

# Devon Energy

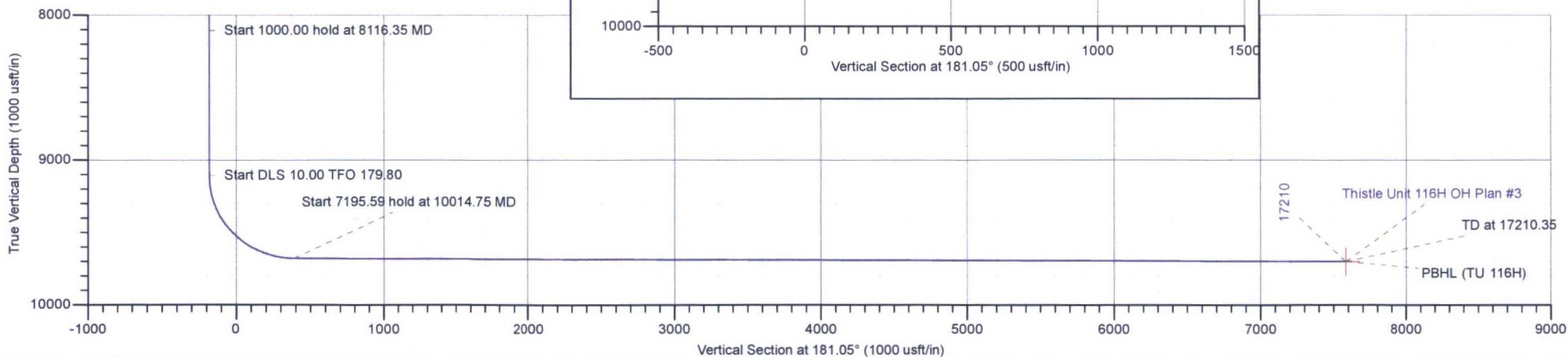
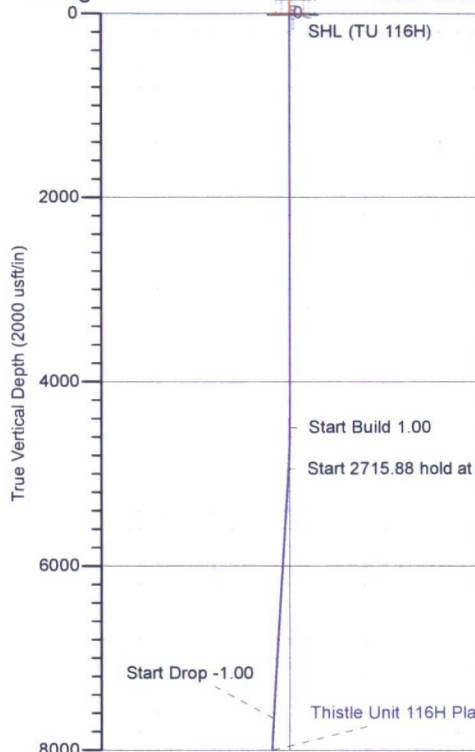
Project: Lea County, NM (NAD-83)  
 Site: Thistle Unit Sec 22-27 Trac Pad  
 Well: Thistle Unit 116H  
 Wellbore: OH  
 Design: Plan #3

3713.3' GE +23.5' KB @ 3736.80usft  
 Ground Level: 3713.30



Azimuths to Grid North  
 True North: -0.41°  
 Magnetic North: 6.43°  
 Magnetic Field  
 Strength: 48158.9snT  
 Dip Angle: 60.08°  
 Date: 9/19/2017  
 Model: HDGM

PROJECT DETAILS: Lea County, NM (NAD-83)  
 Geodetic System: US State Plane 1983  
 Datum: North American Datum 1983  
 Ellipsoid: GRS 1980  
 Zone: New Mexico Eastern Zone

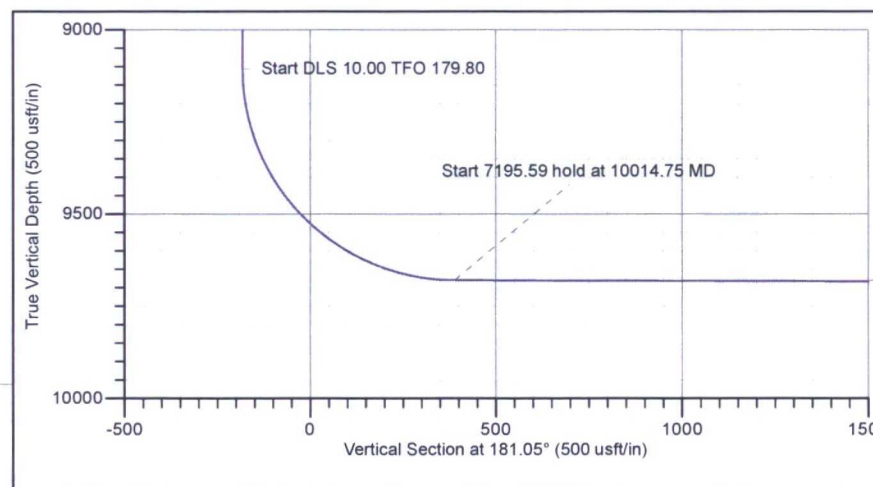


## SECTION DETAILS

| MD       | Inc   | Azi    | TVD     | +N/-S    | +E/-W   | Dleg  | TFace  | VSect   | Annotation |
|----------|-------|--------|---------|----------|---------|-------|--------|---------|------------|
| 0.00     | 0.00  | 0.00   | 0.00    | 0.00     | 0.00    | 0.00  | 0.00   | 0.00    |            |
| 4500.00  | 0.00  | 0.00   | 4500.00 | 0.00     | 0.00    | 0.00  | 0.00   | 0.00    |            |
| 4950.23  | 4.50  | 318.10 | 4949.77 | 13.16    | -11.81  | 1.00  | 318.10 | -12.94  |            |
| 7666.11  | 4.50  | 318.10 | 7657.27 | 171.84   | -154.19 | 0.00  | 0.00   | -168.99 |            |
| 8116.35  | 0.00  | 0.00   | 8107.04 | 185.00   | -166.00 | 1.00  | 180.00 | -181.93 |            |
| 9116.35  | 0.00  | 0.00   | 9107.04 | 185.00   | -166.00 | 0.00  | 0.00   | -181.93 |            |
| 10014.75 | 89.84 | 179.80 | 9680.00 | -386.36  | -164.01 | 10.00 | 179.80 | 389.30  |            |
| 17210.35 | 89.84 | 179.80 | 9700.00 | -7581.88 | -138.97 | 0.00  | 0.00   | 7583.16 |            |

