

CRESTONE PEAK RESOURCES

ARAPAHOE COUNTY

SEC 2-T4S-R65W

PROSPER FARMS 4-65 2-1-6 1BH

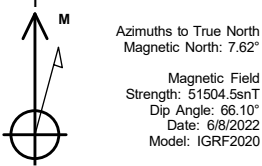
OWB

Plan: PROPOSAL 1

Standard Planning Report

12 August, 2022

Project: ARAPAHOE COUNTY
Site: SEC 2-T4S-R65W
Well: PROSPER FARMS 4-65 2-1-6 1BH
Wellbore: OWB
Design: PROPOSAL 1



| WELL DETAILS: PROSPER FARMS 4-65 2-1-6 1BH | | | | | | |
|--|-------|------------|------------|-------------|--------------|------|
| | | | 5631.21 | | | |
| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Slot |
| 0.00 | 0.00 | 1691841.06 | 3242233.47 | 39.729755°N | 104.638753°W | |

| ANNOTATIONS | | | | | | | |
|-----------------------------------|-------|--------|---------|---------|----------|----------|-----------|
| MD | Inc | Azi | TVD | +N/-S | +E/-W | VSect | Departure |
| 200.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1213.45 | 20.27 | 340.99 | 1192.44 | 167.73 | -57.77 | -31.06 | 177.40 |
| 7667.47 | 20.27 | 340.99 | 7246.81 | 2281.70 | -785.88 | -422.55 | 2413.25 |
| 8633.41 | 90.00 | 90.35 | 7850.00 | 2488.33 | -215.43 | 173.05 | 3072.53 |
| 24092.23 | 90.00 | 90.35 | 7850.00 | 2392.71 | 15243.10 | 15429.75 | 18531.35 |
| Annotation | | | | | | | |
| Start Build 2.00 | | | | | | | |
| Start 6454.02 hold at 1213.45 MD | | | | | | | |
| Start DLS 10.00 TFO 108.24 | | | | | | | |
| Start 15458.82 hold at 8633.41 MD | | | | | | | |
| TD at 24092.23 | | | | | | | |

| 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 | 200.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 1213.45 | 20.27 | 340.99 | 1192.44 | 167.73 | -57.77 | 2.00 | 340.99 | -31.06 |
| 4 | 7667.47 | 20.27 | 340.99 | 7246.81 | 2281.70 | -785.88 | 0.00 | 0.00 | -422.55 |
| 5 | 8633.41 | 90.00 | 90.35 | 7850.00 | 2488.33 | -215.43 | 10.00 | 108.24 | 173.05 |
| 6 | 24092.23 | 90.00 | 90.35 | 7850.00 | 2392.71 | 15243.10 | 0.00 | 0.00 | 15429.75 |
| Target | | | | | | | | | |
| LP-PROSPER FARMS 4-65 2-1-6 1 | | | | | | | | | |
| PBHL-PROSPER FARMS 4-65 2-1- | | | | | | | | | |

| DESIGN TARGET DETAILS | | | | | | | | | | |
|-----------------------------------|---------|---------|----------|------------|------------|-------------|--------------|-------|--|--|
| Name | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Shape | | |
| LP-PROSPER FARMS 4-65 2-1-6 1BH | 7850.00 | 2488.33 | -215.43 | 1694327.23 | 3241994.47 | 39.736586°N | 104.639519°W | Point | | |
| - plan hits target center | | | | | | | | | | |
| PBHL-PROSPER FARMS 4-65 2-1-6 1BH | 7850.00 | 2392.71 | 15243.10 | 1694378.15 | 3257453.15 | 39.736311°N | 104.584553°W | Point | | |
| - plan hits target center | | | | | | | | | | |

PROJECT DETAILS: ARAPAHOE COUNTY

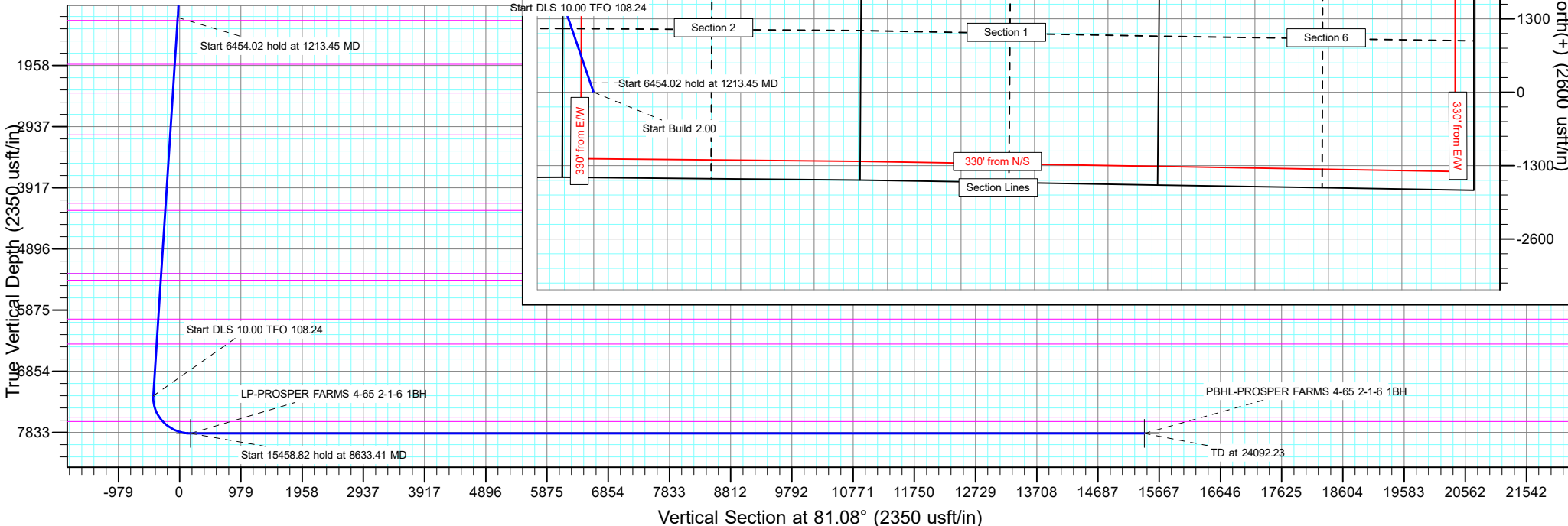
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Central Zone

System Datum: Mean Sea Level

SHL:
1510' FSL, 553' FWL
Sec 2-T4S-R65W

LP:
1200' FNL, 330' FWL
Sec 2-T4S-R65W

BHL:
1140' FNL, 330' FEL
Sec 6-T4S-R64W



Planning Report

| | | | |
|------------------|------------------------------|-------------------------------------|-----------------------------------|
| Database: | EDT_32Bit_ODBC | Local Co-ordinate Reference: | Well PROSPER FARMS 4-65 2-1-6 1BH |
| Company: | CRESTONE PEAK RESOURCES | TVD Reference: | KB 25' @ 5656.21usft |
| Project: | ARAPAHOE COUNTY | MD Reference: | KB 25' @ 5656.21usft |
| Site: | SEC 2-T4S-R65W | North Reference: | True |
| Well: | PROSPER FARMS 4-65 2-1-6 1BH | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OWB | | |
| Design: | PROPOSAL 1 | | |

| | | | |
|--------------------|---------------------------|----------------------|-----------------------------|
| Project | ARAPAHOE COUNTY | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Colorado Central Zone | | Using geodetic scale factor |

| | | | | | |
|-----------------------|-----------|----------------|-------------------|-------------------|--------------|
| Site | | SEC 2-T4S-R65W | | | |
| Site Position: | | Northing: | 1,695,525.07 usft | Latitude: | 39.739883°N |
| From: | Lat/Long | Easting: | 3,241,656.33 usft | Longitude: | 104.640681°W |
| Position Uncertainty: | 0.00 usft | Slot Radius: | 13.200 in | Grid Convergence: | 0.54 ° |

