



## **Denver Division- Colorado**

**DJ - Hereford Ranch**

**Fox Creek 01-35H**

**Fox Creek 1-35H**

**Original Wellbore**

**Plan: APD**

## **Standard Planning Report**

**29 January, 2010**

|                  |                            |                                     |                       |
|------------------|----------------------------|-------------------------------------|-----------------------|
| <b>Database:</b> | EDM 2003.21 Single User Db | <b>Local Co-ordinate Reference:</b> | Site Fox Creek 01-35H |
| <b>Company:</b>  | Denver Division- Colorado  | <b>TVD Reference:</b>               | RIG @ 5387.0ft (TBD)  |
| <b>Project:</b>  | DJ - Hereford Ranch        | <b>MD Reference:</b>                | RIG @ 5387.0ft (TBD)  |
| <b>Site:</b>     | Fox Creek 01-35H           | <b>North Reference:</b>             | True                  |
| <b>Well:</b>     | Fox Creek 1-35H            | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Wellbore:</b> | Original Wellbore          |                                     |                       |
| <b>Design:</b>   | APD                        |                                     |                       |

|                    |                                      |                      |                |
|--------------------|--------------------------------------|----------------------|----------------|
| <b>Project</b>     | DJ - Hereford Ranch, Weld County     |                      |                |
| <b>Map System:</b> | US State Plane 1927 (Exact solution) | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | NAD 1927 (NADCON CONUS)              |                      |                |
| <b>Map Zone:</b>   | Colorado North 501                   |                      |                |

|                       |          |                  |                 |                   |                   |
|-----------------------|----------|------------------|-----------------|-------------------|-------------------|
| Site                  |          | Fox Creek 01-35H |                 |                   |                   |
| Site Position:        |          | Northing:        | 598,486.08 ft   | Latitude:         | 40° 58' 16.000 N  |
| From:                 | Lat/Long | Easting:         | 2,302,283.40 ft | Longitude:        | 104° 24' 19.519 W |
| Position Uncertainty: | 0.0 ft   | Slot Radius:     | "               | Grid Convergence: | 0.71 °            |

| Well                 | Fox Creek 1-35H |        |                     |                 |               |                   |
|----------------------|-----------------|--------|---------------------|-----------------|---------------|-------------------|
| Well Position        | +N/-S           | 0.0 ft | Northing:           | 598,486.08 ft   | Latitude:     | 40° 58' 16.000 N  |
|                      | +E/-W           | 0.0 ft | Easting:            | 2,302,283.40 ft | Longitude:    | 104° 24' 19.519 W |
| Position Uncertainty |                 | 0.0 ft | Wellhead Elevation: | ft              | Ground Level: | 5,362.0 ft        |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | Original Wellbore |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF200510        | 1/29/2010          | 8.86                   | 67.63                | 53,626                     |

|                          |                         |                   |                      |                      |
|--------------------------|-------------------------|-------------------|----------------------|----------------------|
| <b>Design</b>            | APD                     |                   |                      |                      |
| <b>Audit Notes:</b>      |                         |                   |                      |                      |
| <b>Version:</b>          | <b>Phase:</b>           | PROTOTYPE         | <b>Tie On Depth:</b> | 0.0                  |
| <b>Vertical Section:</b> | <b>Depth From (TVD)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b>    | <b>Direction (°)</b> |
|                          | 0.0                     | 0.0               | 0.0                  | 137.53               |

