

Project: COLORADO NORTHERN ZONE - 83
 Site: WELD_DACANO 6-2-9F PAD
 Well: DACONO 3-2
 Wellbore: OH
 Section: SECTION 2 T1N R68W
 SHL:
 Design: DACONO 3-2(wp01)
 Latitude: 40° 4' 55.625 N
 Longitude: 104° 58' 23.815 W
 GL: 5016.00
 KB: GL 5016' & KB 15' @ 5031.00ft (ASSUMED)

FORMATION TOP DETAILS

| TVDPPath | MDPath | Formation |
|----------|---------|-----------|
| 4115.00 | 4202.71 | PARKMAN |
| 4535.00 | 4633.59 | SUSSEX |
| 7449.00 | 7599.00 | NIOBRARA |
| 7738.00 | 7888.00 | CODELL |
| 7813.00 | 7963.00 | GREENHORN |
| 8180.00 | 8330.00 | J-SAND |



Azimuths to Grid North
 True North: -0.34°
 Magnetic North: 8.64°
 Magnetic Field
 Strength: 52965.5nT
 Dip Angle: 66.77°
 Date: 03/17/2011
 Model: IGRF2010

WELL DETAILS: DACONO 3-2

| +N/-S | +E/-W | Northing | Ground Level: Easting | 5016.00 Latitude | Longitude | Slot |
|-------|-------|------------|-----------------------|------------------|-------------------|------|
| 0.00 | 0.00 | 1273198.12 | 3147383.39 | 40° 4' 55.625 N | 104° 58' 23.815 W | |

CASING DETAILS

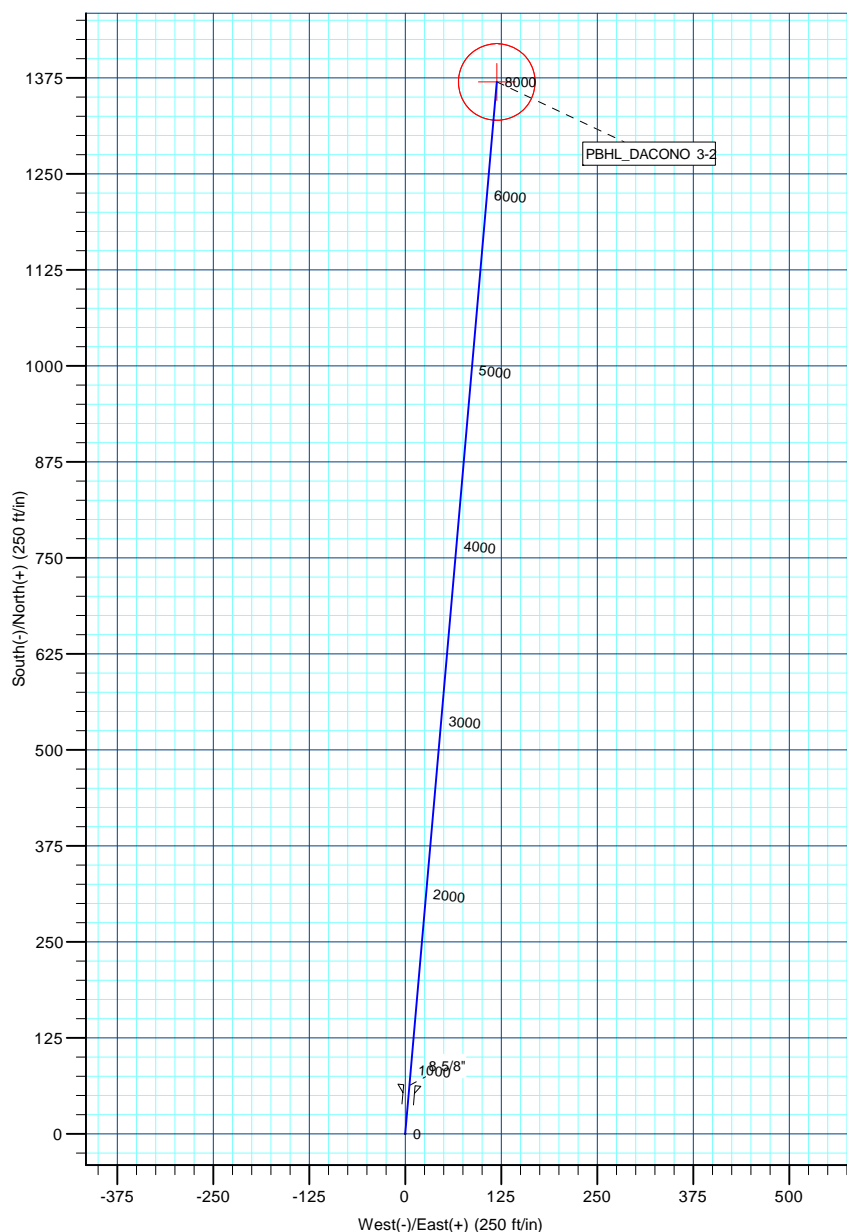
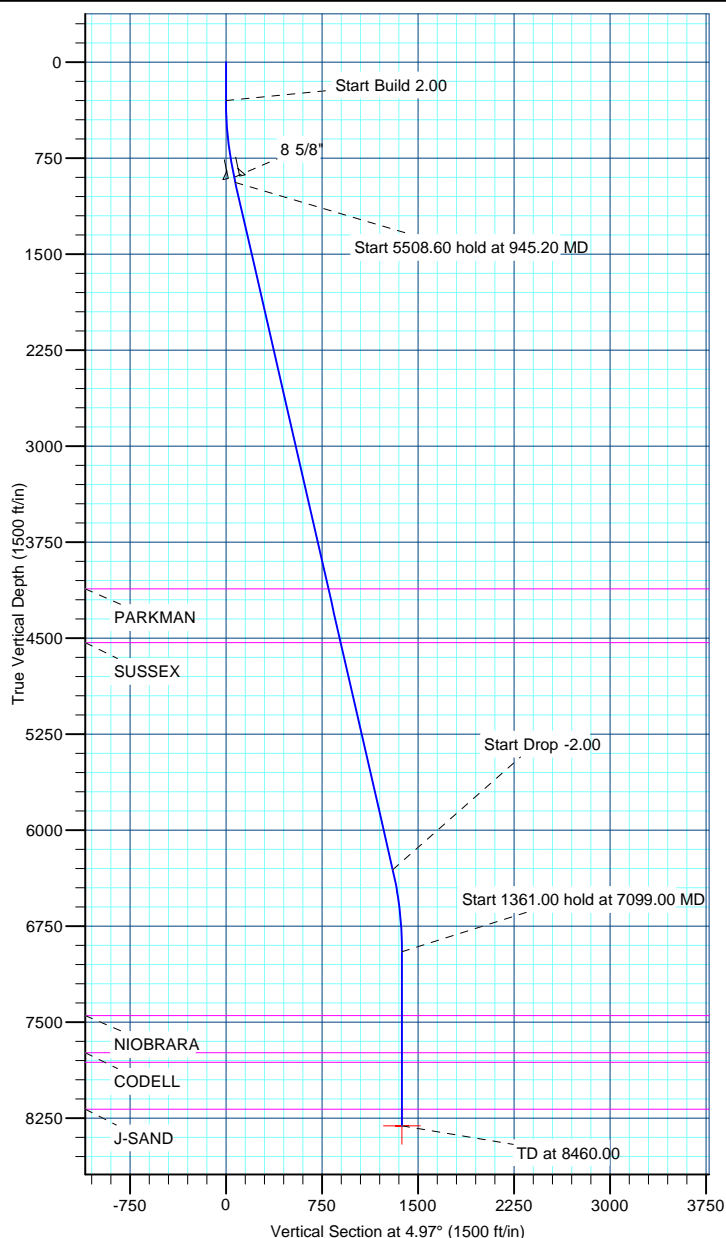
| TVD | MD | Name | Size |
|--------|--------|--------|-------|
| 900.00 | 904.48 | 8 5/8" | 8.625 |

DESIGN TARGET DETAILS

| Name | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Shape |
|-----------------|---------|---------|--------|------------|------------|----------------|-------------------|------------------------|
| PBHL_DACONO 3-2 | 8310.00 | 1369.69 | 119.18 | 1274567.81 | 3147502.57 | 40° 5' 9.154 N | 104° 58' 22.177 W | Circle (Radius: 50.00) |

SECTION DETAILS

| MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSect |
|---------|-------|------|---------|---------|--------|------|--------|---------|
| 0.00 | 0.00 | 0.00 | 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 |
| 945.20 | 12.90 | 4.97 | 939.76 | 72.08 | 6.27 | 2.00 | 4.97 | 72.35 |
| 6453.80 | 12.90 | 4.97 | 6309.24 | 1297.61 | 112.90 | 0.00 | 0.00 | 1302.52 |
| 7099.00 | 0.00 | 0.00 | 6949.00 | 1369.69 | 119.18 | 2.00 | 180.00 | 1374.86 |
| 8460.00 | 0.00 | 0.00 | 8310.00 | 1369.69 | 119.18 | 0.00 | 0.00 | 1374.86 |



US ROCKIES REGION PLANNING

**COLORADO NORTHERN ZONE - 83
WELD_DACANO 6-2-9F PAD
DACONO 3-2**

**OH
DACONO 3-2(wp01)**

Anticollision Report

17 March, 2011

| | | | |
|---------------------------|-----------------------------|-------------------------------------|---|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well DАCОNO 3-2 |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Reference Site: | WELD_DACANO 6-2-9F PAD | MD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Site Error: | 0.00 ft | North Reference: | Grid |
| Reference Well: | DACONO 3-2 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | OH | Database: | EDM5000-RobertS-Local |
| Reference Design: | DACONO 3-2(wp01) | Offset TVD Reference: | Offset Datum |

| | | | |
|-------------------------------------|---|-----------------------|---------------------|
| Reference | DACONO 3-2(wp01) | | |
| Filter type: | NO GLOBAL FILTER: Using user defined selection & filtering criteria | | |
| Interpolation Method: | MD Interval 100.00ft | Error Model: | ISCWSA |
| Depth Range: | 5,000.00 to 8,000.00ft | Scan Method: | Closest Approach 3D |
| Results Limited by: | Maximum center-center distance of 10,000.00 ft | Error Surface: | Elliptical Conic |
| Warning Levels Evaluated at: | 2.00 Sigma | Casing Method: | Not applied |

| | | | | |
|----------------------------|----------------|--------------------------|------------------|------------------------------|
| Survey Tool Program | Date | 03/17/2011 | | |
| From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description |
| 0.00 | 8,460.00 | DACONO 3-2(wp01) (OH) | SDI MWD | SDI MWD - Standard ver 1.0.1 |

| Summary | | | | | | |
|--|-------------------------------|----------------------------|-------------------------------|--------------------------------|-------------------|------------|
| Site Name | Reference Measured Depth (ft) | Offset Measured Depth (ft) | Distance Between Centres (ft) | Distance Between Ellipses (ft) | Separation Factor | Warning |
| Offset Well - Wellbore - Design | | | | | | |
| WELD_DACANO 6-2-9F PAD | | | | | | |
| Cosslett #1 - OH - Cosslett #1 | 5,396.46 | 5,208.09 | 289.77 | 264.08 | 11.280 | CC, ES |
| Cosslett #1 - OH - Cosslett #1 | 5,400.00 | 5,208.09 | 289.79 | 264.09 | 11.276 | SF |
| Cosslett B #2 - OH - Cosslett B #2 | 5,000.00 | 4,901.05 | 803.36 | 779.27 | 33.348 | CC, ES, SF |
| DACONO 21-2 - OH - DACONO 21-2(wp01) | 5,000.00 | 4,965.52 | 634.09 | 599.22 | 18.182 | CC, ES |
| DACONO 21-2 - OH - DACONO 21-2(wp01) | 8,000.00 | 7,934.07 | 875.31 | 823.74 | 16.972 | SF |
| DACONO 22-2 - OH - DACONO 22-2(wp01) | 5,000.00 | 4,775.85 | 1,474.62 | 1,449.64 | 59.026 | CC, ES |
| DACONO 22-2 - OH - DACONO 22-2(wp01) | 8,000.00 | 7,890.21 | 2,054.46 | 2,015.28 | 52.441 | SF |
| DACONO 28-2 - OH - DACONO 28-2(wp01) | 5,000.00 | 4,956.61 | 593.96 | 559.27 | 17.122 | CC, ES |
| DACONO 28-2 - OH - DACONO 28-2(wp01) | 8,000.00 | 8,212.49 | 845.16 | 794.30 | 16.617 | SF |
| DACONO 29-2 - OH - DACONO 29-2(wp01) | 5,000.00 | 4,954.64 | 627.87 | 589.55 | 16.387 | CC, ES |
| DACONO 29-2 - OH - DACONO 29-2(wp01) | 8,000.00 | 8,196.10 | 894.96 | 839.08 | 16.016 | SF |
| DACONO 30-2 - OH - DACONA 30-2(wp01) | 5,000.00 | 4,795.20 | 1,279.60 | 1,236.42 | 29.640 | CC, ES, SF |
| DACONO 31-2 - OH - DACONO 31-2(wp01) | 5,000.00 | 4,764.87 | 1,434.17 | 1,393.77 | 35.498 | CC, ES |
| DACONO 31-2 - OH - DACONO 31-2(wp01) | 8,000.00 | 8,162.24 | 2,044.97 | 1,984.03 | 33.558 | SF |
| DACONO 32-2 - OH - DACONO 32-2(wp01) | 5,000.00 | 4,566.55 | 1,915.32 | 1,882.67 | 58.673 | CC, ES |
| DACONO 32-2 - OH - DACONO 32-2(wp01) | 8,000.00 | 8,134.10 | 2,747.71 | 2,696.01 | 53.142 | SF |
| DACONO 4-2 - OH - DACONO 4-2(wp01) | 5,000.00 | 4,903.01 | 930.75 | 887.99 | 21.768 | CC, ES |
| DACONO 4-2 - OH - DACONO 4-2(wp01) | 8,000.00 | 8,121.42 | 1,320.11 | 1,257.41 | 21.054 | SF |
| DACONO 5-2 - OH - DACONO 5-2(wp01) | 5,000.00 | 4,811.85 | 1,337.47 | 1,304.70 | 40.815 | CC, ES |
| DACONO 5-2 - OH - DACONO 5-2(wp01) | 8,000.00 | 7,964.80 | 1,874.37 | 1,824.60 | 37.666 | SF |
| DACONO 6-2 - OH - DACONO 6-2(wp01) | 5,000.00 | 4,898.90 | 925.29 | 901.33 | 38.615 | CC, ES |
| DACONO 6-2 - OH - DACONO 6-2(wp01) | 8,000.00 | 7,856.74 | 1,320.17 | 1,282.98 | 35.502 | SF |
| Dacono Investments LTD # 2 - OH - Dacono Investments | 5,287.95 | 5,227.10 | 1,635.97 | 1,601.92 | 48.047 | CC |
| Dacono Investments LTD # 2 - OH - Dacono Investments | 5,300.00 | 5,227.10 | 1,636.01 | 1,601.91 | 47.971 | ES |
| Dacono Investments LTD # 2 - OH - Dacono Investments | 5,700.00 | 5,227.10 | 1,687.06 | 1,651.11 | 46.933 | SF |
| Dacono Investments LTD #1 - OH - Dacono Investments | 5,000.00 | 4,905.34 | 1,647.10 | 1,616.79 | 54.351 | CC, ES |
| Dacono Investments LTD #1 - OH - Dacono Investments | 5,500.00 | 5,222.10 | 1,710.99 | 1,678.08 | 51.993 | SF |
| Helen Grant Unit A #1 - OH - Helen Grant Unit A #1 | 5,000.00 | 4,887.22 | 839.95 | 808.03 | 26.312 | CC, ES |
| Helen Grant Unit A #1 - OH - Helen Grant Unit A #1 | 8,000.00 | 7,857.06 | 967.09 | 921.14 | 21.046 | SF |