## DESIGN TARGET DETAILS

| Name           | TVD     | +N/-S    | +E/-W   | Latitude          | Longitude          |
|----------------|---------|----------|---------|-------------------|--------------------|
| PBHL (TU 116H) | 9700.00 | -7581.88 | -138.97 | 32° 16' 32.5301 N | 103° 33' 27.9729 W |
| SHL (TU 116H)  | 0.00    | 0.00     | 0.00    | 32° 17' 47.5433 N | 103° 33' 25.7152 W |



LEAM DRILLING SYSTEMS LLC  
 2010 East Davis, Conroe, Texas 77301  
 Phone: 936/756-7577, Fax: 936/756-7595

Plan: Plan #3 (Thistle Unit 116H/OH)  
 Thistle Unit Sec 22-27 Trac Pad  
 Created By: Dustin Ault  
 Date: 15:45, January 22 2018  
 Approved: \_\_\_\_\_ Date: \_\_\_\_\_

# Devon Energy

Project: Lea County, NM (NAD-83)  
Site: Thistle Unit Sec 22-27 Trac Pad  
Well: Thistle Unit 116H  
Wellbore: OH  
Design: Plan #3



Azimuths to Grid North  
True North: -0.41°  
Magnetic North: 6.43°  
Magnetic Field  
Strength: 48158.9snT  
Dip Angle: 60.08°  
Date: 9/19/2017  
Model: HDGM

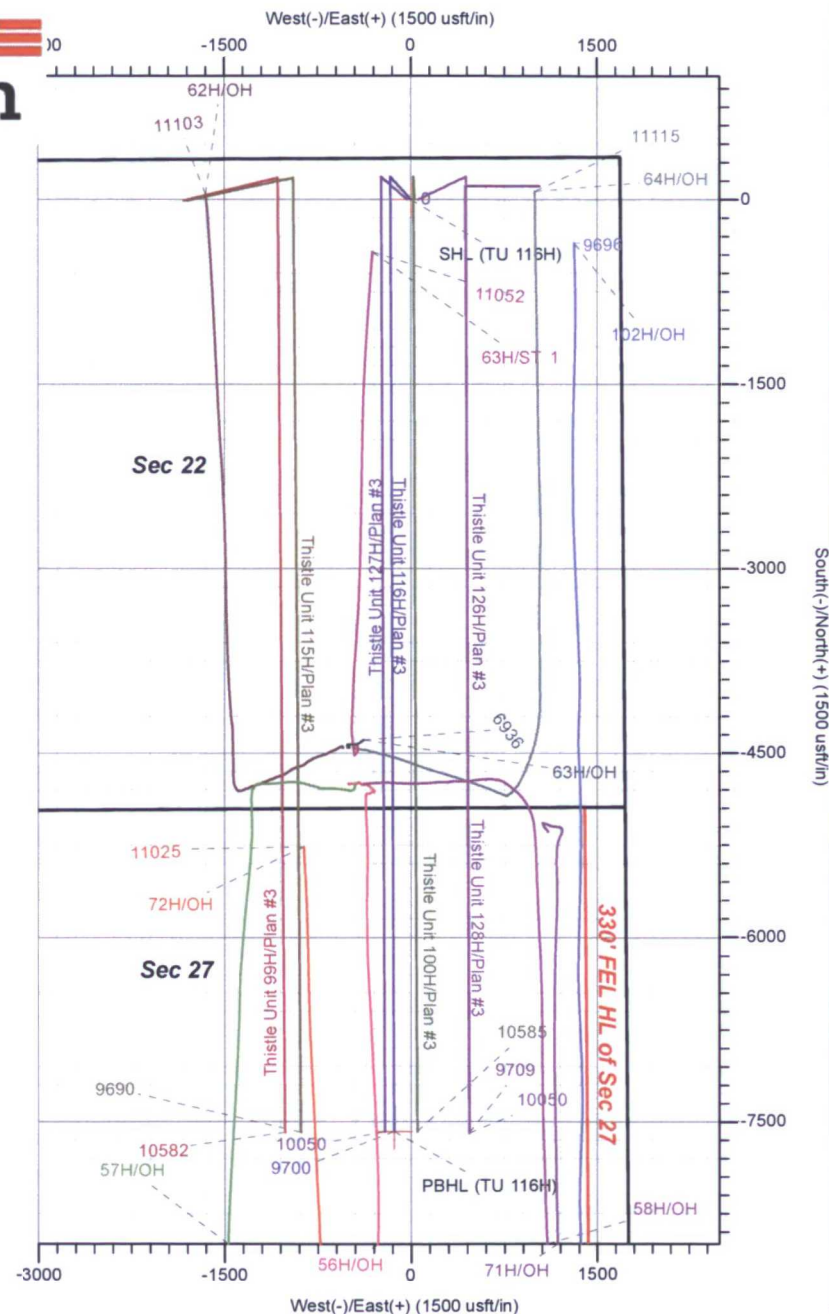
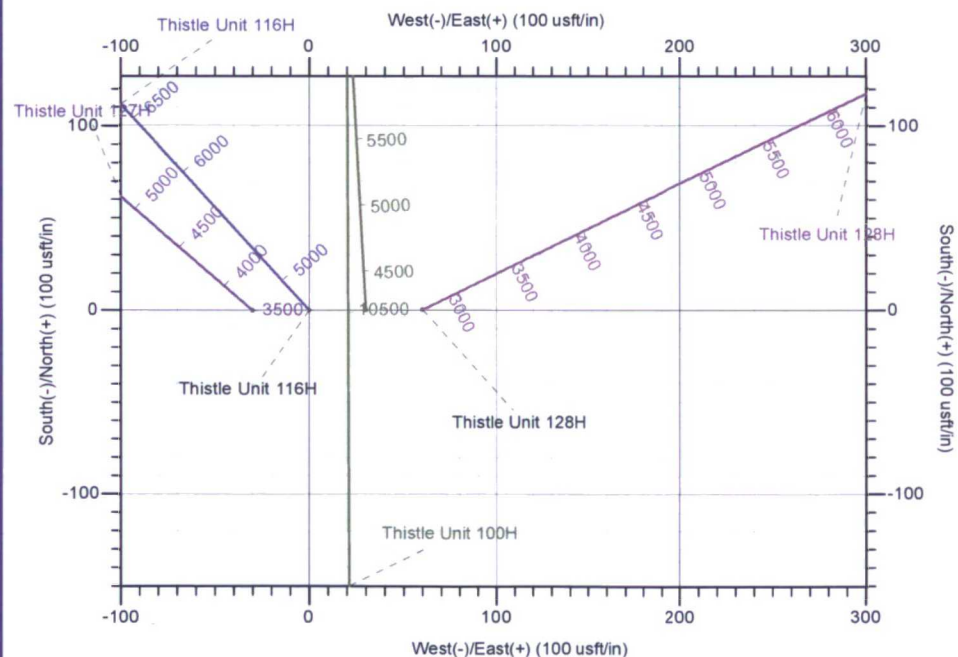
PROJECT DETAILS: Lea County, NM (NAD-83)  
Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: New Mexico Eastern Zone

