

# **Denver Division- Colorado**

**DJ - Hereford Ranch**

**Igo Creek 07-10H**

**Igo Creek 07-10H**

**Original Wellbore**

**Plan: APD Directional Plan**

## **Standard Planning Report**

**13 January, 2011**

# EOG Resources Inc

## Planning Report

|                  |                           |                                     |                       |
|------------------|---------------------------|-------------------------------------|-----------------------|
| <b>Database:</b> | EDM                       | <b>Local Co-ordinate Reference:</b> | Site Igo Creek 07-10H |
| <b>Company:</b>  | Denver Division- Colorado | <b>TVD Reference:</b>               | RIG @ 4997.00ft (TBD) |
| <b>Project:</b>  | DJ - Hereford Ranch       | <b>MD Reference:</b>                | RIG @ 4997.00ft (TBD) |
| <b>Site:</b>     | Igo Creek 07-10H          | <b>North Reference:</b>             | True                  |
| <b>Well:</b>     | Igo Creek 07-10H          | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Wellbore:</b> | Original Wellbore         |                                     |                       |
| <b>Design:</b>   | APD Directional Plan      |                                     |                       |

|                    |                                      |                      |                |
|--------------------|--------------------------------------|----------------------|----------------|
| <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                  |          | Igo Creek 07-10H |                |            |                   |          |
| Site Position:        |          | Northing:        | 523,294.87 ft  | Latitude:  | 40° 45' 34.690 N  |          |
| From:                 | Lat/Long | Easting:         | 2,427,698.04ft | Longitude: | 103° 57' 21.996 W |          |
| Position Uncertainty: |          | 0.00 ft          | Slot Radius:   | "          | Grid Convergence: | 1.00 deg |

|                      |                  |         |                     |                 |               |                   |
|----------------------|------------------|---------|---------------------|-----------------|---------------|-------------------|
| Well                 | Igo Creek 07-10H |         |                     |                 |               |                   |
| Well Position        | +N/-S            | 0.00 ft | Northing:           | 523,294.87 ft   | Latitude:     | 40° 45' 34.690 N  |
|                      | +E/-W            | 0.00 ft | Easting:            | 2,427,698.04 ft | Longitude:    | 103° 57' 21.996 W |
| Position Uncertainty |                  | 0.00 ft | Wellhead Elevation: | ft              | Ground Level: | 4,975.00 ft       |

|                  |                   |                    |                          |                        |                            |
|------------------|-------------------|--------------------|--------------------------|------------------------|----------------------------|
| <b>Wellbore</b>  | Original Wellbore |                    |                          |                        |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (deg)</b> | <b>Dip Angle (deg)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF200510        | 1/13/2011          | 8.46                     | 67.50                  | 53,465                     |

|                          |                              |                   |                      |                        |
|--------------------------|------------------------------|-------------------|----------------------|------------------------|
| <b>Design</b>            | APD Directional Plan         |                   |                      |                        |
| <b>Audit Notes:</b>      |                              |                   |                      |                        |
| <b>Version:</b>          | <b>Phase:</b>                | PROTOTYPE         | <b>Tie On Depth:</b> | 0.00                   |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b>    | <b>Direction (deg)</b> |
|                          | 0.00                         | 0.00              | 0.00                 | 332.36                 |

| <b>Plan Sections</b> |                   |               |                     |            |            |                       |                      |                     |           |                     |
|----------------------|-------------------|---------------|---------------------|------------|------------|-----------------------|----------------------|---------------------|-----------|---------------------|
| Measured Depth (ft)  | Inclination (deg) | Azimuth (deg) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (?/100ft) | Build Rate (?/100ft) | Turn Rate (?/100ft) | TFO (deg) | Target              |
| 0.00                 | 0.00              | 0.00          | 0.00                | 0.00       | 0.00       | 0.00                  | 0.00                 | 0.00                | 0.00      |                     |
| 5,648.53             | 0.00              | 0.00          | 5,648.53            | 0.00       | 0.00       | 0.00                  | 0.00                 | 0.00                | 0.00      |                     |
| 6,398.54             | 90.00             | 332.36        | 6,126.00            | 422.98     | -221.50    | 12.00                 | 12.00                | 0.00                | 332.36    |                     |
| 10,574.17            | 90.00             | 332.36        | 6,126.00            | 4,122.10   | -2,158.62  | 0.00                  | 0.00                 | 0.00                | 0.00      | Igo Creek 07-10H (I |