| | | | |
|---------------------------|-----------------------------|-------------------------------------|---|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well DACONO 3-2 |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Reference Site: | WELD_DACANO 6-2-9F PAD | MD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Site Error: | 0.00 ft | North Reference: | Grid |
| Reference Well: | DACONO 3-2 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | OH | Database: | EDM5000-RobertS-Local |
| Reference Design: | DACONO 3-2(wp01) | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|--------------------|---------|
| Survey Program: 0-SDI MWD | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| WELD_DACANO 6-2-9F PAD - Cosslett #1 - OH - Cosslett #1 | | | | | | | | | | | | | |
| Reference | | | | Offset | | | Semi Major Axis | | Distance | | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | Warning |
| 5,000.00 | 4,892.16 | 4,873.61 | 4,870.73 | 21.09 | 11.17 | 2.88 | 1,330.17 | 133.55 | 359.54 | 335.70 | 23.84 | 15.082 | |
| 5,100.00 | 4,989.63 | 4,971.81 | 4,968.86 | 21.55 | 11.40 | 2.99 | 1,333.60 | 133.55 | 340.62 | 316.28 | 24.34 | 13.996 | |
| 5,200.00 | 5,087.11 | 5,070.00 | 5,066.99 | 22.02 | 11.63 | 3.11 | 1,337.03 | 133.55 | 321.70 | 296.87 | 24.83 | 12.954 | |
| 5,300.00 | 5,184.58 | 5,168.19 | 5,165.12 | 22.49 | 11.86 | 3.25 | 1,340.45 | 133.55 | 302.78 | 277.45 | 25.33 | 11.952 | |
| 5,396.46 | 5,278.60 | 5,208.09 | 5,205.00 | 22.94 | 11.95 | 3.31 | 1,341.85 | 133.55 | 289.77 | 264.08 | 25.69 | 11.280 CC, ES | |
| 5,400.00 | 5,282.06 | 5,208.09 | 5,205.00 | 22.96 | 11.95 | 3.31 | 1,341.85 | 133.55 | 289.79 | 264.09 | 25.70 | 11.276 SF | |
| 5,500.00 | 5,379.53 | 5,208.09 | 5,205.00 | 23.43 | 11.95 | 3.31 | 1,341.85 | 133.55 | 307.71 | 281.74 | 25.97 | 11.847 | |
| 5,600.00 | 5,477.01 | 5,208.09 | 5,205.00 | 23.89 | 11.95 | 3.31 | 1,341.85 | 133.55 | 354.11 | 327.86 | 26.25 | 13.490 | |
| 5,700.00 | 5,574.48 | 5,208.09 | 5,205.00 | 24.36 | 11.95 | 3.31 | 1,341.85 | 133.55 | 419.65 | 393.12 | 26.53 | 15.820 | |
| 5,800.00 | 5,671.96 | 5,208.09 | 5,205.00 | 24.83 | 11.95 | 3.31 | 1,341.85 | 133.55 | 496.80 | 470.00 | 26.80 | 18.536 | |
| 5,900.00 | 5,769.43 | 5,208.09 | 5,205.00 | 25.30 | 11.95 | 3.31 | 1,341.85 | 133.55 | 580.97 | 553.89 | 27.08 | 21.455 | |
| 6,000.00 | 5,866.90 | 5,208.09 | 5,205.00 | 25.76 | 11.95 | 3.31 | 1,341.85 | 133.55 | 669.50 | 642.15 | 27.35 | 24.475 | |
| 6,100.00 | 5,964.38 | 5,208.09 | 5,205.00 | 26.23 | 11.95 | 3.31 | 1,341.85 | 133.55 | 760.88 | 733.25 | 27.63 | 27.538 | |
| 6,200.00 | 6,061.85 | 5,208.09 | 5,205.00 | 26.70 | 11.95 | 3.31 | 1,341.85 | 133.55 | 854.19 | 826.29 | 27.91 | 30.610 | |
| 6,300.00 | 6,159.33 | 5,208.09 | 5,205.00 | 27.17 | 11.95 | 3.31 | 1,341.85 | 133.55 | 948.87 | 920.69 | 28.18 | 33.670 | |
| 6,400.00 | 6,256.80 | 5,208.09 | 5,205.00 | 27.64 | 11.95 | 3.31 | 1,341.85 | 133.55 | 1,044.54 | 1,016.08 | 28.46 | 36.705 | |
| 6,500.00 | 6,354.36 | 5,208.09 | 5,205.00 | 28.08 | 11.95 | 3.52 | 1,341.85 | 133.55 | 1,141.05 | 1,112.29 | 28.76 | 39.676 | |
| 6,600.00 | 6,452.52 | 5,208.09 | 5,205.00 | 28.40 | 11.95 | 4.14 | 1,341.85 | 133.55 | 1,238.75 | 1,209.71 | 29.04 | 42.653 | |
| 6,700.00 | 6,551.29 | 5,208.09 | 5,205.00 | 28.69 | 11.95 | 5.12 | 1,341.85 | 133.55 | 1,337.40 | 1,308.09 | 29.30 | 45.640 | |
| 6,800.00 | 6,650.55 | 5,208.09 | 5,205.00 | 28.94 | 11.95 | 6.87 | 1,341.85 | 133.55 | 1,436.68 | 1,407.11 | 29.58 | 48.573 | |
| 6,900.00 | 6,750.16 | 5,208.09 | 5,205.00 | 29.14 | 11.95 | 10.88 | 1,341.85 | 133.55 | 1,536.38 | 1,506.34 | 30.04 | 51.152 | |
| 7,000.00 | 6,850.02 | 5,208.09 | 5,205.00 | 29.30 | 11.95 | 27.79 | 1,341.85 | 133.55 | 1,636.30 | 1,603.61 | 32.69 | 50.060 | |
| 7,100.00 | 6,950.00 | 5,208.09 | 5,205.00 | 29.42 | 11.95 | 152.69 | 1,341.85 | 133.55 | 1,736.29 | 1,702.74 | 33.54 | 51.762 | |
| 7,200.00 | 7,050.00 | 5,208.09 | 5,205.00 | 29.53 | 11.95 | 152.69 | 1,341.85 | 133.55 | 1,836.27 | 1,802.58 | 33.69 | 54.497 | |
| 7,300.00 | 7,150.00 | 5,208.09 | 5,205.00 | 29.64 | 11.95 | 152.69 | 1,341.85 | 133.55 | 1,936.26 | 1,902.41 | 33.85 | 57.205 | |
| 7,400.00 | 7,250.00 | 5,208.09 | 5,205.00 | 29.75 | 11.95 | 152.69 | 1,341.85 | 133.55 | 2,036.24 | 2,002.24 | 34.00 | 59.887 | |
| 7,500.00 | 7,350.00 | 5,208.09 | 5,205.00 | 29.87 | 11.95 | 152.69 | 1,341.85 | 133.55 | 2,136.23 | 2,102.08 | 34.16 | 62.542 | |
| 7,600.00 | 7,450.00 | 5,208.09 | 5,205.00 | 29.98 | 11.95 | 152.69 | 1,341.85 | 133.55 | 2,236.22 | 2,201.91 | 34.31 | 65.171 | |
| 7,700.00 | 7,550.00 | 5,208.09 | 5,205.00 | 30.10 | 11.95 | 152.69 | 1,341.85 | 133.55 | 2,336.21 | 2,301.74 | 34.47 | 67.775 | |
| 7,800.00 | 7,650.00 | 5,208.09 | 5,205.00 | 30.21 | 11.95 | 152.69 | 1,341.85 | 133.55 | 2,436.20 | 2,401.58 | 34.63 | 70.352 | |
| 7,900.00 | 7,750.00 | 5,208.09 | 5,205.00 | 30.33 | 11.95 | 152.69 | 1,341.85 | 133.55 | 2,536.20 | 2,501.41 | 34.79 | 72.903 | |
| 8,000.00 | 7,850.00 | 5,208.09 | 5,205.00 | 30.45 | 11.95 | 152.69 | 1,341.85 | 133.55 | 2,636.19 | 2,601.24 | 34.95 | 75.429 | |

| | | | |
|---------------------------|-----------------------------|-------------------------------------|---|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well DACONO 3-2 |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Reference Site: | WELD_DACANO 6-2-9F PAD | MD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Site Error: | 0.00 ft | North Reference: | Grid |
| Reference Well: | DACONO 3-2 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | OH | Database: | EDM5000-RobertS-Local |
| Reference Design: | DACONO 3-2(wp01) | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|---------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-SDI MWD | | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 5,000.00 | 4,892.16 | 4,901.05 | 4,898.15 | 21.09 | 11.24 | 171.51 | 172.69 | 132.05 | 803.36 | 779.27 | 24.09 | 33.348 | CC, ES, SF | |
| 5,100.00 | 4,989.63 | 4,999.24 | 4,996.28 | 21.55 | 11.47 | 171.72 | 176.12 | 132.05 | 822.05 | 797.48 | 24.58 | 33.446 | | |
| 5,200.00 | 5,087.11 | 5,097.43 | 5,094.41 | 22.02 | 11.69 | 171.93 | 179.55 | 132.05 | 840.76 | 815.69 | 25.07 | 33.541 | | |
| 5,300.00 | 5,184.58 | 5,195.63 | 5,192.54 | 22.49 | 11.92 | 172.12 | 182.97 | 132.05 | 859.47 | 833.91 | 25.56 | 33.632 | | |
| 5,400.00 | 5,282.06 | 5,293.82 | 5,290.67 | 22.96 | 12.15 | 172.31 | 186.40 | 132.05 | 878.19 | 852.15 | 26.04 | 33.719 | | |
| 5,500.00 | 5,379.53 | 5,343.17 | 5,340.00 | 23.43 | 12.26 | 172.40 | 188.12 | 132.05 | 898.25 | 871.82 | 26.43 | 33.987 | | |
| 5,600.00 | 5,477.01 | 5,343.17 | 5,340.00 | 23.89 | 12.26 | 172.40 | 188.12 | 132.05 | 927.39 | 900.68 | 26.71 | 34.723 | | |
| 5,700.00 | 5,574.48 | 5,343.17 | 5,340.00 | 24.36 | 12.26 | 172.40 | 188.12 | 132.05 | 966.05 | 939.06 | 26.99 | 35.796 | | |
| 5,800.00 | 5,671.96 | 5,343.17 | 5,340.00 | 24.83 | 12.26 | 172.40 | 188.12 | 132.05 | 1,013.14 | 985.87 | 27.27 | 37.157 | | |
| 5,900.00 | 5,769.43 | 5,343.17 | 5,340.00 | 25.30 | 12.26 | 172.40 | 188.12 | 132.05 | 1,067.54 | 1,039.99 | 27.55 | 38.755 | | |
| 6,000.00 | 5,866.90 | 5,343.17 | 5,340.00 | 25.76 | 12.26 | 172.40 | 188.12 | 132.05 | 1,128.20 | 1,100.38 | 27.83 | 40.546 | | |
| 6,100.00 | 5,964.38 | 5,343.17 | 5,340.00 | 26.23 | 12.26 | 172.40 | 188.12 | 132.05 | 1,194.17 | 1,166.06 | 28.10 | 42.490 | | |
| 6,200.00 | 6,061.85 | 5,343.17 | 5,340.00 | 26.70 | 12.26 | 172.40 | 188.12 | 132.05 | 1,264.61 | 1,236.22 | 28.38 | 44.554 | | |
| 6,300.00 | 6,159.33 | 5,343.17 | 5,340.00 | 27.17 | 12.26 | 172.40 | 188.12 | 132.05 | 1,338.82 | 1,310.15 | 28.66 | 46.708 | | |
| 6,400.00 | 6,256.80 | 5,343.17 | 5,340.00 | 27.64 | 12.26 | 172.40 | 188.12 | 132.05 | 1,416.20 | 1,387.26 | 28.94 | 48.931 | | |
| 6,500.00 | 6,354.36 | 5,343.17 | 5,340.00 | 28.08 | 12.26 | 172.57 | 188.12 | 132.05 | 1,496.05 | 1,466.82 | 29.23 | 51.182 | | |
| 6,600.00 | 6,452.52 | 5,343.17 | 5,340.00 | 28.40 | 12.26 | 172.91 | 188.12 | 132.05 | 1,576.52 | 1,547.05 | 29.47 | 53.493 | | |
| 6,700.00 | 6,551.29 | 5,343.17 | 5,340.00 | 28.69 | 12.26 | 173.24 | 188.12 | 132.05 | 1,657.17 | 1,627.49 | 29.67 | 55.849 | | |
| 6,800.00 | 6,650.55 | 5,343.17 | 5,340.00 | 28.94 | 12.26 | 173.55 | 188.12 | 132.05 | 1,737.87 | 1,708.04 | 29.83 | 58.256 | | |
| 6,900.00 | 6,750.16 | 5,343.17 | 5,340.00 | 29.14 | 12.26 | 173.85 | 188.12 | 132.05 | 1,818.53 | 1,788.58 | 29.95 | 60.722 | | |
| 7,000.00 | 6,850.02 | 5,343.17 | 5,340.00 | 29.30 | 12.26 | 174.14 | 188.12 | 132.05 | 1,899.07 | 1,869.04 | 30.02 | 63.254 | | |
| 7,100.00 | 6,950.00 | 5,343.17 | 5,340.00 | 29.42 | 12.26 | 179.38 | 188.12 | 132.05 | 1,979.40 | 1,949.34 | 30.06 | 65.854 | | |
| 7,200.00 | 7,050.00 | 5,343.17 | 5,340.00 | 29.53 | 12.26 | 179.38 | 188.12 | 132.05 | 2,060.49 | 2,030.25 | 30.24 | 68.135 | | |
| 7,300.00 | 7,150.00 | 5,343.17 | 5,340.00 | 29.64 | 12.26 | 179.38 | 188.12 | 132.05 | 2,143.18 | 2,112.75 | 30.43 | 70.438 | | |
| 7,400.00 | 7,250.00 | 5,343.17 | 5,340.00 | 29.75 | 12.26 | 179.38 | 188.12 | 132.05 | 2,227.29 | 2,196.68 | 30.61 | 72.758 | | |
| 7,500.00 | 7,350.00 | 5,343.17 | 5,340.00 | 29.87 | 12.26 | 179.38 | 188.12 | 132.05 | 2,312.66 | 2,281.87 | 30.80 | 75.088 | | |
| 7,600.00 | 7,450.00 | 5,343.17 | 5,340.00 | 29.98 | 12.26 | 179.38 | 188.12 | 132.05 | 2,399.17 | 2,368.18 | 30.99 | 77.425 | | |
| 7,700.00 | 7,550.00 | 5,343.17 | 5,340.00 | 30.10 | 12.26 | 179.38 | 188.12 | 132.05 | 2,486.69 | 2,455.51 | 31.18 | 79.765 | | |
| 7,800.00 | 7,650.00 | 5,343.17 | 5,340.00 | 30.21 | 12.26 | 179.38 | 188.12 | 132.05 | 2,575.12 | 2,543.75 | 31.36 | 82.103 | | |
| 7,900.00 | 7,750.00 | 5,343.17 | 5,340.00 | 30.33 | 12.26 | 179.38 | 188.12 | 132.05 | 2,664.36 | 2,632.81 | 31.55 | 84.437 | | |
| 8,000.00 | 7,850.00 | 5,343.17 | 5,340.00 | 30.45 | 12.26 | 179.38 | 188.12 | 132.05 | 2,754.35 | 2,722.60 | 31.75 | 86.765 | | |

| | | | |
|---------------------------|-----------------------------|-------------------------------------|---|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well DACONO 3-2 |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Reference Site: | WELD_DACANO 6-2-9F PAD | MD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Site Error: | 0.00 ft | North Reference: | Grid |
| Reference Well: | DACONO 3-2 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | OH | Database: | EDM5000-RobertS-Local |
| Reference Design: | DACONO 3-2(wp01) | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|---------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|--------------------|---------|
| Survey Program: 0-SDI MWD | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | |
| 5,000.00 | 4,892.16 | 4,965.52 | 4,905.58 | 21.09 | 17.44 | 134.19 | 490.71 | 494.83 | 634.09 | 599.22 | 34.87 | 18.182 CC, ES | |
| 5,100.00 | 4,989.63 | 5,064.58 | 5,003.27 | 21.55 | 17.82 | 134.15 | 502.81 | 505.89 | 647.74 | 612.10 | 35.64 | 18.176 | |
| 5,200.00 | 5,087.11 | 5,163.65 | 5,100.97 | 22.02 | 18.19 | 134.12 | 514.90 | 516.96 | 661.39 | 624.99 | 36.40 | 18.170 | |
| 5,300.00 | 5,184.58 | 5,262.71 | 5,198.67 | 22.49 | 18.57 | 134.08 | 527.00 | 528.02 | 675.04 | 637.88 | 37.16 | 18.164 | |
| 5,400.00 | 5,282.06 | 5,361.77 | 5,296.37 | 22.96 | 18.95 | 134.05 | 539.09 | 539.08 | 688.69 | 650.76 | 37.93 | 18.159 | |
| 5,500.00 | 5,379.53 | 5,460.84 | 5,394.06 | 23.43 | 19.32 | 134.02 | 551.19 | 550.15 | 702.34 | 663.65 | 38.69 | 18.153 | |
| 5,600.00 | 5,477.01 | 5,559.90 | 5,491.76 | 23.89 | 19.70 | 133.99 | 563.28 | 561.21 | 715.99 | 676.53 | 39.45 | 18.148 | |
| 5,700.00 | 5,574.48 | 5,658.96 | 5,589.46 | 24.36 | 20.07 | 133.97 | 575.38 | 572.28 | 729.64 | 689.42 | 40.22 | 18.143 | |
| 5,800.00 | 5,671.96 | 5,758.03 | 5,687.16 | 24.83 | 20.45 | 133.94 | 587.48 | 583.34 | 743.29 | 702.31 | 40.98 | 18.138 | |
| 5,900.00 | 5,769.43 | 5,857.09 | 5,784.86 | 25.30 | 20.83 | 133.91 | 599.57 | 594.40 | 756.94 | 715.19 | 41.74 | 18.134 | |
| 6,000.00 | 5,866.90 | 5,956.15 | 5,882.55 | 25.76 | 21.20 | 133.89 | 611.67 | 605.47 | 770.59 | 728.08 | 42.51 | 18.129 | |
| 6,100.00 | 5,964.38 | 6,055.22 | 5,980.25 | 26.23 | 21.58 | 133.86 | 623.76 | 616.53 | 784.24 | 740.97 | 43.27 | 18.125 | |
| 6,200.00 | 6,061.85 | 6,154.28 | 6,077.95 | 26.70 | 21.95 | 133.84 | 635.86 | 627.60 | 797.89 | 753.86 | 44.03 | 18.121 | |
| 6,300.00 | 6,159.33 | 6,253.34 | 6,175.65 | 27.17 | 22.33 | 133.82 | 647.95 | 638.66 | 811.54 | 766.74 | 44.80 | 18.117 | |
| 6,400.00 | 6,256.80 | 6,352.41 | 6,273.34 | 27.64 | 22.71 | 133.79 | 660.05 | 649.72 | 825.19 | 779.63 | 45.56 | 18.113 | |
| 6,500.00 | 6,354.36 | 6,451.50 | 6,371.07 | 28.08 | 23.08 | 133.84 | 672.15 | 660.79 | 838.58 | 792.27 | 46.32 | 18.105 | |
| 6,600.00 | 6,452.52 | 6,550.81 | 6,469.02 | 28.40 | 23.46 | 133.82 | 684.27 | 671.88 | 849.93 | 802.90 | 47.03 | 18.071 | |
| 6,700.00 | 6,551.29 | 6,647.23 | 6,564.32 | 28.69 | 23.75 | 133.71 | 695.01 | 681.70 | 859.06 | 811.43 | 47.63 | 18.035 | |
| 6,800.00 | 6,650.55 | 6,743.70 | 6,660.12 | 28.94 | 23.98 | 133.63 | 703.37 | 689.35 | 866.17 | 818.05 | 48.13 | 17.998 | |
| 6,900.00 | 6,750.16 | 6,840.37 | 6,756.44 | 29.14 | 24.18 | 133.57 | 709.37 | 694.84 | 871.26 | 822.73 | 48.53 | 17.953 | |
| 7,000.00 | 6,850.02 | 6,937.17 | 6,853.12 | 29.30 | 24.35 | 133.54 | 712.97 | 698.13 | 874.31 | 825.47 | 48.84 | 17.900 | |
| 7,100.00 | 6,950.00 | 7,034.07 | 6,950.00 | 29.42 | 24.48 | 138.50 | 714.15 | 699.21 | 875.31 | 826.24 | 49.07 | 17.838 | |
| 7,200.00 | 7,050.00 | 7,134.07 | 7,050.00 | 29.53 | 24.61 | 138.50 | 714.15 | 699.21 | 875.31 | 825.98 | 49.33 | 17.743 | |
| 7,300.00 | 7,150.00 | 7,234.07 | 7,150.00 | 29.64 | 24.74 | 138.50 | 714.15 | 699.21 | 875.31 | 825.71 | 49.60 | 17.646 | |
| 7,400.00 | 7,250.00 | 7,334.07 | 7,250.00 | 29.75 | 24.88 | 138.50 | 714.15 | 699.21 | 875.31 | 825.43 | 49.88 | 17.549 | |
| 7,500.00 | 7,350.00 | 7,434.07 | 7,350.00 | 29.87 | 25.02 | 138.50 | 714.15 | 699.21 | 875.31 | 825.16 | 50.15 | 17.453 | |
| 7,600.00 | 7,450.00 | 7,534.07 | 7,450.00 | 29.98 | 25.16 | 138.50 | 714.15 | 699.21 | 875.31 | 824.88 | 50.43 | 17.356 | |
| 7,700.00 | 7,550.00 | 7,634.07 | 7,550.00 | 30.10 | 25.30 | 138.50 | 714.15 | 699.21 | 875.31 | 824.60 | 50.71 | 17.260 | |
| 7,800.00 | 7,650.00 | 7,734.07 | 7,650.00 | 30.21 | 25.44 | 138.50 | 714.15 | 699.21 | 875.31 | 824.31 | 51.00 | 17.164 | |
| 7,900.00 | 7,750.00 | 7,834.07 | 7,750.00 | 30.33 | 25.59 | 138.50 | 714.15 | 699.21 | 875.31 | 824.03 | 51.28 | 17.068 | |
| 8,000.00 | 7,850.00 | 7,934.07 | 7,850.00 | 30.45 | 25.73 | 138.50 | 714.15 | 699.21 | 875.31 | 823.74 | 51.57 | 16.972 SF | |