## SECTION DETAILS

| MD       | Inc   | Azi    | TVD     | +N/-S    | +E/-W   | Dleg  | TFace  | Vsect   | Target         |
|----------|-------|--------|---------|----------|---------|-------|--------|---------|----------------|
| 0.00     | 0.00  | 0.00   | 0.00    | 0.00     | 0.00    | 0.00  | 0.00   | 0.00    |                |
| 4500.00  | 0.00  | 0.00   | 4500.00 | 0.00     | 0.00    | 0.00  | 0.00   | 0.00    |                |
| 4950.23  | 4.50  | 318.10 | 4949.77 | 13.16    | -11.81  | 1.00  | 318.10 | -12.94  |                |
| 7666.11  | 4.50  | 318.10 | 7657.27 | 171.84   | -154.19 | 0.00  | 0.00   | -168.99 |                |
| 8116.35  | 0.00  | 0.00   | 8107.04 | 185.00   | -166.00 | 1.00  | 180.00 | -181.93 |                |
| 9116.35  | 0.00  | 0.00   | 9107.04 | 185.00   | -166.00 | 0.00  | 0.00   | -181.93 |                |
| 10014.75 | 89.84 | 179.80 | 9680.00 | -386.36  | -164.01 | 10.00 | 179.80 | 389.30  |                |
| 17210.35 | 89.84 | 179.80 | 9700.00 | -7581.88 | -138.97 | 0.00  | 0.00   | 7583.16 | PBHL (TU 116H) |

## DESIGN TARGET DETAILS

| Name           | TVD     | +N/-S    | +E/-W   | Northing  | Easting   | Latitude          | Longitude          |
|----------------|---------|----------|---------|-----------|-----------|-------------------|--------------------|
| PBHL (TU 116H) | 9700.00 | -7581.88 | -138.97 | 464899.91 | 781033.79 | 32° 16' 32.5301 N | 103° 33' 27.9729 W |
| SHL (TU 116H)  | 0.00    | 0.00     | 0.00    | 472481.79 | 781172.76 | 32° 17' 47.5433 N | 103° 33' 25.7152 W |



LEAM DRILLING SYSTEMS LLC  
2010 East Davis, Conroe, Texas 77301  
Phone: 936/756-7577, Fax: 936/756-7595

Plan: Plan #3 (Thistle Unit 116H/OH)  
Thistle Unit Sec 22-27 Trac Pad  
Created By: Dustin Ault  
Date: 16:49, January 22 2018  
Approved: \_\_\_\_\_  
Date: \_\_\_\_\_

# **Devon Energy**

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

**Thistle Unit Sec 22-27 Trac Pad**

**Thistle Unit 116H**

**OH**

**Plan: Plan #3**

## **Standard Planning Report**

**22 January, 2018**

# LEAM Drilling Systems LLC

## Planning Report

Database: EDM 5000.1 Multi User Db  
Company: Devon Energy  
Project: Lea County, NM (NAD-83)  
Site: Thistle Unit Sec 22-27 Trac Pad  
Well: Thistle Unit 116H  
Wellbore: OH  
Design: Plan #3

Local Co-ordinate Reference: Well Thistle Unit 116H  
TVD Reference: 3713.3' GE + 23.5' KB @ 3736.80usft  
MD Reference: 3713.3' GE + 23.5' KB @ 3736.80usft  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature

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 Thistle Unit Sec 22-27 Trac Pad

Site Position: Northing: 472,548.43 usft Latitude: 32° 17' 48.4331 N  
From: Map Easting: 777,932.69 usft Longitude: 103° 34' 3.4563 W  
Position Uncertainty: 0.00 usft Slot Radius: 13-3/16 " Grid Convergence: 0.41 °

Well Thistle Unit 116H

Well Position +N/-S -66.63 usft Northing: 472,481.79 usft Latitude: 32° 17' 47.5433 N  
+E/-W 3,240.07 usft Easting: 781,172.76 usft Longitude: 103° 33' 25.7152 W  
Position Uncertainty 0.00 usft Wellhead Elevation: 0.00 usft Ground Level: 3,713.30 usft

Wellbore OH

| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
|-----------|------------|-------------|-----------------|---------------|---------------------|
|           | HDGM       | 9/19/2017   | 6.85            | 60.08         | 48,159              |

Design Plan #3

Audit Notes:

Version: Phase: PLAN Tie On Depth: 0.00

| Vertical Section: | Depth From (TVD) (usft) | +N/-S (usft) | +E/-W (usft) | Direction (°) |
|-------------------|-------------------------|--------------|--------------|---------------|
|                   | 0.00                    | 0.00         | 0.00         | 181.05        |

