

# **Devon Energy**

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

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

**Thistle Unit 162H**

**OH**

**Plan #2**

## **Anticollision Report**

**20 September, 2017**

# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Reference                    | Plan #2                                                             |                |                     |
|------------------------------|---------------------------------------------------------------------|----------------|---------------------|
| Filter type:                 | NO GLOBAL FILTER: Using user defined selection & filtering criteria |                |                     |
| Interpolation Method:        | Stations                                                            | Error Model:   | ISCWSA              |
| Depth Range:                 | Unlimited                                                           | Scan Method:   | Closest Approach 3D |
| Results Limited by:          | Maximum center-center distance of 9,999.98 usft                     | Error Surface: | Elliptical Conic    |
| Warning Levels Evaluated at: | 2.00 Sigma                                                          | Casing Method: | Not applied         |

| Survey Tool Program |              | Date              | 9/20/2017     |                                       |  |
|---------------------|--------------|-------------------|---------------|---------------------------------------|--|
| From<br>(usft)      | To<br>(usft) | Survey (Wellbore) | Tool Name     | Description                           |  |
| 0.00                | 9,980.78     | Plan #2 (OH)      | LEAM MWD+HDGM | MWD+HDGM                              |  |
| 9,980.78            | 16,979.53    | Plan #2 (OH)      | MWD+IFR1+MS   | MWD + IFR1 + Multi-Station Correction |  |

| Summary                          |                                 |                              |                                 |                                  |                   |            |
|----------------------------------|---------------------------------|------------------------------|---------------------------------|----------------------------------|-------------------|------------|
| Site Name                        | Reference Measured Depth (usft) | Offset Measured Depth (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Separation Factor | Warning    |
| Offset Well - Wellbore - Design  |                                 |                              |                                 |                                  |                   |            |
| Thistle Unit                     |                                 |                              |                                 |                                  |                   |            |
| 62H - OH - OH                    | 14,167.60                       | 9,512.90                     | 756.58                          | 687.14                           | 10.896            | CC, ES     |
| 62H - OH - OH                    | 14,200.00                       | 9,513.72                     | 757.27                          | 687.50                           | 10.854            | SF         |
| 63H - OH - OH                    | 13,820.99                       | 6,929.00                     | 2,645.01                        | 2,605.48                         | 66.909            | CC, ES     |
| 63H - OH - OH                    | 14,600.00                       | 6,929.00                     | 2,757.35                        | 2,713.80                         | 63.320            | SF         |
| 63H - ST 1 - ST 1                | 13,881.42                       | 9,556.92                     | 105.54                          | 65.88                            | 2.661             | CC, ES, SF |
| 64H - OH - OH                    | 14,250.70                       | 9,541.83                     | 1,279.12                        | 1,218.87                         | 21.230            | CC, ES     |
| 64H - OH - OH                    | 14,500.00                       | 9,544.64                     | 1,303.19                        | 1,240.68                         | 20.848            | SF         |
| 72H - OH - OH                    | 14,642.05                       | 15,490.00                    | 1,495.13                        | 1,414.40                         | 18.522            | CC, ES     |
| 72H - OH - OH                    | 14,700.00                       | 15,490.00                    | 1,496.25                        | 1,415.17                         | 18.453            | SF         |
| Thistle Unit (Offsets)           |                                 |                              |                                 |                                  |                   |            |
| 56H - OH - OH                    | 14,216.07                       | 9,563.78                     | 236.95                          | 179.85                           | 4.149             | CC, ES, SF |
| 57H - OH - OH                    | 14,143.32                       | 9,544.99                     | 595.75                          | 538.86                           | 10.472            | CC, ES     |
| 57H - OH - OH                    | 14,200.00                       | 9,544.63                     | 598.44                          | 541.18                           | 10.451            | SF         |
| 58H - OH - OH                    | 14,127.04                       | 9,487.02                     | 1,076.65                        | 1,019.78                         | 18.934            | CC, ES     |
| 58H - OH - OH                    | 14,200.00                       | 9,485.46                     | 1,079.11                        | 1,021.97                         | 18.884            | SF         |
| Thistle Unit Sec 22-27 Trac Pad  |                                 |                              |                                 |                                  |                   |            |
| Thistle Unit 100H - OH - Plan #2 | 3,000.00                        | 2,999.90                     | 89.98                           | 76.77                            | 6.813             | CC, ES     |
| Thistle Unit 100H - OH - Plan #2 | 3,200.00                        | 3,199.86                     | 93.47                           | 79.41                            | 6.646             | SF         |
| Thistle Unit 115H - OH - Plan #2 | 2,203.47                        | 2,203.37                     | 29.96                           | 20.33                            | 3.112             | CC         |
| Thistle Unit 115H - OH - Plan #2 | 2,300.00                        | 2,299.64                     | 30.18                           | 20.12                            | 3.002             | ES         |
| Thistle Unit 115H - OH - Plan #2 | 16,979.53                       | 17,106.11                    | 436.09                          | 269.75                           | 2.622             | SF         |
| Thistle Unit 116H - OH - Plan #2 | 3,000.00                        | 3,000.00                     | 60.00                           | 46.79                            | 4.543             | CC, ES     |
| Thistle Unit 116H - OH - Plan #2 | 16,979.53                       | 17,202.15                    | 453.68                          | 286.62                           | 2.716             | SF         |
| Thistle Unit 127H - OH - Plan #2 | 3,000.00                        | 2,999.90                     | 30.01                           | 16.80                            | 2.272             | CC, ES     |
| Thistle Unit 127H - OH - Plan #2 | 3,100.00                        | 3,099.89                     | 30.88                           | 17.24                            | 2.264             | SF         |
| Thistle Unit 128H - OH - Plan #2 | 2,500.00                        | 2,499.80                     | 149.98                          | 139.02                           | 13.684            | CC, ES     |
| Thistle Unit 128H - OH - Plan #2 | 16,979.53                       | 17,568.83                    | 1,106.54                        | 934.44                           | 6.430             | SF         |
| Thistle Unit 165H - OH - Plan #2 | 3,000.00                        | 2,999.80                     | 119.97                          | 106.76                           | 9.083             | CC, ES     |
| Thistle Unit 165H - OH - Plan #2 | 16,979.53                       | 17,079.02                    | 753.12                          | 568.99                           | 4.090             | SF         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