| | | | |
|---------------------------|-----------------------------|-------------------------------------|---|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well DACONO 3-2 |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Reference Site: | WELD_DACANO 6-2-9F PAD | MD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Site Error: | 0.00 ft | North Reference: | Grid |
| Reference Well: | DACONO 3-2 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | OH | Database: | EDM5000-RobertS-Local |
| Reference Design: | DACONO 3-2(wp01) | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|---------------------------|------------------------|------------------------|------------------------|-------------------|----------------|-----------------------------|---|---------------|----------------------------|-----------------------------|-------------------------------|----------------------|---------|
| Survey Program: 0-SDI MWD | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | |
| 5,000.00 | 4,892.16 | 4,775.85 | 4,748.49 | 21.09 | 14.16 | -166.44 | -422.35 | -366.43 | 1,474.62 | 1,449.64 | 24.98 | 59.026 | CC, ES |
| 5,100.00 | 4,989.63 | 4,870.87 | 4,842.90 | 21.55 | 14.46 | -166.42 | -429.46 | -374.50 | 1,505.78 | 1,480.27 | 25.51 | 59.031 | |
| 5,200.00 | 5,087.11 | 4,965.89 | 4,937.31 | 22.02 | 14.76 | -166.40 | -436.56 | -382.57 | 1,536.94 | 1,510.90 | 26.03 | 59.036 | |
| 5,300.00 | 5,184.58 | 5,060.91 | 5,031.72 | 22.49 | 15.06 | -166.39 | -443.67 | -390.64 | 1,568.10 | 1,541.54 | 26.56 | 59.040 | |
| 5,400.00 | 5,282.06 | 5,155.93 | 5,126.13 | 22.96 | 15.36 | -166.37 | -450.77 | -398.72 | 1,599.26 | 1,572.17 | 27.09 | 59.043 | |
| 5,500.00 | 5,379.53 | 5,250.95 | 5,220.54 | 23.43 | 15.66 | -166.35 | -457.88 | -406.79 | 1,630.42 | 1,602.80 | 27.61 | 59.046 | |
| 5,600.00 | 5,477.01 | 5,345.97 | 5,314.95 | 23.89 | 15.96 | -166.34 | -464.98 | -414.86 | 1,661.58 | 1,633.44 | 28.14 | 59.049 | |
| 5,700.00 | 5,574.48 | 5,440.99 | 5,409.36 | 24.36 | 16.26 | -166.32 | -472.09 | -422.93 | 1,692.74 | 1,664.07 | 28.67 | 59.052 | |
| 5,800.00 | 5,671.96 | 5,536.01 | 5,503.77 | 24.83 | 16.56 | -166.30 | -479.19 | -431.01 | 1,723.90 | 1,694.70 | 29.19 | 59.053 | |
| 5,900.00 | 5,769.43 | 5,631.03 | 5,598.18 | 25.30 | 16.86 | -166.29 | -486.29 | -439.08 | 1,755.06 | 1,725.34 | 29.72 | 59.055 | |
| 6,000.00 | 5,866.90 | 5,726.05 | 5,692.59 | 25.76 | 17.15 | -166.28 | -493.40 | -447.15 | 1,786.22 | 1,755.97 | 30.25 | 59.056 | |
| 6,100.00 | 5,964.38 | 5,821.07 | 5,787.00 | 26.23 | 17.45 | -166.26 | -500.50 | -455.22 | 1,817.38 | 1,786.60 | 30.77 | 59.058 | |
| 6,200.00 | 6,061.85 | 5,916.10 | 5,881.41 | 26.70 | 17.75 | -166.25 | -507.61 | -463.30 | 1,848.54 | 1,817.24 | 31.30 | 59.058 | |
| 6,300.00 | 6,159.33 | 6,011.12 | 5,975.82 | 27.17 | 18.05 | -166.24 | -514.71 | -471.37 | 1,879.70 | 1,847.87 | 31.83 | 59.059 | |
| 6,400.00 | 6,256.80 | 6,106.14 | 6,070.23 | 27.64 | 18.35 | -166.22 | -521.82 | -479.44 | 1,910.86 | 1,878.50 | 32.36 | 59.059 | |
| 6,500.00 | 6,354.36 | 6,201.27 | 6,164.74 | 28.08 | 18.65 | -166.28 | -528.93 | -487.52 | 1,941.67 | 1,908.74 | 32.93 | 58.965 | |
| 6,600.00 | 6,452.52 | 6,297.24 | 6,260.10 | 28.40 | 18.95 | -166.38 | -536.11 | -495.68 | 1,969.72 | 1,936.21 | 33.50 | 58.793 | |
| 6,700.00 | 6,551.29 | 6,394.10 | 6,356.34 | 28.69 | 19.26 | -166.44 | -543.35 | -503.90 | 1,994.49 | 1,960.45 | 34.04 | 58.599 | |
| 6,800.00 | 6,650.55 | 6,491.72 | 6,453.33 | 28.94 | 19.57 | -166.46 | -550.65 | -512.20 | 2,015.96 | 1,981.44 | 34.53 | 58.386 | |
| 6,900.00 | 6,750.16 | 6,589.99 | 6,550.97 | 29.14 | 19.88 | -166.45 | -558.00 | -520.55 | 2,034.12 | 1,999.14 | 34.98 | 58.155 | |
| 7,000.00 | 6,850.02 | 6,725.40 | 6,685.58 | 29.30 | 20.26 | -166.35 | -567.72 | -531.60 | 2,048.73 | 2,013.28 | 35.45 | 57.792 | |
| 7,100.00 | 6,950.00 | 6,988.57 | 6,948.37 | 29.42 | 20.70 | -161.26 | -575.86 | -540.84 | 2,054.46 | 2,018.43 | 36.03 | 57.025 | |
| 7,200.00 | 7,050.00 | 7,090.21 | 7,050.00 | 29.53 | 20.84 | -161.26 | -575.86 | -540.85 | 2,054.46 | 2,018.09 | 36.37 | 56.485 | |
| 7,300.00 | 7,150.00 | 7,190.21 | 7,150.00 | 29.64 | 20.98 | -161.26 | -575.86 | -540.85 | 2,054.46 | 2,017.74 | 36.71 | 55.957 | |
| 7,400.00 | 7,250.00 | 7,290.21 | 7,250.00 | 29.75 | 21.12 | -161.26 | -575.86 | -540.85 | 2,054.46 | 2,017.40 | 37.06 | 55.436 | |
| 7,500.00 | 7,350.00 | 7,390.21 | 7,350.00 | 29.87 | 21.25 | -161.26 | -575.86 | -540.85 | 2,054.46 | 2,017.05 | 37.41 | 54.921 | |
| 7,600.00 | 7,450.00 | 7,490.21 | 7,450.00 | 29.98 | 21.39 | -161.26 | -575.86 | -540.85 | 2,054.46 | 2,016.70 | 37.76 | 54.412 | |
| 7,700.00 | 7,550.00 | 7,590.21 | 7,550.00 | 30.10 | 21.54 | -161.26 | -575.86 | -540.85 | 2,054.46 | 2,016.35 | 38.11 | 53.910 | |
| 7,800.00 | 7,650.00 | 7,690.21 | 7,650.00 | 30.21 | 21.68 | -161.26 | -575.86 | -540.85 | 2,054.46 | 2,015.99 | 38.46 | 53.414 | |
| 7,900.00 | 7,750.00 | 7,790.21 | 7,750.00 | 30.33 | 21.82 | -161.26 | -575.86 | -540.85 | 2,054.46 | 2,015.64 | 38.82 | 52.924 | |
| 8,000.00 | 7,850.00 | 7,890.21 | 7,850.00 | 30.45 | 21.97 | -161.26 | -575.86 | -540.85 | 2,054.46 | 2,015.28 | 39.18 | 52.441 | SF |

| | | | |
|---------------------------|-----------------------------|-------------------------------------|---|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well DACONO 3-2 |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Reference Site: | WELD_DACANO 6-2-9F PAD | MD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Site Error: | 0.00 ft | North Reference: | Grid |
| Reference Well: | DACONO 3-2 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | OH | Database: | EDM5000-RobertS-Local |
| Reference Design: | DACONO 3-2(wp01) | Offset TVD Reference: | Offset Datum |

| Offset Design WELD_DACANO 6-2-9F PAD - DACONO 28-2 - OH - DACONO 28-2(wp01) | | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-SDI MWD | | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 5,000.00 | 4,892.16 | 4,956.61 | 4,701.36 | 21.09 | 29.25 | 38.23 | 1,370.45 | 483.95 | 593.96 | 559.27 | 34.69 | 17.122 CC, ES | | |
| 5,100.00 | 4,989.63 | 5,055.45 | 4,793.85 | 21.55 | 29.93 | 38.16 | 1,403.36 | 495.48 | 609.12 | 573.69 | 35.43 | 17.192 | | |
| 5,200.00 | 5,087.11 | 5,154.29 | 4,886.33 | 22.02 | 30.62 | 38.08 | 1,436.27 | 507.02 | 624.29 | 588.12 | 36.17 | 17.259 | | |
| 5,300.00 | 5,184.58 | 5,253.13 | 4,978.82 | 22.49 | 31.30 | 38.01 | 1,469.17 | 518.56 | 639.46 | 602.55 | 36.91 | 17.324 | | |
| 5,400.00 | 5,282.06 | 5,351.97 | 5,071.30 | 22.96 | 31.98 | 37.95 | 1,502.08 | 530.09 | 654.63 | 616.98 | 37.65 | 17.385 | | |
| 5,500.00 | 5,379.53 | 5,450.81 | 5,163.78 | 23.43 | 32.67 | 37.88 | 1,534.99 | 541.63 | 669.81 | 631.41 | 38.40 | 17.445 | | |
| 5,600.00 | 5,477.01 | 5,549.65 | 5,256.27 | 23.89 | 33.35 | 37.82 | 1,567.90 | 553.17 | 684.98 | 645.84 | 39.14 | 17.502 | | |
| 5,700.00 | 5,574.48 | 5,648.49 | 5,348.75 | 24.36 | 34.04 | 37.76 | 1,600.80 | 564.70 | 700.15 | 660.27 | 39.88 | 17.557 | | |
| 5,800.00 | 5,671.96 | 5,747.33 | 5,441.24 | 24.83 | 34.72 | 37.71 | 1,633.71 | 576.24 | 715.33 | 674.71 | 40.62 | 17.610 | | |
| 5,900.00 | 5,769.43 | 5,846.17 | 5,533.72 | 25.30 | 35.41 | 37.65 | 1,666.62 | 587.77 | 730.50 | 689.14 | 41.36 | 17.661 | | |
| 6,000.00 | 5,866.90 | 5,945.01 | 5,626.20 | 25.76 | 36.09 | 37.60 | 1,699.53 | 599.31 | 745.67 | 703.57 | 42.10 | 17.710 | | |
| 6,100.00 | 5,964.38 | 6,043.85 | 5,718.69 | 26.23 | 36.78 | 37.55 | 1,732.43 | 610.85 | 760.85 | 718.00 | 42.85 | 17.758 | | |
| 6,200.00 | 6,061.85 | 6,142.69 | 5,811.17 | 26.70 | 37.46 | 37.51 | 1,765.34 | 622.38 | 776.03 | 732.44 | 43.59 | 17.804 | | |
| 6,300.00 | 6,159.33 | 6,241.53 | 5,903.66 | 27.17 | 38.14 | 37.46 | 1,798.25 | 633.92 | 791.20 | 746.87 | 44.33 | 17.848 | | |
| 6,400.00 | 6,256.80 | 6,361.83 | 6,016.64 | 27.64 | 38.84 | 37.44 | 1,837.23 | 647.58 | 805.56 | 760.44 | 45.12 | 17.855 | | |
| 6,500.00 | 6,354.36 | 6,496.05 | 6,144.52 | 28.08 | 39.48 | 37.62 | 1,875.63 | 661.05 | 816.26 | 770.33 | 45.93 | 17.772 | | |
| 6,600.00 | 6,452.52 | 6,631.05 | 6,274.94 | 28.40 | 40.04 | 37.85 | 1,908.51 | 672.57 | 825.04 | 778.44 | 46.60 | 17.706 | | |
| 6,700.00 | 6,551.29 | 6,766.66 | 6,407.45 | 28.69 | 40.52 | 38.04 | 1,935.67 | 682.09 | 832.26 | 785.10 | 47.17 | 17.645 | | |
| 6,800.00 | 6,650.55 | 6,902.77 | 6,541.66 | 28.94 | 40.93 | 38.18 | 1,956.95 | 689.55 | 837.90 | 790.27 | 47.63 | 17.591 | | |
| 6,900.00 | 6,750.16 | 7,039.26 | 6,677.17 | 29.14 | 41.24 | 38.28 | 1,972.22 | 694.91 | 841.94 | 793.95 | 47.99 | 17.545 | | |
| 7,000.00 | 6,850.02 | 7,176.00 | 6,813.56 | 29.30 | 41.47 | 38.34 | 1,981.39 | 698.12 | 844.36 | 796.13 | 48.24 | 17.504 | | |
| 7,100.00 | 6,950.00 | 7,312.49 | 6,950.00 | 29.42 | 41.62 | 43.34 | 1,984.41 | 699.18 | 845.16 | 796.78 | 48.38 | 17.469 | | |
| 7,200.00 | 7,050.00 | 7,412.49 | 7,050.00 | 29.53 | 41.69 | 43.34 | 1,984.41 | 699.18 | 845.16 | 796.52 | 48.64 | 17.376 | | |
| 7,300.00 | 7,150.00 | 7,512.49 | 7,150.00 | 29.64 | 41.77 | 43.34 | 1,984.41 | 699.18 | 845.16 | 796.25 | 48.91 | 17.280 | | |
| 7,400.00 | 7,250.00 | 7,612.49 | 7,250.00 | 29.75 | 41.84 | 43.34 | 1,984.41 | 699.18 | 845.16 | 795.98 | 49.18 | 17.185 | | |
| 7,500.00 | 7,350.00 | 7,712.49 | 7,350.00 | 29.87 | 41.92 | 43.34 | 1,984.41 | 699.18 | 845.16 | 795.71 | 49.45 | 17.090 | | |
| 7,600.00 | 7,450.00 | 7,812.49 | 7,450.00 | 29.98 | 42.00 | 43.34 | 1,984.41 | 699.18 | 845.16 | 795.43 | 49.73 | 16.995 | | |
| 7,700.00 | 7,550.00 | 7,912.49 | 7,550.00 | 30.10 | 42.08 | 43.34 | 1,984.41 | 699.18 | 845.16 | 795.15 | 50.01 | 16.900 | | |
| 7,800.00 | 7,650.00 | 8,012.49 | 7,650.00 | 30.21 | 42.16 | 43.34 | 1,984.41 | 699.18 | 845.16 | 794.87 | 50.29 | 16.806 | | |
| 7,900.00 | 7,750.00 | 8,112.49 | 7,750.00 | 30.33 | 42.24 | 43.34 | 1,984.41 | 699.18 | 845.16 | 794.59 | 50.57 | 16.711 | | |
| 8,000.00 | 7,850.00 | 8,212.49 | 7,850.00 | 30.45 | 42.33 | 43.34 | 1,984.41 | 699.18 | 845.16 | 794.30 | 50.86 | 16.617 SF | | |

| | | | |
|---------------------------|-----------------------------|-------------------------------------|---|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well DACONO 3-2 |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Reference Site: | WELD_DACANO 6-2-9F PAD | MD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Site Error: | 0.00 ft | North Reference: | Grid |
| Reference Well: | DACONO 3-2 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | OH | Database: | EDM5000-RobertS-Local |
| Reference Design: | DACONO 3-2(wp01) | Offset TVD Reference: | Offset Datum |

| Offset Design WELD_DACANO 6-2-9F PAD - DACONO 29-2 - OH - DACONO 29-2(wp01) | | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-SDI MWD | | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 5,000.00 | 4,892.16 | 4,954.64 | 4,710.77 | 21.09 | 28.96 | -52.43 | 1,361.74 | -374.71 | 627.87 | 589.55 | 38.31 | 16.387 | CC, ES | |
| 5,100.00 | 4,989.63 | 5,053.37 | 4,803.45 | 21.55 | 29.63 | -52.32 | 1,394.56 | -383.61 | 643.71 | 604.58 | 39.13 | 16.449 | | |
| 5,200.00 | 5,087.11 | 5,152.10 | 4,896.14 | 22.02 | 30.31 | -52.23 | 1,427.39 | -392.52 | 659.56 | 619.61 | 39.95 | 16.508 | | |
| 5,300.00 | 5,184.58 | 5,250.83 | 4,988.83 | 22.49 | 30.98 | -52.14 | 1,460.21 | -401.42 | 675.41 | 634.64 | 40.77 | 16.565 | | |
| 5,400.00 | 5,282.06 | 5,349.56 | 5,081.52 | 22.96 | 31.66 | -52.05 | 1,493.03 | -410.32 | 691.26 | 649.67 | 41.59 | 16.620 | | |
| 5,500.00 | 5,379.53 | 5,448.29 | 5,174.20 | 23.43 | 32.33 | -51.97 | 1,525.86 | -419.23 | 707.11 | 664.70 | 42.41 | 16.673 | | |
| 5,600.00 | 5,477.01 | 5,547.02 | 5,266.89 | 23.89 | 33.01 | -51.89 | 1,558.68 | -428.13 | 722.97 | 679.73 | 43.23 | 16.723 | | |
| 5,700.00 | 5,574.48 | 5,645.75 | 5,359.58 | 24.36 | 33.68 | -51.81 | 1,591.51 | -437.04 | 738.82 | 694.77 | 44.05 | 16.772 | | |
| 5,800.00 | 5,671.96 | 5,744.48 | 5,452.27 | 24.83 | 34.36 | -51.74 | 1,624.33 | -445.94 | 754.68 | 709.80 | 44.87 | 16.819 | | |
| 5,900.00 | 5,769.43 | 5,843.21 | 5,544.95 | 25.30 | 35.04 | -51.67 | 1,657.16 | -454.84 | 770.53 | 724.84 | 45.69 | 16.864 | | |
| 6,000.00 | 5,866.90 | 5,941.94 | 5,637.64 | 25.76 | 35.71 | -51.60 | 1,689.98 | -463.75 | 786.39 | 739.88 | 46.51 | 16.907 | | |
| 6,100.00 | 5,964.38 | 6,040.67 | 5,730.33 | 26.23 | 36.39 | -51.54 | 1,722.81 | -472.65 | 802.25 | 754.92 | 47.33 | 16.949 | | |
| 6,200.00 | 6,061.85 | 6,139.40 | 5,823.02 | 26.70 | 37.06 | -51.47 | 1,755.63 | -481.56 | 818.11 | 769.96 | 48.15 | 16.990 | | |
| 6,300.00 | 6,159.33 | 6,238.14 | 5,915.70 | 27.17 | 37.74 | -51.41 | 1,788.46 | -490.46 | 833.97 | 785.00 | 48.97 | 17.029 | | |
| 6,400.00 | 6,256.80 | 6,335.43 | 6,024.20 | 27.64 | 38.42 | -51.37 | 1,826.10 | -500.67 | 849.35 | 799.53 | 49.82 | 17.047 | | |
| 6,500.00 | 6,354.36 | 6,433.33 | 6,130.93 | 28.08 | 39.05 | -51.57 | 1,864.68 | -511.14 | 861.57 | 810.84 | 50.73 | 16.984 | | |
| 6,600.00 | 6,452.52 | 6,531.09 | 6,240.22 | 28.40 | 39.61 | -51.86 | 1,897.73 | -520.10 | 871.71 | 820.22 | 51.49 | 16.928 | | |
| 6,700.00 | 6,551.29 | 6,630.53 | 6,351.63 | 28.69 | 40.09 | -52.09 | 1,925.05 | -527.51 | 880.06 | 827.90 | 52.15 | 16.875 | | |
| 6,800.00 | 6,650.55 | 6,730.52 | 6,464.77 | 28.94 | 40.49 | -52.26 | 1,946.47 | -533.32 | 886.57 | 833.87 | 52.70 | 16.823 | | |
| 6,900.00 | 6,750.16 | 6,830.93 | 6,579.23 | 29.14 | 40.80 | -52.39 | 1,961.84 | -537.49 | 891.24 | 838.11 | 53.13 | 16.775 | | |
| 7,000.00 | 6,850.02 | 6,930.63 | 6,694.58 | 29.30 | 41.02 | -52.46 | 1,971.08 | -540.00 | 894.04 | 840.60 | 53.44 | 16.730 | | |
| 7,100.00 | 6,950.00 | 7,030.10 | 6,810.00 | 29.42 | 41.17 | -47.52 | 1,974.13 | -540.83 | 894.96 | 841.32 | 53.64 | 16.684 | | |
| 7,200.00 | 7,050.00 | 7,130.10 | 6,920.00 | 29.53 | 41.24 | -47.52 | 1,974.13 | -540.83 | 894.96 | 841.08 | 53.88 | 16.611 | | |
| 7,300.00 | 7,150.00 | 7,230.10 | 7,030.00 | 29.64 | 41.32 | -47.52 | 1,974.13 | -540.83 | 894.96 | 840.84 | 54.12 | 16.537 | | |
| 7,400.00 | 7,250.00 | 7,330.10 | 7,140.00 | 29.75 | 41.40 | -47.52 | 1,974.13 | -540.83 | 894.96 | 840.60 | 54.36 | 16.462 | | |
| 7,500.00 | 7,350.00 | 7,430.10 | 7,250.00 | 29.87 | 41.48 | -47.52 | 1,974.13 | -540.83 | 894.96 | 840.35 | 54.61 | 16.388 | | |
| 7,600.00 | 7,450.00 | 7,530.10 | 7,360.00 | 29.98 | 41.56 | -47.52 | 1,974.13 | -540.83 | 894.96 | 840.10 | 54.86 | 16.314 | | |
| 7,700.00 | 7,550.00 | 7,630.10 | 7,470.00 | 30.10 | 41.64 | -47.52 | 1,974.13 | -540.83 | 894.96 | 839.85 | 55.11 | 16.239 | | |
| 7,800.00 | 7,650.00 | 7,730.10 | 7,580.00 | 30.21 | 41.73 | -47.52 | 1,974.13 | -540.83 | 894.96 | 839.59 | 55.37 | 16.165 | | |
| 7,900.00 | 7,750.00 | 7,830.10 | 7,690.00 | 30.33 | 41.81 | -47.52 | 1,974.13 | -540.83 | 894.96 | 839.34 | 55.62 | 16.090 | | |
| 8,000.00 | 7,850.00 | 7,930.10 | 7,800.00 | 30.45 | 41.90 | -47.52 | 1,974.13 | -540.83 | 894.96 | 839.08 | 55.88 | 16.016 | SF | |