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    |                |
| 4,500.00              | 0.00            | 0.00        | 4,500.00              | 0.00         | 0.00         | 0.00                    | 0.00                   | 0.00                  | 0.00    |                |
| 4,950.23              | 4.50            | 318.10      | 4,949.77              | 13.16        | -11.81       | 1.00                    | 1.00                   | 0.00                  | 318.10  |                |
| 7,666.11              | 4.50            | 318.10      | 7,657.27              | 171.84       | -154.19      | 0.00                    | 0.00                   | 0.00                  | 0.00    |                |
| 8,116.35              | 0.00            | 0.00        | 8,107.04              | 185.00       | -166.00      | 1.00                    | -1.00                  | 0.00                  | 180.00  |                |
| 9,116.35              | 0.00            | 0.00        | 9,107.04              | 185.00       | -166.00      | 0.00                    | 0.00                   | 0.00                  | 0.00    |                |
| 10,014.75             | 89.84           | 179.80      | 9,680.00              | -386.36      | -164.01      | 10.00                   | 10.00                  | 20.01                 | 179.80  |                |
| 17,210.35             | 89.84           | 179.80      | 9,700.00              | -7,581.88    | -138.97      | 0.00                    | 0.00                   | 0.00                  | 0.00    | PBHL (TU 116H) |

# LEAM Drilling Systems LLC

## Planning Report

|                  |                                 |                                     |                                     |
|------------------|---------------------------------|-------------------------------------|-------------------------------------|
| <b>Database:</b> | EDM 5000.1 Multi User Db        | <b>Local Co-ordinate Reference:</b> | Well Thistle Unit 116H              |
| <b>Company:</b>  | Devon Energy                    | <b>TVD Reference:</b>               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| <b>Project:</b>  | Lea County, NM (NAD-83)         | <b>MD Reference:</b>                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| <b>Site:</b>     | Thistle Unit Sec 22-27 Trac Pad | <b>North Reference:</b>             | Grid                                |
| <b>Well:</b>     | Thistle Unit 116H               | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Wellbore:</b> | OH                              |                                     |                                     |
| <b>Design:</b>   | Plan #3                         |                                     |                                     |

| 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                  |
| <b>SHL (TU 116H)</b>  |                 |             |                       |              |              |                         |                         |                        |                       |
| 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                  |
| 1,400.00              | 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              | 1.00            | 318.10      | 4,600.00              | 0.65         | -0.58        | -0.64                   | 1.00                    | 1.00                   | 0.00                  |
| 4,700.00              | 2.00            | 318.10      | 4,699.96              | 2.60         | -2.33        | -2.55                   | 1.00                    | 1.00                   | 0.00                  |
| 4,800.00              | 3.00            | 318.10      | 4,799.86              | 5.84         | -5.24        | -5.75                   | 1.00                    | 1.00                   | 0.00                  |
| 4,900.00              | 4.00            | 318.10      | 4,899.68              | 10.39        | -9.32        | -10.22                  | 1.00                    | 1.00                   | 0.00                  |
| 4,950.23              | 4.50            | 318.10      | 4,949.77              | 13.16        | -11.81       | -12.94                  | 1.00                    | 1.00                   | 0.00                  |
| 5,000.00              | 4.50            | 318.10      | 4,999.38              | 16.07        | -14.42       | -15.80                  | 0.00                    | 0.00                   | 0.00                  |
| 5,100.00              | 4.50            | 318.10      | 5,099.07              | 21.91        | -19.66       | -21.55                  | 0.00                    | 0.00                   | 0.00                  |

# LEAM Drilling Systems LLC

## Planning Report

|                  |                                 |                                     |                                     |
|------------------|---------------------------------|-------------------------------------|-------------------------------------|
| <b>Database:</b> | EDM 5000.1 Multi User Db        | <b>Local Co-ordinate Reference:</b> | Well Thistle Unit 116H              |
| <b>Company:</b>  | Devon Energy                    | <b>TVD Reference:</b>               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| <b>Project:</b>  | Lea County, NM (NAD-83)         | <b>MD Reference:</b>                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| <b>Site:</b>     | Thistle Unit Sec 22-27 Trac Pad | <b>North Reference:</b>             | Grid                                |
| <b>Well:</b>     | Thistle Unit 116H               | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Wellbore:</b> | OH                              |                                     |                                     |
| <b>Design:</b>   | Plan #3                         |                                     |                                     |