# EOG Resources Inc

## Planning Report

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|------------------|---------------------------|-------------------------------------|-----------------------|
| <b>Database:</b> | EDM                       | <b>Local Co-ordinate Reference:</b> | Site Igo Creek 07-10H |
| <b>Company:</b>  | Denver Division- Colorado | <b>TVD Reference:</b>               | RIG @ 4997.00ft (TBD) |
| <b>Project:</b>  | DJ - Hereford Ranch       | <b>MD Reference:</b>                | RIG @ 4997.00ft (TBD) |
| <b>Site:</b>     | Igo Creek 07-10H          | <b>North Reference:</b>             | True                  |
| <b>Well:</b>     | Igo Creek 07-10H          | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Wellbore:</b> | Original Wellbore         |                                     |                       |
| <b>Design:</b>   | APD Directional Plan      |                                     |                       |

### Planned Survey

| Measured Depth (ft) | Inclination (deg) | Azimuth (deg) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (?/100ft) | Build Rate (?/100ft) | Turn Rate (?/100ft) |
|---------------------|-------------------|---------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 0.00                | 0.00              | 0.00          | 0.00                | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 100.00              | 0.00              | 0.00          | 100.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 200.00              | 0.00              | 0.00          | 200.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 300.00              | 0.00              | 0.00          | 300.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 400.00              | 0.00              | 0.00          | 400.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 500.00              | 0.00              | 0.00          | 500.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 600.00              | 0.00              | 0.00          | 600.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 700.00              | 0.00              | 0.00          | 700.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 800.00              | 0.00              | 0.00          | 800.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| <b>9-5/8"</b>       |                   |               |                     |            |            |                       |                       |                      |                     |
| 900.00              | 0.00              | 0.00          | 900.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,000.00            | 0.00              | 0.00          | 1,000.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,100.00            | 0.00              | 0.00          | 1,100.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,200.00            | 0.00              | 0.00          | 1,200.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,300.00            | 0.00              | 0.00          | 1,300.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,400.00            | 0.00              | 0.00          | 1,400.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,500.00            | 0.00              | 0.00          | 1,500.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,600.00            | 0.00              | 0.00          | 1,600.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,700.00            | 0.00              | 0.00          | 1,700.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,800.00            | 0.00              | 0.00          | 1,800.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,900.00            | 0.00              | 0.00          | 1,900.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,000.00            | 0.00              | 0.00          | 2,000.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,100.00            | 0.00              | 0.00          | 2,100.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,200.00            | 0.00              | 0.00          | 2,200.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,300.00            | 0.00              | 0.00          | 2,300.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,400.00            | 0.00              | 0.00          | 2,400.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,500.00            | 0.00              | 0.00          | 2,500.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,600.00            | 0.00              | 0.00          | 2,600.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,700.00            | 0.00              | 0.00          | 2,700.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,800.00            | 0.00              | 0.00          | 2,800.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 2,900.00            | 0.00              | 0.00          | 2,900.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,000.00            | 0.00              | 0.00          | 3,000.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,100.00            | 0.00              | 0.00          | 3,100.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,200.00            | 0.00              | 0.00          | 3,200.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,300.00            | 0.00              | 0.00          | 3,300.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,400.00            | 0.00              | 0.00          | 3,400.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,500.00            | 0.00              | 0.00          | 3,500.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,600.00            | 0.00              | 0.00          | 3,600.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,700.00            | 0.00              | 0.00          | 3,700.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,800.00            | 0.00              | 0.00          | 3,800.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 3,900.00            | 0.00              | 0.00          | 3,900.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 4,000.00            | 0.00              | 0.00          | 4,000.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 4,100.00            | 0.00              | 0.00          | 4,100.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 4,200.00            | 0.00              | 0.00          | 4,200.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 4,300.00            | 0.00              | 0.00          | 4,300.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 4,400.00            | 0.00              | 0.00          | 4,400.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 4,500.00            | 0.00              | 0.00          | 4,500.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 4,600.00            | 0.00              | 0.00          | 4,600.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 4,700.00            | 0.00              | 0.00          | 4,700.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 4,800.00            | 0.00              | 0.00          | 4,800.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 4,900.00            | 0.00              | 0.00          | 4,900.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 5,000.00            | 0.00              | 0.00          | 5,000.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 5,100.00            | 0.00              | 0.00          | 5,100.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |

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## Planning Report

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|------------------|---------------------------|-------------------------------------|-----------------------|
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| <b>Company:</b>  | Denver Division- Colorado | <b>TVD Reference:</b>               | RIG @ 4997.00ft (TBD) |
| <b>Project:</b>  | DJ - Hereford Ranch       | <b>MD Reference:</b>                | RIG @ 4997.00ft (TBD) |
| <b>Site:</b>     | Igo Creek 07-10H          | <b>North Reference:</b>             | True                  |
| <b>Well:</b>     | Igo Creek 07-10H          | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Wellbore:</b> | Original Wellbore         |                                     |                       |
| <b>Design:</b>   | APD Directional Plan      |                                     |                       |

### Planned Survey

| Measured Depth (ft) | Inclination (deg) | Azimuth (deg) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (?/100ft) | Build Rate (?/100ft) | Turn Rate (?/100ft) |
|---------------------|-------------------|---------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 5,200.00            | 0.00              | 0.00          | 5,200.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 5,300.00            | 0.00              | 0.00          | 5,300.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 5,400.00            | 0.00              | 0.00          | 5,400.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 5,500.00            | 0.00              | 0.00          | 5,500.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 5,600.00            | 0.00              | 0.00          | 5,600.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 5,648.53            | 0.00              | 0.00          | 5,648.53            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 5,700.00            | 6.18              | 332.36        | 5,699.90            | 2.45       | -1.29      | 2.77                  | 12.00                 | 12.00                | 0.00                |
| 5,800.00            | 18.18             | 332.36        | 5,797.47            | 21.11      | -11.05     | 23.82                 | 12.00                 | 12.00                | 0.00                |
| 5,900.00            | 30.18             | 332.36        | 5,888.53            | 57.32      | -30.02     | 64.70                 | 12.00                 | 12.00                | 0.00                |
| 6,000.00            | 42.18             | 332.36        | 5,969.11            | 109.51     | -57.35     | 123.62                | 12.00                 | 12.00                | 0.00                |
| 6,100.00            | 54.18             | 332.36        | 6,035.67            | 175.41     | -91.86     | 198.00                | 12.00                 | 12.00                | 0.00                |
| 6,200.00            | 66.18             | 332.36        | 6,085.31            | 252.12     | -132.03    | 284.60                | 12.00                 | 12.00                | 0.00                |
| 6,300.00            | 78.18             | 332.36        | 6,115.87            | 336.31     | -176.11    | 379.63                | 12.00                 | 12.00                | 0.00                |
| 6,398.54            | 90.00             | 332.36        | 6,126.00            | 422.98     | -221.50    | 477.47                | 12.00                 | 12.00                | 0.00                |
| 7"                  |                   |               |                     |            |            |                       |                       |                      |                     |
| 6,400.00            | 90.00             | 332.36        | 6,126.00            | 424.28     | -222.18    | 478.93                | 0.00                  | 0.00                 | 0.00                |
| 6,500.00            | 90.00             | 332.36        | 6,126.00            | 512.86     | -268.57    | 578.93                | 0.00                  | 0.00                 | 0.00                |
| 6,600.00            | 90.00             | 332.36        | 6,126.00            | 601.45     | -314.96    | 678.93                | 0.00                  | 0.00                 | 0.00                |
| 6,700.00            | 90.00             | 332.36        | 6,126.00            | 690.04     | -361.35    | 778.93                | 0.00                  | 0.00                 | 0.00                |
| 6,800.00            | 90.00             | 332.36        | 6,126.00            | 778.63     | -407.74    | 878.93                | 0.00                  | 0.00                 | 0.00                |
| 6,900.00            | 90.00             | 332.36        | 6,126.00            | 867.22     | -454.13    | 978.93                | 0.00                  | 0.00                 | 0.00                |
| 7,000.00            | 90.00             | 332.36        | 6,126.00            | 955.81     | -500.53    | 1,078.93              | 0.00                  | 0.00                 | 0.00                |
| 7,100.00            | 90.00             | 332.36        | 6,126.00            | 1,044.39   | -546.92    | 1,178.93              | 0.00                  | 0.00                 | 0.00                |
| 7,200.00            | 90.00             | 332.36        | 6,126.00            | 1,132.98   | -593.31    | 1,278.93              | 0.00                  | 0.00                 | 0.00                |
| 7,300.00            | 90.00             | 332.36        | 6,126.00            | 1,221.57   | -639.70    | 1,378.93              | 0.00                  | 0.00                 | 0.00                |
