

**HOBBS CCD**

**APR 29 2016**

**RECEIVED**

**DEVON ENERGY**

**Lea County, NM (NAD-83)**

**Hognose Viper 23 Fed**

**6H**

**OH**

**Plan: Plan #1**

**Standard Planning Report**

**20 May, 2015**

**MAY 03 2016**

# LEAM Drilling Systems LLC

## Planning Report

|           |                           |                              |                                    |
|-----------|---------------------------|------------------------------|------------------------------------|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well 6H                            |
| Company:  | DEVON ENERGY              | TVD Reference:               | 3684.7' GL + 25' RKB @ 3709.70usft |
| Project:  | Lea County, NM (NAD-83)   | MD Reference:                | 3684.7' GL + 25' RKB @ 3709.70usft |
| Site:     | Hognose Viper 23 Fed      | North Reference:             | Grid                               |
| Well:     | 6H                        | Survey Calculation Method:   | Minimum Curvature                  |
| Wellbore: | OH                        |                              |                                    |
| Design:   | Plan #1                   |                              |                                    |

|             |                           |               |                |
|-------------|---------------------------|---------------|----------------|
| Project:    | Lea County, NM (NAD-83)   |               |                |
| Map System: | US State Plane 1983       | System Datum: | Mean Sea Level |
| Geo Datum:  | North American Datum 1983 |               |                |
| Map Zone:   | New Mexico Eastern Zone   |               |                |

|                       |                      |                   |                   |
|-----------------------|----------------------|-------------------|-------------------|
| Site:                 | Hognose Viper 23 Fed |                   |                   |
| Site Position:        |                      | Northing:         | 467,883.33 usft   |
| From:                 | Map                  | Easting:          | 785,266.95 usft   |
| Position Uncertainty: | 0.00 usft            | Slot Radius:      | 13-3/16 "         |
|                       |                      | Latitude:         | 32° 17' 1.746 N   |
|                       |                      | Longitude:        | 103° 32' 38.413 W |
|                       |                      | Grid Convergence: | 0.42 °            |

|                      |           |                     |                   |
|----------------------|-----------|---------------------|-------------------|
| Well:                | 6H        |                     |                   |
| Well Position        | +N/-S     | 0.24 usft           | Northing:         |
|                      | +E/-W     | 49.97 usft          | Easting:          |
| Position Uncertainty | 0.00 usft | Wellhead Elevation: | 3,709.70 usft     |
|                      |           | Latitude:           | 32° 17' 1.744 N   |
|                      |           | Longitude:          | 103° 32' 37.830 W |
|                      |           | Ground Level:       | 3,684.70 usft     |

|           |            |             |                |
|-----------|------------|-------------|----------------|
| Wellbore: | OH         |             |                |
| Magnetics | Model Name | Sample Date | Declination    |
|           | BGGM2014   | 5/20/2015   | 7.27           |
|           |            |             | Dip Angle      |
|           |            |             | 60.14          |
|           |            |             | Field Strength |
|           |            |             | 48,206         |

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

| Plan Sections         |                 |             |                       |              |              |                         |                        |                       |         |                 |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|------------------------|-----------------------|---------|-----------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target          |
| 0.00                  | 0.00            | 0.00        | 0.00                  | 0.00         | 0.00         | 0.00                    | 0.00                   | 0.00                  | 0.00    |                 |
| 5,000.00              | 0.00            | 0.00        | 5,000.00              | 0.00         | 0.00         | 0.00                    | 0.00                   | 0.00                  | 0.00    |                 |
| 5,333.33              | 5.00            | 232.00      | 5,332.91              | -8.95        | -11.45       | 1.50                    | 1.50                   | 0.00                  | 232.00  |                 |
| 7,833.33              | 5.00            | 232.00      | 7,823.40              | -143.09      | -183.15      | 0.00                    | 0.00                   | 0.00                  | 0.00    |                 |
| 8,166.67              | 0.00            | 0.00        | 8,156.31              | -152.04      | -194.61      | 1.50                    | -1.50                  | 0.00                  | 180.00  |                 |
| 9,502.46              | 0.00            | 0.00        | 9,492.10              | -152.04      | -194.61      | 0.00                    | 0.00                   | 0.00                  | 0.00    |                 |
| 10,410.66             | 90.82           | 360.00      | 10,065.00             | 429.12       | -194.65      | 10.00                   | 10.00                  | 0.00                  | 360.00  |                 |
| 14,602.05             | 90.82           | 360.00      | 10,005.00             | 4,620.08     | -194.97      | 0.00                    | 0.00                   | 0.00                  | 0.00    | PBHL (HV23F 6H) |