| <b>Plan Sections</b> |                 |             |                     |            |            |                       |                      |                     |         |                      |
|----------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|----------------------|---------------------|---------|----------------------|
| 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               |
| 0.0                  | 0.00            | 0.00        | 0.0                 | 0.0        | 0.0        | 0.00                  | 0.00                 | 0.00                | 0.00    |                      |
| 6,852.5              | 0.00            | 0.00        | 6,852.5             | 0.0        | 0.0        | 0.00                  | 0.00                 | 0.00                | 0.00    |                      |
| 7,602.5              | 90.00           | 144.38      | 7,330.0             | -388.2     | 278.0      | 12.00                 | 12.00                | 0.00                | 144.38  |                      |
| 10,534.7             | 90.00           | 144.38      | 7,330.0             | -2,771.8   | 1,985.5    | 0.00                  | 0.00                 | 0.00                | 0.00    | Fox Creek 1-35H (Tar |
| 10,731.6             | 90.00           | 120.75      | 7,330.0             | -2,904.1   | 2,129.6    | 12.00                 | 0.00                 | -12.00              | -90.00  | Fox Creek 1-35H (Tar |
| 11,561.5             | 90.00           | 120.75      | 7,330.0             | -3,328.4   | 2,842.7    | 0.00                  | 0.00                 | 0.00                | 0.00    | Fox Creek 1-35H (Tar |
| 11,627.7             | 90.00           | 128.70      | 7,330.0             | -3,366.1   | 2,897.1    | 12.00                 | 0.00                 | 12.00               | 90.00   | Fox Creek 1-35H (BH  |
| 12,514.4             | 90.00           | 128.70      | 7,330.0             | -3,920.6   | 3,589.2    | 0.00                  | 0.00                 | 0.00                | 0.00    | Fox Creek 1-35H (BH  |

|                  |                            |                                     |                       |
|------------------|----------------------------|-------------------------------------|-----------------------|
| <b>Database:</b> | EDM 2003.21 Single User Db | <b>Local Co-ordinate Reference:</b> | Site Fox Creek 01-35H |
| <b>Company:</b>  | Denver Division- Colorado  | <b>TVD Reference:</b>               | RIG @ 5387.0ft (TBD)  |
| <b>Project:</b>  | DJ - Hereford Ranch        | <b>MD Reference:</b>                | RIG @ 5387.0ft (TBD)  |
| <b>Site:</b>     | Fox Creek 01-35H           | <b>North Reference:</b>             | True                  |
| <b>Well:</b>     | Fox Creek 1-35H            | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Wellbore:</b> | Original Wellbore          |                                     |                       |
| <b>Design:</b>   | APD                        |                                     |                       |

| 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) |
| 0.0                 | 0.00            | 0.00        | 0.0                 | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 100.0               | 0.00            | 0.00        | 100.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 200.0               | 0.00            | 0.00        | 200.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 300.0               | 0.00            | 0.00        | 300.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 400.0               | 0.00            | 0.00        | 400.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 500.0               | 0.00            | 0.00        | 500.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 600.0               | 0.00            | 0.00        | 600.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 700.0               | 0.00            | 0.00        | 700.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 800.0               | 0.00            | 0.00        | 800.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 900.0               | 0.00            | 0.00        | 900.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 1,000.0             | 0.00            | 0.00        | 1,000.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 1,100.0             | 0.00            | 0.00        | 1,100.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 1,200.0             | 0.00            | 0.00        | 1,200.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 1,300.0             | 0.00            | 0.00        | 1,300.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 1,400.0             | 0.00            | 0.00        | 1,400.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 1,500.0             | 0.00            | 0.00        | 1,500.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 9 5/8"              |                 |             |                     |            |            |                       |                       |                      |                     |
| 1,600.0             | 0.00            | 0.00        | 1,600.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 1,700.0             | 0.00            | 0.00        | 1,700.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 1,800.0             | 0.00            | 0.00        | 1,800.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 1,900.0             | 0.00            | 0.00        | 1,900.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 2,000.0             | 0.00            | 0.00        | 2,000.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 2,100.0             | 0.00            | 0.00        | 2,100.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 2,200.0             | 0.00            | 0.00        | 2,200.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 2,300.0             | 0.00            | 0.00        | 2,300.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 2,400.0             | 0.00            | 0.00        | 2,400.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 2,500.0             | 0.00            | 0.00        | 2,500.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 2,600.0             | 0.00            | 0.00        | 2,600.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 2,700.0             | 0.00            | 0.00        | 2,700.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 2,800.0             | 0.00            | 0.00        | 2,800.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 2,900.0             | 0.00            | 0.00        | 2,900.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 3,000.0             | 0.00            | 0.00        | 3,000.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 3,100.0             | 0.00            | 0.00        | 3,100.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 3,200.0             | 0.00            | 0.00        | 3,200.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 3,300.0             | 0.00            | 0.00        | 3,300.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 3,400.0             | 0.00            | 0.00        | 3,400.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 3,500.0             | 0.00            | 0.00        | 3,500.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 3,600.0             | 0.00            | 0.00        | 3,600.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 3,700.0             | 0.00            | 0.00        | 3,700.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 3,800.0             | 0.00            | 0.00        | 3,800.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 3,900.0             | 0.00            | 0.00        | 3,900.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 4,000.0             | 0.00            | 0.00        | 4,000.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 4,100.0             | 0.00            | 0.00        | 4,100.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 4,200.0             | 0.00            | 0.00        | 4,200.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 4,300.0             | 0.00            | 0.00        | 4,300.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 4,400.0             | 0.00            | 0.00        | 4,400.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 4,500.0             | 0.00            | 0.00        | 4,500.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 4,600.0             | 0.00            | 0.00        | 4,600.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 4,700.0             | 0.00            | 0.00        | 4,700.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 4,800.0             | 0.00            | 0.00        | 4,800.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 4,900.0             | 0.00            | 0.00        | 4,900.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 5,000.0             | 0.00            | 0.00        | 5,000.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 5,100.0             | 0.00            | 0.00        | 5,100.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 5,200.0             | 0.00            | 0.00        | 5,200.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |

|                  |                            |                                     |                       |
|------------------|----------------------------|-------------------------------------|-----------------------|
| <b>Database:</b> | EDM 2003.21 Single User Db | <b>Local Co-ordinate Reference:</b> | Site Fox Creek 01-35H |
| <b>Company:</b>  | Denver Division- Colorado  | <b>TVD Reference:</b>               | RIG @ 5387.0ft (TBD)  |
| <b>Project:</b>  | DJ - Hereford Ranch        | <b>MD Reference:</b>                | RIG @ 5387.0ft (TBD)  |
| <b>Site:</b>     | Fox Creek 01-35H           | <b>North Reference:</b>             | True                  |
| <b>Well:</b>     | Fox Creek 1-35H            | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Wellbore:</b> | Original Wellbore          |                                     |                       |
| <b>Design:</b>   | APD                        |                                     |                       |

| Planned Survey      |                 |             |                     |            |            |                       |                       |                      |                     |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 5,300.0             | 0.00            | 0.00        | 5,300.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 5,400.0             | 0.00            | 0.00        | 5,400.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 5,500.0             | 0.00            | 0.00        | 5,500.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 5,600.0             | 0.00            | 0.00        | 5,600.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 5,700.0             | 0.00            | 0.00        | 5,700.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 5,800.0             | 0.00            | 0.00        | 5,800.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 5,900.0             | 0.00            | 0.00        | 5,900.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 6,000.0             | 0.00            | 0.00        | 6,000.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 6,100.0             | 0.00            | 0.00        | 6,100.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 6,200.0             | 0.00            | 0.00        | 6,200.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 6,300.0             | 0.00            | 0.00        | 6,300.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 6,400.0             | 0.00            | 0.00        | 6,400.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 6,500.0             | 0.00            | 0.00        | 6,500.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 6,600.0             | 0.00            | 0.00        | 6,600.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 6,700.0             | 0.00            | 0.00        | 6,700.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 6,800.0             | 0.00            | 0.00        | 6,800.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 6,852.5             | 0.00            | 0.00        | 6,852.5             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 6,900.0             | 5.70            | 144.38      | 6,899.9             | -1.9       | 1.4        | 2.3                   | 12.00                 | 12.00                | 0.00                |
| 7,000.0             | 17.70           | 144.38      | 6,997.7             | -18.4      | 13.2       | 22.4                  | 12.00                 | 12.00                | 0.00                |
| 7,100.0             | 29.70           | 144.38      | 7,089.1             | -51.0      | 36.5       | 62.3                  | 12.00                 | 12.00                | 0.00                |
| 7,200.0             | 41.70           | 144.38      | 7,170.1             | -98.3      | 70.4       | 120.1                 | 12.00                 | 12.00                | 0.00                |
| 7,300.0             | 53.70           | 144.38      | 7,237.3             | -158.3     | 113.4      | 193.4                 | 12.00                 | 12.00                | 0.00                |
| 7,400.0             | 65.70           | 144.38      | 7,287.7             | -228.4     | 163.6      | 278.9                 | 12.00                 | 12.00                | 0.00                |
| 7,500.0             | 77.70           | 144.38      | 7,319.0             | -305.4     | 218.8      | 373.0                 | 12.00                 | 12.00                | 0.00                |
| 7,600.0             | 89.70           | 144.38      | 7,330.0             | -386.1     | 276.6      | 471.5                 | 12.00                 | 12.00                | 0.00                |
| 7,602.5             | 90.00           | 144.38      | 7,330.0             | -388.1     | 278.0      | 474.0                 | 12.00                 | 12.00                | 0.00                |
| 7"                  |                 |             |                     |            |            |                       |                       |                      |                     |