| | | | | | | |
|----------------------|------------------------------|----------------|---------------------|-------------------|---------------|---------------|
| Well | PROSPER FARMS 4-65 2-1-6 1BH | | | | | |
| Well Position | +N/-S | -3,689.32 usft | Northing: | 1,691,841.05 usft | Latitude: | 39.729755°N |
| | +E/-W | 542.28 usft | Easting: | 3,242,233.48 usft | Longitude: | 104.638753°W |
| Position Uncertainty | | 0.00 usft | Wellhead Elevation: | | Ground Level: | 5,631.21 usft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | OWB | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2020 | 6/8/2022 | 7.62 | 66.10 | 51,504.48991880 |

| | | | | |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| Design | PROPOSAL 1 | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PROTOTYPE | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) (usft) | +N/-S (usft) | +E/-W (usft) | Direction (°) |
| | 0.00 | 0.00 | 0.00 | 81.08 |

| | | | | |
|---------------------------------|------------------------|----------------------------|---------------------|----------------|
| Plan Survey Tool Program | Date | 8/12/2022 | | |
| Depth From (usft) | Depth To (usft) | Survey (Wellbore) | Tool Name | Remarks |
| 1 | 0.00 | 24,092.23 PROPOSAL 1 (OWB) | MWD OWSG | |
| | | | OWSG MWD - Standard | |

| | | | | | | | | | | |
|------------------------------|------------------------|--------------------|------------------------------|---------------------|---------------------|------------------------------|-----------------------------|----------------------------|----------------|------------------|
| Plan Sections | | | | | | | | | | |
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | 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 | |
| 200.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,213.45 | 20.27 | 340.99 | 1,192.44 | 167.73 | -57.77 | 2.00 | 2.00 | 0.00 | 340.99 | |
| 7,667.47 | 20.27 | 340.99 | 7,246.81 | 2,281.70 | -785.88 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 8,633.41 | 90.00 | 90.35 | 7,850.00 | 2,488.33 | -215.43 | 10.00 | 7.22 | 11.32 | 108.24 | LP-PROSPER FARM |
| 24,092.24 | 90.00 | 90.35 | 7,850.00 | 2,392.71 | 15,243.10 | 0.00 | 0.00 | 0.00 | 0.00 | PBHL-PROSPER FAI |

Planning Report

| | | | |
|------------------|------------------------------|-------------------------------------|-----------------------------------|
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| Company: | CRESTONE PEAK RESOURCES | TVD Reference: | KB 25' @ 5656.21usft |
| Project: | ARAPAHOE COUNTY | MD Reference: | KB 25' @ 5656.21usft |
| Site: | SEC 2-T4S-R65W | North Reference: | True |
| Well: | PROSPER FARMS 4-65 2-1-6 1BH | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OWB | | |
| Design: | PROPOSAL 1 | | |

| Planned Survey | | | | | | | | | |
|---|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-----------------------|----------------------|---------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | 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 |
| 24.00 | 0.00 | 0.00 | 24.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Denver | | | | | | | | | |
| 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 |
| Start Build 2.00 | | | | | | | | | |
| 300.00 | 2.00 | 340.99 | 299.98 | 1.65 | -0.57 | -0.31 | 2.00 | 2.00 | 0.00 |
| 400.00 | 4.00 | 340.99 | 399.84 | 6.60 | -2.27 | -1.22 | 2.00 | 2.00 | 0.00 |
| 500.00 | 6.00 | 340.99 | 499.45 | 14.84 | -5.11 | -2.75 | 2.00 | 2.00 | 0.00 |
| 600.00 | 8.00 | 340.99 | 598.70 | 26.36 | -9.08 | -4.88 | 2.00 | 2.00 | 0.00 |
| 666.05 | 9.32 | 340.99 | 664.00 | 35.76 | -12.32 | -6.62 | 2.00 | 2.00 | 0.00 |
| Arapahoe | | | | | | | | | |
| 700.00 | 10.00 | 340.99 | 697.47 | 41.15 | -14.17 | -7.62 | 2.00 | 2.00 | 0.00 |
| 800.00 | 12.00 | 340.99 | 795.62 | 59.19 | -20.39 | -10.96 | 2.00 | 2.00 | 0.00 |
| 900.00 | 14.00 | 340.99 | 893.06 | 80.46 | -27.71 | -14.90 | 2.00 | 2.00 | 0.00 |
| 1,000.00 | 16.00 | 340.99 | 989.64 | 104.93 | -36.14 | -19.43 | 2.00 | 2.00 | 0.00 |
| 1,100.00 | 18.00 | 340.99 | 1,085.27 | 132.57 | -45.66 | -24.55 | 2.00 | 2.00 | 0.00 |
| 1,200.00 | 20.00 | 340.99 | 1,179.82 | 163.35 | -56.26 | -30.25 | 2.00 | 2.00 | 0.00 |
| 1,213.45 | 20.27 | 340.99 | 1,192.44 | 167.73 | -57.77 | -31.06 | 2.00 | 2.00 | 0.00 |
| Start 6454.02 hold at 1213.45 MD | | | | | | | | | |
| 1,263.08 | 20.27 | 340.99 | 1,239.00 | 183.98 | -63.37 | -34.07 | 0.00 | 0.00 | 0.00 |
| Laramie-Fox Hills Formation | | | | | | | | | |
| 1,300.00 | 20.27 | 340.99 | 1,273.63 | 196.08 | -67.53 | -36.31 | 0.00 | 0.00 | 0.00 |
| 1,400.00 | 20.27 | 340.99 | 1,367.44 | 228.83 | -78.82 | -42.38 | 0.00 | 0.00 | 0.00 |
| 1,500.00 | 20.27 | 340.99 | 1,461.25 | 261.59 | -90.10 | -48.44 | 0.00 | 0.00 | 0.00 |
| 1,600.00 | 20.27 | 340.99 | 1,555.06 | 294.34 | -101.38 | -54.51 | 0.00 | 0.00 | 0.00 |
| 1,700.00 | 20.27 | 340.99 | 1,648.86 | 327.09 | -112.66 | -60.57 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 20.27 | 340.99 | 1,742.67 | 359.85 | -123.94 | -66.64 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 20.27 | 340.99 | 1,836.48 | 392.60 | -135.22 | -72.71 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 20.27 | 340.99 | 1,930.29 | 425.36 | -146.51 | -78.77 | 0.00 | 0.00 | 0.00 |
| 2,009.29 | 20.27 | 340.99 | 1,939.00 | 428.40 | -147.55 | -79.34 | 0.00 | 0.00 | 0.00 |
| Pierre Formation | | | | | | | | | |
| 2,100.00 | 20.27 | 340.99 | 2,024.10 | 458.11 | -157.79 | -84.84 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 20.27 | 340.99 | 2,117.90 | 490.87 | -169.07 | -90.90 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 20.27 | 340.99 | 2,211.71 | 523.62 | -180.35 | -96.97 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 20.27 | 340.99 | 2,305.52 | 556.37 | -191.63 | -103.04 | 0.00 | 0.00 | 0.00 |
| 2,499.65 | 20.27 | 340.99 | 2,399.00 | 589.02 | -202.87 | -109.08 | 0.00 | 0.00 | 0.00 |
| Upper Pierre aquifer | | | | | | | | | |
| 2,500.00 | 20.27 | 340.99 | 2,399.33 | 589.13 | -202.91 | -109.10 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 20.27 | 340.99 | 2,493.13 | 621.88 | -214.19 | -115.17 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 20.27 | 340.99 | 2,586.94 | 654.64 | -225.48 | -121.23 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 20.27 | 340.99 | 2,680.75 | 687.39 | -236.76 | -127.30 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 20.27 | 340.99 | 2,774.56 | 720.15 | -248.04 | -133.36 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 20.27 | 340.99 | 2,868.36 | 752.90 | -259.32 | -139.43 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 20.27 | 340.99 | 2,962.17 | 785.65 | -270.60 | -145.50 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 20.27 | 340.99 | 3,055.98 | 818.41 | -281.88 | -151.56 | 0.00 | 0.00 | 0.00 |
| 3,213.88 | 20.27 | 340.99 | 3,069.00 | 822.96 | -283.45 | -152.40 | 0.00 | 0.00 | 0.00 |
| Base of Upper Pierre aquifer | | | | | | | | | |
| 3,300.00 | 20.27 | 340.99 | 3,149.79 | 851.16 | -293.17 | -157.63 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 20.27 | 340.99 | 3,243.60 | 883.92 | -304.45 | -163.69 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 20.27 | 340.99 | 3,337.40 | 916.67 | -315.73 | -169.76 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 20.27 | 340.99 | 3,431.21 | 949.43 | -327.01 | -175.83 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 20.27 | 340.99 | 3,525.02 | 982.18 | -338.29 | -181.89 | 0.00 | 0.00 | 0.00 |