# LEAM Drilling Systems LLC

## Planning Report

|           |                           |                              |                                    |
|-----------|---------------------------|------------------------------|------------------------------------|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well 6H                            |
| Company:  | DEVON ENERGY              | TVD Reference:               | 3684.7' GL + 25' RKB @ 3709.70usft |
| Project:  | Lea County, NM (NAD-83)   | MD Reference:                | 3684.7' GL + 25' RKB @ 3709.70usft |
| Site:     | Hognose Viper 23 Fed      | North Reference:             | Grid                               |
| Well:     | 6H                        | Survey Calculation Method:   | Minimum Curvature                  |
| Wellbore: | OH                        |                              |                                    |
| Design:   | Plan #1                   |                              |                                    |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 0.00                  | 0.00            | 0.00        | 0.00                  | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| SHL (HV23F 6H)        |                 |             |                       |              |              |                         |                         |                        |                       |
| 100.00                | 0.00            | 0.00        | 100.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 200.00                | 0.00            | 0.00        | 200.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 300.00                | 0.00            | 0.00        | 300.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 400.00                | 0.00            | 0.00        | 400.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 500.00                | 0.00            | 0.00        | 500.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 600.00                | 0.00            | 0.00        | 600.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 700.00                | 0.00            | 0.00        | 700.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 800.00                | 0.00            | 0.00        | 800.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 900.00                | 0.00            | 0.00        | 900.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,000.00              | 0.00            | 0.00        | 1,000.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,100.00              | 0.00            | 0.00        | 1,100.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,200.00              | 0.00            | 0.00        | 1,200.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,300.00              | 0.00            | 0.00        | 1,300.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,360.00              | 0.00            | 0.00        | 1,360.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| Rustler               |                 |             |                       |              |              |                         |                         |                        |                       |
| 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                  |
| 1,630.00              | 0.00            | 0.00        | 1,630.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| Top Salt              |                 |             |                       |              |              |                         |                         |                        |                       |
| 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                  |