| 7,400.00            | 90.00             | 332.36        | 6,126.00            | 1,310.16   | -686.09    | 1,478.93              | 0.00                  | 0.00                 | 0.00                |
| 7,500.00            | 90.00             | 332.36        | 6,126.00            | 1,398.75   | -732.48    | 1,578.93              | 0.00                  | 0.00                 | 0.00                |
| 7,600.00            | 90.00             | 332.36        | 6,126.00            | 1,487.34   | -778.87    | 1,678.93              | 0.00                  | 0.00                 | 0.00                |
| 7,700.00            | 90.00             | 332.36        | 6,126.00            | 1,575.92   | -825.26    | 1,778.93              | 0.00                  | 0.00                 | 0.00                |
| 7,800.00            | 90.00             | 332.36        | 6,126.00            | 1,664.51   | -871.65    | 1,878.93              | 0.00                  | 0.00                 | 0.00                |
| 7,900.00            | 90.00             | 332.36        | 6,126.00            | 1,753.10   | -918.04    | 1,978.93              | 0.00                  | 0.00                 | 0.00                |
| 8,000.00            | 90.00             | 332.36        | 6,126.00            | 1,841.69   | -964.43    | 2,078.93              | 0.00                  | 0.00                 | 0.00                |
| 8,100.00            | 90.00             | 332.36        | 6,126.00            | 1,930.28   | -1,010.83  | 2,178.93              | 0.00                  | 0.00                 | 0.00                |
| 8,200.00            | 90.00             | 332.36        | 6,126.00            | 2,018.87   | -1,057.22  | 2,278.93              | 0.00                  | 0.00                 | 0.00                |
| 8,300.00            | 90.00             | 332.36        | 6,126.00            | 2,107.45   | -1,103.61  | 2,378.93              | 0.00                  | 0.00                 | 0.00                |
| 8,400.00            | 90.00             | 332.36        | 6,126.00            | 2,196.04   | -1,150.00  | 2,478.93              | 0.00                  | 0.00                 | 0.00                |
| 8,500.00            | 90.00             | 332.36        | 6,126.00            | 2,284.63   | -1,196.39  | 2,578.93              | 0.00                  | 0.00                 | 0.00                |
| 8,600.00            | 90.00             | 332.36        | 6,126.00            | 2,373.22   | -1,242.78  | 2,678.93              | 0.00                  | 0.00                 | 0.00                |
| 8,700.00            | 90.00             | 332.36        | 6,126.00            | 2,461.81   | -1,289.17  | 2,778.93              | 0.00                  | 0.00                 | 0.00                |
| 8,800.00            | 90.00             | 332.36        | 6,126.00            | 2,550.39   | -1,335.56  | 2,878.93              | 0.00                  | 0.00                 | 0.00                |
| 8,900.00            | 90.00             | 332.36        | 6,126.00            | 2,638.98   | -1,381.95  | 2,978.93              | 0.00                  | 0.00                 | 0.00                |
| 9,000.00            | 90.00             | 332.36        | 6,126.00            | 2,727.57   | -1,428.34  | 3,078.93              | 0.00                  | 0.00                 | 0.00                |
| 9,100.00            | 90.00             | 332.36        | 6,126.00            | 2,816.16   | -1,474.73  | 3,178.93              | 0.00                  | 0.00                 | 0.00                |
| 9,200.00            | 90.00             | 332.36        | 6,126.00            | 2,904.75   | -1,521.13  | 3,278.93              | 0.00                  | 0.00                 | 0.00                |
| 9,300.00            | 90.00             | 332.36        | 6,126.00            | 2,993.34   | -1,567.52  | 3,378.93              | 0.00                  | 0.00                 | 0.00                |
| 9,400.00            | 90.00             | 332.36        | 6,126.00            | 3,081.92   | -1,613.91  | 3,478.93              | 0.00                  | 0.00                 | 0.00                |
| 9,500.00            | 90.00             | 332.36        | 6,126.00            | 3,170.51   | -1,660.30  | 3,578.93              | 0.00                  | 0.00                 | 0.00                |
| 9,600.00            | 90.00             | 332.36        | 6,126.00            | 3,259.10   | -1,706.69  | 3,678.93              | 0.00                  | 0.00                 | 0.00                |
| 9,700.00            | 90.00             | 332.36        | 6,126.00            | 3,347.69   | -1,753.08  | 3,778.93              | 0.00                  | 0.00                 | 0.00                |
| 9,800.00            | 90.00             | 332.36        | 6,126.00            | 3,436.28   | -1,799.47  | 3,878.93              | 0.00                  | 0.00                 | 0.00                |
| 9,900.00            | 90.00             | 332.36        | 6,126.00            | 3,524.87   | -1,845.86  | 3,978.93              | 0.00                  | 0.00                 | 0.00                |
| 10,000.00           | 90.00             | 332.36        | 6,126.00            | 3,613.45   | -1,892.25  | 4,078.93              | 0.00                  | 0.00                 | 0.00                |
| 10,100.00           | 90.00             | 332.36        | 6,126.00            | 3,702.04   | -1,938.64  | 4,178.93              | 0.00                  | 0.00                 | 0.00                |