Planning Report

| | | | |
|------------------|------------------------------|-------------------------------------|-----------------------------------|
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| Company: | CRESTONE PEAK RESOURCES | TVD Reference: | KB 25' @ 5656.21usft |
| Project: | ARAPAHOE COUNTY | MD Reference: | KB 25' @ 5656.21usft |
| Site: | SEC 2-T4S-R65W | North Reference: | True |
| Well: | PROSPER FARMS 4-65 2-1-6 1BH | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OWB | | |
| Design: | PROPOSAL 1 | | |

| Planned Survey | | | | | | | | | | |
|-------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-----------------------|----------------------|---------------------|--|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | |
| 3,800.00 | 20.27 | 340.99 | 3,618.83 | 1,014.94 | -349.57 | -187.96 | 0.00 | 0.00 | 0.00 | |
| 3,900.00 | 20.27 | 340.99 | 3,712.63 | 1,047.69 | -360.85 | -194.02 | 0.00 | 0.00 | 0.00 | |
| 4,000.00 | 20.27 | 340.99 | 3,806.44 | 1,080.44 | -372.14 | -200.09 | 0.00 | 0.00 | 0.00 | |
| 4,100.00 | 20.27 | 340.99 | 3,900.25 | 1,113.20 | -383.42 | -206.15 | 0.00 | 0.00 | 0.00 | |
| 4,200.00 | 20.27 | 340.99 | 3,994.06 | 1,145.95 | -394.70 | -212.22 | 0.00 | 0.00 | 0.00 | |
| 4,300.00 | 20.27 | 340.99 | 4,087.86 | 1,178.71 | -405.98 | -218.29 | 0.00 | 0.00 | 0.00 | |
| 4,381.16 | 20.27 | 340.99 | 4,164.00 | 1,205.29 | -415.14 | -223.21 | 0.00 | 0.00 | 0.00 | |
| Larimer ("Parkman") sandstone | | | | | | | | | | |
| 4,400.00 | 20.27 | 340.99 | 4,181.67 | 1,211.46 | -417.26 | -224.35 | 0.00 | 0.00 | 0.00 | |
| 4,500.00 | 20.27 | 340.99 | 4,275.48 | 1,244.22 | -428.54 | -230.42 | 0.00 | 0.00 | 0.00 | |
| 4,503.75 | 20.27 | 340.99 | 4,279.00 | 1,245.44 | -428.97 | -230.65 | 0.00 | 0.00 | 0.00 | |
| Pierre Formation | | | | | | | | | | |
| 4,600.00 | 20.27 | 340.99 | 4,369.29 | 1,276.97 | -439.83 | -236.48 | 0.00 | 0.00 | 0.00 | |
| 4,700.00 | 20.27 | 340.99 | 4,463.10 | 1,309.72 | -451.11 | -242.55 | 0.00 | 0.00 | 0.00 | |
| 4,800.00 | 20.27 | 340.99 | 4,556.90 | 1,342.48 | -462.39 | -248.62 | 0.00 | 0.00 | 0.00 | |
| 4,900.00 | 20.27 | 340.99 | 4,650.71 | 1,375.23 | -473.67 | -254.68 | 0.00 | 0.00 | 0.00 | |
| 5,000.00 | 20.27 | 340.99 | 4,744.52 | 1,407.99 | -484.95 | -260.75 | 0.00 | 0.00 | 0.00 | |
| 5,100.00 | 20.27 | 340.99 | 4,838.33 | 1,440.74 | -496.23 | -266.81 | 0.00 | 0.00 | 0.00 | |
| 5,200.00 | 20.27 | 340.99 | 4,932.13 | 1,473.50 | -507.51 | -272.88 | 0.00 | 0.00 | 0.00 | |
| 5,300.00 | 20.27 | 340.99 | 5,025.94 | 1,506.25 | -518.80 | -278.94 | 0.00 | 0.00 | 0.00 | |
| 5,400.00 | 20.27 | 340.99 | 5,119.75 | 1,539.00 | -530.08 | -285.01 | 0.00 | 0.00 | 0.00 | |
| 5,500.00 | 20.27 | 340.99 | 5,213.56 | 1,571.76 | -541.36 | -291.08 | 0.00 | 0.00 | 0.00 | |
| 5,580.42 | 20.27 | 340.99 | 5,289.00 | 1,598.10 | -550.43 | -295.95 | 0.00 | 0.00 | 0.00 | |
| Terry ("Sussex") sandstone | | | | | | | | | | |
| 5,600.00 | 20.27 | 340.99 | 5,307.36 | 1,604.51 | -552.64 | -297.14 | 0.00 | 0.00 | 0.00 | |
| 5,697.68 | 20.27 | 340.99 | 5,399.00 | 1,636.51 | -563.66 | -303.07 | 0.00 | 0.00 | 0.00 | |
| Pierre Formation | | | | | | | | | | |
| 5,700.00 | 20.27 | 340.99 | 5,401.17 | 1,637.27 | -563.92 | -303.21 | 0.00 | 0.00 | 0.00 | |
| 5,800.00 | 20.27 | 340.99 | 5,494.98 | 1,670.02 | -575.20 | -309.27 | 0.00 | 0.00 | 0.00 | |
| 5,900.00 | 20.27 | 340.99 | 5,588.79 | 1,702.78 | -586.49 | -315.34 | 0.00 | 0.00 | 0.00 | |
| 6,000.00 | 20.27 | 340.99 | 5,682.59 | 1,735.53 | -597.77 | -321.41 | 0.00 | 0.00 | 0.00 | |
| 6,100.00 | 20.27 | 340.99 | 5,776.40 | 1,768.29 | -609.05 | -327.47 | 0.00 | 0.00 | 0.00 | |
| 6,200.00 | 20.27 | 340.99 | 5,870.21 | 1,801.04 | -620.33 | -333.54 | 0.00 | 0.00 | 0.00 | |
| 6,300.00 | 20.27 | 340.99 | 5,964.02 | 1,833.79 | -631.61 | -339.60 | 0.00 | 0.00 | 0.00 | |
| 6,358.61 | 20.27 | 340.99 | 6,019.00 | 1,852.99 | -638.22 | -343.16 | 0.00 | 0.00 | 0.00 | |
| Hygiene ("Shannon") sandstone | | | | | | | | | | |
| 6,400.00 | 20.27 | 340.99 | 6,057.83 | 1,866.55 | -642.89 | -345.67 | 0.00 | 0.00 | 0.00 | |
| 6,500.00 | 20.27 | 340.99 | 6,151.63 | 1,899.30 | -654.17 | -351.73 | 0.00 | 0.00 | 0.00 | |
| 6,600.00 | 20.27 | 340.99 | 6,245.44 | 1,932.06 | -665.46 | -357.80 | 0.00 | 0.00 | 0.00 | |
| 6,700.00 | 20.27 | 340.99 | 6,339.25 | 1,964.81 | -676.74 | -363.87 | 0.00 | 0.00 | 0.00 | |
| 6,785.02 | 20.27 | 340.99 | 6,419.00 | 1,992.66 | -686.33 | -369.02 | 0.00 | 0.00 | 0.00 | |
| Pierre Formation | | | | | | | | | | |
| 6,800.00 | 20.27 | 340.99 | 6,433.06 | 1,997.57 | -688.02 | -369.93 | 0.00 | 0.00 | 0.00 | |
| 6,900.00 | 20.27 | 340.99 | 6,526.86 | 2,030.32 | -699.30 | -376.00 | 0.00 | 0.00 | 0.00 | |
| 7,000.00 | 20.27 | 340.99 | 6,620.67 | 2,063.07 | -710.58 | -382.06 | 0.00 | 0.00 | 0.00 | |
| 7,100.00 | 20.27 | 340.99 | 6,714.48 | 2,095.83 | -721.86 | -388.13 | 0.00 | 0.00 | 0.00 | |
| 7,200.00 | 20.27 | 340.99 | 6,808.29 | 2,128.58 | -733.15 | -394.19 | 0.00 | 0.00 | 0.00 | |
| 7,300.00 | 20.27 | 340.99 | 6,902.09 | 2,161.34 | -744.43 | -400.26 | 0.00 | 0.00 | 0.00 | |
| 7,400.00 | 20.27 | 340.99 | 6,995.90 | 2,194.09 | -755.71 | -406.33 | 0.00 | 0.00 | 0.00 | |
| 7,500.00 | 20.27 | 340.99 | 7,089.71 | 2,226.85 | -766.99 | -412.39 | 0.00 | 0.00 | 0.00 | |
| 7,600.00 | 20.27 | 340.99 | 7,183.52 | 2,259.60 | -778.27 | -418.46 | 0.00 | 0.00 | 0.00 | |
| 7,667.47 | 20.27 | 340.99 | 7,246.81 | 2,281.70 | -785.88 | -422.55 | 0.00 | 0.00 | 0.00 | |
| Start DLS 10.00 TFO 108.24 | | | | | | | | | | |