| 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) |
| 5,200.00              | 4.50            | 318.10      | 5,198.77              | 27.75        | -24.90       | -27.29                  | 0.00                    | 0.00                   | 0.00                  |
| 5,300.00              | 4.50            | 318.10      | 5,298.46              | 33.60        | -30.15       | -33.04                  | 0.00                    | 0.00                   | 0.00                  |
| 5,400.00              | 4.50            | 318.10      | 5,398.15              | 39.44        | -35.39       | -38.78                  | 0.00                    | 0.00                   | 0.00                  |
| 5,500.00              | 4.50            | 318.10      | 5,497.84              | 45.28        | -40.63       | -44.53                  | 0.00                    | 0.00                   | 0.00                  |
| 5,600.00              | 4.50            | 318.10      | 5,597.53              | 51.12        | -45.87       | -50.27                  | 0.00                    | 0.00                   | 0.00                  |
| 5,700.00              | 4.50            | 318.10      | 5,697.22              | 56.97        | -51.12       | -56.02                  | 0.00                    | 0.00                   | 0.00                  |
| 5,800.00              | 4.50            | 318.10      | 5,796.91              | 62.81        | -56.36       | -61.77                  | 0.00                    | 0.00                   | 0.00                  |
| 5,900.00              | 4.50            | 318.10      | 5,896.61              | 68.65        | -61.60       | -67.51                  | 0.00                    | 0.00                   | 0.00                  |
| 6,000.00              | 4.50            | 318.10      | 5,996.30              | 74.49        | -66.84       | -73.26                  | 0.00                    | 0.00                   | 0.00                  |
| 6,100.00              | 4.50            | 318.10      | 6,095.99              | 80.34        | -72.09       | -79.00                  | 0.00                    | 0.00                   | 0.00                  |
| 6,200.00              | 4.50            | 318.10      | 6,195.68              | 86.18        | -77.33       | -84.75                  | 0.00                    | 0.00                   | 0.00                  |
| 6,300.00              | 4.50            | 318.10      | 6,295.37              | 92.02        | -82.57       | -90.49                  | 0.00                    | 0.00                   | 0.00                  |
| 6,400.00              | 4.50            | 318.10      | 6,395.06              | 97.87        | -87.81       | -96.24                  | 0.00                    | 0.00                   | 0.00                  |
| 6,500.00              | 4.50            | 318.10      | 6,494.75              | 103.71       | -93.06       | -101.98                 | 0.00                    | 0.00                   | 0.00                  |
| 6,600.00              | 4.50            | 318.10      | 6,594.45              | 109.55       | -98.30       | -107.73                 | 0.00                    | 0.00                   | 0.00                  |
| 6,700.00              | 4.50            | 318.10      | 6,694.14              | 115.39       | -103.54      | -113.48                 | 0.00                    | 0.00                   | 0.00                  |
| 6,800.00              | 4.50            | 318.10      | 6,793.83              | 121.24       | -108.78      | -119.22                 | 0.00                    | 0.00                   | 0.00                  |
| 6,900.00              | 4.50            | 318.10      | 6,893.52              | 127.08       | -114.03      | -124.97                 | 0.00                    | 0.00                   | 0.00                  |
| 7,000.00              | 4.50            | 318.10      | 6,993.21              | 132.92       | -119.27      | -130.71                 | 0.00                    | 0.00                   | 0.00                  |
| 7,100.00              | 4.50            | 318.10      | 7,092.90              | 138.76       | -124.51      | -136.46                 | 0.00                    | 0.00                   | 0.00                  |
| 7,200.00              | 4.50            | 318.10      | 7,192.59              | 144.61       | -129.76      | -142.20                 | 0.00                    | 0.00                   | 0.00                  |
| 7,300.00              | 4.50            | 318.10      | 7,292.29              | 150.45       | -135.00      | -147.95                 | 0.00                    | 0.00                   | 0.00                  |
| 7,400.00              | 4.50            | 318.10      | 7,391.98              | 156.29       | -140.24      | -153.70                 | 0.00                    | 0.00                   | 0.00                  |
| 7,500.00              | 4.50            | 318.10      | 7,491.67              | 162.13       | -145.48      | -159.44                 | 0.00                    | 0.00                   | 0.00                  |
| 7,600.00              | 4.50            | 318.10      | 7,591.36              | 167.98       | -150.73      | -165.19                 | 0.00                    | 0.00                   | 0.00                  |
| 7,666.11              | 4.50            | 318.10      | 7,657.27              | 171.84       | -154.19      | -168.99                 | 0.00                    | 0.00                   | 0.00                  |
| 7,700.00              | 4.16            | 318.10      | 7,691.06              | 173.75       | -155.90      | -170.86                 | 1.00                    | -1.00                  | 0.00                  |
| 7,800.00              | 3.16            | 318.10      | 7,790.85              | 178.50       | -160.17      | -175.54                 | 1.00                    | -1.00                  | 0.00                  |
| 7,900.00              | 2.16            | 318.10      | 7,890.74              | 181.96       | -163.27      | -178.94                 | 1.00                    | -1.00                  | 0.00                  |
| 8,000.00              | 1.16            | 318.10      | 7,990.70              | 184.12       | -165.21      | -181.06                 | 1.00                    | -1.00                  | 0.00                  |
| 8,100.00              | 0.16            | 318.10      | 8,090.69              | 184.98       | -165.98      | -181.91                 | 1.00                    | -1.00                  | 0.00                  |
| 8,116.35              | 0.00            | 0.00        | 8,107.04              | 185.00       | -166.00      | -181.93                 | 1.00                    | -1.00                  | 0.00                  |
| 8,200.00              | 0.00            | 0.00        | 8,190.69              | 185.00       | -166.00      | -181.93                 | 0.00                    | 0.00                   | 0.00                  |
| 8,300.00              | 0.00            | 0.00        | 8,290.69              | 185.00       | -166.00      | -181.93                 | 0.00                    | 0.00                   | 0.00                  |
| 8,400.00              | 0.00            | 0.00        | 8,390.69              | 185.00       | -166.00      | -181.93                 | 0.00                    | 0.00                   | 0.00                  |
| 8,500.00              | 0.00            | 0.00        | 8,490.69              | 185.00       | -166.00      | -181.93                 | 0.00                    | 0.00                   | 0.00                  |
| 8,600.00              | 0.00            | 0.00        | 8,590.69              | 185.00       | -166.00      | -181.93                 | 0.00                    | 0.00                   | 0.00                  |
| 8,700.00              | 0.00            | 0.00        | 8,690.69              | 185.00       | -166.00      | -181.93                 | 0.00                    | 0.00                   | 0.00                  |
| 8,800.00              | 0.00            | 0.00        | 8,790.69              | 185.00       | -166.00      | -181.93                 | 0.00                    | 0.00                   | 0.00                  |
| 8,900.00              | 0.00            | 0.00        | 8,890.69              | 185.00       | -166.00      | -181.93                 | 0.00                    | 0.00                   | 0.00                  |
| 9,000.00              | 0.00            | 0.00        | 8,990.69              | 185.00       | -166.00      | -181.93                 | 0.00                    | 0.00                   | 0.00                  |
| 9,100.00              | 0.00            | 0.00        | 9,090.69              | 185.00       | -166.00      | -181.93                 | 0.00                    | 0.00                   | 0.00                  |
| 9,116.35              | 0.00            | 0.00        | 9,107.04              | 185.00       | -166.00      | -181.93                 | 0.00                    | 0.00                   | 0.00                  |
| 9,150.00              | 3.37            | 179.80      | 9,140.67              | 184.01       | -166.00      | -180.94                 | 10.00                   | 10.00                  | 0.00                  |
| 9,200.00              | 8.37            | 179.80      | 9,190.40              | 178.90       | -165.98      | -175.83                 | 10.00                   | 10.00                  | 0.00                  |
| 9,250.00              | 13.37           | 179.80      | 9,239.48              | 169.48       | -165.95      | -166.41                 | 10.00                   | 10.00                  | 0.00                  |
| 9,300.00              | 18.37           | 179.80      | 9,287.56              | 155.82       | -165.90      | -152.75                 | 10.00                   | 10.00                  | 0.00                  |
| 9,350.00              | 23.37           | 179.80      | 9,334.27              | 138.02       | -165.84      | -134.95                 | 10.00                   | 10.00                  | 0.00                  |
| 9,400.00              | 28.37           | 179.80      | 9,379.25              | 116.21       | -165.76      | -113.15                 | 10.00                   | 10.00                  | 0.00                  |
| 9,450.00              | 33.37           | 179.80      | 9,422.15              | 90.57        | -165.67      | -87.52                  | 10.00                   | 10.00                  | 0.00                  |
| 9,500.00              | 38.37           | 179.80      | 9,462.66              | 61.28        | -165.57      | -58.24                  | 10.00                   | 10.00                  | 0.00                  |
| 9,550.00              | 43.37           | 179.80      | 9,500.46              | 28.58        | -165.46      | -25.54                  | 10.00                   | 10.00                  | 0.00                  |
| 9,600.00              | 48.37           | 179.80      | 9,535.27              | -7.30        | -165.33      | 10.32                   | 10.00                   | 10.00                  | 0.00                  |
| 9,650.00              | 53.37           | 179.80      | 9,566.81              | -46.07       | -165.20      | 49.09                   | 10.00                   | 10.00                  | 0.00                  |