# EOG Resources Inc

## Planning Report

|                  |                           |                                     |                       |
|------------------|---------------------------|-------------------------------------|-----------------------|
| <b>Database:</b> | EDM                       | <b>Local Co-ordinate Reference:</b> | Site Igo Creek 07-10H |
| <b>Company:</b>  | Denver Division- Colorado | <b>TVD Reference:</b>               | RIG @ 4997.00ft (TBD) |
| <b>Project:</b>  | DJ - Hereford Ranch       | <b>MD Reference:</b>                | RIG @ 4997.00ft (TBD) |
| <b>Site:</b>     | Igo Creek 07-10H          | <b>North Reference:</b>             | True                  |
| <b>Well:</b>     | Igo Creek 07-10H          | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Wellbore:</b> | Original Wellbore         |                                     |                       |
| <b>Design:</b>   | APD Directional Plan      |                                     |                       |

| Planned Survey                  |                   |               |                     |            |            |                       |                       |                      |                     |
|---------------------------------|-------------------|---------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft)             | Inclination (deg) | Azimuth (deg) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (?/100ft) | Build Rate (?/100ft) | Turn Rate (?/100ft) |
| 10,200.00                       | 90.00             | 332.36        | 6,126.00            | 3,790.63   | -1,985.03  | 4,278.93              | 0.00                  | 0.00                 | 0.00                |
| 10,300.00                       | 90.00             | 332.36        | 6,126.00            | 3,879.22   | -2,031.43  | 4,378.93              | 0.00                  | 0.00                 | 0.00                |
| 10,400.00                       | 90.00             | 332.36        | 6,126.00            | 3,967.81   | -2,077.82  | 4,478.93              | 0.00                  | 0.00                 | 0.00                |
| 10,500.00                       | 90.00             | 332.36        | 6,126.00            | 4,056.40   | -2,124.21  | 4,578.93              | 0.00                  | 0.00                 | 0.00                |
| 10,574.17                       | 90.00             | 332.36        | 6,126.00            | 4,122.10   | -2,158.62  | 4,653.10              | 0.00                  | 0.00                 | 0.00                |
| 4 1/2" - Igo Creek 07-10H (BHL) |                   |               |                     |            |            |                       |                       |                      |                     |

| Targets   |                   |                 |                |          |            |            |               |              |                                    |
|---|-------------------|-----------------|----------------|----------|------------|------------|---------------|--------------|------------------------------------|
| Target Name   | - hit/miss target | Dip Angle (deg) | Dip Dir. (deg) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (ft) | Easting (ft) | Latitude Longitude                 |
| Igo Creek 07-10H (BH-<br>- plan hits target center<br>- Point |                   | 0.00            | 0.00           | 6,126.00 | 4,122.10   | -2,158.62  | 527,378.76    | 2,425,467.99 | 40° 46' 15.420 N 103° 57' 50.051 W |

| Casing Points       |                     |        |                     |                   |  |
|---------------------|---------------------|--------|---------------------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name   | Casing Diameter (") | Hole Diameter (") |  |
| 800.00              | 800.00              | 9-5/8" | 9-5/8               | 13-1/2            |  |
| 6,398.54            | 6,126.00            | 7"     | 7                   | 8-3/4             |  |
| 10,574.17           | 6,126.00            | 4 1/2" | 4-1/2               | 6-1/4             |  |