| | | | |
|---------------------------|-----------------------------|-------------------------------------|---|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well DACONO 3-2 |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Reference Site: | WELD_DACANO 6-2-9F PAD | MD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Site Error: | 0.00 ft | North Reference: | Grid |
| Reference Well: | DACONO 3-2 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | OH | Database: | EDM5000-RobertS-Local |
| Reference Design: | DACONO 3-2(wp01) | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|---------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|--------------------|------------|
| Survey Program: 0-SDI MWD | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | |
| 5,000.00 | 4,892.16 | 4,795.20 | 4,451.86 | 21.09 | 33.87 | -80.76 | 1,176.63 | -1,099.52 | 1,279.60 | 1,236.42 | 43.17 | 29.640 | CC, ES, SF |
| 5,100.00 | 4,989.63 | 4,889.97 | 4,537.75 | 21.55 | 34.69 | -80.64 | 1,206.35 | -1,126.37 | 1,311.41 | 1,267.29 | 44.12 | 29.726 | |
| 5,200.00 | 5,087.11 | 4,984.74 | 4,623.64 | 22.02 | 35.51 | -80.52 | 1,236.06 | -1,153.22 | 1,343.23 | 1,298.17 | 45.06 | 29.808 | |
| 5,300.00 | 5,184.58 | 5,079.51 | 4,709.53 | 22.49 | 36.33 | -80.41 | 1,265.78 | -1,180.07 | 1,375.05 | 1,329.04 | 46.01 | 29.887 | |
| 5,400.00 | 5,282.06 | 5,174.28 | 4,795.42 | 22.96 | 37.15 | -80.31 | 1,295.49 | -1,206.93 | 1,406.88 | 1,359.93 | 46.95 | 29.963 | |
| 5,500.00 | 5,379.53 | 5,269.05 | 4,881.31 | 23.43 | 37.96 | -80.21 | 1,325.21 | -1,233.78 | 1,438.71 | 1,390.81 | 47.90 | 30.035 | |
| 5,600.00 | 5,477.01 | 5,363.82 | 4,967.20 | 23.89 | 38.78 | -80.12 | 1,354.93 | -1,260.63 | 1,470.55 | 1,421.70 | 48.85 | 30.105 | |
| 5,700.00 | 5,574.48 | 5,458.59 | 5,053.09 | 24.36 | 39.60 | -80.02 | 1,384.64 | -1,287.49 | 1,502.39 | 1,452.59 | 49.79 | 30.173 | |
| 5,800.00 | 5,671.96 | 5,553.36 | 5,138.99 | 24.83 | 40.42 | -79.94 | 1,414.36 | -1,314.34 | 1,534.23 | 1,483.49 | 50.74 | 30.238 | |
| 5,900.00 | 5,769.43 | 5,648.13 | 5,224.88 | 25.30 | 41.24 | -79.85 | 1,444.07 | -1,341.19 | 1,566.08 | 1,514.39 | 51.69 | 30.300 | |
| 6,000.00 | 5,866.90 | 5,742.90 | 5,310.77 | 25.76 | 42.06 | -79.77 | 1,473.79 | -1,368.04 | 1,597.92 | 1,545.29 | 52.63 | 30.361 | |
| 6,100.00 | 5,964.38 | 5,837.66 | 5,396.66 | 26.23 | 42.88 | -79.70 | 1,503.51 | -1,394.90 | 1,629.77 | 1,576.20 | 53.58 | 30.419 | |
| 6,200.00 | 6,061.85 | 5,932.43 | 5,482.55 | 26.70 | 43.69 | -79.62 | 1,533.22 | -1,421.75 | 1,661.63 | 1,607.10 | 54.52 | 30.475 | |
| 6,300.00 | 6,159.33 | 6,027.20 | 5,568.44 | 27.17 | 44.51 | -79.55 | 1,562.94 | -1,448.60 | 1,693.48 | 1,638.01 | 55.47 | 30.529 | |
| 6,400.00 | 6,256.80 | 6,121.97 | 5,654.33 | 27.64 | 45.33 | -79.48 | 1,592.65 | -1,475.45 | 1,725.34 | 1,668.93 | 56.42 | 30.582 | |
| 6,500.00 | 6,354.36 | 6,216.71 | 5,740.19 | 28.08 | 46.15 | -79.71 | 1,622.36 | -1,502.30 | 1,757.27 | 1,699.81 | 57.46 | 30.583 | |
| 6,600.00 | 6,452.52 | 6,311.16 | 5,825.79 | 28.40 | 46.97 | -80.21 | 1,651.98 | -1,529.06 | 1,789.70 | 1,731.20 | 58.51 | 30.591 | |
| 6,700.00 | 6,551.29 | 6,405.17 | 5,910.99 | 28.69 | 47.78 | -80.62 | 1,681.45 | -1,555.70 | 1,822.73 | 1,763.25 | 59.48 | 30.646 | |
| 6,800.00 | 6,650.55 | 6,498.62 | 5,995.69 | 28.94 | 48.59 | -80.94 | 1,710.76 | -1,582.18 | 1,856.34 | 1,795.97 | 60.37 | 30.749 | |
| 6,900.00 | 6,750.16 | 6,591.40 | 6,079.77 | 29.14 | 49.39 | -81.18 | 1,739.85 | -1,608.47 | 1,890.57 | 1,829.38 | 61.19 | 30.898 | |
| 7,000.00 | 6,850.02 | 6,700.59 | 6,178.80 | 29.30 | 50.30 | -81.25 | 1,773.98 | -1,639.31 | 1,925.39 | 1,863.44 | 61.95 | 31.081 | |
| 7,100.00 | 6,950.00 | 6,918.81 | 6,380.78 | 29.42 | 51.65 | -75.61 | 1,835.17 | -1,694.60 | 1,957.16 | 1,894.56 | 62.60 | 31.266 | |
| 7,200.00 | 7,050.00 | 7,148.64 | 6,599.63 | 29.53 | 52.80 | -74.46 | 1,887.09 | -1,741.52 | 1,983.11 | 1,920.25 | 62.86 | 31.547 | |
| 7,300.00 | 7,150.00 | 7,389.09 | 6,833.82 | 29.64 | 53.72 | -73.62 | 1,927.30 | -1,777.85 | 2,002.40 | 1,939.24 | 63.16 | 31.704 | |
| 7,400.00 | 7,250.00 | 7,637.34 | 7,079.49 | 29.75 | 54.35 | -73.10 | 1,953.37 | -1,801.41 | 2,014.55 | 1,951.09 | 63.47 | 31.741 | |
| 7,500.00 | 7,350.00 | 7,889.92 | 7,331.61 | 29.87 | 54.69 | -72.89 | 1,963.61 | -1,810.67 | 2,019.25 | 1,955.46 | 63.79 | 31.652 | |
| 7,600.00 | 7,450.00 | 8,008.31 | 7,450.00 | 29.98 | 54.76 | -72.89 | 1,963.73 | -1,810.78 | 2,019.31 | 1,955.29 | 64.02 | 31.543 | |
| 7,700.00 | 7,550.00 | 8,108.31 | 7,550.00 | 30.10 | 54.82 | -72.89 | 1,963.73 | -1,810.78 | 2,019.31 | 1,955.08 | 64.23 | 31.440 | |
| 7,800.00 | 7,650.00 | 8,208.31 | 7,650.00 | 30.21 | 54.89 | -72.89 | 1,963.73 | -1,810.78 | 2,019.31 | 1,954.87 | 64.44 | 31.336 | |
| 7,900.00 | 7,750.00 | 8,308.31 | 7,750.00 | 30.33 | 54.95 | -72.89 | 1,963.73 | -1,810.78 | 2,019.31 | 1,954.65 | 64.66 | 31.232 | |
| 8,000.00 | 7,850.00 | 8,408.31 | 7,850.00 | 30.45 | 55.02 | -72.89 | 1,963.73 | -1,810.78 | 2,019.31 | 1,954.43 | 64.87 | 31.127 | |

| | | | |
|---------------------------|-----------------------------|-------------------------------------|---|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well DACONO 3-2 |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Reference Site: | WELD_DACANO 6-2-9F PAD | MD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Site Error: | 0.00 ft | North Reference: | Grid |
| Reference Well: | DACONO 3-2 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | OH | Database: | EDM5000-RobertS-Local |
| Reference Design: | DACONO 3-2(wp01) | Offset TVD Reference: | Offset Datum |

| Offset Design WELD_DACANO 6-2-9F PAD - DACONO 31-2 - OH - DACONO 31-2(wp01) | | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-SDI MWD | | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 5,000.00 | 4,892.16 | 4,764.87 | 4,554.81 | 21.09 | 27.70 | -114.21 | 436.80 | -1,201.42 | 1,434.17 | 1,393.77 | 40.40 | 35.498 CC, ES | | |
| 5,100.00 | 4,989.63 | 4,859.24 | 4,644.00 | 21.55 | 28.34 | -114.12 | 448.77 | -1,229.82 | 1,467.17 | 1,425.87 | 41.30 | 35.528 | | |
| 5,200.00 | 5,087.11 | 4,953.61 | 4,733.20 | 22.02 | 28.98 | -114.03 | 460.75 | -1,258.21 | 1,500.18 | 1,457.98 | 42.19 | 35.556 | | |
| 5,300.00 | 5,184.58 | 5,047.98 | 4,822.39 | 22.49 | 29.62 | -113.94 | 472.73 | -1,286.61 | 1,533.19 | 1,490.10 | 43.09 | 35.584 | | |
| 5,400.00 | 5,282.06 | 5,142.35 | 4,911.59 | 22.96 | 30.27 | -113.86 | 484.71 | -1,315.01 | 1,566.20 | 1,522.22 | 43.98 | 35.610 | | |
| 5,500.00 | 5,379.53 | 5,236.72 | 5,000.78 | 23.43 | 30.91 | -113.78 | 496.68 | -1,343.41 | 1,599.21 | 1,554.34 | 44.88 | 35.636 | | |
| 5,600.00 | 5,477.01 | 5,331.09 | 5,089.98 | 23.89 | 31.55 | -113.70 | 508.66 | -1,371.81 | 1,632.23 | 1,586.46 | 45.77 | 35.660 | | |
| 5,700.00 | 5,574.48 | 5,425.46 | 5,179.17 | 24.36 | 32.20 | -113.63 | 520.64 | -1,400.21 | 1,665.25 | 1,618.58 | 46.67 | 35.684 | | |
| 5,800.00 | 5,671.96 | 5,519.83 | 5,268.37 | 24.83 | 32.84 | -113.56 | 532.61 | -1,428.61 | 1,698.27 | 1,650.71 | 47.56 | 35.707 | | |
| 5,900.00 | 5,769.43 | 5,614.21 | 5,357.56 | 25.30 | 33.48 | -113.49 | 544.59 | -1,457.01 | 1,731.30 | 1,682.84 | 48.46 | 35.729 | | |
| 6,000.00 | 5,866.90 | 5,708.58 | 5,446.76 | 25.76 | 34.13 | -113.43 | 556.57 | -1,485.41 | 1,764.32 | 1,714.97 | 49.35 | 35.750 | | |
| 6,100.00 | 5,964.38 | 5,802.95 | 5,535.96 | 26.23 | 34.77 | -113.36 | 568.55 | -1,513.81 | 1,797.35 | 1,747.10 | 50.25 | 35.770 | | |
| 6,200.00 | 6,061.85 | 5,897.32 | 5,625.15 | 26.70 | 35.41 | -113.30 | 580.52 | -1,542.21 | 1,830.38 | 1,779.24 | 51.14 | 35.790 | | |
| 6,300.00 | 6,159.33 | 5,991.69 | 5,714.35 | 27.17 | 36.06 | -113.24 | 592.50 | -1,570.61 | 1,863.41 | 1,811.37 | 52.04 | 35.809 | | |
| 6,400.00 | 6,256.80 | 6,086.06 | 5,803.54 | 27.64 | 36.70 | -113.19 | 604.48 | -1,599.01 | 1,896.45 | 1,843.51 | 52.93 | 35.827 | | |
| 6,500.00 | 6,354.36 | 6,180.47 | 5,892.77 | 28.08 | 37.35 | -113.42 | 616.46 | -1,627.42 | 1,929.34 | 1,875.43 | 53.91 | 35.786 | | |
| 6,600.00 | 6,452.52 | 6,275.16 | 5,982.27 | 28.40 | 37.99 | -113.88 | 628.48 | -1,655.91 | 1,961.12 | 1,906.22 | 54.90 | 35.723 | | |
| 6,700.00 | 6,551.29 | 6,434.05 | 6,133.30 | 28.69 | 38.91 | -114.10 | 647.64 | -1,701.34 | 1,990.59 | 1,934.59 | 56.01 | 35.542 | | |
| 6,800.00 | 6,650.55 | 6,634.32 | 6,327.10 | 28.94 | 39.75 | -114.18 | 667.20 | -1,747.73 | 2,014.15 | 1,957.13 | 57.02 | 35.323 | | |
| 6,900.00 | 6,750.16 | 6,840.28 | 6,529.57 | 29.14 | 40.40 | -114.24 | 681.78 | -1,782.30 | 2,031.20 | 1,973.36 | 57.85 | 35.113 | | |
| 7,000.00 | 6,850.02 | 7,050.23 | 6,738.19 | 29.30 | 40.85 | -114.26 | 690.79 | -1,803.65 | 2,041.52 | 1,983.05 | 58.47 | 34.915 | | |
| 7,100.00 | 6,950.00 | 7,262.24 | 6,950.00 | 29.42 | 41.09 | -109.30 | 693.84 | -1,810.88 | 2,044.97 | 1,986.07 | 58.89 | 34.724 | | |
| 7,200.00 | 7,050.00 | 7,362.24 | 7,050.00 | 29.53 | 41.17 | -109.30 | 693.84 | -1,810.88 | 2,044.97 | 1,985.86 | 59.11 | 34.597 | | |
| 7,300.00 | 7,150.00 | 7,462.24 | 7,150.00 | 29.64 | 41.26 | -109.30 | 693.84 | -1,810.88 | 2,044.97 | 1,985.64 | 59.33 | 34.469 | | |
| 7,400.00 | 7,250.00 | 7,562.24 | 7,250.00 | 29.75 | 41.34 | -109.30 | 693.84 | -1,810.88 | 2,044.97 | 1,985.42 | 59.55 | 34.340 | | |
| 7,500.00 | 7,350.00 | 7,662.24 | 7,350.00 | 29.87 | 41.43 | -109.30 | 693.84 | -1,810.88 | 2,044.97 | 1,985.19 | 59.78 | 34.211 | | |
| 7,600.00 | 7,450.00 | 7,762.24 | 7,450.00 | 29.98 | 41.51 | -109.30 | 693.84 | -1,810.88 | 2,044.97 | 1,984.96 | 60.00 | 34.081 | | |
| 7,700.00 | 7,550.00 | 7,862.24 | 7,550.00 | 30.10 | 41.60 | -109.30 | 693.84 | -1,810.88 | 2,044.97 | 1,984.73 | 60.23 | 33.951 | | |
| 7,800.00 | 7,650.00 | 7,962.24 | 7,650.00 | 30.21 | 41.69 | -109.30 | 693.84 | -1,810.88 | 2,044.97 | 1,984.50 | 60.47 | 33.821 | | |
| 7,900.00 | 7,750.00 | 8,062.24 | 7,750.00 | 30.33 | 41.78 | -109.30 | 693.84 | -1,810.88 | 2,044.97 | 1,984.27 | 60.70 | 33.690 | | |
| 8,000.00 | 7,850.00 | 8,162.24 | 7,850.00 | 30.45 | 41.87 | -109.30 | 693.84 | -1,810.88 | 2,044.97 | 1,984.03 | 60.94 | 33.558 SF | | |

| | | | |
|---------------------------|-----------------------------|-------------------------------------|---|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well DACONO 3-2 |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Reference Site: | WELD_DACANO 6-2-9F PAD | MD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Site Error: | 0.00 ft | North Reference: | Grid |
| Reference Well: | DACONO 3-2 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | OH | Database: | EDM5000-RobertS-Local |
| Reference Design: | DACONO 3-2(wp01) | Offset TVD Reference: | Offset Datum |