# LEAM Drilling Systems LLC

## Planning Report

|                  |                                 |                                     |                                     |
|------------------|---------------------------------|-------------------------------------|-------------------------------------|
| <b>Database:</b> | EDM 5000.1 Multi User Db        | <b>Local Co-ordinate Reference:</b> | Well Thistle Unit 116H              |
| <b>Company:</b>  | Devon Energy                    | <b>TVD Reference:</b>               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| <b>Project:</b>  | Lea County, NM (NAD-83)         | <b>MD Reference:</b>                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| <b>Site:</b>     | Thistle Unit Sec 22-27 Trac Pad | <b>North Reference:</b>             | Grid                                |
| <b>Well:</b>     | Thistle Unit 116H               | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Wellbore:</b> | OH                              |                                     |                                     |
| <b>Design:</b>   | Plan #3                         |                                     |                                     |

| 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) |
| 9,700.00              | 58.37           | 179.80      | 9,594.86              | -87.44       | -165.05      | 90.45                   | 10.00                   | 10.00                  | 0.00                  |
| 9,750.00              | 63.37           | 179.80      | 9,619.20              | -131.10      | -164.90      | 134.10                  | 10.00                   | 10.00                  | 0.00                  |
| 9,800.00              | 68.37           | 179.80      | 9,639.63              | -176.71      | -164.74      | 179.70                  | 10.00                   | 10.00                  | 0.00                  |
| 9,850.00              | 73.37           | 179.80      | 9,656.02              | -223.94      | -164.58      | 226.91                  | 10.00                   | 10.00                  | 0.00                  |
| 9,900.00              | 78.37           | 179.80      | 9,668.23              | -272.41      | -164.41      | 275.37                  | 10.00                   | 10.00                  | 0.00                  |
| 9,950.00              | 83.37           | 179.80      | 9,676.16              | -321.76      | -164.24      | 324.71                  | 10.00                   | 10.00                  | 0.00                  |
| 10,000.00             | 88.37           | 179.80      | 9,679.76              | -371.61      | -164.06      | 374.55                  | 10.00                   | 10.00                  | 0.00                  |
| 10,014.75             | 89.84           | 179.80      | 9,680.00              | -386.36      | -164.01      | 389.30                  | 10.00                   | 10.00                  | 0.00                  |
| 10,100.00             | 89.84           | 179.80      | 9,680.23              | -471.61      | -163.72      | 474.53                  | 0.00                    | 0.00                   | 0.00                  |
| 10,200.00             | 89.84           | 179.80      | 9,680.51              | -571.61      | -163.37      | 574.50                  | 0.00                    | 0.00                   | 0.00                  |
| 10,300.00             | 89.84           | 179.80      | 9,680.79              | -671.60      | -163.02      | 674.48                  | 0.00                    | 0.00                   | 0.00                  |
| 10,400.00             | 89.84           | 179.80      | 9,681.07              | -771.60      | -162.67      | 774.45                  | 0.00                    | 0.00                   | 0.00                  |
| 10,500.00             | 89.84           | 179.80      | 9,681.34              | -871.60      | -162.32      | 874.43                  | 0.00                    | 0.00                   | 0.00                  |
| 10,600.00             | 89.84           | 179.80      | 9,681.62              | -971.60      | -161.98      | 974.41                  | 0.00                    | 0.00                   | 0.00                  |
| 10,700.00             | 89.84           | 179.80      | 9,681.90              | -1,071.60    | -161.63      | 1,074.38                | 0.00                    | 0.00                   | 0.00                  |
| 10,800.00             | 89.84           | 179.80      | 9,682.18              | -1,171.60    | -161.28      | 1,174.36                | 0.00                    | 0.00                   | 0.00                  |
| 10,900.00             | 89.84           | 179.80      | 9,682.46              | -1,271.60    | -160.93      | 1,274.33                | 0.00                    | 0.00                   | 0.00                  |
| 11,000.00             | 89.84           | 179.80      | 9,682.73              | -1,371.60    | -160.58      | 1,374.31                | 0.00                    | 0.00                   | 0.00                  |
| 11,100.00             | 89.84           | 179.80      | 9,683.01              | -1,471.60    | -160.24      | 1,474.29                | 0.00                    | 0.00                   | 0.00                  |
| 11,200.00             | 89.84           | 179.80      | 9,683.29              | -1,571.60    | -159.89      | 1,574.26                | 0.00                    | 0.00                   | 0.00                  |
| 11,300.00             | 89.84           | 179.80      | 9,683.57              | -1,671.59    | -159.54      | 1,674.24                | 0.00                    | 0.00                   | 0.00                  |
| 11,400.00             | 89.84           | 179.80      | 9,683.85              | -1,771.59    | -159.19      | 1,774.21                | 0.00                    | 0.00                   | 0.00                  |
| 11,500.00             | 89.84           | 179.80      | 9,684.12              | -1,871.59    | -158.84      | 1,874.19                | 0.00                    | 0.00                   | 0.00                  |
| 11,600.00             | 89.84           | 179.80      | 9,684.40              | -1,971.59    | -158.50      | 1,974.16                | 0.00                    | 0.00                   | 0.00                  |