Planning Report

| | | | |
|------------------|------------------------------|-------------------------------------|-----------------------------------|
| Database: | EDT_32Bit_ODBC | Local Co-ordinate Reference: | Well PROSPER FARMS 4-65 2-1-6 1BH |
| Company: | CRESTONE PEAK RESOURCES | TVD Reference: | KB 25' @ 5656.21usft |
| Project: | ARAPAHOE COUNTY | MD Reference: | KB 25' @ 5656.21usft |
| Site: | SEC 2-T4S-R65W | North Reference: | True |
| Well: | PROSPER FARMS 4-65 2-1-6 1BH | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OWB | | |
| Design: | PROPOSAL 1 | | |

| Planned Survey | | | | | | | | | |
|-----------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-----------------------|----------------------|---------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 7,700.00 | 19.49 | 350.29 | 7,277.41 | 2,292.38 | -788.63 | -423.61 | 10.00 | -2.40 | 28.58 |
| 7,750.00 | 19.28 | 5.38 | 7,324.61 | 2,308.83 | -789.27 | -421.69 | 10.00 | -0.42 | 30.18 |
| 7,800.00 | 20.29 | 19.89 | 7,371.68 | 2,325.21 | -785.54 | -415.46 | 10.00 | 2.02 | 29.01 |
| 7,850.00 | 22.36 | 32.45 | 7,418.28 | 2,341.39 | -777.48 | -405.00 | 10.00 | 4.13 | 25.12 |
| 7,900.00 | 25.22 | 42.64 | 7,464.05 | 2,357.26 | -765.16 | -390.36 | 10.00 | 5.73 | 20.38 |
| 7,950.00 | 28.64 | 50.71 | 7,508.64 | 2,372.70 | -748.66 | -371.67 | 10.00 | 6.84 | 16.14 |
| 8,000.00 | 32.44 | 57.12 | 7,551.70 | 2,387.57 | -728.11 | -349.06 | 10.00 | 7.60 | 12.81 |
| 8,045.13 | 36.10 | 61.81 | 7,589.00 | 2,400.43 | -706.21 | -325.43 | 10.00 | 8.11 | 10.41 |
| Sharon Springs Member | | | | | | | | | |
| 8,050.00 | 36.51 | 62.27 | 7,592.92 | 2,401.78 | -703.67 | -322.71 | 10.00 | 8.31 | 9.39 |
| 8,100.00 | 40.75 | 66.51 | 7,631.98 | 2,415.22 | -675.52 | -292.82 | 10.00 | 8.49 | 8.47 |
| 8,136.56 | 43.94 | 69.16 | 7,659.00 | 2,424.49 | -652.71 | -268.85 | 10.00 | 8.72 | 7.26 |
| Niobrara Formation | | | | | | | | | |
| 8,150.00 | 45.13 | 70.06 | 7,668.58 | 2,427.77 | -643.88 | -259.61 | 10.00 | 8.83 | 6.69 |
| 8,200.00 | 49.60 | 73.11 | 7,702.44 | 2,439.36 | -608.98 | -223.34 | 10.00 | 8.94 | 6.09 |
| 8,250.00 | 54.14 | 75.77 | 7,733.31 | 2,449.88 | -571.10 | -184.29 | 10.00 | 9.08 | 5.33 |
| 8,300.00 | 58.73 | 78.14 | 7,760.95 | 2,459.26 | -530.52 | -142.75 | 10.00 | 9.19 | 4.74 |
| 8,350.00 | 63.37 | 80.29 | 7,785.15 | 2,467.42 | -487.56 | -99.03 | 10.00 | 9.27 | 4.30 |
| 8,400.00 | 68.03 | 82.27 | 7,805.72 | 2,474.31 | -442.53 | -53.48 | 10.00 | 9.32 | 3.96 |
| 8,450.00 | 72.71 | 84.13 | 7,822.51 | 2,479.87 | -395.78 | -6.43 | 10.00 | 9.37 | 3.71 |
| 8,500.00 | 77.41 | 85.89 | 7,835.40 | 2,484.07 | -347.66 | 41.75 | 10.00 | 9.40 | 3.53 |
| 8,550.00 | 82.13 | 87.59 | 7,844.28 | 2,486.86 | -298.55 | 90.70 | 10.00 | 9.42 | 3.40 |
| 8,600.00 | 86.85 | 89.25 | 7,849.08 | 2,488.22 | -248.82 | 140.04 | 10.00 | 9.44 | 3.32 |
| 8,633.41 | 90.00 | 90.35 | 7,850.00 | 2,488.33 | -215.43 | 173.05 | 10.00 | 9.44 | 3.29 |
| Start 15458.82 hold at 8633.41 MD | | | | | | | | | |
| 8,700.00 | 90.00 | 90.35 | 7,850.00 | 2,487.92 | -148.84 | 238.77 | 0.00 | 0.00 | 0.00 |
| 8,800.00 | 90.00 | 90.35 | 7,850.00 | 2,487.30 | -48.84 | 337.46 | 0.00 | 0.00 | 0.00 |
| 8,900.00 | 90.00 | 90.35 | 7,850.00 | 2,486.69 | 51.16 | 436.15 | 0.00 | 0.00 | 0.00 |
| 9,000.00 | 90.00 | 90.35 | 7,850.00 | 2,486.07 | 151.16 | 534.84 | 0.00 | 0.00 | 0.00 |
| 9,100.00 | 90.00 | 90.35 | 7,850.00 | 2,485.45 | 251.15 | 633.54 | 0.00 | 0.00 | 0.00 |
| 9,200.00 | 90.00 | 90.35 | 7,850.00 | 2,484.83 | 351.15 | 732.23 | 0.00 | 0.00 | 0.00 |
| 9,300.00 | 90.00 | 90.35 | 7,850.00 | 2,484.21 | 451.15 | 830.92 | 0.00 | 0.00 | 0.00 |
| 9,400.00 | 90.00 | 90.35 | 7,850.00 | 2,483.59 | 551.15 | 929.61 | 0.00 | 0.00 | 0.00 |
| 9,500.00 | 90.00 | 90.35 | 7,850.00 | 2,482.97 | 651.15 | 1,028.31 | 0.00 | 0.00 | 0.00 |
| 9,600.00 | 90.00 | 90.35 | 7,850.00 | 2,482.36 | 751.14 | 1,127.00 | 0.00 | 0.00 | 0.00 |
| 9,700.00 | 90.00 | 90.35 | 7,850.00 | 2,481.74 | 851.14 | 1,225.69 | 0.00 | 0.00 | 0.00 |
| 9,800.00 | 90.00 | 90.35 | 7,850.00 | 2,481.12 | 951.14 | 1,324.38 | 0.00 | 0.00 | 0.00 |
| 9,900.00 | 90.00 | 90.35 | 7,850.00 | 2,480.50 | 1,051.14 | 1,423.08 | 0.00 | 0.00 | 0.00 |
| 10,000.00 | 90.00 | 90.35 | 7,850.00 | 2,479.88 | 1,151.14 | 1,521.77 | 0.00 | 0.00 | 0.00 |
| 10,100.00 | 90.00 | 90.35 | 7,850.00 | 2,479.26 | 1,251.13 | 1,620.46 | 0.00 | 0.00 | 0.00 |
| 10,200.00 | 90.00 | 90.35 | 7,850.00 | 2,478.64 | 1,351.13 | 1,719.15 | 0.00 | 0.00 | 0.00 |
| 10,300.00 | 90.00 | 90.35 | 7,850.00 | 2,478.03 | 1,451.13 | 1,817.85 | 0.00 | 0.00 | 0.00 |
| 10,400.00 | 90.00 | 90.35 | 7,850.00 | 2,477.41 | 1,551.13 | 1,916.54 | 0.00 | 0.00 | 0.00 |
| 10,500.00 | 90.00 | 90.35 | 7,850.00 | 2,476.79 | 1,651.13 | 2,015.23 | 0.00 | 0.00 | 0.00 |
| 10,600.00 | 90.00 | 90.35 | 7,850.00 | 2,476.17 | 1,751.12 | 2,113.92 | 0.00 | 0.00 | 0.00 |
| 10,700.00 | 90.00 | 90.35 | 7,850.00 | 2,475.55 | 1,851.12 | 2,212.62 | 0.00 | 0.00 | 0.00 |
| 10,800.00 | 90.00 | 90.35 | 7,850.00 | 2,474.93 | 1,951.12 | 2,311.31 | 0.00 | 0.00 | 0.00 |
| 10,900.00 | 90.00 | 90.35 | 7,850.00 | 2,474.31 | 2,051.12 | 2,410.00 | 0.00 | 0.00 | 0.00 |
| 11,000.00 | 90.00 | 90.35 | 7,850.00 | 2,473.70 | 2,151.12 | 2,508.69 | 0.00 | 0.00 | 0.00 |
| 11,100.00 | 90.00 | 90.35 | 7,850.00 | 2,473.08 | 2,251.11 | 2,607.39 | 0.00 | 0.00 | 0.00 |
| 11,200.00 | 90.00 | 90.35 | 7,850.00 | 2,472.46 | 2,351.11 | 2,706.08 | 0.00 | 0.00 | 0.00 |
| 11,300.00 | 90.00 | 90.35 | 7,850.00 | 2,471.84 | 2,451.11 | 2,804.77 | 0.00 | 0.00 | 0.00 |
| 11,400.00 | 90.00 | 90.35 | 7,850.00 | 2,471.22 | 2,551.11 | 2,903.46 | 0.00 | 0.00 | 0.00 |