| Offset Design WELD_DACANO 6-2-9F PAD - DACONO 32-2 - OH - DACONO 32-2(wp01) | | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-SDI MWD | | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 5,000.00 | 4,892.16 | 4,566.55 | 4,384.88 | 21.09 | 25.59 | -140.24 | -403.81 | -1,144.98 | 1,915.32 | 1,882.67 | 32.64 | 58.673 | CC, ES | |
| 5,100.00 | 4,989.63 | 4,656.79 | 4,470.64 | 21.55 | 26.18 | -140.17 | -411.23 | -1,172.04 | 1,958.38 | 1,925.02 | 33.36 | 58.702 | | |
| 5,200.00 | 5,087.11 | 4,747.02 | 4,556.40 | 22.02 | 26.78 | -140.11 | -418.64 | -1,199.11 | 2,001.45 | 1,967.37 | 34.08 | 58.730 | | |
| 5,300.00 | 5,184.58 | 4,837.25 | 4,642.15 | 22.49 | 27.37 | -140.06 | -426.06 | -1,226.17 | 2,044.52 | 2,009.73 | 34.80 | 58.757 | | |
| 5,400.00 | 5,282.06 | 4,927.48 | 4,727.91 | 22.96 | 27.96 | -140.00 | -433.48 | -1,253.23 | 2,087.59 | 2,052.08 | 35.51 | 58.783 | | |
| 5,500.00 | 5,379.53 | 5,017.71 | 4,813.67 | 23.43 | 28.55 | -139.95 | -440.90 | -1,280.30 | 2,130.67 | 2,094.43 | 36.23 | 58.807 | | |
| 5,600.00 | 5,477.01 | 5,107.94 | 4,899.43 | 23.89 | 29.15 | -139.90 | -448.31 | -1,307.36 | 2,173.74 | 2,136.79 | 36.95 | 58.830 | | |
| 5,700.00 | 5,574.48 | 5,198.17 | 4,985.18 | 24.36 | 29.74 | -139.85 | -455.73 | -1,334.42 | 2,216.82 | 2,179.15 | 37.67 | 58.852 | | |
| 5,800.00 | 5,671.96 | 5,288.41 | 5,070.94 | 24.83 | 30.33 | -139.81 | -463.15 | -1,361.49 | 2,259.89 | 2,221.51 | 38.39 | 58.873 | | |
| 5,900.00 | 5,769.43 | 5,378.64 | 5,156.70 | 25.30 | 30.93 | -139.76 | -470.57 | -1,388.55 | 2,302.97 | 2,263.87 | 39.10 | 58.894 | | |
| 6,000.00 | 5,866.90 | 5,468.87 | 5,242.45 | 25.76 | 31.52 | -139.72 | -477.99 | -1,415.61 | 2,346.05 | 2,306.23 | 39.82 | 58.913 | | |
| 6,100.00 | 5,964.38 | 5,559.10 | 5,328.21 | 26.23 | 32.11 | -139.68 | -485.40 | -1,442.68 | 2,389.13 | 2,348.59 | 40.54 | 58.931 | | |
| 6,200.00 | 6,061.85 | 5,649.33 | 5,413.97 | 26.70 | 32.71 | -139.64 | -492.82 | -1,469.74 | 2,432.21 | 2,390.95 | 41.26 | 58.949 | | |
| 6,300.00 | 6,159.33 | 5,739.56 | 5,499.73 | 27.17 | 33.30 | -139.60 | -500.24 | -1,496.80 | 2,475.29 | 2,433.31 | 41.98 | 58.966 | | |
| 6,400.00 | 6,256.80 | 5,829.79 | 5,585.48 | 27.64 | 33.89 | -139.56 | -507.66 | -1,523.87 | 2,518.38 | 2,475.68 | 42.70 | 58.982 | | |
| 6,500.00 | 6,354.36 | 5,920.14 | 5,671.35 | 28.08 | 34.49 | -139.80 | -515.08 | -1,550.97 | 2,561.20 | 2,517.67 | 43.53 | 58.835 | | |
| 6,600.00 | 6,452.52 | 6,011.38 | 5,758.07 | 28.40 | 35.09 | -140.29 | -522.58 | -1,578.33 | 2,601.96 | 2,557.53 | 44.43 | 58.568 | | |
| 6,700.00 | 6,551.29 | 6,103.57 | 5,845.68 | 28.69 | 35.69 | -140.68 | -530.16 | -1,605.98 | 2,640.26 | 2,594.99 | 45.27 | 58.328 | | |
| 6,800.00 | 6,650.55 | 6,196.59 | 5,934.09 | 28.94 | 36.30 | -140.98 | -537.81 | -1,633.88 | 2,676.07 | 2,630.02 | 46.05 | 58.117 | | |
| 6,900.00 | 6,750.16 | 6,290.33 | 6,023.18 | 29.14 | 36.92 | -141.19 | -545.52 | -1,662.00 | 2,709.36 | 2,662.60 | 46.76 | 57.937 | | |
| 7,000.00 | 6,850.02 | 6,384.60 | 6,109.57 | 29.30 | 37.56 | -140.73 | -550.50 | -1,693.14 | 2,737.44 | 2,689.34 | 47.50 | 57.691 | | |
| 7,100.00 | 6,950.00 | 6,479.23 | 6,196.13 | 29.42 | 38.17 | -135.39 | -556.26 | -1,724.64 | 2,767.71 | 2,719.42 | 48.24 | 57.438 | | |
| 7,200.00 | 7,050.00 | 6,574.10 | 6,283.00 | 29.53 | 38.77 | -135.39 | -562.06 | -1,756.64 | 2,797.71 | 2,749.16 | 48.98 | 57.185 | | |
| 7,300.00 | 7,150.00 | 6,669.10 | 6,370.00 | 29.64 | 39.37 | -135.39 | -567.91 | -1,788.64 | 2,827.71 | 2,779.90 | 49.72 | 56.932 | | |
| 7,400.00 | 7,250.00 | 6,764.10 | 6,457.00 | 29.75 | 39.97 | -135.39 | -573.81 | -1,820.64 | 2,857.71 | 2,810.64 | 50.46 | 56.679 | | |
| 7,500.00 | 7,350.00 | 6,859.10 | 6,544.00 | 29.87 | 40.57 | -135.39 | -579.76 | -1,852.64 | 2,887.71 | 2,840.64 | 51.20 | 56.426 | | |
| 7,600.00 | 7,450.00 | 6,954.10 | 6,631.00 | 29.98 | 41.17 | -135.39 | -585.76 | -1,884.64 | 2,917.71 | 2,870.64 | 51.94 | 56.173 | | |
| 7,700.00 | 7,550.00 | 7,049.10 | 6,718.00 | 30.10 | 41.77 | -135.39 | -591.81 | -1,916.64 | 2,947.71 | 2,900.64 | 52.68 | 55.920 | | |
| 7,800.00 | 7,650.00 | 7,144.10 | 6,805.00 | 30.21 | 42.37 | -135.39 | -597.91 | -1,948.64 | 2,977.71 | 2,930.64 | 53.42 | 55.667 | | |
| 7,900.00 | 7,750.00 | 7,239.10 | 6,892.00 | 30.33 | 42.97 | -135.39 | -604.06 | -1,980.64 | 3,007.71 | 2,960.64 | 54.16 | 55.414 | | |
| 8,000.00 | 7,850.00 | 7,334.10 | 6,979.00 | 30.45 | 43.57 | -135.39 | -610.26 | -2,012.64 | 3,037.71 | 2,990.64 | 54.90 | 55.161 | | |

| | | | |
|---------------------------|-----------------------------|-------------------------------------|---|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well DACONO 3-2 |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Reference Site: | WELD_DACANO 6-2-9F PAD | MD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Site Error: | 0.00 ft | North Reference: | Grid |
| Reference Well: | DACONO 3-2 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | OH | Database: | EDM5000-RobertS-Local |
| Reference Design: | DACONO 3-2(wp01) | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|---------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|--------------------|---------|
| Survey Program: 0-SDI MWD | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | |
| 5,000.00 | 4,892.16 | 4,903.01 | 4,713.33 | 21.09 | 26.51 | -95.24 | 927.01 | -827.43 | 930.75 | 887.99 | 42.76 | 21.768 | CC, ES |
| 5,100.00 | 4,989.63 | 5,000.60 | 4,806.31 | 21.55 | 27.12 | -95.16 | 949.44 | -846.82 | 952.50 | 908.80 | 43.70 | 21.795 | |
| 5,200.00 | 5,087.11 | 5,098.20 | 4,899.30 | 22.02 | 27.72 | -95.08 | 971.86 | -866.20 | 974.26 | 929.61 | 44.65 | 21.821 | |
| 5,300.00 | 5,184.58 | 5,195.80 | 4,992.28 | 22.49 | 28.33 | -95.01 | 994.29 | -885.59 | 996.02 | 950.42 | 45.59 | 21.845 | |
| 5,400.00 | 5,282.06 | 5,293.39 | 5,085.27 | 22.96 | 28.94 | -94.93 | 1,016.71 | -904.98 | 1,017.77 | 971.23 | 46.54 | 21.869 | |
| 5,500.00 | 5,379.53 | 5,390.99 | 5,178.26 | 23.43 | 29.55 | -94.87 | 1,039.14 | -924.37 | 1,039.53 | 992.05 | 47.49 | 21.892 | |
| 5,600.00 | 5,477.01 | 5,488.59 | 5,271.24 | 23.89 | 30.16 | -94.80 | 1,061.56 | -943.76 | 1,061.30 | 1,012.86 | 48.43 | 21.913 | |
| 5,700.00 | 5,574.48 | 5,586.18 | 5,364.23 | 24.36 | 30.77 | -94.74 | 1,083.99 | -963.15 | 1,083.06 | 1,033.68 | 49.38 | 21.934 | |
| 5,800.00 | 5,671.96 | 5,683.78 | 5,457.21 | 24.83 | 31.38 | -94.68 | 1,106.41 | -982.54 | 1,104.82 | 1,054.50 | 50.32 | 21.955 | |
| 5,900.00 | 5,769.43 | 5,781.38 | 5,550.20 | 25.30 | 31.99 | -94.62 | 1,128.84 | -1,001.93 | 1,126.59 | 1,075.32 | 51.27 | 21.974 | |
| 6,000.00 | 5,866.90 | 5,878.97 | 5,643.18 | 25.76 | 32.59 | -94.56 | 1,151.27 | -1,021.31 | 1,148.35 | 1,096.14 | 52.21 | 21.993 | |
| 6,100.00 | 5,964.38 | 5,976.57 | 5,736.17 | 26.23 | 33.20 | -94.51 | 1,173.69 | -1,040.70 | 1,170.12 | 1,116.96 | 53.16 | 22.011 | |
| 6,200.00 | 6,061.85 | 6,074.16 | 5,829.15 | 26.70 | 33.81 | -94.46 | 1,196.12 | -1,060.09 | 1,191.89 | 1,137.78 | 54.11 | 22.029 | |
| 6,300.00 | 6,159.33 | 6,171.76 | 5,922.14 | 27.17 | 34.42 | -94.41 | 1,218.54 | -1,079.48 | 1,213.66 | 1,158.60 | 55.05 | 22.045 | |
| 6,400.00 | 6,256.80 | 6,269.36 | 6,015.12 | 27.64 | 35.03 | -94.36 | 1,240.97 | -1,098.87 | 1,235.43 | 1,179.43 | 56.00 | 22.062 | |
| 6,500.00 | 6,354.36 | 6,378.67 | 6,119.36 | 28.08 | 35.68 | -94.50 | 1,265.87 | -1,120.40 | 1,257.03 | 1,200.03 | 57.00 | 22.051 | |
| 6,600.00 | 6,452.52 | 6,516.00 | 6,251.69 | 28.40 | 36.29 | -94.79 | 1,293.59 | -1,144.37 | 1,276.12 | 1,218.18 | 57.94 | 22.024 | |
| 6,700.00 | 6,551.29 | 6,654.99 | 6,387.26 | 28.69 | 36.80 | -95.03 | 1,316.74 | -1,164.38 | 1,291.86 | 1,233.11 | 58.75 | 21.989 | |
| 6,800.00 | 6,650.55 | 6,795.36 | 6,525.52 | 28.94 | 37.24 | -95.21 | 1,335.04 | -1,180.20 | 1,304.18 | 1,244.73 | 59.44 | 21.940 | |
| 6,900.00 | 6,750.16 | 6,936.78 | 6,665.84 | 29.14 | 37.57 | -95.34 | 1,348.27 | -1,191.65 | 1,313.01 | 1,253.02 | 60.00 | 21.885 | |
| 7,000.00 | 6,850.02 | 7,078.92 | 6,807.57 | 29.30 | 37.82 | -95.41 | 1,356.28 | -1,198.57 | 1,318.33 | 1,257.91 | 60.43 | 21.818 | |
| 7,100.00 | 6,950.00 | 7,221.42 | 6,950.00 | 29.42 | 37.97 | -90.47 | 1,358.96 | -1,200.89 | 1,320.11 | 1,259.38 | 60.72 | 21.740 | |
| 7,200.00 | 7,050.00 | 7,321.42 | 7,050.00 | 29.53 | 38.05 | -90.47 | 1,358.96 | -1,200.89 | 1,320.11 | 1,259.18 | 60.93 | 21.666 | |
| 7,300.00 | 7,150.00 | 7,421.42 | 7,150.00 | 29.64 | 38.14 | -90.47 | 1,358.96 | -1,200.89 | 1,320.11 | 1,258.96 | 61.14 | 21.591 | |
| 7,400.00 | 7,250.00 | 7,521.42 | 7,250.00 | 29.75 | 38.23 | -90.47 | 1,358.96 | -1,200.89 | 1,320.11 | 1,258.75 | 61.36 | 21.515 | |
| 7,500.00 | 7,350.00 | 7,621.42 | 7,350.00 | 29.87 | 38.32 | -90.47 | 1,358.96 | -1,200.89 | 1,320.11 | 1,258.53 | 61.58 | 21.439 | |
| 7,600.00 | 7,450.00 | 7,721.42 | 7,450.00 | 29.98 | 38.41 | -90.47 | 1,358.96 | -1,200.89 | 1,320.11 | 1,258.31 | 61.80 | 21.363 | |
| 7,700.00 | 7,550.00 | 7,821.42 | 7,550.00 | 30.10 | 38.51 | -90.47 | 1,358.96 | -1,200.89 | 1,320.11 | 1,258.09 | 62.02 | 21.286 | |
| 7,800.00 | 7,650.00 | 7,921.42 | 7,650.00 | 30.21 | 38.60 | -90.47 | 1,358.96 | -1,200.89 | 1,320.11 | 1,257.86 | 62.24 | 21.209 | |
| 7,900.00 | 7,750.00 | 8,021.42 | 7,750.00 | 30.33 | 38.70 | -90.47 | 1,358.96 | -1,200.89 | 1,320.11 | 1,257.64 | 62.47 | 21.132 | |
| 8,000.00 | 7,850.00 | 8,121.42 | 7,850.00 | 30.45 | 38.79 | -90.47 | 1,358.96 | -1,200.89 | 1,320.11 | 1,257.41 | 62.70 | 21.054 | SF |

| | | | |
|---------------------------|-----------------------------|-------------------------------------|---|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well DACONO 3-2 |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Reference Site: | WELD_DACANO 6-2-9F PAD | MD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Site Error: | 0.00 ft | North Reference: | Grid |
| Reference Well: | DACONO 3-2 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | OH | Database: | EDM5000-RobertS-Local |
| Reference Design: | DACONO 3-2(wp01) | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|---------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-SDI MWD | | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 5,000.00 | 4,892.16 | 4,811.85 | 4,732.91 | 21.09 | 19.04 | -140.39 | 1.08 | -818.87 | 1,337.47 | 1,304.70 | 32.77 | 40.815 | CC, ES | |
| 5,100.00 | 4,989.63 | 4,907.52 | 4,826.75 | 21.55 | 19.46 | -140.34 | 2.91 | -837.37 | 1,366.57 | 1,333.08 | 33.48 | 40.814 | | |
| 5,200.00 | 5,087.11 | 5,003.18 | 4,920.59 | 22.02 | 19.87 | -140.29 | 4.74 | -855.88 | 1,395.67 | 1,361.47 | 34.20 | 40.814 | | |
| 5,300.00 | 5,184.58 | 5,098.85 | 5,014.43 | 22.49 | 20.29 | -140.25 | 6.57 | -874.39 | 1,424.77 | 1,389.86 | 34.91 | 40.813 | | |
| 5,400.00 | 5,282.06 | 5,194.52 | 5,108.27 | 22.96 | 20.71 | -140.20 | 8.40 | -892.89 | 1,453.88 | 1,418.25 | 35.62 | 40.813 | | |
| 5,500.00 | 5,379.53 | 5,290.18 | 5,202.11 | 23.43 | 21.12 | -140.16 | 10.22 | -911.40 | 1,482.98 | 1,446.64 | 36.34 | 40.812 | | |
| 5,600.00 | 5,477.01 | 5,385.85 | 5,295.95 | 23.89 | 21.54 | -140.12 | 12.05 | -929.91 | 1,512.08 | 1,475.03 | 37.05 | 40.812 | | |
| 5,700.00 | 5,574.48 | 5,481.51 | 5,389.79 | 24.36 | 21.95 | -140.09 | 13.88 | -948.41 | 1,541.19 | 1,503.43 | 37.76 | 40.811 | | |
| 5,800.00 | 5,671.96 | 5,577.18 | 5,483.63 | 24.83 | 22.37 | -140.05 | 15.71 | -966.92 | 1,570.30 | 1,531.82 | 38.48 | 40.810 | | |
| 5,900.00 | 5,769.43 | 5,672.84 | 5,577.48 | 25.30 | 22.79 | -140.02 | 17.54 | -985.43 | 1,599.40 | 1,560.21 | 39.19 | 40.809 | | |
| 6,000.00 | 5,866.90 | 5,768.51 | 5,671.32 | 25.76 | 23.20 | -139.98 | 19.36 | -1,003.93 | 1,628.51 | 1,588.60 | 39.91 | 40.808 | | |
| 6,100.00 | 5,964.38 | 5,864.18 | 5,765.16 | 26.23 | 23.62 | -139.95 | 21.19 | -1,022.44 | 1,657.62 | 1,617.00 | 40.62 | 40.807 | | |
| 6,200.00 | 6,061.85 | 5,959.84 | 5,859.00 | 26.70 | 24.04 | -139.92 | 23.02 | -1,040.95 | 1,686.73 | 1,645.39 | 41.34 | 40.806 | | |
| 6,300.00 | 6,159.33 | 6,055.51 | 5,952.84 | 27.17 | 24.45 | -139.89 | 24.85 | -1,059.45 | 1,715.83 | 1,673.78 | 42.05 | 40.805 | | |
| 6,400.00 | 6,256.80 | 6,151.17 | 6,046.68 | 27.64 | 24.87 | -139.86 | 26.68 | -1,077.96 | 1,744.94 | 1,702.18 | 42.76 | 40.804 | | |
| 6,500.00 | 6,354.36 | 6,246.92 | 6,140.60 | 28.08 | 25.29 | -140.00 | 28.51 | -1,096.48 | 1,773.78 | 1,730.26 | 43.52 | 40.756 | | |
| 6,600.00 | 6,452.52 | 6,343.25 | 6,235.10 | 28.40 | 25.71 | -140.25 | 30.35 | -1,115.12 | 1,800.42 | 1,756.16 | 44.26 | 40.676 | | |
| 6,700.00 | 6,551.29 | 6,440.17 | 6,330.17 | 28.69 | 26.13 | -140.40 | 32.20 | -1,133.87 | 1,824.47 | 1,779.52 | 44.96 | 40.581 | | |
| 6,800.00 | 6,650.55 | 6,560.05 | 6,447.86 | 28.94 | 26.61 | -140.40 | 34.44 | -1,156.53 | 1,845.73 | 1,800.07 | 45.66 | 40.421 | | |
| 6,900.00 | 6,750.16 | 6,726.04 | 6,612.03 | 29.14 | 27.07 | -140.30 | 36.83 | -1,180.75 | 1,861.60 | 1,815.27 | 46.33 | 40.182 | | |
| 7,000.00 | 6,850.02 | 6,894.73 | 6,780.03 | 29.30 | 27.41 | -140.23 | 38.30 | -1,195.64 | 1,871.18 | 1,824.34 | 46.84 | 39.947 | | |
| 7,100.00 | 6,950.00 | 7,064.80 | 6,950.00 | 29.42 | 27.63 | -135.24 | 38.80 | -1,200.66 | 1,874.37 | 1,827.16 | 47.21 | 39.704 | | |
| 7,200.00 | 7,050.00 | 7,164.80 | 7,050.00 | 29.53 | 27.75 | -135.24 | 38.80 | -1,200.66 | 1,874.37 | 1,826.89 | 47.48 | 39.477 | | |
| 7,300.00 | 7,150.00 | 7,264.80 | 7,150.00 | 29.64 | 27.87 | -135.24 | 38.80 | -1,200.66 | 1,874.37 | 1,826.61 | 47.76 | 39.248 | | |
| 7,400.00 | 7,250.00 | 7,364.80 | 7,250.00 | 29.75 | 27.99 | -135.24 | 38.80 | -1,200.66 | 1,874.37 | 1,826.33 | 48.04 | 39.020 | | |
| 7,500.00 | 7,350.00 | 7,464.80 | 7,350.00 | 29.87 | 28.11 | -135.24 | 38.80 | -1,200.66 | 1,874.37 | 1,826.05 | 48.32 | 38.793 | | |
| 7,600.00 | 7,450.00 | 7,564.80 | 7,450.00 | 29.98 | 28.23 | -135.24 | 38.80 | -1,200.66 | 1,874.37 | 1,825.76 | 48.60 | 38.566 | | |
| 7,700.00 | 7,550.00 | 7,664.80 | 7,550.00 | 30.10 | 28.36 | -135.24 | 38.80 | -1,200.66 | 1,874.37 | 1,825.48 | 48.89 | 38.340 | | |
| 7,800.00 | 7,650.00 | 7,764.80 | 7,650.00 | 30.21 | 28.48 | -135.24 | 38.80 | -1,200.66 | 1,874.37 | 1,825.19 | 49.18 | 38.114 | | |
| 7,900.00 | 7,750.00 | 7,864.80 | 7,750.00 | 30.33 | 28.61 | -135.24 | 38.80 | -1,200.66 | 1,874.37 | 1,824.90 | 49.47 | 37.890 | | |
| 8,000.00 | 7,850.00 | 7,964.80 | 7,850.00 | 30.45 | 28.74 | -135.24 | 38.80 | -1,200.66 | 1,874.37 | 1,824.60 | 49.76 | 37.666 | SF | |