# LEAM Drilling Systems LLC

## Planning Report

|           |                           |                              |                                    |
|-----------|---------------------------|------------------------------|------------------------------------|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well 6H                            |
| Company:  | DEVON ENERGY              | TVD Reference:               | 3684.7' GL + 25' RKB @ 3709.70usft |
| Project:  | Lea County, NM (NAD-83)   | MD Reference:                | 3684.7' GL + 25' RKB @ 3709.70usft |
| Site:     | Hognose Viper 23 Fed      | North Reference:             | Grid                               |
| Well:     | 6H                        | Survey Calculation Method:   | Minimum Curvature                  |
| Wellbore: | OH                        |                              |                                    |
| Design:   | Plan #1                   |                              |                                    |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 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                  |
| Nudge                 |                 |             |                       |              |              |                         |                         |                        |                       |
| 5,090.01              | 1.35            | 232.00      | 5,090.00              | -0.65        | -0.84        | -0.65                   | 1.50                    | 1.50                   | 0.00                  |
| Base Salt             |                 |             |                       |              |              |                         |                         |                        |                       |
| 5,100.00              | 1.50            | 232.00      | 5,099.99              | -0.81        | -1.03        | -0.81                   | 1.50                    | 1.50                   | 0.00                  |
| 5,200.00              | 3.00            | 232.00      | 5,199.91              | -3.22        | -4.13        | -3.22                   | 1.50                    | 1.50                   | 0.00                  |
| 5,285.27              | 4.28            | 232.00      | 5,285.00              | -6.56        | -8.39        | -6.56                   | 1.50                    | 1.50                   | 0.00                  |
| Delaware              |                 |             |                       |              |              |                         |                         |                        |                       |
| 5,300.00              | 4.50            | 232.00      | 5,299.69              | -7.25        | -9.28        | -7.25                   | 1.50                    | 1.50                   | 0.00                  |
| 5,333.33              | 5.00            | 232.00      | 5,332.91              | -8.95        | -11.45       | -8.95                   | 1.50                    | 1.50                   | 0.00                  |
| Hold                  |                 |             |                       |              |              |                         |                         |                        |                       |
| 5,400.00              | 5.00            | 232.00      | 5,399.32              | -12.53       | -16.03       | -12.53                  | 0.00                    | 0.00                   | 0.00                  |
| 5,500.00              | 5.00            | 232.00      | 5,498.94              | -17.89       | -22.90       | -17.89                  | 0.00                    | 0.00                   | 0.00                  |
| 5,600.00              | 5.00            | 232.00      | 5,598.56              | -23.26       | -29.77       | -23.26                  | 0.00                    | 0.00                   | 0.00                  |
| 5,700.00              | 5.00            | 232.00      | 5,698.18              | -28.62       | -36.64       | -28.62                  | 0.00                    | 0.00                   | 0.00                  |
| 5,800.00              | 5.00            | 232.00      | 5,797.80              | -33.99       | -43.50       | -33.99                  | 0.00                    | 0.00                   | 0.00                  |
| 5,900.00              | 5.00            | 232.00      | 5,897.42              | -39.36       | -50.37       | -39.36                  | 0.00                    | 0.00                   | 0.00                  |
| 6,000.00              | 5.00            | 232.00      | 5,997.04              | -44.72       | -57.24       | -44.72                  | 0.00                    | 0.00                   | 0.00                  |
| 6,100.00              | 5.00            | 232.00      | 6,096.66              | -50.09       | -64.11       | -50.09                  | 0.00                    | 0.00                   | 0.00                  |
| 6,200.00              | 5.00            | 232.00      | 6,196.28              | -55.45       | -70.98       | -55.45                  | 0.00                    | 0.00                   | 0.00                  |
| 6,253.93              | 5.00            | 232.00      | 6,250.00              | -58.35       | -74.68       | -58.35                  | 0.00                    | 0.00                   | 0.00                  |
| Cherry Canyon         |                 |             |                       |              |              |                         |                         |                        |                       |
| 6,300.00              | 5.00            | 232.00      | 6,295.90              | -60.82       | -77.84       | -60.82                  | 0.00                    | 0.00                   | 0.00                  |