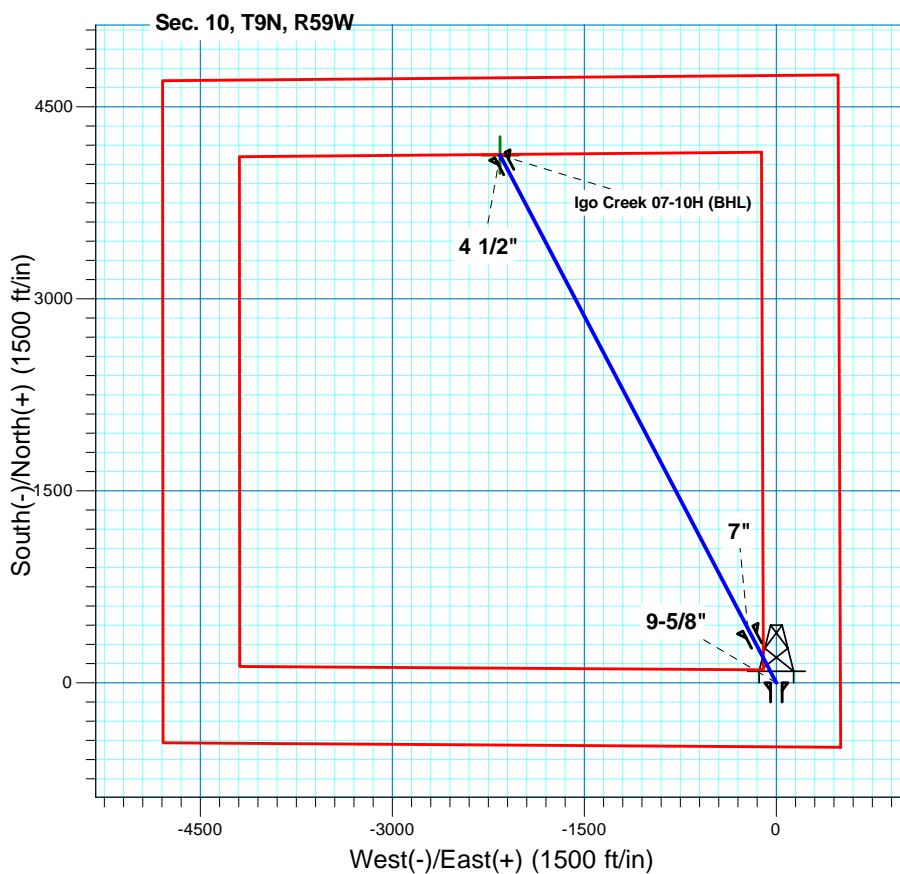
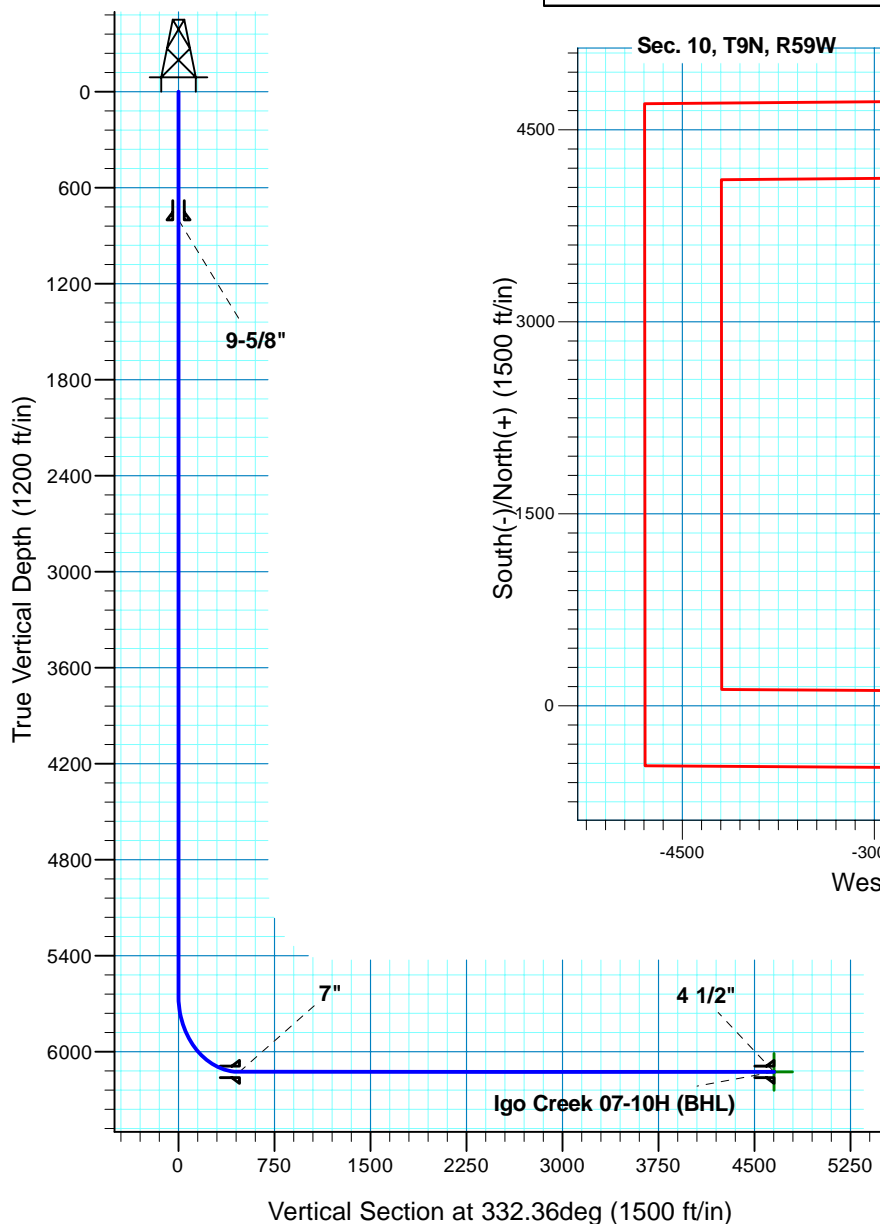
# Igo Creek 07-10H