| | | | |
|---------------------------|-----------------------------|-------------------------------------|---|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well DACONO 3-2 |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Reference Site: | WELD_DACANO 6-2-9F PAD | MD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Site Error: | 0.00 ft | North Reference: | Grid |
| Reference Well: | DACONO 3-2 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | OH | Database: | EDM5000-RobertS-Local |
| Reference Design: | DACONO 3-2(wp01) | Offset TVD Reference: | Offset Datum |

| Offset Design WELD_DACANO 6-2-9F PAD - DACONO 6-2 - OH - DACONO 6-2(wp01) | | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|---|------------------------|------------------------|------------------------|-------------------|----------------|-----------------------------|---|---------------|----------------------------|-----------------------------|-------------------------------|----------------------|--------------------|---------|
| Survey Program: 0-SDI MWD | | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 5,000.00 | 4,892.16 | 4,898.90 | 4,892.16 | 21.09 | 11.02 | 172.71 | 49.52 | 119.19 | 925.29 | 901.33 | 23.96 | 38.615 | CC, ES | |
| 5,100.00 | 4,989.63 | 4,996.37 | 4,989.63 | 21.55 | 11.23 | 172.88 | 49.52 | 119.19 | 947.46 | 923.02 | 24.44 | 38.765 | | |
| 5,200.00 | 5,087.11 | 5,093.85 | 5,087.11 | 22.02 | 11.44 | 173.05 | 49.52 | 119.19 | 969.63 | 944.71 | 24.92 | 38.909 | | |
| 5,300.00 | 5,184.58 | 5,191.32 | 5,184.58 | 22.49 | 11.65 | 173.20 | 49.52 | 119.19 | 991.81 | 966.41 | 25.40 | 39.047 | | |
| 5,400.00 | 5,282.06 | 5,288.80 | 5,282.06 | 22.96 | 11.86 | 173.35 | 49.52 | 119.19 | 1,014.00 | 988.11 | 25.88 | 39.179 | | |
| 5,500.00 | 5,379.53 | 5,386.27 | 5,379.53 | 23.43 | 12.08 | 173.50 | 49.52 | 119.19 | 1,036.19 | 1,009.83 | 26.36 | 39.306 | | |
| 5,600.00 | 5,477.01 | 5,483.75 | 5,477.01 | 23.89 | 12.29 | 173.63 | 49.52 | 119.19 | 1,058.39 | 1,031.54 | 26.84 | 39.427 | | |
| 5,700.00 | 5,574.48 | 5,581.22 | 5,574.48 | 24.36 | 12.50 | 173.76 | 49.52 | 119.19 | 1,080.59 | 1,053.26 | 27.33 | 39.545 | | |
| 5,800.00 | 5,671.96 | 5,678.70 | 5,671.96 | 24.83 | 12.71 | 173.89 | 49.52 | 119.19 | 1,102.80 | 1,074.99 | 27.81 | 39.657 | | |
| 5,900.00 | 5,769.43 | 5,776.17 | 5,769.43 | 25.30 | 12.92 | 174.01 | 49.52 | 119.19 | 1,125.01 | 1,096.72 | 28.29 | 39.766 | | |
| 6,000.00 | 5,866.90 | 5,873.64 | 5,866.90 | 25.76 | 13.14 | 174.13 | 49.52 | 119.19 | 1,147.23 | 1,118.46 | 28.77 | 39.870 | | |
| 6,100.00 | 5,964.38 | 5,971.12 | 5,964.38 | 26.23 | 13.35 | 174.24 | 49.52 | 119.19 | 1,169.45 | 1,140.19 | 29.26 | 39.971 | | |
| 6,200.00 | 6,061.85 | 6,068.59 | 6,061.85 | 26.70 | 13.56 | 174.35 | 49.52 | 119.19 | 1,191.68 | 1,161.94 | 29.74 | 40.068 | | |
| 6,300.00 | 6,159.33 | 6,166.07 | 6,159.33 | 27.17 | 13.77 | 174.45 | 49.52 | 119.19 | 1,213.91 | 1,183.68 | 30.23 | 40.162 | | |
| 6,400.00 | 6,256.80 | 6,263.54 | 6,256.80 | 27.64 | 13.99 | 174.55 | 49.52 | 119.19 | 1,236.14 | 1,205.43 | 30.71 | 40.252 | | |
| 6,500.00 | 6,354.36 | 6,361.10 | 6,354.36 | 28.08 | 14.20 | 174.66 | 49.52 | 119.19 | 1,258.02 | 1,226.80 | 31.22 | 40.297 | | |
| 6,600.00 | 6,452.52 | 6,459.26 | 6,452.52 | 28.40 | 14.42 | 174.78 | 49.52 | 119.19 | 1,276.99 | 1,245.28 | 31.70 | 40.280 | | |
| 6,700.00 | 6,551.29 | 6,558.03 | 6,551.29 | 28.69 | 14.63 | 174.87 | 49.52 | 119.19 | 1,292.53 | 1,260.39 | 32.15 | 40.208 | | |
| 6,800.00 | 6,650.55 | 6,657.29 | 6,650.55 | 28.94 | 14.85 | 174.94 | 49.52 | 119.19 | 1,304.64 | 1,272.09 | 32.55 | 40.083 | | |
| 6,900.00 | 6,750.16 | 6,756.90 | 6,750.16 | 29.14 | 15.07 | 174.99 | 49.52 | 119.19 | 1,313.28 | 1,280.38 | 32.91 | 39.908 | | |
| 7,000.00 | 6,850.02 | 6,856.76 | 6,850.02 | 29.30 | 15.29 | 175.02 | 49.52 | 119.19 | 1,318.46 | 1,285.24 | 33.22 | 39.684 | | |
| 7,100.00 | 6,950.00 | 6,956.74 | 6,950.00 | 29.42 | 15.51 | 180.00 | 49.52 | 119.19 | 1,320.17 | 1,286.67 | 33.50 | 39.411 | | |
| 7,200.00 | 7,050.00 | 7,056.74 | 7,050.00 | 29.53 | 15.73 | 180.00 | 49.52 | 119.19 | 1,320.17 | 1,286.26 | 33.90 | 38.939 | | |
| 7,300.00 | 7,150.00 | 7,156.74 | 7,150.00 | 29.64 | 15.95 | 180.00 | 49.52 | 119.19 | 1,320.17 | 1,285.86 | 34.31 | 38.477 | | |
| 7,400.00 | 7,250.00 | 7,256.74 | 7,250.00 | 29.75 | 16.17 | 180.00 | 49.52 | 119.19 | 1,320.17 | 1,285.45 | 34.72 | 38.025 | | |
| 7,500.00 | 7,350.00 | 7,356.74 | 7,350.00 | 29.87 | 16.39 | 180.00 | 49.52 | 119.19 | 1,320.17 | 1,285.04 | 35.13 | 37.582 | | |
| 7,600.00 | 7,450.00 | 7,456.74 | 7,450.00 | 29.98 | 16.61 | 180.00 | 49.52 | 119.19 | 1,320.17 | 1,284.63 | 35.54 | 37.149 | | |
| 7,700.00 | 7,550.00 | 7,556.74 | 7,550.00 | 30.10 | 16.83 | 180.00 | 49.52 | 119.19 | 1,320.17 | 1,284.22 | 35.95 | 36.724 | | |
| 7,800.00 | 7,650.00 | 7,656.74 | 7,650.00 | 30.21 | 17.05 | 180.00 | 49.52 | 119.19 | 1,320.17 | 1,283.81 | 36.36 | 36.309 | | |
| 7,900.00 | 7,750.00 | 7,756.74 | 7,750.00 | 30.33 | 17.27 | 180.00 | 49.52 | 119.19 | 1,320.17 | 1,283.39 | 36.77 | 35.901 | | |
| 8,000.00 | 7,850.00 | 7,856.74 | 7,850.00 | 30.45 | 17.49 | 180.00 | 49.52 | 119.19 | 1,320.17 | 1,282.98 | 37.19 | 35.502 | SF | |

| | | | |
|---------------------------|-----------------------------|-------------------------------------|---|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well DACONO 3-2 |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Reference Site: | WELD_DACANO 6-2-9F PAD | MD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Site Error: | 0.00 ft | North Reference: | Grid |
| Reference Well: | DACONO 3-2 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | OH | Database: | EDM5000-RobertS-Local |
| Reference Design: | DACONO 3-2(wp01) | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|---------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|--------------------|---------|
| Survey Program: 0-SDI MWD | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | |
| 5,000.00 | 4,892.16 | 5,014.01 | 5,011.04 | 21.09 | 11.50 | -74.72 | 1,550.42 | -1,458.43 | 1,647.39 | 1,615.24 | 32.15 | 51.246 | |
| 5,100.00 | 4,989.63 | 5,112.20 | 5,109.17 | 21.55 | 11.73 | -75.35 | 1,553.85 | -1,458.43 | 1,642.71 | 1,609.84 | 32.87 | 49.972 | |
| 5,200.00 | 5,087.11 | 5,210.39 | 5,207.30 | 22.02 | 11.95 | -75.98 | 1,557.28 | -1,458.43 | 1,638.24 | 1,604.65 | 33.60 | 48.759 | |
| 5,287.95 | 5,172.84 | 5,227.10 | 5,224.00 | 22.43 | 11.99 | -76.09 | 1,557.86 | -1,458.43 | 1,635.97 | 1,601.92 | 34.05 | 48.047 CC | |
| 5,300.00 | 5,184.58 | 5,227.10 | 5,224.00 | 22.49 | 11.99 | -76.09 | 1,557.86 | -1,458.43 | 1,636.01 | 1,601.91 | 34.10 | 47.971 ES | |
| 5,400.00 | 5,282.06 | 5,227.10 | 5,224.00 | 22.96 | 11.99 | -76.09 | 1,557.86 | -1,458.43 | 1,639.80 | 1,605.23 | 34.56 | 47.441 | |
| 5,500.00 | 5,379.53 | 5,227.10 | 5,224.00 | 23.43 | 11.99 | -76.09 | 1,557.86 | -1,458.43 | 1,649.65 | 1,614.63 | 35.03 | 47.099 | |
| 5,600.00 | 5,477.01 | 5,227.10 | 5,224.00 | 23.89 | 11.99 | -76.09 | 1,557.86 | -1,458.43 | 1,665.46 | 1,629.97 | 35.49 | 46.934 | |
| 5,700.00 | 5,574.48 | 5,227.10 | 5,224.00 | 24.36 | 11.99 | -76.09 | 1,557.86 | -1,458.43 | 1,687.06 | 1,651.11 | 35.95 | 46.933 SF | |
| 5,800.00 | 5,671.96 | 5,227.10 | 5,224.00 | 24.83 | 11.99 | -76.09 | 1,557.86 | -1,458.43 | 1,714.23 | 1,677.82 | 36.41 | 47.086 | |
| 5,900.00 | 5,769.43 | 5,227.10 | 5,224.00 | 25.30 | 11.99 | -76.09 | 1,557.86 | -1,458.43 | 1,746.71 | 1,709.84 | 36.87 | 47.379 | |
| 6,000.00 | 5,866.90 | 5,227.10 | 5,224.00 | 25.76 | 11.99 | -76.09 | 1,557.86 | -1,458.43 | 1,784.21 | 1,746.88 | 37.33 | 47.799 | |
| 6,100.00 | 5,964.38 | 5,227.10 | 5,224.00 | 26.23 | 11.99 | -76.09 | 1,557.86 | -1,458.43 | 1,826.42 | 1,788.63 | 37.79 | 48.334 | |
| 6,200.00 | 6,061.85 | 5,227.10 | 5,224.00 | 26.70 | 11.99 | -76.09 | 1,557.86 | -1,458.43 | 1,873.02 | 1,834.77 | 38.25 | 48.970 | |
| 6,300.00 | 6,159.33 | 5,227.10 | 5,224.00 | 27.17 | 11.99 | -76.09 | 1,557.86 | -1,458.43 | 1,923.70 | 1,884.99 | 38.71 | 49.697 | |
| 6,400.00 | 6,256.80 | 5,227.10 | 5,224.00 | 27.64 | 11.99 | -76.09 | 1,557.86 | -1,458.43 | 1,978.14 | 1,938.97 | 39.17 | 50.502 | |
| 6,500.00 | 6,354.36 | 5,227.10 | 5,224.00 | 28.08 | 11.99 | -76.74 | 1,557.86 | -1,458.43 | 2,036.11 | 1,996.45 | 39.65 | 51.346 | |
| 6,600.00 | 6,452.52 | 5,227.10 | 5,224.00 | 28.40 | 11.99 | -78.27 | 1,557.86 | -1,458.43 | 2,097.77 | 2,057.68 | 40.09 | 52.326 | |
| 6,700.00 | 6,551.29 | 5,227.10 | 5,224.00 | 28.69 | 11.99 | -79.96 | 1,557.86 | -1,458.43 | 2,162.83 | 2,122.35 | 40.48 | 53.427 | |
| 6,800.00 | 6,650.55 | 5,227.10 | 5,224.00 | 28.94 | 11.99 | -81.79 | 1,557.86 | -1,458.43 | 2,230.92 | 2,190.09 | 40.83 | 54.646 | |
| 6,900.00 | 6,750.16 | 5,227.10 | 5,224.00 | 29.14 | 11.99 | -83.78 | 1,557.86 | -1,458.43 | 2,301.68 | 2,260.57 | 41.11 | 55.985 | |
| 7,000.00 | 6,850.02 | 5,227.10 | 5,224.00 | 29.30 | 11.99 | -85.92 | 1,557.86 | -1,458.43 | 2,374.81 | 2,333.47 | 41.34 | 57.446 | |
| 7,100.00 | 6,950.00 | 5,227.10 | 5,224.00 | 29.42 | 11.99 | -83.20 | 1,557.86 | -1,458.43 | 2,449.99 | 2,408.50 | 41.50 | 59.037 | |
| 7,200.00 | 7,050.00 | 5,227.10 | 5,224.00 | 29.53 | 11.99 | -83.20 | 1,557.86 | -1,458.43 | 2,526.95 | 2,485.34 | 41.61 | 60.731 | |
| 7,300.00 | 7,150.00 | 5,227.10 | 5,224.00 | 29.64 | 11.99 | -83.20 | 1,557.86 | -1,458.43 | 2,605.47 | 2,563.75 | 41.72 | 62.451 | |
| 7,400.00 | 7,250.00 | 5,227.10 | 5,224.00 | 29.75 | 11.99 | -83.20 | 1,557.86 | -1,458.43 | 2,685.42 | 2,643.59 | 41.83 | 64.195 | |
| 7,500.00 | 7,350.00 | 5,227.10 | 5,224.00 | 29.87 | 11.99 | -83.20 | 1,557.86 | -1,458.43 | 2,766.67 | 2,724.73 | 41.95 | 65.958 | |
| 7,600.00 | 7,450.00 | 5,227.10 | 5,224.00 | 29.98 | 11.99 | -83.20 | 1,557.86 | -1,458.43 | 2,849.12 | 2,807.06 | 42.06 | 67.738 | |
| 7,700.00 | 7,550.00 | 5,227.10 | 5,224.00 | 30.10 | 11.99 | -83.20 | 1,557.86 | -1,458.43 | 2,932.66 | 2,890.48 | 42.18 | 69.533 | |
| 7,800.00 | 7,650.00 | 5,227.10 | 5,224.00 | 30.21 | 11.99 | -83.20 | 1,557.86 | -1,458.43 | 3,017.20 | 2,974.90 | 42.29 | 71.339 | |
| 7,900.00 | 7,750.00 | 5,227.10 | 5,224.00 | 30.33 | 11.99 | -83.20 | 1,557.86 | -1,458.43 | 3,102.66 | 3,060.24 | 42.41 | 73.154 | |
| 8,000.00 | 7,850.00 | 5,227.10 | 5,224.00 | 30.45 | 11.99 | -83.20 | 1,557.86 | -1,458.43 | 3,188.96 | 3,146.43 | 42.53 | 74.978 | |