| 11,700.00             | 89.84           | 179.80      | 9,684.68              | -2,071.59    | -158.15      | 2,074.14                | 0.00                    | 0.00                   | 0.00                  |
| 11,800.00             | 89.84           | 179.80      | 9,684.96              | -2,171.59    | -157.80      | 2,174.12                | 0.00                    | 0.00                   | 0.00                  |
| 11,900.00             | 89.84           | 179.80      | 9,685.24              | -2,271.59    | -157.45      | 2,274.09                | 0.00                    | 0.00                   | 0.00                  |
| 12,000.00             | 89.84           | 179.80      | 9,685.51              | -2,371.59    | -157.10      | 2,374.07                | 0.00                    | 0.00                   | 0.00                  |
| 12,100.00             | 89.84           | 179.80      | 9,685.79              | -2,471.59    | -156.76      | 2,474.04                | 0.00                    | 0.00                   | 0.00                  |
| 12,200.00             | 89.84           | 179.80      | 9,686.07              | -2,571.59    | -156.41      | 2,574.02                | 0.00                    | 0.00                   | 0.00                  |
| 12,300.00             | 89.84           | 179.80      | 9,686.35              | -2,671.58    | -156.06      | 2,674.00                | 0.00                    | 0.00                   | 0.00                  |
| 12,400.00             | 89.84           | 179.80      | 9,686.63              | -2,771.58    | -155.71      | 2,773.97                | 0.00                    | 0.00                   | 0.00                  |
| 12,500.00             | 89.84           | 179.80      | 9,686.91              | -2,871.58    | -155.36      | 2,873.95                | 0.00                    | 0.00                   | 0.00                  |
| 12,600.00             | 89.84           | 179.80      | 9,687.18              | -2,971.58    | -155.02      | 2,973.92                | 0.00                    | 0.00                   | 0.00                  |
| 12,700.00             | 89.84           | 179.80      | 9,687.46              | -3,071.58    | -154.67      | 3,073.90                | 0.00                    | 0.00                   | 0.00                  |
| 12,800.00             | 89.84           | 179.80      | 9,687.74              | -3,171.58    | -154.32      | 3,173.87                | 0.00                    | 0.00                   | 0.00                  |
| 12,900.00             | 89.84           | 179.80      | 9,688.02              | -3,271.58    | -153.97      | 3,273.85                | 0.00                    | 0.00                   | 0.00                  |
| 13,000.00             | 89.84           | 179.80      | 9,688.30              | -3,371.58    | -153.62      | 3,373.83                | 0.00                    | 0.00                   | 0.00                  |
| 13,100.00             | 89.84           | 179.80      | 9,688.57              | -3,471.58    | -153.28      | 3,473.80                | 0.00                    | 0.00                   | 0.00                  |
| 13,200.00             | 89.84           | 179.80      | 9,688.85              | -3,571.58    | -152.93      | 3,573.78                | 0.00                    | 0.00                   | 0.00                  |
| 13,300.00             | 89.84           | 179.80      | 9,689.13              | -3,671.57    | -152.58      | 3,673.75                | 0.00                    | 0.00                   | 0.00                  |
| 13,400.00             | 89.84           | 179.80      | 9,689.41              | -3,771.57    | -152.23      | 3,773.73                | 0.00                    | 0.00                   | 0.00                  |
| 13,500.00             | 89.84           | 179.80      | 9,689.69              | -3,871.57    | -151.88      | 3,873.71                | 0.00                    | 0.00                   | 0.00                  |
| 13,600.00             | 89.84           | 179.80      | 9,689.96              | -3,971.57    | -151.54      | 3,973.68                | 0.00                    | 0.00                   | 0.00                  |
| 13,700.00             | 89.84           | 179.80      | 9,690.24              | -4,071.57    | -151.19      | 4,073.66                | 0.00                    | 0.00                   | 0.00                  |
| 13,800.00             | 89.84           | 179.80      | 9,690.52              | -4,171.57    | -150.84      | 4,173.63                | 0.00                    | 0.00                   | 0.00                  |
| 13,900.00             | 89.84           | 179.80      | 9,690.80              | -4,271.57    | -150.49      | 4,273.61                | 0.00                    | 0.00                   | 0.00                  |
| 14,000.00             | 89.84           | 179.80      | 9,691.08              | -4,371.57    | -150.15      | 4,373.59                | 0.00                    | 0.00                   | 0.00                  |
| 14,100.00             | 89.84           | 179.80      | 9,691.35              | -4,471.57    | -149.80      | 4,473.56                | 0.00                    | 0.00                   | 0.00                  |
| 14,200.00             | 89.84           | 179.80      | 9,691.63              | -4,571.57    | -149.45      | 4,573.54                | 0.00                    | 0.00                   | 0.00                  |
| 14,300.00             | 89.84           | 179.80      | 9,691.91              | -4,671.56    | -149.10      | 4,673.51                | 0.00                    | 0.00                   | 0.00                  |
| 14,400.00             | 89.84           | 179.80      | 9,692.19              | -4,771.56    | -148.75      | 4,773.49                | 0.00                    | 0.00                   | 0.00                  |
| 14,500.00             | 89.84           | 179.80      | 9,692.47              | -4,871.56    | -148.41      | 4,873.46                | 0.00                    | 0.00                   | 0.00                  |
| 14,600.00             | 89.84           | 179.80      | 9,692.74              | -4,971.56    | -148.06      | 4,973.44                | 0.00                    | 0.00                   | 0.00                  |