| 6,400.00              | 5.00            | 232.00      | 6,395.52              | -66.18       | -84.71       | -66.18                  | 0.00                    | 0.00                   | 0.00                  |
| 6,500.00              | 5.00            | 232.00      | 6,495.14              | -71.55       | -91.58       | -71.55                  | 0.00                    | 0.00                   | 0.00                  |
| 6,600.00              | 5.00            | 232.00      | 6,594.76              | -76.92       | -98.45       | -76.92                  | 0.00                    | 0.00                   | 0.00                  |
| 6,700.00              | 5.00            | 232.00      | 6,694.38              | -82.28       | -105.32      | -82.28                  | 0.00                    | 0.00                   | 0.00                  |
| 6,800.00              | 5.00            | 232.00      | 6,794.00              | -87.65       | -112.18      | -87.65                  | 0.00                    | 0.00                   | 0.00                  |
| 6,900.00              | 5.00            | 232.00      | 6,893.62              | -93.01       | -119.05      | -93.01                  | 0.00                    | 0.00                   | 0.00                  |
| 7,000.00              | 5.00            | 232.00      | 6,993.24              | -98.38       | -125.92      | -98.38                  | 0.00                    | 0.00                   | 0.00                  |
| 7,100.00              | 5.00            | 232.00      | 7,092.85              | -103.75      | -132.79      | -103.75                 | 0.00                    | 0.00                   | 0.00                  |
| 7,200.00              | 5.00            | 232.00      | 7,192.47              | -109.11      | -139.66      | -109.11                 | 0.00                    | 0.00                   | 0.00                  |
| 7,300.00              | 5.00            | 232.00      | 7,292.09              | -114.48      | -146.52      | -114.48                 | 0.00                    | 0.00                   | 0.00                  |
| 7,400.00              | 5.00            | 232.00      | 7,391.71              | -119.84      | -153.39      | -119.84                 | 0.00                    | 0.00                   | 0.00                  |
| 7,500.00              | 5.00            | 232.00      | 7,491.33              | -125.21      | -160.26      | -125.21                 | 0.00                    | 0.00                   | 0.00                  |
| 7,599.04              | 5.00            | 232.00      | 7,590.00              | -130.52      | -167.06      | -130.52                 | 0.00                    | 0.00                   | 0.00                  |
| Brushy Canyon         |                 |             |                       |              |              |                         |                         |                        |                       |
| 7,600.00              | 5.00            | 232.00      | 7,590.95              | -130.57      | -167.13      | -130.57                 | 0.00                    | 0.00                   | 0.00                  |
| 7,700.00              | 5.00            | 232.00      | 7,690.57              | -135.94      | -174.00      | -135.94                 | 0.00                    | 0.00                   | 0.00                  |
| 7,800.00              | 5.00            | 232.00      | 7,790.19              | -141.31      | -180.86      | -141.31                 | 0.00                    | 0.00                   | 0.00                  |
| 7,833.33              | 5.00            | 232.00      | 7,823.40              | -143.09      | -183.15      | -143.09                 | 0.00                    | 0.00                   | 0.00                  |
| Drop                  |                 |             |                       |              |              |                         |                         |                        |                       |
| 7,900.00              | 4.00            | 232.00      | 7,889.86              | -146.32      | -187.27      | -146.32                 | 1.50                    | -1.50                  | 0.00                  |
| 8,000.00              | 2.50            | 232.00      | 7,989.69              | -149.81      | -191.74      | -149.81                 | 1.50                    | -1.50                  | 0.00                  |
| 8,100.00              | 1.00            | 232.00      | 8,089.64              | -151.69      | -194.15      | -151.69                 | 1.50                    | -1.50                  | 0.00                  |
| 8,166.67              | 0.00            | 0.00        | 8,156.31              | -152.04      | -194.61      | -152.04                 | 1.50                    | -1.50                  | 0.00                  |
| Hold                  |                 |             |                       |              |              |                         |                         |                        |                       |
| 8,200.00              | 0.00            | 0.00        | 8,189.64              | -152.04      | -194.61      | -152.04                 | 0.00                    | 0.00                   | 0.00                  |
| 8,300.00              | 0.00            | 0.00        | 8,289.64              | -152.04      | -194.61      | -152.04                 | 0.00                    | 0.00                   | 0.00                  |
| 8,400.00              | 0.00            | 0.00        | 8,389.64              | -152.04      | -194.61      | -152.04                 | 0.00                    | 0.00                   | 0.00                  |
| 8,500.00              | 0.00            | 0.00        | 8,489.64              | -152.04      | -194.61      | -152.04                 | 0.00                    | 0.00                   | 0.00                  |

