -7,489.78 | -1,986.69 | 14,520,404.21 | 1,728,813.41 | 39.98218902 | -104.68443703 |
| 14,800.03 | 89.98 | 180.12 | 7,290.71 | -7,589.78 | -1,986.89 | 14,520,304.21 | 1,728,813.57 | 39.98191441 | -104.68443772 |
| 14,900.03 | 89.98 | 180.12 | 7,290.76 | -7,689.78 | -1,987.09 | 14,520,204.21 | 1,728,813.73 | 39.98163979 | -104.68443841 |
| 15,000.03 | 89.98 | 180.12 | 7,290.80 | -7,789.78 | -1,987.30 | 14,520,104.21 | 1,728,813.89 | 39.98136517 | -104.68443910 |
| 15,100.03 | 89.98 | 180.12 | 7,290.84 | -7,889.78 | -1,987.50 | 14,520,004.21 | 1,728,814.05 | 39.98109056 | -104.68443979 |
| 15,200.03 | 89.98 | 180.12 | 7,290.88 | -7,989.78 | -1,987.70 | 14,519,904.21 | 1,728,814.21 | 39.98081594 | -104.68444048 |
| 15,300.03 | 89.98 | 180.12 | 7,290.93 | -8,089.78 | -1,987.90 | 14,519,804.21 | 1,728,814.37 | 39.98054132 | -104.68444118 |
| 15,400.03 | 89.98 | 180.12 | 7,290.97 | -8,189.78 | -1,988.10 | 14,519,704.21 | 1,728,814.53 | 39.98026670 | -104.68444187 |

| | | | |
|------------------|-----------------------|-------------------------------------|-------------------------|
| Database: | DB_Jul2216dt_v14 | Local Co-ordinate Reference: | Well Walla 5-4-2L |
| Company: | Confluence Resources | TVD Reference: | RKB=5075+25 @ 5100.00ft |
| Project: | Weld County, Colorado | MD Reference: | RKB=5075+25 @ 5100.00ft |
| Site: | Section 33-T01N-R65W | North Reference: | True |
| Well: | Walla 5-4-2L | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Original Hole | | |
| Design: | plan1 | | |