Planning Report

| | | | |
|------------------|------------------------------|-------------------------------------|-----------------------------------|
| Database: | EDT_32Bit_ODBC | Local Co-ordinate Reference: | Well PROSPER FARMS 4-65 2-1-6 1BH |
| Company: | CRESTONE PEAK RESOURCES | TVD Reference: | KB 25' @ 5656.21usft |
| Project: | ARAPAHOE COUNTY | MD Reference: | KB 25' @ 5656.21usft |
| Site: | SEC 2-T4S-R65W | North Reference: | True |
| Well: | PROSPER FARMS 4-65 2-1-6 1BH | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OWB | | |
| Design: | PROPOSAL 1 | | |

| Planned Survey | | | | | | | | | | |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-----------------------|----------------------|---------------------|--|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | |
| 11,500.00 | 90.00 | 90.35 | 7,850.00 | 2,470.60 | 2,651.11 | 3,002.16 | 0.00 | 0.00 | 0.00 | |
| 11,600.00 | 90.00 | 90.35 | 7,850.00 | 2,469.98 | 2,751.11 | 3,100.85 | 0.00 | 0.00 | 0.00 | |
| 11,700.00 | 90.00 | 90.35 | 7,850.00 | 2,469.37 | 2,851.10 | 3,199.54 | 0.00 | 0.00 | 0.00 | |
| 11,800.00 | 90.00 | 90.35 | 7,850.00 | 2,468.75 | 2,951.10 | 3,298.23 | 0.00 | 0.00 | 0.00 | |
| 11,900.00 | 90.00 | 90.35 | 7,850.00 | 2,468.13 | 3,051.10 | 3,396.93 | 0.00 | 0.00 | 0.00 | |
| 12,000.00 | 90.00 | 90.35 | 7,850.00 | 2,467.51 | 3,151.10 | 3,495.62 | 0.00 | 0.00 | 0.00 | |
| 12,100.00 | 90.00 | 90.35 | 7,850.00 | 2,466.89 | 3,251.10 | 3,594.31 | 0.00 | 0.00 | 0.00 | |
| 12,200.00 | 90.00 | 90.35 | 7,850.00 | 2,466.27 | 3,351.09 | 3,693.00 | 0.00 | 0.00 | 0.00 | |
| 12,300.00 | 90.00 | 90.35 | 7,850.00 | 2,465.65 | 3,451.09 | 3,791.70 | 0.00 | 0.00 | 0.00 | |
| 12,400.00 | 90.00 | 90.35 | 7,850.00 | 2,465.03 | 3,551.09 | 3,890.39 | 0.00 | 0.00 | 0.00 | |
| 12,500.00 | 90.00 | 90.35 | 7,850.00 | 2,464.42 | 3,651.09 | 3,989.08 | 0.00 | 0.00 | 0.00 | |
| 12,600.00 | 90.00 | 90.35 | 7,850.00 | 2,463.80 | 3,751.09 | 4,087.77 | 0.00 | 0.00 | 0.00 | |
| 12,700.00 | 90.00 | 90.35 | 7,850.00 | 2,463.18 | 3,851.08 | 4,186.47 | 0.00 | 0.00 | 0.00 | |
| 12,800.00 | 90.00 | 90.35 | 7,850.00 | 2,462.56 | 3,951.08 | 4,285.16 | 0.00 | 0.00 | 0.00 | |
| 12,900.00 | 90.00 | 90.35 | 7,850.00 | 2,461.94 | 4,051.08 | 4,383.85 | 0.00 | 0.00 | 0.00 | |
| 13,000.00 | 90.00 | 90.35 | 7,850.00 | 2,461.32 | 4,151.08 | 4,482.54 | 0.00 | 0.00 | 0.00 | |
| 13,100.00 | 90.00 | 90.35 | 7,850.00 | 2,460.70 | 4,251.08 | 4,581.24 | 0.00 | 0.00 | 0.00 | |
| 13,200.00 | 90.00 | 90.35 | 7,850.00 | 2,460.09 | 4,351.07 | 4,679.93 | 0.00 | 0.00 | 0.00 | |
| 13,300.00 | 90.00 | 90.35 | 7,850.00 | 2,459.47 | 4,451.07 | 4,778.62 | 0.00 | 0.00 | 0.00 | |
| 13,400.00 | 90.00 | 90.35 | 7,850.00 | 2,458.85 | 4,551.07 | 4,877.31 | 0.00 | 0.00 | 0.00 | |
| 13,500.00 | 90.00 | 90.35 | 7,850.00 | 2,458.23 | 4,651.07 | 4,976.01 | 0.00 | 0.00 | 0.00 | |
| 13,600.00 | 90.00 | 90.35 | 7,850.00 | 2,457.61 | 4,751.07 | 5,074.70 | 0.00 | 0.00 | 0.00 | |
| 13,700.00 | 90.00 | 90.35 | 7,850.00 | 2,456.99 | 4,851.07 | 5,173.39 | 0.00 | 0.00 | 0.00 | |
| 13,800.00 | 90.00 | 90.35 | 7,850.00 | 2,456.37 | 4,951.06 | 5,272.08 | 0.00 | 0.00 | 0.00 | |
| 13,900.00 | 90.00 | 90.35 | 7,850.00 | 2,455.76 | 5,051.06 | 5,370.78 | 0.00 | 0.00 | 0.00 | |
| 14,000.00 | 90.00 | 90.35 | 7,850.00 | 2,455.14 | 5,151.06 | 5,469.47 | 0.00 | 0.00 | 0.00 | |