| 7,700.0             | 90.00           | 144.38      | 7,330.0             | -467.4     | 334.8      | 570.8                 | 0.00                  | 0.00                 | 0.00                |
| 7,800.0             | 90.00           | 144.38      | 7,330.0             | -548.7     | 393.0      | 670.1                 | 0.00                  | 0.00                 | 0.00                |
| 7,900.0             | 90.00           | 144.38      | 7,330.0             | -630.0     | 451.3      | 769.4                 | 0.00                  | 0.00                 | 0.00                |
| 8,000.0             | 90.00           | 144.38      | 7,330.0             | -711.3     | 509.5      | 868.7                 | 0.00                  | 0.00                 | 0.00                |
| 8,100.0             | 90.00           | 144.38      | 7,330.0             | -792.6     | 567.7      | 968.0                 | 0.00                  | 0.00                 | 0.00                |
| 8,200.0             | 90.00           | 144.38      | 7,330.0             | -873.9     | 626.0      | 1,067.2               | 0.00                  | 0.00                 | 0.00                |
| 8,300.0             | 90.00           | 144.38      | 7,330.0             | -955.2     | 684.2      | 1,166.5               | 0.00                  | 0.00                 | 0.00                |
| 8,400.0             | 90.00           | 144.38      | 7,330.0             | -1,036.4   | 742.4      | 1,265.8               | 0.00                  | 0.00                 | 0.00                |
| 8,500.0             | 90.00           | 144.38      | 7,330.0             | -1,117.7   | 800.7      | 1,365.1               | 0.00                  | 0.00                 | 0.00                |
| 8,600.0             | 90.00           | 144.38      | 7,330.0             | -1,199.0   | 858.9      | 1,464.4               | 0.00                  | 0.00                 | 0.00                |
| 8,700.0             | 90.00           | 144.38      | 7,330.0             | -1,280.3   | 917.1      | 1,563.7               | 0.00                  | 0.00                 | 0.00                |
| 8,800.0             | 90.00           | 144.38      | 7,330.0             | -1,361.6   | 975.4      | 1,662.9               | 0.00                  | 0.00                 | 0.00                |
| 8,900.0             | 90.00           | 144.38      | 7,330.0             | -1,442.9   | 1,033.6    | 1,762.2               | 0.00                  | 0.00                 | 0.00                |
| 9,000.0             | 90.00           | 144.38      | 7,330.0             | -1,524.2   | 1,091.9    | 1,861.5               | 0.00                  | 0.00                 | 0.00                |
| 9,100.0             | 90.00           | 144.38      | 7,330.0             | -1,605.5   | 1,150.1    | 1,960.8               | 0.00                  | 0.00                 | 0.00                |
| 9,200.0             | 90.00           | 144.38      | 7,330.0             | -1,686.8   | 1,208.3    | 2,060.1               | 0.00                  | 0.00                 | 0.00                |
| 9,300.0             | 90.00           | 144.38      | 7,330.0             | -1,768.1   | 1,266.6    | 2,159.4               | 0.00                  | 0.00                 | 0.00                |
| 9,400.0             | 90.00           | 144.38      | 7,330.0             | -1,849.4   | 1,324.8    | 2,258.7               | 0.00                  | 0.00                 | 0.00                |
| 9,500.0             | 90.00           | 144.38      | 7,330.0             | -1,930.7   | 1,383.0    | 2,357.9               | 0.00                  | 0.00                 | 0.00                |
| 9,600.0             | 90.00           | 144.38      | 7,330.0             | -2,012.0   | 1,441.3    | 2,457.2               | 0.00                  | 0.00                 | 0.00                |
| 9,700.0             | 90.00           | 144.38      | 7,330.0             | -2,093.3   | 1,499.5    | 2,556.5               | 0.00                  | 0.00                 | 0.00                |
| 9,800.0             | 90.00           | 144.38      | 7,330.0             | -2,174.6   | 1,557.7    | 2,655.8               | 0.00                  | 0.00                 | 0.00                |
| 9,900.0             | 90.00           | 144.38      | 7,330.0             | -2,255.9   | 1,616.0    | 2,755.1               | 0.00                  | 0.00                 | 0.00                |
| 10,000.0            | 90.00           | 144.38      | 7,330.0             | -2,337.2   | 1,674.2    | 2,854.4               | 0.00                  | 0.00                 | 0.00                |
| 10,100.0            | 90.00           | 144.38      | 7,330.0             | -2,418.5   | 1,732.4    | 2,953.6               | 0.00                  | 0.00                 | 0.00                |
| 10,200.0            | 90.00           | 144.38      | 7,330.0             | -2,499.7   | 1,790.7    | 3,052.9               | 0.00                  | 0.00                 | 0.00                |