| Planned Survey | | | | | | | | | | |
|---------------------------------|--------------------|----------------|---------------------------|---------------|---------------|---------------------------|--------------------------|--------------|---------------|--|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (usft) | Map Easting (usft) | Latitude | Longitude | |
| 15,500.03 | 89.98 | 180.12 | 7,291.01 | -8,289.78 | -1,988.31 | 14,519,604.21 | 1,728,814.69 | 39.97999209 | -104.68444256 | |
| 15,600.03 | 89.98 | 180.12 | 7,291.06 | -8,389.78 | -1,988.51 | 14,519,504.21 | 1,728,814.85 | 39.97971747 | -104.68444325 | |
| 15,700.03 | 89.98 | 180.12 | 7,291.10 | -8,489.78 | -1,988.71 | 14,519,404.21 | 1,728,815.01 | 39.978444285 | -104.68444394 | |
| 15,800.03 | 89.98 | 180.12 | 7,291.14 | -8,589.78 | -1,988.91 | 14,519,304.21 | 1,728,815.17 | 39.97916823 | -104.68444463 | |
| 15,900.03 | 89.98 | 180.12 | 7,291.19 | -8,689.78 | -1,989.11 | 14,519,204.21 | 1,728,815.33 | 39.97889362 | -104.68444532 | |
| 16,000.03 | 89.98 | 180.12 | 7,291.23 | -8,789.78 | -1,989.31 | 14,519,104.21 | 1,728,815.49 | 39.97861900 | -104.68444601 | |
| 16,100.03 | 89.98 | 180.12 | 7,291.27 | -8,889.78 | -1,989.52 | 14,519,004.21 | 1,728,815.65 | 39.97834438 | -104.68444670 | |
| 16,200.03 | 89.98 | 180.12 | 7,291.31 | -8,989.78 | -1,989.72 | 14,518,904.21 | 1,728,815.81 | 39.97806976 | -104.68444740 | |
| 16,300.03 | 89.98 | 180.12 | 7,291.36 | -9,089.78 | -1,989.92 | 14,518,804.21 | 1,728,815.97 | 39.97779515 | -104.68444809 | |
| 16,400.03 | 89.98 | 180.12 | 7,291.40 | -9,189.78 | -1,990.12 | 14,518,704.21 | 1,728,816.13 | 39.97752053 | -104.68444878 | |
| 16,500.03 | 89.98 | 180.12 | 7,291.44 | -9,289.78 | -1,990.32 | 14,518,604.21 | 1,728,816.29 | 39.97724591 | -104.68444947 | |
| 16,600.03 | 89.98 | 180.12 | 7,291.49 | -9,389.78 | -1,990.53 | 14,518,504.21 | 1,728,816.45 | 39.97697130 | -104.68445016 | |
| 16,700.03 | 89.98 | 180.12 | 7,291.53 | -9,489.78 | -1,990.73 | 14,518,404.21 | 1,728,816.61 | 39.97669668 | -104.68445085 | |
| 16,800.03 | 89.98 | 180.12 | 7,291.57 | -9,589.78 | -1,990.93 | 14,518,304.21 | 1,728,816.77 | 39.97642206 | -104.68445154 | |
| 16,900.03 | 89.98 | 180.12 | 7,291.62 | -9,689.78 | -1,991.13 | 14,518,204.21 | 1,728,816.93 | 39.97614744 | -104.68445223 | |
| 17,000.03 | 89.98 | 180.12 | 7,291.66 | -9,789.78 | -1,991.33 | 14,518,104.21 | 1,728,817.09 | 39.97587283 | -104.68445292 | |
| 17,100.03 | 89.98 | 180.12 | 7,291.70 | -9,889.78 | -1,991.53 | 14,518,004.21 | 1,728,817.25 | 39.97559821 | -104.68445361 | |
| 17,200.03 | 89.98 | 180.12 | 7,291.74 | -9,989.78 | -1,991.74 | 14,517,904.21 | 1,728,817.42 | 39.97532359 | -104.68445431 | |
| 17,300.03 | 89.98 | 180.12 | 7,291.79 | -10,089.78 | -1,991.94 | 14,517,804.21 | 1,728,817.58 | 39.97504897 | -104.68445500 | |
| 17,400.04 | 89.98 | 180.12 | 7,291.83 | -10,189.78 | -1,992.14 | 14,517,704.21 | 1,728,817.74 | 39.97477436 | -104.68445569 | |
| 17,500.04 | 89.98 | 180.12 | 7,291.87 | -10,289.78 | -1,992.34 | 14,517,604.21 | 1,728,817.90 | 39.97449974 | -104.68445638 | |
| 17,600.04 | 89.98 | 180.12 | 7,291.92 | -10,389.78 | -1,992.54 | 14,517,504.21 | 1,728,818.06 | 39.97422512 | -104.68445707 | |
| 17,700.04 | 89.98 | 180.12 | 7,291.96 | -10,489.78 | -1,992.74 | 14,517,404.21 | 1,728,818.22 | 39.97395050 | -104.68445776 | |
| 17,795.10 | 89.98 | 180.12 | 7,292.00 | -10,584.85 | -1,992.94 | 14,517,309.14 | 1,728,818.37 | 39.97368943 | -104.68445842 | |
| PBHL/TD 17795.10 MD/7292.00 TVD | | | | | | | | | | |

| Design Targets | | | | | | | | | | |
|--|---------------|--------------|----------|------------|------------|-----------------|----------------|-------------|---------------|--|
| Target Name | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (usft) | Easting (usft) | Latitude | Longitude | |
| LP Walla 5-4-2L 470 FNI - hit/miss target - Shape - Point | 0.00 | 0.00 | 7,288.00 | -1,280.40 | -1,974.16 | 14,526,613.57 | 1,728,803.46 | 39.99924101 | -104.68439408 | |
| BHL Walla 5-4-2L 470 F: - plan hits target center - Point | 0.00 | 0.00 | 7,292.00 | -10,584.85 | -1,992.94 | 14,517,309.14 | 1,728,818.37 | 39.97368943 | -104.68445842 | |

| Plan Annotations | | | | | |
|---------------------|---------------------|-------------------|------------|---------------------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | Comment | |
| | | +N/-S (ft) | +E/-W (ft) | | |
| 5,000.00 | 5,000.00 | 0.00 | 0.00 | KOP Begin 10°/100' build | |
| 5,464.89 | 5,415.54 | -70.99 | -163.76 | Begin 46.49° tangent section | |
| 7,759.27 | 6,995.19 | -732.78 | -1,690.48 | Begin 10°/100' build/turn | |
| 8,490.64 | 7,288.00 | -1,280.40 | -1,974.16 | LP Begin 89.98° lateral section | |
| 17,795.10 | 7,292.00 | -10,584.85 | -1,992.94 | PBHL/TD 17795.10 MD/7292.00 TVD | |