| 14,100.00 | 90.00 | 90.35 | 7,850.00 | 2,454.52 | 5,251.06 | 5,568.16 | 0.00 | 0.00 | 0.00 | |
| 14,200.00 | 90.00 | 90.35 | 7,850.00 | 2,453.90 | 5,351.06 | 5,666.85 | 0.00 | 0.00 | 0.00 | |
| 14,300.00 | 90.00 | 90.35 | 7,850.00 | 2,453.28 | 5,451.05 | 5,765.55 | 0.00 | 0.00 | 0.00 | |
| 14,400.00 | 90.00 | 90.35 | 7,850.00 | 2,452.66 | 5,551.05 | 5,864.24 | 0.00 | 0.00 | 0.00 | |
| 14,500.00 | 90.00 | 90.35 | 7,850.00 | 2,452.04 | 5,651.05 | 5,962.93 | 0.00 | 0.00 | 0.00 | |
| 14,600.00 | 90.00 | 90.35 | 7,850.00 | 2,451.43 | 5,751.05 | 6,061.62 | 0.00 | 0.00 | 0.00 | |
| 14,700.00 | 90.00 | 90.35 | 7,850.00 | 2,450.81 | 5,851.05 | 6,160.32 | 0.00 | 0.00 | 0.00 | |
| 14,800.00 | 90.00 | 90.35 | 7,850.00 | 2,450.19 | 5,951.04 | 6,259.01 | 0.00 | 0.00 | 0.00 | |
| 14,900.00 | 90.00 | 90.35 | 7,850.00 | 2,449.57 | 6,051.04 | 6,357.70 | 0.00 | 0.00 | 0.00 | |
| 15,000.00 | 90.00 | 90.35 | 7,850.00 | 2,448.95 | 6,151.04 | 6,456.39 | 0.00 | 0.00 | 0.00 | |
| 15,100.00 | 90.00 | 90.35 | 7,850.00 | 2,448.33 | 6,251.04 | 6,555.09 | 0.00 | 0.00 | 0.00 | |
| 15,200.00 | 90.00 | 90.35 | 7,850.00 | 2,447.71 | 6,351.04 | 6,653.78 | 0.00 | 0.00 | 0.00 | |
| 15,300.00 | 90.00 | 90.35 | 7,850.00 | 2,447.10 | 6,451.03 | 6,752.47 | 0.00 | 0.00 | 0.00 | |
| 15,400.00 | 90.00 | 90.35 | 7,850.00 | 2,446.48 | 6,551.03 | 6,851.16 | 0.00 | 0.00 | 0.00 | |
| 15,500.00 | 90.00 | 90.35 | 7,850.00 | 2,445.86 | 6,651.03 | 6,949.86 | 0.00 | 0.00 | 0.00 | |
| 15,600.00 | 90.00 | 90.35 | 7,850.00 | 2,445.24 | 6,751.03 | 7,048.55 | 0.00 | 0.00 | 0.00 | |
| 15,700.00 | 90.00 | 90.35 | 7,850.00 | 2,444.62 | 6,851.03 | 7,147.24 | 0.00 | 0.00 | 0.00 | |
| 15,800.00 | 90.00 | 90.35 | 7,850.00 | 2,444.00 | 6,951.03 | 7,245.93 | 0.00 | 0.00 | 0.00 | |
| 15,900.00 | 90.00 | 90.35 | 7,850.00 | 2,443.38 | 7,051.02 | 7,344.63 | 0.00 | 0.00 | 0.00 | |
| 16,000.00 | 90.00 | 90.35 | 7,850.00 | 2,442.77 | 7,151.02 | 7,443.32 | 0.00 | 0.00 | 0.00 | |
| 16,100.00 | 90.00 | 90.35 | 7,850.00 | 2,442.15 | 7,251.02 | 7,542.01 | 0.00 | 0.00 | 0.00 | |
| 16,200.00 | 90.00 | 90.35 | 7,850.00 | 2,441.53 | 7,351.02 | 7,640.70 | 0.00 | 0.00 | 0.00 | |
| 16,300.00 | 90.00 | 90.35 | 7,850.00 | 2,440.91 | 7,451.02 | 7,739.40 | 0.00 | 0.00 | 0.00 | |
| 16,400.00 | 90.00 | 90.35 | 7,850.00 | 2,440.29 | 7,551.01 | 7,838.09 | 0.00 | 0.00 | 0.00 | |
| 16,500.00 | 90.00 | 90.35 | 7,850.00 | 2,439.67 | 7,651.01 | 7,936.78 | 0.00 | 0.00 | 0.00 | |
| 16,600.00 | 90.00 | 90.35 | 7,850.00 | 2,439.05 | 7,751.01 | 8,035.47 | 0.00 | 0.00 | 0.00 | |
| 16,700.00 | 90.00 | 90.35 | 7,850.00 | 2,438.44 | 7,851.01 | 8,134.17 | 0.00 | 0.00 | 0.00 | |
| 16,800.00 | 90.00 | 90.35 | 7,850.00 | 2,437.82 | 7,951.01 | 8,232.86 | 0.00 | 0.00 | 0.00 | |

Planning Report

| | | | |
|------------------|------------------------------|-------------------------------------|-----------------------------------|
| Database: | EDT_32Bit_ODBC | Local Co-ordinate Reference: | Well PROSPER FARMS 4-65 2-1-6 1BH |
| Company: | CRESTONE PEAK RESOURCES | TVD Reference: | KB 25' @ 5656.21usft |
| Project: | ARAPAHOE COUNTY | MD Reference: | KB 25' @ 5656.21usft |
| Site: | SEC 2-T4S-R65W | North Reference: | True |
| Well: | PROSPER FARMS 4-65 2-1-6 1BH | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OWB | | |
| Design: | PROPOSAL 1 | | |