|                  |                            |                                     |                       |
|------------------|----------------------------|-------------------------------------|-----------------------|
| <b>Database:</b> | EDM 2003.21 Single User Db | <b>Local Co-ordinate Reference:</b> | Site Fox Creek 01-35H |
| <b>Company:</b>  | Denver Division- Colorado  | <b>TVD Reference:</b>               | RIG @ 5387.0ft (TBD)  |
| <b>Project:</b>  | DJ - Hereford Ranch        | <b>MD Reference:</b>                | RIG @ 5387.0ft (TBD)  |
| <b>Site:</b>     | Fox Creek 01-35H           | <b>North Reference:</b>             | True                  |
| <b>Well:</b>     | Fox Creek 1-35H            | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Wellbore:</b> | Original Wellbore          |                                     |                       |
| <b>Design:</b>   | APD                        |                                     |                       |

| 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) |
| 10,300.0                          | 90.00           | 144.38      | 7,330.0             | -2,581.0   | 1,848.9    | 3,152.2               | 0.00                  | 0.00                 | 0.00                |
| 10,400.0                          | 90.00           | 144.38      | 7,330.0             | -2,662.3   | 1,907.1    | 3,251.5               | 0.00                  | 0.00                 | 0.00                |
| 10,500.0                          | 90.00           | 144.38      | 7,330.0             | -2,743.6   | 1,965.4    | 3,350.8               | 0.00                  | 0.00                 | 0.00                |
| 10,534.7                          | 90.00           | 144.38      | 7,330.0             | -2,771.8   | 1,985.5    | 3,385.2               | 0.00                  | 0.00                 | 0.00                |
| <b>Fox Creek 1-35H (Target 1)</b> |                 |             |                     |            |            |                       |                       |                      |                     |
| 10,600.0                          | 90.00           | 136.54      | 7,330.0             | -2,822.2   | 2,027.1    | 3,450.4               | 12.00                 | 0.00                 | -12.00              |
| 10,700.0                          | 90.00           | 124.54      | 7,330.0             | -2,887.0   | 2,103.0    | 3,549.5               | 12.00                 | 0.00                 | -12.00              |
| 10,731.6                          | 90.00           | 120.75      | 7,330.0             | -2,904.1   | 2,129.6    | 3,580.0               | 12.00                 | 0.00                 | -12.00              |
| 10,800.0                          | 90.00           | 120.75      | 7,330.0             | -2,939.1   | 2,188.3    | 3,645.5               | 0.00                  | 0.00                 | 0.00                |
| 10,900.0                          | 90.00           | 120.75      | 7,330.0             | -2,990.2   | 2,274.3    | 3,741.2               | 0.00                  | 0.00                 | 0.00                |
| 11,000.0                          | 90.00           | 120.75      | 7,330.0             | -3,041.3   | 2,360.2    | 3,837.0               | 0.00                  | 0.00                 | 0.00                |
| 11,100.0                          | 90.00           | 120.75      | 7,330.0             | -3,092.5   | 2,446.2    | 3,932.7               | 0.00                  | 0.00                 | 0.00                |
| 11,200.0                          | 90.00           | 120.75      | 7,330.0             | -3,143.6   | 2,532.1    | 4,028.5               | 0.00                  | 0.00                 | 0.00                |
| 11,300.0                          | 90.00           | 120.75      | 7,330.0             | -3,194.7   | 2,618.0    | 4,124.2               | 0.00                  | 0.00                 | 0.00                |
| 11,400.0                          | 90.00           | 120.75      | 7,330.0             | -3,245.9   | 2,704.0    | 4,220.0               | 0.00                  | 0.00                 | 0.00                |