# LEAM Drilling Systems LLC

## Planning Report

|                  |                                 |                                     |                                     |
|------------------|---------------------------------|-------------------------------------|-------------------------------------|
| <b>Database:</b> | EDM 5000.1 Multi User Db        | <b>Local Co-ordinate Reference:</b> | Well Thistle Unit 116H              |
| <b>Company:</b>  | Devon Energy                    | <b>TVD Reference:</b>               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| <b>Project:</b>  | Lea County, NM (NAD-83)         | <b>MD Reference:</b>                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| <b>Site:</b>     | Thistle Unit Sec 22-27 Trac Pad | <b>North Reference:</b>             | Grid                                |
| <b>Well:</b>     | Thistle Unit 116H               | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Wellbore:</b> | OH                              |                                     |                                     |
| <b>Design:</b>   | Plan #3                         |                                     |                                     |

| 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) |
| 14,700.00             | 89.84           | 179.80      | 9,693.02              | -5,071.56    | -147.71      | 5,073.42                | 0.00                    | 0.00                   | 0.00                  |
| 14,800.00             | 89.84           | 179.80      | 9,693.30              | -5,171.56    | -147.36      | 5,173.39                | 0.00                    | 0.00                   | 0.00                  |
| 14,900.00             | 89.84           | 179.80      | 9,693.58              | -5,271.56    | -147.01      | 5,273.37                | 0.00                    | 0.00                   | 0.00                  |
| 15,000.00             | 89.84           | 179.80      | 9,693.86              | -5,371.56    | -146.67      | 5,373.34                | 0.00                    | 0.00                   | 0.00                  |
| 15,100.00             | 89.84           | 179.80      | 9,694.13              | -5,471.56    | -146.32      | 5,473.32                | 0.00                    | 0.00                   | 0.00                  |
| 15,200.00             | 89.84           | 179.80      | 9,694.41              | -5,571.56    | -145.97      | 5,573.30                | 0.00                    | 0.00                   | 0.00                  |
| 15,300.00             | 89.84           | 179.80      | 9,694.69              | -5,671.55    | -145.62      | 5,673.27                | 0.00                    | 0.00                   | 0.00                  |
| 15,400.00             | 89.84           | 179.80      | 9,694.97              | -5,771.55    | -145.27      | 5,773.25                | 0.00                    | 0.00                   | 0.00                  |
| 15,500.00             | 89.84           | 179.80      | 9,695.25              | -5,871.55    | -144.93      | 5,873.22                | 0.00                    | 0.00                   | 0.00                  |
| 15,600.00             | 89.84           | 179.80      | 9,695.52              | -5,971.55    | -144.58      | 5,973.20                | 0.00                    | 0.00                   | 0.00                  |
| 15,700.00             | 89.84           | 179.80      | 9,695.80              | -6,071.55    | -144.23      | 6,073.17                | 0.00                    | 0.00                   | 0.00                  |
| 15,800.00             | 89.84           | 179.80      | 9,696.08              | -6,171.55    | -143.88      | 6,173.15                | 0.00                    | 0.00                   | 0.00                  |
| 15,900.00             | 89.84           | 179.80      | 9,696.36              | -6,271.55    | -143.53      | 6,273.13                | 0.00                    | 0.00                   | 0.00                  |
| 16,000.00             | 89.84           | 179.80      | 9,696.64              | -6,371.55    | -143.19      | 6,373.10                | 0.00                    | 0.00                   | 0.00                  |
| 16,100.00             | 89.84           | 179.80      | 9,696.91              | -6,471.55    | -142.84      | 6,473.08                | 0.00                    | 0.00                   | 0.00                  |
| 16,200.00             | 89.84           | 179.80      | 9,697.19              | -6,571.55    | -142.49      | 6,573.05                | 0.00                    | 0.00                   | 0.00                  |
| 16,300.00             | 89.84           | 179.80      | 9,697.47              | -6,671.54    | -142.14      | 6,673.03                | 0.00                    | 0.00                   | 0.00                  |
| 16,400.00             | 89.84           | 179.80      | 9,697.75              | -6,771.54    | -141.79      | 6,773.01                | 0.00                    | 0.00                   | 0.00                  |
| 16,500.00             | 89.84           | 179.80      | 9,698.03              | -6,871.54    | -141.45      | 6,872.98                | 0.00                    | 0.00                   | 0.00                  |
| 16,600.00             | 89.84           | 179.80      | 9,698.30              | -6,971.54    | -141.10      | 6,972.96                | 0.00                    | 0.00                   | 0.00                  |
| 16,700.00             | 89.84           | 179.80      | 9,698.58              | -7,071.54    | -140.75      | 7,072.93                | 0.00                    | 0.00                   | 0.00                  |
| 16,800.00             | 89.84           | 179.80      | 9,698.86              | -7,171.54    | -140.40      | 7,172.91                | 0.00                    | 0.00                   | 0.00                  |
| 16,900.00             | 89.84           | 179.80      | 9,699.14              | -7,271.54    | -140.05      | 7,272.88                | 0.00                    | 0.00                   | 0.00                  |
| 17,000.00             | 89.84           | 179.80      | 9,699.42              | -7,371.54    | -139.71      | 7,372.86                | 0.00                    | 0.00                   | 0.00                  |
| 17,100.00             | 89.84           | 179.80      | 9,699.69              | -7,471.54    | -139.36      | 7,472.84                | 0.00                    | 0.00                   | 0.00                  |
| 17,200.00             | 89.84           | 179.80      | 9,699.97              | -7,571.54    | -139.01      | 7,572.81                | 0.00                    | 0.00                   | 0.00                  |
| 17,210.35             | 89.84           | 179.80      | 9,700.00              | -7,581.88    | -138.97      | 7,583.16                | 0.00                    | 0.00                   | 0.00                  |
| PBHL (TU 116H)        |                 |             |                       |              |              |                         |                         |                        |                       |

| Design Targets            |               |              |            |              |              |                 |                |                   |                    |
|---------------------------|---------------|--------------|------------|--------------|--------------|-----------------|----------------|-------------------|--------------------|
| Target Name               | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude          | Longitude          |
| SHL (TU 116H)             | 0.00          | 0.00         | 0.00       | 0.00         | 0.00         | 472,481.79      | 781,172.76     | 32° 17' 47.5433 N | 103° 33' 25.7152 W |
| - hit/miss target         |               |              |            |              |              |                 |                |                   |                    |
| - plan hits target center |               |              |            |              |              |                 |                |                   |                    |
| - Point                   |               |              |            |              |              |                 |                |                   |                    |
| PBHL (TU 116H)            | 0.00          | 0.01         | 9,700.00   | -7,581.88    | -138.97      | 464,899.91      | 781,033.79     | 32° 16' 32.5301 N | 103° 33' 27.9729 W |
| - plan hits target center |               |              |            |              |              |                 |                |                   |                    |
| - Point                   |               |              |            |              |              |                 |                |                   |                    |