| Planned Survey | | | | | | | | | |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-----------------------|----------------------|---------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 16,900.00 | 90.00 | 90.35 | 7,850.00 | 2,437.20 | 8,051.00 | 8,331.55 | 0.00 | 0.00 | 0.00 |
| 17,000.00 | 90.00 | 90.35 | 7,850.00 | 2,436.58 | 8,151.00 | 8,430.24 | 0.00 | 0.00 | 0.00 |
| 17,100.00 | 90.00 | 90.35 | 7,850.00 | 2,435.96 | 8,251.00 | 8,528.94 | 0.00 | 0.00 | 0.00 |
| 17,200.00 | 90.00 | 90.35 | 7,850.00 | 2,435.34 | 8,351.00 | 8,627.63 | 0.00 | 0.00 | 0.00 |
| 17,300.00 | 90.00 | 90.35 | 7,850.00 | 2,434.72 | 8,451.00 | 8,726.32 | 0.00 | 0.00 | 0.00 |
| 17,400.00 | 90.00 | 90.35 | 7,850.00 | 2,434.10 | 8,550.99 | 8,825.02 | 0.00 | 0.00 | 0.00 |
| 17,500.00 | 90.00 | 90.35 | 7,850.00 | 2,433.49 | 8,650.99 | 8,923.71 | 0.00 | 0.00 | 0.00 |
| 17,600.00 | 90.00 | 90.35 | 7,850.00 | 2,432.87 | 8,750.99 | 9,022.40 | 0.00 | 0.00 | 0.00 |
| 17,700.00 | 90.00 | 90.35 | 7,850.00 | 2,432.25 | 8,850.99 | 9,121.09 | 0.00 | 0.00 | 0.00 |
| 17,800.00 | 90.00 | 90.35 | 7,850.00 | 2,431.63 | 8,950.99 | 9,219.79 | 0.00 | 0.00 | 0.00 |
| 17,900.00 | 90.00 | 90.35 | 7,850.00 | 2,431.01 | 9,050.98 | 9,318.48 | 0.00 | 0.00 | 0.00 |
| 18,000.00 | 90.00 | 90.35 | 7,850.00 | 2,430.39 | 9,150.98 | 9,417.17 | 0.00 | 0.00 | 0.00 |
| 18,100.00 | 90.00 | 90.35 | 7,850.00 | 2,429.77 | 9,250.98 | 9,515.86 | 0.00 | 0.00 | 0.00 |
| 18,200.00 | 90.00 | 90.35 | 7,850.00 | 2,429.16 | 9,350.98 | 9,614.56 | 0.00 | 0.00 | 0.00 |
| 18,300.00 | 90.00 | 90.35 | 7,850.00 | 2,428.54 | 9,450.98 | 9,713.25 | 0.00 | 0.00 | 0.00 |
| 18,400.00 | 90.00 | 90.35 | 7,850.00 | 2,427.92 | 9,550.98 | 9,811.94 | 0.00 | 0.00 | 0.00 |
| 18,500.00 | 90.00 | 90.35 | 7,850.00 | 2,427.30 | 9,650.97 | 9,910.63 | 0.00 | 0.00 | 0.00 |
| 18,600.00 | 90.00 | 90.35 | 7,850.00 | 2,426.68 | 9,750.97 | 10,009.33 | 0.00 | 0.00 | 0.00 |
| 18,700.00 | 90.00 | 90.35 | 7,850.00 | 2,426.06 | 9,850.97 | 10,108.02 | 0.00 | 0.00 | 0.00 |
| 18,800.00 | 90.00 | 90.35 | 7,850.00 | 2,425.44 | 9,950.97 | 10,206.71 | 0.00 | 0.00 | 0.00 |
| 18,900.00 | 90.00 | 90.35 | 7,850.00 | 2,424.83 | 10,050.97 | 10,305.40 | 0.00 | 0.00 | 0.00 |
| 19,000.00 | 90.00 | 90.35 | 7,850.00 | 2,424.21 | 10,150.96 | 10,404.10 | 0.00 | 0.00 | 0.00 |
| 19,100.00 | 90.00 | 90.35 | 7,850.00 | 2,423.59 | 10,250.96 | 10,502.79 | 0.00 | 0.00 | 0.00 |
| 19,200.00 | 90.00 | 90.35 | 7,850.00 | 2,422.97 | 10,350.96 | 10,601.48 | 0.00 | 0.00 | 0.00 |
| 19,300.00 | 90.00 | 90.35 | 7,850.00 | 2,422.35 | 10,450.96 | 10,700.17 | 0.00 | 0.00 | 0.00 |
| 19,400.00 | 90.00 | 90.35 | 7,850.00 | 2,421.73 | 10,550.96 | 10,798.87 | 0.00 | 0.00 | 0.00 |
| 19,500.00 | 90.00 | 90.35 | 7,850.00 | 2,421.11 | 10,650.95 | 10,897.56 | 0.00 | 0.00 | 0.00 |
| 19,600.00 | 90.00 | 90.35 | 7,850.00 | 2,420.50 | 10,750.95 | 10,996.25 | 0.00 | 0.00 | 0.00 |
| 19,700.00 | 90.00 | 90.35 | 7,850.00 | 2,419.88 | 10,850.95 | 11,094.94 | 0.00 | 0.00 | 0.00 |
| 19,800.00 | 90.00 | 90.35 | 7,850.00 | 2,419.26 | 10,950.95 | 11,193.64 | 0.00 | 0.00 | 0.00 |
| 19,900.00 | 90.00 | 90.35 | 7,850.00 | 2,418.64 | 11,050.95 | 11,292.33 | 0.00 | 0.00 | 0.00 |
| 20,000.00 | 90.00 | 90.35 | 7,850.00 | 2,418.02 | 11,150.94 | 11,391.02 | 0.00 | 0.00 | 0.00 |
| 20,100.00 | 90.00 | 90.35 | 7,850.00 | 2,417.40 | 11,250.94 | 11,489.71 | 0.00 | 0.00 | 0.00 |
| 20,200.00 | 90.00 | 90.35 | 7,850.00 | 2,416.78 | 11,350.94 | 11,588.41 | 0.00 | 0.00 | 0.00 |
| 20,300.00 | 90.00 | 90.35 | 7,850.00 | 2,416.17 | 11,450.94 | 11,687.10 | 0.00 | 0.00 | 0.00 |
| 20,400.00 | 90.00 | 90.35 | 7,850.00 | 2,415.55 | 11,550.94 | 11,785.79 | 0.00 | 0.00 | 0.00 |
| 20,500.00 | 90.00 | 90.35 | 7,850.00 | 2,414.93 | 11,650.94 | 11,884.48 | 0.00 | 0.00 | 0.00 |
| 20,600.00 | 90.00 | 90.35 | 7,850.00 | 2,414.31 | 11,750.93 | 11,983.18 | 0.00 | 0.00 | 0.00 |
| 20,700.00 | 90.00 | 90.35 | 7,850.00 | 2,413.69 | 11,850.93 | 12,081.87 | 0.00 | 0.00 | 0.00 |
| 20,800.00 | 90.00 | 90.35 | 7,850.00 | 2,413.07 | 11,950.93 | 12,180.56 | 0.00 | 0.00 | 0.00 |
| 20,900.00 | 90.00 | 90.35 | 7,850.00 | 2,412.45 | 12,050.93 | 12,279.25 | 0.00 | 0.00 | 0.00 |
| 21,000.00 | 90.00 | 90.35 | 7,850.00 | 2,411.84 | 12,150.93 | 12,377.95 | 0.00 | 0.00 | 0.00 |
| 21,100.00 | 90.00 | 90.35 | 7,850.00 | 2,411.22 | 12,250.92 | 12,476.64 | 0.00 | 0.00 | 0.00 |
| 21,200.00 | 90.00 | 90.35 | 7,850.00 | 2,410.60 | 12,350.92 | 12,575.33 | 0.00 | 0.00 | 0.00 |
| 21,300.00 | 90.00 | 90.35 | 7,850.00 | 2,409.98 | 12,450.92 | 12,674.02 | 0.00 | 0.00 | 0.00 |
| 21,400.00 | 90.00 | 90.35 | 7,850.00 | 2,409.36 | 12,550.92 | 12,772.72 | 0.00 | 0.00 | 0.00 |
| 21,500.00 | 90.00 | 90.35 | 7,850.00 | 2,408.74 | 12,650.92 | 12,871.41 | 0.00 | 0.00 | 0.00 |
| 21,600.00 | 90.00 | 90.35 | 7,850.00 | 2,408.12 | 12,750.91 | 12,970.10 | 0.00 | 0.00 | 0.00 |
| 21,700.00 | 90.00 | 90.35 | 7,850.00 | 2,407.51 | 12,850.91 | 13,068.79 | 0.00 | 0.00 | 0.00 |
| 21,800.00 | 90.00 | 90.35 | 7,850.00 | 2,406.89 | 12,950.91 | 13,167.49 | 0.00 | 0.00 | 0.00 |
| 21,900.00 | 90.00 | 90.35 | 7,850.00 | 2,406.27 | 13,050.91 | 13,266.18 | 0.00 | 0.00 | 0.00 |
| 22,000.00 | 90.00 | 90.35 | 7,850.00 | 2,405.65 | 13,150.91 | 13,364.87 | 0.00 | 0.00 | 0.00 |
| 22,100.00 | 90.00 | 90.35 | 7,850.00 | 2,405.03 | 13,250.90 | 13,463.56 | 0.00 | 0.00 | 0.00 |
| 22,200.00 | 90.00 | 90.35 | 7,850.00 | 2,404.41 | 13,350.90 | 13,562.26 | 0.00 | 0.00 | 0.00 |