| 11,500.0                          | 90.00           | 120.75      | 7,330.0             | -3,297.0   | 2,789.9    | 4,315.7               | 0.00                  | 0.00                 | 0.00                |
| 11,561.5                          | 90.00           | 120.75      | 7,330.0             | -3,328.4   | 2,842.7    | 4,374.6               | 0.00                  | 0.00                 | 0.00                |
| <b>Fox Creek 1-35H (Target 2)</b> |                 |             |                     |            |            |                       |                       |                      |                     |
| 11,600.0                          | 90.00           | 125.38      | 7,330.0             | -3,349.4   | 2,875.0    | 4,411.9               | 12.00                 | 0.00                 | 12.00               |
| 11,627.7                          | 90.00           | 128.70      | 7,330.0             | -3,366.1   | 2,897.1    | 4,439.1               | 12.00                 | 0.00                 | 12.00               |
| 11,700.0                          | 90.00           | 128.70      | 7,330.0             | -3,411.3   | 2,953.6    | 4,510.5               | 0.00                  | 0.00                 | 0.00                |
| 11,800.0                          | 90.00           | 128.70      | 7,330.0             | -3,473.9   | 3,031.6    | 4,609.4               | 0.00                  | 0.00                 | 0.00                |
| 11,900.0                          | 90.00           | 128.70      | 7,330.0             | -3,536.4   | 3,109.6    | 4,708.2               | 0.00                  | 0.00                 | 0.00                |
| 12,000.0                          | 90.00           | 128.70      | 7,330.0             | -3,598.9   | 3,187.7    | 4,807.0               | 0.00                  | 0.00                 | 0.00                |
| 12,100.0                          | 90.00           | 128.70      | 7,330.0             | -3,661.4   | 3,265.7    | 4,905.8               | 0.00                  | 0.00                 | 0.00                |
| 12,200.0                          | 90.00           | 128.70      | 7,330.0             | -3,724.0   | 3,343.8    | 5,004.6               | 0.00                  | 0.00                 | 0.00                |
| 12,300.0                          | 90.00           | 128.70      | 7,330.0             | -3,786.5   | 3,421.8    | 5,103.4               | 0.00                  | 0.00                 | 0.00                |
| 12,400.0                          | 90.00           | 128.70      | 7,330.0             | -3,849.0   | 3,499.8    | 5,202.3               | 0.00                  | 0.00                 | 0.00                |
| 12,500.0                          | 90.00           | 128.70      | 7,330.0             | -3,911.5   | 3,577.9    | 5,301.1               | 0.00                  | 0.00                 | 0.00                |
| 12,514.0                          | 90.00           | 128.70      | 7,330.0             | -3,920.3   | 3,588.8    | 5,314.9               | 0.00                  | 0.00                 | 0.00                |
| <b>4 1/2"</b>                     |                 |             |                     |            |            |                       |                       |                      |                     |
| 12,514.4                          | 90.00           | 128.70      | 7,330.0             | -3,920.6   | 3,589.2    | 5,315.3               | 0.00                  | 0.00                 | 0.00                |
| <b>Fox Creek 1-35H (BHL)</b>      |                 |             |                     |            |            |                       |                       |                      |                     |

| Casing Points       |                     |        |                     |                   |  |
|---------------------|---------------------|--------|---------------------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name   | Casing Diameter (") | Hole Diameter (") |  |
| 1,500.0             | 1,500.0             | 9 5/8" | 9-5/8               | 12-1/4            |  |
| 7,602.5             | 7,330.0             | 7"     | 7                   | 8-3/4             |  |
| 12,514.0            | 7,330.0             | 4 1/2" | 4-1/2               | 6-1/4             |  |