# LEAM Drilling Systems LLC

## Planning Report

|           |                           |                              |                                    |
|-----------|---------------------------|------------------------------|------------------------------------|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well 6H                            |
| Company:  | DEVON ENERGY              | TVD Reference:               | 3684.7' GL + 25' RKB @ 3709.70usft |
| Project:  | Lea County, NM (NAD-83)   | MD Reference:                | 3684.7' GL + 25' RKB @ 3709.70usft |
| Site:     | Hognose Viper 23 Fed      | North Reference:             | Grid                               |
| Well:     | 6H                        | Survey Calculation Method:   | Minimum Curvature                  |
| Wellbore: | OH                        |                              |                                    |
| Design:   | Plan #1                   |                              |                                    |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 8,600.00              | 0.00            | 0.00        | 8,589.64              | -152.04      | -194.61      | -152.04                 | 0.00                    | 0.00                   | 0.00                  |
| 8,700.00              | 0.00            | 0.00        | 8,689.64              | -152.04      | -194.61      | -152.04                 | 0.00                    | 0.00                   | 0.00                  |
| 8,800.00              | 0.00            | 0.00        | 8,789.64              | -152.04      | -194.61      | -152.04                 | 0.00                    | 0.00                   | 0.00                  |
| 8,900.00              | 0.00            | 0.00        | 8,889.64              | -152.04      | -194.61      | -152.04                 | 0.00                    | 0.00                   | 0.00                  |
| 9,000.00              | 0.00            | 0.00        | 8,989.64              | -152.04      | -194.61      | -152.04                 | 0.00                    | 0.00                   | 0.00                  |
| 9,100.00              | 0.00            | 0.00        | 9,089.64              | -152.04      | -194.61      | -152.04                 | 0.00                    | 0.00                   | 0.00                  |
| 9,160.36              | 0.00            | 0.00        | 9,150.00              | -152.04      | -194.61      | -152.04                 | 0.00                    | 0.00                   | 0.00                  |
| <b>Bone Spring</b>    |                 |             |                       |              |              |                         |                         |                        |                       |
| 9,200.00              | 0.00            | 0.00        | 9,189.64              | -152.04      | -194.61      | -152.04                 | 0.00                    | 0.00                   | 0.00                  |
| 9,300.00              | 0.00            | 0.00        | 9,289.64              | -152.04      | -194.61      | -152.04                 | 0.00                    | 0.00                   | 0.00                  |
| 9,400.00              | 0.00            | 0.00        | 9,389.64              | -152.04      | -194.61      | -152.04                 | 0.00                    | 0.00                   | 0.00                  |
| 9,502.46              | 0.00            | 0.00        | 9,492.10              | -152.04      | -194.61      | -152.04                 | 0.00                    | 0.00                   | 0.00                  |
| <b>KOP 10° DLS</b>    |                 |             |                       |              |              |                         |                         |                        |                       |
| 9,550.00              | 4.75            | 360.00      | 9,539.59              | -150.07      | -194.61      | -150.07                 | 10.00                   | 10.00                  | 0.00                  |
| 9,600.00              | 9.75            | 360.00      | 9,589.17              | -143.76      | -194.61      | -143.76                 | 10.00                   | 10.00                  | 0.00                  |
| 9,650.00              | 14.75           | 360.00      | 9,638.02              | -133.15      | -194.61      | -133.15                 | 10.00                   | 10.00                  | 0.00                  |
| 9,700.00              | 19.75           | 360.00      | 9,685.75              | -118.33      | -194.61      | -118.33                 | 10.00                   | 10.00                  | 0.00                  |
| 9,750.00              | 24.75           | 360.00      | 9,732.01              | -99.40       | -194.61      | -99.40                  | 10.00                   | 10.00                  | 0.00                  |
| 9,800.00              | 29.75           | 360.00      | 9,776.45              | -76.51       | -194.61      | -76.51                  | 10.00                   | 10.00                  | 0.00                  |
| 9,850.00              | 34.75           | 360.00      | 9,818.72              | -49.83       | -194.61      | -49.83                  | 10.00                   | 10.00                  | 0.00                  |
| 9,900.00              | 39.75           | 360.00      | 9,858.50              | -19.57       | -194.62      | -19.57                  | 10.00                   | 10.00                  | 0.00                  |
| 9,950.00              | 44.75           | 360.00      | 9,895.50              | 14.04        | -194.62      | 14.04                   | 10.00                   | 10.00                  | 0.00                  |
| 10,000.00             | 49.75           | 360.00      | 9,929.43              | 50.75        | -194.62      | 50.75                   | 10.00                   | 10.00                  | 0.00                  |
| 10,050.00             | 54.75           | 360.00      | 9,960.02              | 90.27        | -194.63      | 90.27                   | 10.00                   | 10.00                  | 0.00                  |