Planning Report

| | | | |
|------------------|------------------------------|-------------------------------------|-----------------------------------|
| Database: | EDT_32Bit_ODBC | Local Co-ordinate Reference: | Well PROSPER FARMS 4-65 2-1-6 1BH |
| Company: | CRESTONE PEAK RESOURCES | TVD Reference: | KB 25' @ 5656.21usft |
| Project: | ARAPAHOE COUNTY | MD Reference: | KB 25' @ 5656.21usft |
| Site: | SEC 2-T4S-R65W | North Reference: | True |
| Well: | PROSPER FARMS 4-65 2-1-6 1BH | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OWB | | |
| Design: | PROPOSAL 1 | | |

| Planned Survey | | | | | | | | | | |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-----------------------|----------------------|---------------------|--|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | |
| 22,300.00 | 90.00 | 90.35 | 7,850.00 | 2,403.79 | 13,450.90 | 13,660.95 | 0.00 | 0.00 | 0.00 | |
| 22,400.00 | 90.00 | 90.35 | 7,850.00 | 2,403.18 | 13,550.90 | 13,759.64 | 0.00 | 0.00 | 0.00 | |
| 22,500.00 | 90.00 | 90.35 | 7,850.00 | 2,402.56 | 13,650.90 | 13,858.33 | 0.00 | 0.00 | 0.00 | |
| 22,600.00 | 90.00 | 90.35 | 7,850.00 | 2,401.94 | 13,750.90 | 13,957.03 | 0.00 | 0.00 | 0.00 | |
| 22,700.00 | 90.00 | 90.35 | 7,850.00 | 2,401.32 | 13,850.89 | 14,055.72 | 0.00 | 0.00 | 0.00 | |
| 22,800.00 | 90.00 | 90.35 | 7,850.00 | 2,400.70 | 13,950.89 | 14,154.41 | 0.00 | 0.00 | 0.00 | |
| 22,900.00 | 90.00 | 90.35 | 7,850.00 | 2,400.08 | 14,050.89 | 14,253.10 | 0.00 | 0.00 | 0.00 | |
| 23,000.00 | 90.00 | 90.35 | 7,850.00 | 2,399.46 | 14,150.89 | 14,351.80 | 0.00 | 0.00 | 0.00 | |
| 23,100.00 | 90.00 | 90.35 | 7,850.00 | 2,398.84 | 14,250.89 | 14,450.49 | 0.00 | 0.00 | 0.00 | |
| 23,200.00 | 90.00 | 90.35 | 7,850.00 | 2,398.23 | 14,350.88 | 14,549.18 | 0.00 | 0.00 | 0.00 | |
| 23,300.00 | 90.00 | 90.35 | 7,850.00 | 2,397.61 | 14,450.88 | 14,647.87 | 0.00 | 0.00 | 0.00 | |
| 23,400.00 | 90.00 | 90.35 | 7,850.00 | 2,396.99 | 14,550.88 | 14,746.57 | 0.00 | 0.00 | 0.00 | |
| 23,500.00 | 90.00 | 90.35 | 7,850.00 | 2,396.37 | 14,650.88 | 14,845.26 | 0.00 | 0.00 | 0.00 | |
| 23,600.00 | 90.00 | 90.35 | 7,850.00 | 2,395.75 | 14,750.88 | 14,943.95 | 0.00 | 0.00 | 0.00 | |
| 23,700.00 | 90.00 | 90.35 | 7,850.00 | 2,395.13 | 14,850.87 | 15,042.64 | 0.00 | 0.00 | 0.00 | |
| 23,800.00 | 90.00 | 90.35 | 7,850.00 | 2,394.51 | 14,950.87 | 15,141.34 | 0.00 | 0.00 | 0.00 | |
| 23,900.00 | 90.00 | 90.35 | 7,850.00 | 2,393.90 | 15,050.87 | 15,240.03 | 0.00 | 0.00 | 0.00 | |
| 24,000.00 | 90.00 | 90.35 | 7,850.00 | 2,393.28 | 15,150.87 | 15,338.72 | 0.00 | 0.00 | 0.00 | |
| 24,092.24 | 90.00 | 90.35 | 7,850.00 | 2,392.71 | 15,243.10 | 15,429.75 | 0.00 | 0.00 | 0.00 | |
| TD at 24092.23 | | | | | | | | | | |

| Design Targets | | | | | | | | | |
|--|---------------|--------------|------------|--------------|--------------|-----------------|----------------|-------------|--------------|
| Target Name - hit/miss target - Shape | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
| LP-PROSPER FARMS 4 - plan hits target center - Point | 0.00 | 0.00 | 7,850.00 | 2,488.33 | -215.43 | 1,694,327.22 | 3,241,994.47 | 39.736586°N | 104.639519°W |
| PBHL-PROSPER FARM - plan hits target center - Point | 0.00 | 0.00 | 7,850.00 | 2,392.71 | 15,243.10 | 1,694,378.15 | 3,257,453.15 | 39.736311°N | 104.584553°W |

Planning Report

| | | | |
|------------------|------------------------------|-------------------------------------|-----------------------------------|
| Database: | EDT_32Bit_ODBC | Local Co-ordinate Reference: | Well PROSPER FARMS 4-65 2-1-6 1BH |
| Company: | CRESTONE PEAK RESOURCES | TVD Reference: | KB 25' @ 5656.21usft |
| Project: | ARAPAHOE COUNTY | MD Reference: | KB 25' @ 5656.21usft |
| Site: | SEC 2-T4S-R65W | North Reference: | True |
| Well: | PROSPER FARMS 4-65 2-1-6 1BH | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OWB | | |
| Design: | PROPOSAL 1 | | |

| Formations | | | | | | |
|-----------------------|-----------------------|-------------------------------|-----------|---------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 24.00 | 24.00 | Denver | | | | |
| 666.05 | 664.00 | Arapahoe | | | | |
| 1,263.08 | 1,239.00 | Laramie-Fox Hills Formation | | | | |
| 2,009.29 | 1,939.00 | Pierre Formation | | | | |
| 2,499.65 | 2,399.00 | Upper Pierre aquifer | | | | |
| 3,213.88 | 3,069.00 | Base of Upper Pierre aquifer | | | | |
| 4,381.16 | 4,164.00 | Larimer ("Parkman") sandstone | | | | |
| 4,503.75 | 4,279.00 | Pierre Formation | | | | |
| 5,580.42 | 5,289.00 | Terry ("Sussex") sandstone | | | | |
| 5,697.68 | 5,399.00 | Pierre Formation | | | | |
| 6,358.61 | 6,019.00 | Hygiene ("Shannon") sandstone | | | | |
| 6,785.02 | 6,419.00 | Pierre Formation | | | | |
| 8,045.13 | 7,589.00 | Sharon Springs Member | | | | |
| 8,136.56 | 7,659.00 | Niobrara Formation | | | | |

| 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 | Start Build 2.00 | |
| 1,213.45 | 1,192.44 | 167.73 | -57.77 | Start 6454.02 hold at 1213.45 MD | |
| 7,667.47 | 7,246.81 | 2,281.70 | -785.88 | Start DLS 10.00 TFO 108.24 | |
| 8,633.41 | 7,850.00 | 2,488.33 | -215.43 | Start 15458.82 hold at 8633.41 MD | |
| 24,092.24 | 7,850.00 | 2,392.71 | 15,243.10 | TD at 24092.23 | |