| | | | |
|---------------------------|-----------------------------|-------------------------------------|---|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well DACONO 3-2 |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Reference Site: | WELD_DACANO 6-2-9F PAD | MD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Site Error: | 0.00 ft | North Reference: | Grid |
| Reference Well: | DACONO 3-2 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | OH | Database: | EDM5000-RobertS-Local |
| Reference Design: | DACONO 3-2(wp01) | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|---------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|--------------------|---------|
| Survey Program: 0-SDI MWD | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | |
| 5,000.00 | 4,892.16 | 4,905.34 | 4,902.43 | 21.09 | 11.25 | -122.79 | 193.13 | -1,365.12 | 1,647.10 | 1,616.79 | 30.30 | 54.351 | CC, ES |
| 5,100.00 | 4,989.63 | 5,003.53 | 5,000.56 | 21.55 | 11.48 | -123.33 | 196.56 | -1,365.12 | 1,657.81 | 1,626.93 | 30.89 | 53.676 | |
| 5,200.00 | 5,087.11 | 5,101.72 | 5,098.70 | 22.02 | 11.70 | -123.86 | 199.99 | -1,365.12 | 1,668.67 | 1,637.21 | 31.46 | 53.036 | |
| 5,300.00 | 5,184.58 | 5,199.91 | 5,196.83 | 22.49 | 11.93 | -124.39 | 203.42 | -1,365.12 | 1,679.67 | 1,647.63 | 32.04 | 52.427 | |
| 5,400.00 | 5,282.06 | 5,222.10 | 5,219.00 | 22.96 | 11.98 | -124.50 | 204.19 | -1,365.12 | 1,692.52 | 1,660.03 | 32.49 | 52.093 | |
| 5,500.00 | 5,379.53 | 5,222.10 | 5,219.00 | 23.43 | 11.98 | -124.50 | 204.19 | -1,365.12 | 1,710.99 | 1,678.08 | 32.91 | 51.993 | SF |
| 5,600.00 | 5,477.01 | 5,222.10 | 5,219.00 | 23.89 | 11.98 | -124.50 | 204.19 | -1,365.12 | 1,735.03 | 1,701.70 | 33.33 | 52.063 | |
| 5,700.00 | 5,574.48 | 5,222.10 | 5,219.00 | 24.36 | 11.98 | -124.50 | 204.19 | -1,365.12 | 1,764.42 | 1,730.67 | 33.74 | 52.290 | |
| 5,800.00 | 5,671.96 | 5,222.10 | 5,219.00 | 24.83 | 11.98 | -124.50 | 204.19 | -1,365.12 | 1,798.89 | 1,764.73 | 34.16 | 52.660 | |
| 5,900.00 | 5,769.43 | 5,222.10 | 5,219.00 | 25.30 | 11.98 | -124.50 | 204.19 | -1,365.12 | 1,838.16 | 1,803.59 | 34.58 | 53.160 | |
| 6,000.00 | 5,866.90 | 5,222.10 | 5,219.00 | 25.76 | 11.98 | -124.50 | 204.19 | -1,365.12 | 1,881.94 | 1,846.94 | 35.00 | 53.777 | |
| 6,100.00 | 5,964.38 | 5,222.10 | 5,219.00 | 26.23 | 11.98 | -124.50 | 204.19 | -1,365.12 | 1,929.91 | 1,894.49 | 35.41 | 54.497 | |
| 6,200.00 | 6,061.85 | 5,222.10 | 5,219.00 | 26.70 | 11.98 | -124.50 | 204.19 | -1,365.12 | 1,981.76 | 1,945.93 | 35.83 | 55.309 | |
| 6,300.00 | 6,159.33 | 5,222.10 | 5,219.00 | 27.17 | 11.98 | -124.50 | 204.19 | -1,365.12 | 2,037.21 | 2,000.96 | 36.25 | 56.202 | |
| 6,400.00 | 6,256.80 | 5,222.10 | 5,219.00 | 27.64 | 11.98 | -124.50 | 204.19 | -1,365.12 | 2,095.96 | 2,059.30 | 36.67 | 57.164 | |
| 6,500.00 | 6,354.36 | 5,222.10 | 5,219.00 | 28.08 | 11.98 | -125.11 | 204.19 | -1,365.12 | 2,157.59 | 2,120.62 | 36.97 | 58.365 | |
| 6,600.00 | 6,452.52 | 5,222.10 | 5,219.00 | 28.40 | 11.98 | -126.43 | 204.19 | -1,365.12 | 2,220.70 | 2,183.65 | 37.05 | 59.934 | |
| 6,700.00 | 6,551.29 | 5,222.10 | 5,219.00 | 28.69 | 11.98 | -127.76 | 204.19 | -1,365.12 | 2,284.89 | 2,247.81 | 37.08 | 61.613 | |
| 6,800.00 | 6,650.55 | 5,222.10 | 5,219.00 | 28.94 | 11.98 | -129.11 | 204.19 | -1,365.12 | 2,350.00 | 2,312.93 | 37.06 | 63.402 | |
| 6,900.00 | 6,750.16 | 5,222.10 | 5,219.00 | 29.14 | 11.98 | -130.45 | 204.19 | -1,365.12 | 2,415.87 | 2,378.88 | 36.99 | 65.305 | |
| 7,000.00 | 6,850.02 | 5,222.10 | 5,219.00 | 29.30 | 11.98 | -131.79 | 204.19 | -1,365.12 | 2,482.37 | 2,445.50 | 36.87 | 67.324 | |
| 7,100.00 | 6,950.00 | 5,222.10 | 5,219.00 | 29.42 | 11.98 | -128.14 | 204.19 | -1,365.12 | 2,549.38 | 2,512.67 | 36.71 | 69.455 | |
| 7,200.00 | 7,050.00 | 5,222.10 | 5,219.00 | 29.53 | 11.98 | -128.14 | 204.19 | -1,365.12 | 2,617.66 | 2,580.82 | 36.84 | 71.059 | |
| 7,300.00 | 7,150.00 | 5,222.10 | 5,219.00 | 29.64 | 11.98 | -128.14 | 204.19 | -1,365.12 | 2,687.92 | 2,650.95 | 36.97 | 72.702 | |
| 7,400.00 | 7,250.00 | 5,222.10 | 5,219.00 | 29.75 | 11.98 | -128.14 | 204.19 | -1,365.12 | 2,760.02 | 2,722.92 | 37.11 | 74.381 | |
| 7,500.00 | 7,350.00 | 5,222.10 | 5,219.00 | 29.87 | 11.98 | -128.14 | 204.19 | -1,365.12 | 2,833.82 | 2,796.58 | 37.24 | 76.090 | |
| 7,600.00 | 7,450.00 | 5,222.10 | 5,219.00 | 29.98 | 11.98 | -128.14 | 204.19 | -1,365.12 | 2,909.18 | 2,871.80 | 37.38 | 77.826 | |
| 7,700.00 | 7,550.00 | 5,222.10 | 5,219.00 | 30.10 | 11.98 | -128.14 | 204.19 | -1,365.12 | 2,985.99 | 2,948.47 | 37.52 | 79.585 | |
| 7,800.00 | 7,650.00 | 5,222.10 | 5,219.00 | 30.21 | 11.98 | -128.14 | 204.19 | -1,365.12 | 3,064.14 | 3,026.48 | 37.66 | 81.365 | |
| 7,900.00 | 7,750.00 | 5,222.10 | 5,219.00 | 30.33 | 11.98 | -128.14 | 204.19 | -1,365.12 | 3,143.52 | 3,105.72 | 37.80 | 83.161 | |
| 8,000.00 | 7,850.00 | 5,222.10 | 5,219.00 | 30.45 | 11.98 | -128.14 | 204.19 | -1,365.12 | 3,224.06 | 3,186.11 | 37.94 | 84.971 | |

| | | | |
|---------------------------|-----------------------------|-------------------------------------|---|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well DACONO 3-2 |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Reference Site: | WELD_DACANO 6-2-9F PAD | MD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Site Error: | 0.00 ft | North Reference: | Grid |
| Reference Well: | DACONO 3-2 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | OH | Database: | EDM5000-RobertS-Local |
| Reference Design: | DACONO 3-2(wp01) | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|---------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|--------------------|---------|
| Survey Program: 0-SDI MWD | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | |
| 5,000.00 | 4,892.16 | 4,887.22 | 4,884.32 | 21.09 | 11.21 | -104.82 | 826.39 | -742.07 | 839.95 | 808.03 | 31.92 | 26.312 CC, ES | |
| 5,100.00 | 4,989.63 | 4,985.41 | 4,982.45 | 21.55 | 11.43 | -106.03 | 829.82 | -742.07 | 845.37 | 812.83 | 32.53 | 25.986 | |
| 5,200.00 | 5,087.11 | 5,083.60 | 5,080.58 | 22.02 | 11.66 | -107.23 | 833.24 | -742.07 | 851.17 | 818.04 | 33.13 | 25.690 | |
| 5,300.00 | 5,184.58 | 5,181.79 | 5,178.71 | 22.49 | 11.89 | -108.42 | 836.67 | -742.07 | 857.35 | 823.63 | 33.72 | 25.422 | |
| 5,400.00 | 5,282.06 | 5,279.98 | 5,276.85 | 22.96 | 12.12 | -109.58 | 840.10 | -742.07 | 863.91 | 829.60 | 34.31 | 25.180 | |
| 5,500.00 | 5,379.53 | 5,376.17 | 5,374.98 | 23.43 | 12.34 | -110.73 | 843.52 | -742.07 | 870.82 | 835.94 | 34.88 | 24.963 | |
| 5,600.00 | 5,477.01 | 5,476.37 | 5,473.11 | 23.89 | 12.57 | -111.86 | 846.95 | -742.07 | 878.09 | 842.64 | 35.45 | 24.768 | |
| 5,700.00 | 5,574.48 | 5,574.56 | 5,571.24 | 24.36 | 12.80 | -112.97 | 850.38 | -742.07 | 885.70 | 849.69 | 36.01 | 24.594 | |
| 5,800.00 | 5,671.96 | 5,672.75 | 5,669.37 | 24.83 | 13.03 | -114.07 | 853.80 | -742.07 | 893.65 | 857.09 | 36.57 | 24.440 | |
| 5,900.00 | 5,769.43 | 5,770.94 | 5,767.51 | 25.30 | 13.25 | -115.14 | 857.23 | -742.07 | 901.93 | 864.82 | 37.11 | 24.304 | |
| 6,000.00 | 5,866.90 | 5,869.13 | 5,865.64 | 25.76 | 13.48 | -116.20 | 860.66 | -742.07 | 910.53 | 872.88 | 37.65 | 24.185 | |
| 6,100.00 | 5,964.38 | 5,967.32 | 5,963.77 | 26.23 | 13.71 | -117.23 | 864.08 | -742.07 | 919.43 | 881.26 | 38.18 | 24.082 | |
| 6,200.00 | 6,061.85 | 6,065.51 | 6,061.90 | 26.70 | 13.94 | -118.25 | 867.51 | -742.07 | 928.64 | 889.94 | 38.70 | 23.993 | |
| 6,300.00 | 6,159.33 | 6,163.71 | 6,160.03 | 27.17 | 14.16 | -119.24 | 870.94 | -742.07 | 938.14 | 898.92 | 39.22 | 23.918 | |
| 6,400.00 | 6,256.80 | 6,261.90 | 6,258.16 | 27.64 | 14.39 | -120.22 | 874.36 | -742.07 | 947.92 | 908.19 | 39.73 | 23.856 | |
| 6,500.00 | 6,354.36 | 6,360.16 | 6,356.37 | 28.08 | 14.62 | -121.23 | 877.79 | -742.07 | 957.78 | 917.57 | 40.22 | 23.815 | |
| 6,600.00 | 6,452.52 | 6,458.93 | 6,455.07 | 28.40 | 14.85 | -122.16 | 881.24 | -742.07 | 966.32 | 925.71 | 40.62 | 23.792 | |
| 6,700.00 | 6,551.29 | 6,558.18 | 6,554.26 | 28.69 | 15.08 | -122.86 | 884.70 | -742.07 | 973.15 | 932.15 | 41.00 | 23.733 | |
| 6,800.00 | 6,650.55 | 6,657.79 | 6,653.82 | 28.94 | 15.31 | -123.37 | 888.18 | -742.07 | 978.17 | 936.79 | 41.38 | 23.637 | |
| 6,900.00 | 6,750.16 | 6,757.65 | 6,753.62 | 29.14 | 15.54 | -123.66 | 891.67 | -742.07 | 981.30 | 939.55 | 41.75 | 23.504 | |
| 7,000.00 | 6,850.02 | 6,857.63 | 6,853.53 | 29.30 | 15.77 | -123.76 | 895.15 | -742.07 | 982.51 | 940.40 | 42.11 | 23.333 | |
| 7,100.00 | 6,950.00 | 6,957.61 | 6,953.45 | 29.42 | 16.01 | -118.68 | 898.64 | -742.07 | 981.78 | 939.32 | 42.46 | 23.124 | |
| 7,200.00 | 7,050.00 | 7,057.55 | 7,053.33 | 29.53 | 16.24 | -118.50 | 902.13 | -742.07 | 980.11 | 937.27 | 42.84 | 22.878 | |
| 7,300.00 | 7,150.00 | 7,157.49 | 7,153.21 | 29.64 | 16.47 | -118.32 | 905.62 | -742.07 | 978.45 | 935.22 | 43.23 | 22.635 | |
| 7,400.00 | 7,250.00 | 7,257.43 | 7,253.09 | 29.75 | 16.70 | -118.14 | 909.11 | -742.07 | 976.80 | 933.18 | 43.61 | 22.397 | |
| 7,500.00 | 7,350.00 | 7,357.37 | 7,352.97 | 29.87 | 16.93 | -117.96 | 912.60 | -742.07 | 975.16 | 931.16 | 44.00 | 22.163 | |
| 7,600.00 | 7,450.00 | 7,457.31 | 7,452.84 | 29.98 | 17.16 | -117.78 | 916.08 | -742.07 | 973.52 | 929.14 | 44.39 | 21.932 | |
| 7,700.00 | 7,550.00 | 7,557.24 | 7,552.72 | 30.10 | 17.40 | -117.59 | 919.57 | -742.07 | 971.90 | 927.12 | 44.78 | 21.705 | |
| 7,800.00 | 7,650.00 | 7,657.18 | 7,652.60 | 30.21 | 17.63 | -117.41 | 923.06 | -742.07 | 970.29 | 925.12 | 45.17 | 21.482 | |
| 7,900.00 | 7,750.00 | 7,757.12 | 7,752.48 | 30.33 | 17.86 | -117.23 | 926.55 | -742.07 | 968.69 | 923.13 | 45.56 | 21.262 | |
| 8,000.00 | 7,850.00 | 7,857.06 | 7,852.36 | 30.45 | 18.09 | -117.04 | 930.03 | -742.07 | 967.09 | 921.14 | 45.95 | 21.046 SF | |

| | |
|--|--|
| Reference Depths are relative to GL 5016' & KB 15' @ 5031.00ft (ASS) | Coordinates are relative to: DACONO 3-2 |
| Offset Depths are relative to Offset Datum | Coordinate System is US State Plane 1983, Colorado Northern Zone |
| Central Meridian is 105° 30' 0.000 W | Grid Convergence at Surface is: 0.34° |

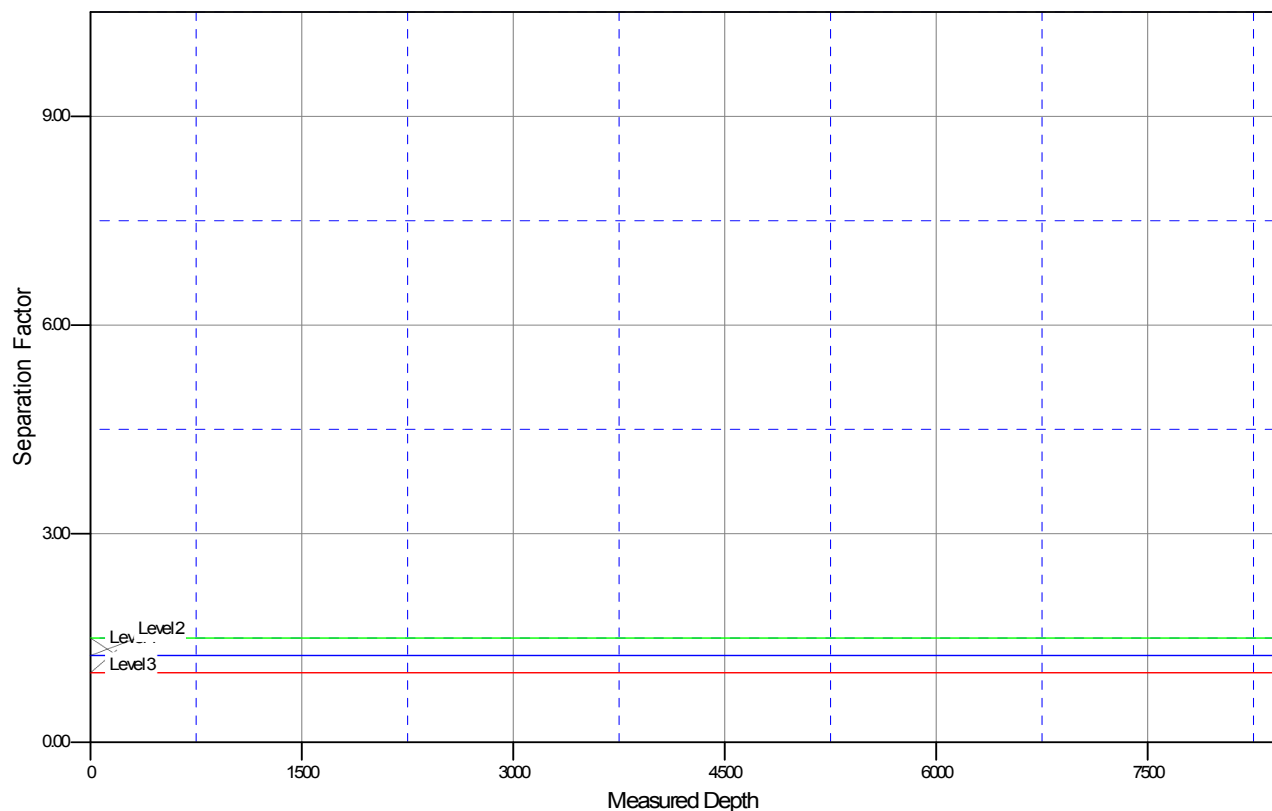


| | | | |
|---------------------------|-----------------------------|-------------------------------------|---|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well DАCОNO 3-2 |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Reference Site: | WELD_DACANO 6-2-9F PAD | MD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Site Error: | 0.00 ft | North Reference: | Grid |
| Reference Well: | DACONO 3-2 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | OH | Database: | EDM5000-RobertS-Local |
| Reference Design: | DACONO 3-2(wp01) | Offset TVD Reference: | Offset Datum |

Reference Depths are relative to GL 5016' & KB 15' @ 5031.00ft (ASS)
Offset Depths are relative to Offset Datum
Central Meridian is 105° 30' 0.000 W

Coordinates are relative to: DACONO 3-2
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.34°

Separation Factor Plot



LEGEND

| | | |
|----------------------|---------------------------------------|---|
| #1 V0 | DACONO 29-2, OH, DАCОNO 29-2(wp01) V0 | DACONO 5-2, OH, DАCОNO 5-2(wp01) V0 |
| #2 V0 | DACONO 30-2, OH, DАCОNO 30-2(wp01) V0 | DACONO 6-2, OH, DАCОNO 6-2(wp01) V0 |
| DACONO 21-2(wp01) V0 | DACONO 31-2, OH, DАCОNO 31-2(wp01) V0 | Dacono Investments LTD #2, OH, DАCОNO 31-2(wp01) V0 |
| DACONO 22-2(wp01) V0 | DACONO 32-2, OH, DАCОNO 32-2(wp01) V0 | Dacono Investments LTD #1, OH, DАCОNO 32-2(wp01) V0 |
| DACONO 28-2(wp01) V0 | DACONO 4-2, OH, DАCОNO 4-2(wp01) V0 | Helen Grant Unit A #1, OH, Helen Grant Unit A #1 V0 |

US ROCKIES REGION PLANNING

COLORADO NORTHERN ZONE - 83

WELD_DACANO 6-2-9F PAD

DACONO 3-2

OH

Plan: DACONO 3-2(wp01)