| 10,100.00             | 59.75           | 360.00      | 9,987.06              | 132.31       | -194.63      | 132.31                  | 10.00                   | 10.00                  | 0.00                  |
| 10,150.00             | 64.75           | 360.00      | 10,010.33             | 176.55       | -194.63      | 176.55                  | 10.00                   | 10.00                  | 0.00                  |
| 10,200.00             | 69.75           | 360.00      | 10,029.66             | 222.64       | -194.64      | 222.64                  | 10.00                   | 10.00                  | 0.00                  |
| 10,250.00             | 74.75           | 360.00      | 10,044.89             | 270.25       | -194.64      | 270.25                  | 10.00                   | 10.00                  | 0.00                  |
| 10,300.00             | 79.75           | 360.00      | 10,055.92             | 319.00       | -194.64      | 319.00                  | 10.00                   | 10.00                  | 0.00                  |
| 10,350.00             | 84.75           | 360.00      | 10,062.66             | 368.53       | -194.65      | 368.53                  | 10.00                   | 10.00                  | 0.00                  |
| 10,400.00             | 89.75           | 360.00      | 10,065.05             | 418.46       | -194.65      | 418.46                  | 10.00                   | 10.00                  | 0.00                  |
| 10,410.66             | 90.82           | 360.00      | 10,065.00             | 429.12       | -194.65      | 429.12                  | 10.00                   | 10.00                  | 0.00                  |
| <b>LP</b>             |                 |             |                       |              |              |                         |                         |                        |                       |
| 10,500.00             | 90.82           | 360.00      | 10,063.72             | 518.45       | -194.66      | 518.45                  | 0.00                    | 0.00                   | 0.00                  |
| 10,600.00             | 90.82           | 360.00      | 10,062.29             | 618.44       | -194.67      | 618.44                  | 0.00                    | 0.00                   | 0.00                  |
| 10,700.00             | 90.82           | 360.00      | 10,060.86             | 718.43       | -194.67      | 718.43                  | 0.00                    | 0.00                   | 0.00                  |
| 10,800.00             | 90.82           | 360.00      | 10,059.42             | 818.42       | -194.68      | 818.42                  | 0.00                    | 0.00                   | 0.00                  |
| 10,900.00             | 90.82           | 360.00      | 10,057.99             | 918.41       | -194.69      | 918.41                  | 0.00                    | 0.00                   | 0.00                  |
| 11,000.00             | 90.82           | 360.00      | 10,056.56             | 1,018.40     | -194.70      | 1,018.40                | 0.00                    | 0.00                   | 0.00                  |
| 11,100.00             | 90.82           | 360.00      | 10,055.13             | 1,118.39     | -194.70      | 1,118.39                | 0.00                    | 0.00                   | 0.00                  |
| 11,200.00             | 90.82           | 360.00      | 10,053.70             | 1,218.38     | -194.71      | 1,218.38                | 0.00                    | 0.00                   | 0.00                  |
| 11,300.00             | 90.82           | 360.00      | 10,052.27             | 1,318.37     | -194.72      | 1,318.37                | 0.00                    | 0.00                   | 0.00                  |
| 11,400.00             | 90.82           | 360.00      | 10,050.84             | 1,418.36     | -194.73      | 1,418.36                | 0.00                    | 0.00                   | 0.00                  |
| 11,500.00             | 90.82           | 360.00      | 10,049.40             | 1,518.35     | -194.73      | 1,518.35                | 0.00                    | 0.00                   | 0.00                  |
| 11,600.00             | 90.82           | 360.00      | 10,047.97             | 1,618.34     | -194.74      | 1,618.34                | 0.00                    | 0.00                   | 0.00                  |
| 11,700.00             | 90.82           | 360.00      | 10,046.54             | 1,718.33     | -194.75      | 1,718.33                | 0.00                    | 0.00                   | 0.00                  |
| 11,800.00             | 90.82           | 360.00      | 10,045.11             | 1,818.31     | -194.76      | 1,818.31                | 0.00                    | 0.00                   | 0.00                  |
| 11,900.00             | 90.82           | 360.00      | 10,043.68             | 1,918.30     | -194.76      | 1,918.30                | 0.00                    | 0.00                   | 0.00                  |
| 12,000.00             | 90.82           | 360.00      | 10,042.25             | 2,018.29     | -194.77      | 2,018.29                | 0.00                    | 0.00                   | 0.00                  |
| 12,100.00             | 90.82           | 360.00      | 10,040.82             | 2,118.28     | -194.78      | 2,118.28                | 0.00                    | 0.00                   | 0.00                  |
| 12,200.00             | 90.82           | 360.00      | 10,039.38             | 2,218.27     | -194.79      | 2,218.27                | 0.00                    | 0.00                   | 0.00                  |
| 12,300.00             | 90.82           | 360.00      | 10,037.95             | 2,318.26     | -194.79      | 2,318.26                | 0.00                    | 0.00                   | 0.00                  |
| 12,400.00             | 90.82           | 360.00      | 10,036.52             | 2,418.25     | -194.80      | 2,418.25                | 0.00                    | 0.00                   | 0.00                  |