## Section 10 T9N R59W

### Weld County, CO

#### Surface Location

NAD 1927 (NADCON CONUS) Colorado North 501  
 Ground Elevation: 4975.00 RIG @ 4997.00ft (TBD)  
 Northing Easting Latitude Longitude  
 523294.87 2427698.04 40° 45' 34.690 N 103° 57' 21.996 W



**T M**  
 Azimuths to True North  
 Magnetic North: 8.46°  
 Magnetic Field  
 Strength: 53465.2snT  
 Dip Angle: 67.50°  
 Date: 1/13/2011  
 Model: IGRF200510

Project: DJ - Hereford Ranch  
 Site: Igo Creek 07-10H  
 Well: Igo Creek 07-10H  
 Plan: APD Directional Plan

#### SECTION DETAILS

| Sec | MD       | Inc   | Azi    | TVD     | +N/-S   | +E/-W    | DLeg  | TFace  | VSec    | Target                 |
|-----|----------|-------|--------|---------|---------|----------|-------|--------|---------|------------------------|
| 1   | 0.00     | 0.00  | 0.00   | 0.00    | 0.00    | 0.00     | 0.00  | 0.00   | 0.00    |                        |
| 2   | 5648.53  | 0.00  | 0.00   | 5648.53 | 0.00    | 0.00     | 0.00  | 0.00   | 0.00    |                        |
| 3   | 6398.54  | 90.00 | 332.36 | 6126.00 | 422.98  | -221.50  | 12.00 | 332.36 | 477.47  |                        |
| 4   | 10574.17 | 90.00 | 332.36 | 6126.00 | 4122.10 | -2158.62 | 0.00  | 0.00   | 4653.10 | Igo Creek 07-10H (BHL) |

#### TARGET DETAILS

| Name                   | TVD     | +N/-S   | +E/-W    | Northing  | Easting    | Latitude         | Longitude         | Shape |
|------------------------|---------|---------|----------|-----------|------------|------------------|-------------------|-------|
| Igo Creek 07-10H (BHL) | 6126.00 | 4122.10 | -2158.62 | 527378.76 | 2425467.99 | 40° 46' 15.420 N | 103° 57' 50.051 W | Point |