Standard Planning Report

17 March, 2011

| | | | |
|------------------|-----------------------------|-------------------------------------|---|
| Database: | EDM5000-RobertS-Local | Local Co-ordinate Reference: | Well DACONO 3-2 |
| Company: | US ROCKIES REGION PLANNING | TVD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Project: | COLORADO NORTHERN ZONE - 83 | MD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Site: | WELD_DACANO 6-2-9F PAD | North Reference: | Grid |
| Well: | DACONO 3-2 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | DACONO 3-2(wp01) | | |

| | | | |
|--------------------|--|----------------------|----------------|
| Project | COLORADO NORTHERN ZONE - 83, KERR MCGEE OIL & GAS ONSHORE LP | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Colorado Northern Zone | | |

| | | | | |
|------------------------------|--|---------------------|-------------------|-------------------------------------|
| Site | WELD_DACANO 6-2-9F PAD, SECTION 2 T1N R68W | | | |
| Site Position: | | Northing: | 1,273,198.12 usft | Latitude: 40° 4' 55.625 N |
| From: | Lat/Long | Easting: | 3,147,383.39 usft | Longitude: 104° 58' 23.815 W |
| Position Uncertainty: | 0.00 ft | Slot Radius: | 13.200 in | Grid Convergence: 0.34 ° |

| | | | | |
|-----------------------------|--------------|----------------------------|------------------|----------------------------------|
| Well | DACONO 3-2 | | | |
| Well Position | +N/-S | 0.00 ft | Northing: | 1,273,198.12 usft |
| | +E/-W | 0.00 ft | Easting: | 3,147,383.39 usft |
| Position Uncertainty | 0.00 ft | Wellhead Elevation: | | Ground Level: 5,016.00 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | OH | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2010 | 03/17/2011 | 8.98 | 66.77 | 52,965 |

| | | | | |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| Design | DACONO 3-2(wp01) | | | |
| 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 | 4.97 |

| 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 | |
| 300.00 | 0.00 | 0.00 | 300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 945.20 | 12.90 | 4.97 | 939.76 | 72.08 | 6.27 | 2.00 | 2.00 | 0.00 | 4.97 | |
| 6,453.80 | 12.90 | 4.97 | 6,309.24 | 1,297.61 | 112.90 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7,099.00 | 0.00 | 0.00 | 6,949.00 | 1,369.69 | 119.18 | 2.00 | -2.00 | 0.00 | 180.00 | |
| 8,460.00 | 0.00 | 0.00 | 8,310.00 | 1,369.69 | 119.18 | 0.00 | 0.00 | 0.00 | 0.00 | PBHL_DACONO 3-2 |

| | | | |
|------------------|-----------------------------|-------------------------------------|---|
| Database: | EDM5000-RobertS-Local | Local Co-ordinate Reference: | Well DACONO 3-2 |
| Company: | US ROCKIES REGION PLANNING | TVD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Project: | COLORADO NORTHERN ZONE - 83 | MD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Site: | WELD_DACANO 6-2-9F PAD | North Reference: | Grid |
| Well: | DACONO 3-2 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | DACONO 3-2(wp01) | | |

| 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 |
| Start Build 2.00 | | | | | | | | | |
| 400.00 | 2.00 | 4.97 | 399.98 | 1.74 | 0.15 | 1.75 | 2.00 | 2.00 | 0.00 |
| 500.00 | 4.00 | 4.97 | 499.84 | 6.95 | 0.60 | 6.98 | 2.00 | 2.00 | 0.00 |
| 600.00 | 6.00 | 4.97 | 599.45 | 15.63 | 1.36 | 15.69 | 2.00 | 2.00 | 0.00 |
| 700.00 | 8.00 | 4.97 | 698.70 | 27.77 | 2.42 | 27.88 | 2.00 | 2.00 | 0.00 |
| 800.00 | 10.00 | 4.97 | 797.47 | 43.36 | 3.77 | 43.52 | 2.00 | 2.00 | 0.00 |
| 900.00 | 12.00 | 4.97 | 895.62 | 62.37 | 5.43 | 62.60 | 2.00 | 2.00 | 0.00 |
| 904.48 | 12.09 | 4.97 | 900.00 | 63.30 | 5.51 | 63.54 | 2.00 | 2.00 | 0.00 |
| 8 5/8" | | | | | | | | | |
| 945.20 | 12.90 | 4.97 | 939.76 | 72.08 | 6.27 | 72.35 | 2.00 | 2.00 | 0.00 |
| Start 5508.60 hold at 945.20 MD | | | | | | | | | |
| 1,000.00 | 12.90 | 4.97 | 993.18 | 84.27 | 7.33 | 84.59 | 0.00 | 0.00 | 0.00 |
| 1,100.00 | 12.90 | 4.97 | 1,090.65 | 106.52 | 9.27 | 106.92 | 0.00 | 0.00 | 0.00 |
| 1,200.00 | 12.90 | 4.97 | 1,188.12 | 128.76 | 11.20 | 129.25 | 0.00 | 0.00 | 0.00 |
| 1,300.00 | 12.90 | 4.97 | 1,285.60 | 151.01 | 13.14 | 151.58 | 0.00 | 0.00 | 0.00 |
| 1,400.00 | 12.90 | 4.97 | 1,383.07 | 173.26 | 15.08 | 173.91 | 0.00 | 0.00 | 0.00 |
| 1,500.00 | 12.90 | 4.97 | 1,480.55 | 195.51 | 17.01 | 196.25 | 0.00 | 0.00 | 0.00 |
| 1,600.00 | 12.90 | 4.97 | 1,578.02 | 217.75 | 18.95 | 218.58 | 0.00 | 0.00 | 0.00 |
| 1,700.00 | 12.90 | 4.97 | 1,675.50 | 240.00 | 20.88 | 240.91 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 12.90 | 4.97 | 1,772.97 | 262.25 | 22.82 | 263.24 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 12.90 | 4.97 | 1,870.45 | 284.50 | 24.75 | 285.57 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 12.90 | 4.97 | 1,967.92 | 306.75 | 26.69 | 307.90 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 12.90 | 4.97 | 2,065.40 | 328.99 | 28.63 | 330.24 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 12.90 | 4.97 | 2,162.87 | 351.24 | 30.56 | 352.57 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 12.90 | 4.97 | 2,260.34 | 373.49 | 32.50 | 374.90 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 12.90 | 4.97 | 2,357.82 | 395.74 | 34.43 | 397.23 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 12.90 | 4.97 | 2,455.29 | 417.98 | 36.37 | 419.56 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 12.90 | 4.97 | 2,552.77 | 440.23 | 38.30 | 441.89 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 12.90 | 4.97 | 2,650.24 | 462.48 | 40.24 | 464.23 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 12.90 | 4.97 | 2,747.72 | 484.73 | 42.18 | 486.56 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 12.90 | 4.97 | 2,845.19 | 506.97 | 44.11 | 508.89 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 12.90 | 4.97 | 2,942.67 | 529.22 | 46.05 | 531.22 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 12.90 | 4.97 | 3,040.14 | 551.47 | 47.98 | 553.55 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 12.90 | 4.97 | 3,137.62 | 573.72 | 49.92 | 575.89 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 12.90 | 4.97 | 3,235.09 | 595.97 | 51.85 | 598.22 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 12.90 | 4.97 | 3,332.57 | 618.21 | 53.79 | 620.55 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 12.90 | 4.97 | 3,430.04 | 640.46 | 55.73 | 642.88 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 12.90 | 4.97 | 3,527.51 | 662.71 | 57.66 | 665.21 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 12.90 | 4.97 | 3,624.99 | 684.96 | 59.60 | 687.54 | 0.00 | 0.00 | 0.00 |
| 3,800.00 | 12.90 | 4.97 | 3,722.46 | 707.20 | 61.53 | 709.88 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 12.90 | 4.97 | 3,819.94 | 729.45 | 63.47 | 732.21 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 12.90 | 4.97 | 3,917.41 | 751.70 | 65.40 | 754.54 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 12.90 | 4.97 | 4,014.89 | 773.95 | 67.34 | 776.87 | 0.00 | 0.00 | 0.00 |
| 4,200.00 | 12.90 | 4.97 | 4,112.36 | 796.19 | 69.28 | 799.20 | 0.00 | 0.00 | 0.00 |
| 4,202.71 | 12.90 | 4.97 | 4,115.00 | 796.80 | 69.33 | 799.81 | 0.00 | 0.00 | 0.00 |
| PARKMAN | | | | | | | | | |
| 4,300.00 | 12.90 | 4.97 | 4,209.84 | 818.44 | 71.21 | 821.53 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 12.90 | 4.97 | 4,307.31 | 840.69 | 73.15 | 843.87 | 0.00 | 0.00 | 0.00 |
| 4,500.00 | 12.90 | 4.97 | 4,404.79 | 862.94 | 75.08 | 866.20 | 0.00 | 0.00 | 0.00 |
| 4,600.00 | 12.90 | 4.97 | 4,502.26 | 885.19 | 77.02 | 888.53 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|-----------------------------|-------------------------------------|---|
| Database: | EDM5000-RobertS-Local | Local Co-ordinate Reference: | Well DACONO 3-2 |
| Company: | US ROCKIES REGION PLANNING | TVD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Project: | COLORADO NORTHERN ZONE - 83 | MD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Site: | WELD_DACANO 6-2-9F PAD | North Reference: | Grid |
| Well: | DACONO 3-2 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | DACONO 3-2(wp01) | | |

| 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) |
| 4,633.59 | 12.90 | 4.97 | 4,535.00 | 892.66 | 77.67 | 896.03 | 0.00 | 0.00 | 0.00 |
| SUSSEX | | | | | | | | | |
| 4,700.00 | 12.90 | 4.97 | 4,599.73 | 907.43 | 78.96 | 910.86 | 0.00 | 0.00 | 0.00 |
| 4,800.00 | 12.90 | 4.97 | 4,697.21 | 929.68 | 80.89 | 933.19 | 0.00 | 0.00 | 0.00 |
| 4,900.00 | 12.90 | 4.97 | 4,794.68 | 951.93 | 82.83 | 955.53 | 0.00 | 0.00 | 0.00 |
| 5,000.00 | 12.90 | 4.97 | 4,892.16 | 974.18 | 84.76 | 977.86 | 0.00 | 0.00 | 0.00 |
| 5,100.00 | 12.90 | 4.97 | 4,989.63 | 996.42 | 86.70 | 1,000.19 | 0.00 | 0.00 | 0.00 |
| 5,200.00 | 12.90 | 4.97 | 5,087.11 | 1,018.67 | 88.63 | 1,022.52 | 0.00 | 0.00 | 0.00 |
| 5,300.00 | 12.90 | 4.97 | 5,184.58 | 1,040.92 | 90.57 | 1,044.85 | 0.00 | 0.00 | 0.00 |
| 5,400.00 | 12.90 | 4.97 | 5,282.06 | 1,063.17 | 92.51 | 1,067.18 | 0.00 | 0.00 | 0.00 |
| 5,500.00 | 12.90 | 4.97 | 5,379.53 | 1,085.41 | 94.44 | 1,089.52 | 0.00 | 0.00 | 0.00 |
| 5,600.00 | 12.90 | 4.97 | 5,477.01 | 1,107.66 | 96.38 | 1,111.85 | 0.00 | 0.00 | 0.00 |
| 5,700.00 | 12.90 | 4.97 | 5,574.48 | 1,129.91 | 98.31 | 1,134.18 | 0.00 | 0.00 | 0.00 |
| 5,800.00 | 12.90 | 4.97 | 5,671.96 | 1,152.16 | 100.25 | 1,156.51 | 0.00 | 0.00 | 0.00 |
| 5,900.00 | 12.90 | 4.97 | 5,769.43 | 1,174.41 | 102.18 | 1,178.84 | 0.00 | 0.00 | 0.00 |
| 6,000.00 | 12.90 | 4.97 | 5,866.90 | 1,196.65 | 104.12 | 1,201.17 | 0.00 | 0.00 | 0.00 |
| 6,100.00 | 12.90 | 4.97 | 5,964.38 | 1,218.90 | 106.06 | 1,223.51 | 0.00 | 0.00 | 0.00 |
| 6,200.00 | 12.90 | 4.97 | 6,061.85 | 1,241.15 | 107.99 | 1,245.84 | 0.00 | 0.00 | 0.00 |
| 6,300.00 | 12.90 | 4.97 | 6,159.33 | 1,263.40 | 109.93 | 1,268.17 | 0.00 | 0.00 | 0.00 |
| 6,400.00 | 12.90 | 4.97 | 6,256.80 | 1,285.64 | 111.86 | 1,290.50 | 0.00 | 0.00 | 0.00 |
| 6,453.80 | 12.90 | 4.97 | 6,309.24 | 1,297.61 | 112.90 | 1,302.52 | 0.00 | 0.00 | 0.00 |
| Start Drop -2.00 | | | | | | | | | |
| 6,500.00 | 11.98 | 4.97 | 6,354.36 | 1,307.53 | 113.77 | 1,312.47 | 2.00 | -2.00 | 0.00 |
| 6,600.00 | 9.98 | 4.97 | 6,452.52 | 1,326.50 | 115.42 | 1,331.52 | 2.00 | -2.00 | 0.00 |
| 6,700.00 | 7.98 | 4.97 | 6,551.29 | 1,342.05 | 116.77 | 1,347.12 | 2.00 | -2.00 | 0.00 |
| 6,800.00 | 5.98 | 4.97 | 6,650.55 | 1,354.16 | 117.82 | 1,359.28 | 2.00 | -2.00 | 0.00 |
| 6,900.00 | 3.98 | 4.97 | 6,750.16 | 1,362.81 | 118.58 | 1,367.96 | 2.00 | -2.00 | 0.00 |
| 7,000.00 | 1.98 | 4.97 | 6,850.02 | 1,367.99 | 119.03 | 1,373.15 | 2.00 | -2.00 | 0.00 |
| 7,099.00 | 0.00 | 0.00 | 6,949.00 | 1,369.69 | 119.18 | 1,374.86 | 2.00 | -2.00 | 0.00 |
| Start 1361.00 hold at 7099.00 MD | | | | | | | | | |
| 7,100.00 | 0.00 | 0.00 | 6,950.00 | 1,369.69 | 119.18 | 1,374.86 | 0.00 | 0.00 | 0.00 |
| 7,200.00 | 0.00 | 0.00 | 7,050.00 | 1,369.69 | 119.18 | 1,374.86 | 0.00 | 0.00 | 0.00 |
| 7,300.00 | 0.00 | 0.00 | 7,150.00 | 1,369.69 | 119.18 | 1,374.86 | 0.00 | 0.00 | 0.00 |
| 7,400.00 | 0.00 | 0.00 | 7,250.00 | 1,369.69 | 119.18 | 1,374.86 | 0.00 | 0.00 | 0.00 |
| 7,500.00 | 0.00 | 0.00 | 7,350.00 | 1,369.69 | 119.18 | 1,374.86 | 0.00 | 0.00 | 0.00 |
| 7,599.00 | 0.00 | 0.00 | 7,449.00 | 1,369.69 | 119.18 | 1,374.86 | 0.00 | 0.00 | 0.00 |
| NIOBRARA | | | | | | | | | |
| 7,600.00 | 0.00 | 0.00 | 7,450.00 | 1,369.69 | 119.18 | 1,374.86 | 0.00 | 0.00 | 0.00 |
| 7,700.00 | 0.00 | 0.00 | 7,550.00 | 1,369.69 | 119.18 | 1,374.86 | 0.00 | 0.00 | 0.00 |
| 7,800.00 | 0.00 | 0.00 | 7,650.00 | 1,369.69 | 119.18 | 1,374.86 | 0.00 | 0.00 | 0.00 |
| 7,888.00 | 0.00 | 0.00 | 7,738.00 | 1,369.69 | 119.18 | 1,374.86 | 0.00 | 0.00 | 0.00 |
| CODELL | | | | | | | | | |
| 7,900.00 | 0.00 | 0.00 | 7,750.00 | 1,369.69 | 119.18 | 1,374.86 | 0.00 | 0.00 | 0.00 |
| 7,963.00 | 0.00 | 0.00 | 7,813.00 | 1,369.69 | 119.18 | 1,374.86 | 0.00 | 0.00 | 0.00 |
| GREENHORN | | | | | | | | | |
| 8,000.00 | 0.00 | 0.00 | 7,850.00 | 1,369.69 | 119.18 | 1,374.86 | 0.00 | 0.00 | 0.00 |
| 8,100.00 | 0.00 | 0.00 | 7,950.00 | 1,369.69 | 119.18 | 1,374.86 | 0.00 | 0.00 | 0.00 |
| 8,200.00 | 0.00 | 0.00 | 8,050.00 | 1,369.69 | 119.18 | 1,374.86 | 0.00 | 0.00 | 0.00 |
| 8,300.00 | 0.00 | 0.00 | 8,150.00 | 1,369.69 | 119.18 | 1,374.86 | 0.00 | 0.00 | 0.00 |
| 8,330.00 | 0.00 | 0.00 | 8,180.00 | 1,369.69 | 119.18 | 1,374.86 | 0.00 | 0.00 | 0.00 |
| J-SAND | | | | | | | | | |
| 8,400.00 | 0.00 | 0.00 | 8,250.00 | 1,369.69 | 119.18 | 1,374.86 | 0.00 | 0.00 | 0.00 |
| 8,460.00 | 0.00 | 0.00 | 8,310.00 | 1,369.69 | 119.18 | 1,374.86 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|-----------------------------|-------------------------------------|---|
| Database: | EDM5000-RobertS-Local | Local Co-ordinate Reference: | Well DACONO 3-2 |
| Company: | US ROCKIES REGION PLANNING | TVD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Project: | COLORADO NORTHERN ZONE - 83 | MD Reference: | GL 5016' & KB 15' @ 5031.00ft (ASSUMED) |
| Site: | WELD_DACANO 6-2-9F PAD | North Reference: | Grid |
| Well: | DACONO 3-2 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | DACONO 3-2(wp01) | | |

| 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) |
| PBHL_DACONO 3-2 | | | | | | | | | |

| 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 | | | | | | | | | |
| PBHL_DACONO 3-2 | 0.00 | 0.00 | 8,310.00 | 1,369.69 | 119.18 | 1,274,567.81 | 3,147,502.57 | 40° 5' 9.154 N | 104° 58' 22.177 W |
| - plan hits target center | | | | | | | | | |
| - Circle (radius 50.00) | | | | | | | | | |

| Casing Points | | | | | |
|---------------------|---------------------|--------|----------------------|--------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Casing Diameter (in) | Hole Diameter (in) | |
| 904.48 | 900.00 | 8 5/8" | 8.625 | 11.000 | |

| Formations | | | | | | |
|---------------------|---------------------|-----------|-----------|---------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 4,202.71 | 4,115.00 | PARKMAN | | | | |
| 4,633.59 | 4,535.00 | SUSSEX | | | | |
| 7,599.00 | 7,449.00 | NIOBRARA | | | | |
| 7,888.00 | 7,738.00 | CODELL | | | | |
| 7,963.00 | 7,813.00 | GREENHORN | | | | |
| 8,330.00 | 8,180.00 | J-SAND | | | | |

| Plan Annotations | | | | |
|---------------------|---------------------|-------------------|------------|----------------------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | Comment |
| | | +N/-S (ft) | +E/-W (ft) | |
| 300.00 | 300.00 | 0.00 | 0.00 | Start Build 2.00 |
| 945.20 | 939.76 | 72.08 | 6.27 | Start 5508.60 hold at 945.20 MD |
| 6,453.80 | 6,309.24 | 1,297.61 | 112.90 | Start Drop -2.00 |
| 7,099.00 | 6,949.00 | 1,369.69 | 119.18 | Start 1361.00 hold at 7099.00 MD |
| 8,460.00 | 8,310.00 | 1,369.69 | 119.18 | TD at 8460.00 |