# LEAM Drilling Systems LLC

## Planning Report

|           |                           |                              |                                    |
|-----------|---------------------------|------------------------------|------------------------------------|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well 6H                            |
| Company:  | DEVON ENERGY              | TVD Reference:               | 3684.7' GL + 25' RKB @ 3709.70usft |
| Project:  | Lea County, NM (NAD-83)   | MD Reference:                | 3684.7' GL + 25' RKB @ 3709.70usft |
| Site:     | Hognose Viper 23 Fed      | North Reference:             | Grid                               |
| Well:     | 6H                        | Survey Calculation Method:   | Minimum Curvature                  |
| Wellbore: | OH                        |                              |                                    |
| Design:   | Plan #1                   |                              |                                    |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |  |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |  |
| 12,500.00             | 90.82           | 360.00      | 10,035.09             | 2,518.24     | -194.81      | 2,518.24                | 0.00                    | 0.00                   | 0.00                  |  |
| 12,600.00             | 90.82           | 360.00      | 10,033.66             | 2,618.23     | -194.82      | 2,618.23                | 0.00                    | 0.00                   | 0.00                  |  |
| 12,700.00             | 90.82           | 360.00      | 10,032.23             | 2,718.22     | -194.83      | 2,718.22                | 0.00                    | 0.00                   | 0.00                  |  |
| 12,800.00             | 90.82           | 360.00      | 10,030.80             | 2,818.21     | -194.83      | 2,818.21                | 0.00                    | 0.00                   | 0.00                  |  |
| 12,900.00             | 90.82           | 360.00      | 10,029.36             | 2,918.20     | -194.84      | 2,918.20                | 0.00                    | 0.00                   | 0.00                  |  |
| 13,000.00             | 90.82           | 360.00      | 10,027.93             | 3,018.19     | -194.85      | 3,018.19                | 0.00                    | 0.00                   | 0.00                  |  |
| 13,100.00             | 90.82           | 360.00      | 10,026.50             | 3,118.18     | -194.86      | 3,118.18                | 0.00                    | 0.00                   | 0.00                  |  |
| 13,200.00             | 90.82           | 360.00      | 10,025.07             | 3,218.17     | -194.86      | 3,218.17                | 0.00                    | 0.00                   | 0.00                  |  |
| 13,300.00             | 90.82           | 360.00      | 10,023.64             | 3,318.16     | -194.87      | 3,318.16                | 0.00                    | 0.00                   | 0.00                  |  |
| 13,400.00             | 90.82           | 360.00      | 10,022.21             | 3,418.15     | -194.88      | 3,418.15                | 0.00                    | 0.00                   | 0.00                  |  |
| 13,500.00             | 90.82           | 360.00      | 10,020.78             | 3,518.14     | -194.89      | 3,518.14                | 0.00                    | 0.00                   | 0.00                  |  |
| 13,600.00             | 90.82           | 360.00      | 10,019.34             | 3,618.13     | -194.89      | 3,618.13                | 0.00                    | 0.00                   | 0.00                  |  |
| 13,700.00             | 90.82           | 360.00      | 10,017.91             | 3,718.12     | -194.90      | 3,718.12                | 0.00                    | 0.00                   | 0.00                  |  |
| 13,800.00             | 90.82           | 360.00      | 10,016.48             | 3,818.11     | -194.91      | 3,818.11                | 0.00                    | 0.00                   | 0.00                  |  |
| 13,900.00             | 90.82           | 360.00      | 10,015.05             | 3,918.10     | -194.92      | 3,918.10                | 0.00                    | 0.00                   | 0.00                  |  |
| 14,000.00             | 90.82           | 360.00      | 10,013.62             | 4,018.09     | -194.92      | 4,018.09                | 0.00                    | 0.00                   | 0.00                  |  |
| 14,100.00             | 90.82           | 360.00      | 10,012.19             | 4,118.08     | -194.93      | 4,118.08                | 0.00                    | 0.00                   | 0.00                  |  |
| 14,200.00             | 90.82           | 360.00      | 10,010.76             | 4,218.07     | -194.94      | 4,218.07                | 0.00                    | 0.00                   | 0.00                  |  |
| 14,300.00             | 90.82           | 360.00      | 10,009.32             | 4,318.06     | -194.95      | 4,318.06                | 0.00                    | 0.00                   | 0.00                  |  |
| 14,400.00             | 90.82           | 360.00      | 10,007.89             | 4,418.05     | -194.95      | 4,418.05                | 0.00                    | 0.00                   | 0.00                  |  |
| 14,500.00             | 90.82           | 360.00      | 10,006.46             | 4,518.04     | -194.96      | 4,518.04                | 0.00                    | 0.00                   | 0.00                  |  |
| 14,602.05             | 90.82           | 360.00      | 10,005.00             | 4,620.08     | -194.97      | 4,620.08                | 0.00                    | 0.00                   | 0.00                  |  |
| TD - PBHL (HV23F 6H)  |                 |             |                       |              |              |                         |                         |                        |                       |  |

| Design Targets            |               |             |            |              |              |                 |                |                  |                   |
|---------------------------|---------------|-------------|------------|--------------|--------------|-----------------|----------------|------------------|-------------------|
| Target Name               | Dip Angle (°) | Dip Dir (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude         | Longitude         |
| SHL (HV23F 6H)            | 0.00          | 0.00        | 0.00       | 0.00         | 0.00         | 467,883.57      | 785,316.92     | 32° 17' 1.744 N  | 103° 32' 37.830 W |
| - hit/miss target         |               |             |            |              |              |                 |                |                  |                   |
| - Shape                   |               |             |            |              |              |                 |                |                  |                   |
| - plan hits target center |               |             |            |              |              |                 |                |                  |                   |
| - Point                   |               |             |            |              |              |                 |                |                  |                   |
| PBHL (HV23F 6H)           | 0.00          | 0.00        | 10,005.00  | 4,620.08     | -194.97      | 472,503.65      | 785,121.95     | 32° 17' 47.474 N | 103° 32' 39.706 W |
| - plan hits target center |               |             |            |              |              |                 |                |                  |                   |
| - Point                   |               |             |            |              |              |                 |                |                  |                   |

| Formations            |                       |               |           |         |                   |  |
|-----------------------|-----------------------|---------------|-----------|---------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name          | Lithology | Dip (°) | Dip Direction (°) |  |
| 1,360.00              | 1,360.00              | Rustler       |           | 0.00    |                   |  |
| 1,630.00              | 1,630.00              | Top Salt      |           | 0.00    |                   |  |
| 5,090.01              | 5,090.00              | Base Salt     |           | 0.00    |                   |  |
| 5,285.27              | 5,285.00              | Delaware      |           | 0.00    |                   |  |
| 6,253.93              | 6,250.00              | Cherry Canyon |           | 0.00    |                   |  |
| 7,599.04              | 7,590.00              | Brushy Canyon |           | 0.00    |                   |  |
| 9,160.36              | 9,150.00              | Bone Spring   |           | 0.00    |                   |  |

# LEAM Drilling Systems LLC

## Planning Report

|                  |                           |                                     |                                    |
|------------------|---------------------------|-------------------------------------|------------------------------------|
| <b>Database:</b> | EDM 5000.1 Single User Db | <b>Local Co-ordinate Reference:</b> | Well 6H                            |
| <b>Company:</b>  | DEVON ENERGY              | <b>TVD Reference:</b>               | 3684.7' GL + 25' RKB @ 3709.70usft |
| <b>Project:</b>  | Lea County, NM (NAD-83)   | <b>MD Reference:</b>                | 3684.7' GL + 25' RKB @ 3709.70usft |
| <b>Site:</b>     | Hognose Viper 23 Fed      | <b>North Reference:</b>             | Grid                               |
| <b>Well:</b>     | 6H                        | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Wellbore:</b> | OH                        |                                     |                                    |
| <b>Design:</b>   | Plan #1                   |                                     |                                    |

| Plan Annotations            |                             |                   |                |             |
|-----------------------------|-----------------------------|-------------------|----------------|-------------|
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Local Coordinates |                | Comment     |
|                             |                             | +N/S<br>(usft)    | +E/W<br>(usft) |             |
| 5,000.00                    | 5,000.00                    | 0.00              | 0.00           | Nudge       |
| 5,333.33                    | 5,332.91                    | -8.95             | -11.45         | Hold        |
| 7,833.33                    | 7,823.40                    | -143.09           | -183.15        | Drop        |
| 8,166.67                    | 8,156.31                    | -152.04           | -194.61        | Hold        |
| 9,502.46                    | 9,492.10                    | -152.04           | -194.61        | KOP 10° DLS |
| 10,410.66                   | 10,065.00                   | 429.12            | -194.65        | LP          |
| 14,602.05                   | 10,005.00                   | 4,620.08          | -194.97        | TD          |