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## Anticollision Report

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| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit - 62H - OH - OH                     |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.00 usft |
|----------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 85-ISCWSA-GYRO-3, 1447-LEAM_MWD, 15750-Project |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.00 usft |
| Reference                                                      | Offset                |                       | Semi Major Axis       |                  | Distance      |                       | Minimum Separation                  |              | Separation Factor      |                         | Warning                   |                   |                    |           |
| Measured Depth (usft)                                          | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |           |
| 0.00                                                           | 0.00                  | 0.00                  | 0.00                  | 0.00             | 0.00          | -174.10               | -4,454.96                           | -460.13      | 4,478.71               |                         |                           |                   |                    |           |
| 100.00                                                         | 100.00                | 59.82                 | 59.82                 | 0.09             | 0.06          | -174.10               | -4,455.10                           | -460.04      | 4,478.83               | 4,478.70                | 0.13                      | N/A               |                    |           |
| 200.00                                                         | 200.00                | 161.83                | 161.82                | 0.31             | 0.20          | -174.11               | -4,455.64                           | -459.75      | 4,479.32               | 4,478.82                | 0.50                      | 8,950.232         |                    |           |
| 300.00                                                         | 300.00                | 274.87                | 274.86                | 0.54             | 0.39          | -174.11               | -4,455.88                           | -459.99      | 4,479.56               | 4,478.64                | 0.92                      | 4,856.882         |                    |           |
| 400.00                                                         | 400.00                | 389.89                | 389.88                | 0.76             | 0.59          | -174.10               | -4,455.71                           | -460.66      | 4,479.47               | 4,478.12                | 1.35                      | 3,320.926         |                    |           |
| 500.00                                                         | 500.00                | 499.81                | 499.81                | 0.99             | 0.78          | -174.09               | -4,455.23                           | -461.32      | 4,479.10               | 4,477.33                | 1.77                      | 2,536.511         |                    |           |
| 600.00                                                         | 600.00                | 613.96                | 613.94                | 1.21             | 0.98          | -174.08               | -4,454.46                           | -461.97      | 4,478.49               | 4,476.30                | 2.19                      | 2,043.937         |                    |           |
| 700.00                                                         | 700.00                | 721.62                | 721.60                | 1.43             | 1.17          | -174.07               | -4,453.47                           | -462.37      | 4,477.61               | 4,475.01                | 2.60                      | 1,719.366         |                    |           |
| 800.00                                                         | 800.00                | 822.22                | 822.20                | 1.66             | 1.34          | -174.07               | -4,452.46                           | -462.47      | 4,476.62               | 4,473.62                | 3.00                      | 1,490.119         |                    |           |
| 900.00                                                         | 900.00                | 914.50                | 914.47                | 1.88             | 1.50          | -174.07               | -4,451.66                           | -462.55      | 4,475.77               | 4,472.38                | 3.39                      | 1,320.658         |                    |           |
| 1,000.00                                                       | 1,000.00              | 1,022.29              | 1,022.26              | 2.11             | 1.69          | -174.07               | -4,450.71                           | -462.39      | 4,474.88               | 4,471.07                | 3.80                      | 1,176.763         |                    |           |
| 1,100.00                                                       | 1,100.00              | 1,128.47              | 1,128.43              | 2.33             | 1.88          | -174.07               | -4,449.65                           | -462.00      | 4,473.84               | 4,469.63                | 4.21                      | 1,061.815         |                    |           |
| 1,200.00                                                       | 1,200.00              | 1,234.80              | 1,234.76              | 2.56             | 2.06          | -174.08               | -4,448.42                           | -461.56      | 4,472.66               | 4,468.03                | 4.62                      | 967.184           |                    |           |
| 1,300.00                                                       | 1,300.00              | 1,334.17              | 1,334.11              | 2.78             | 2.24          | -174.08               | -4,447.20                           | -461.15      | 4,471.39               | 4,466.36                | 5.02                      | 890.218           |                    |           |
| 1,400.00                                                       | 1,400.00              | 1,416.00              | 1,415.94              | 3.01             | 2.38          | -174.08               | -4,446.31                           | -460.85      | 4,470.29               | 4,464.90                | 5.39                      | 829.417           |                    |           |
| 1,500.00                                                       | 1,500.00              | 1,489.33              | 1,489.27              | 3.23             | 2.42          | -174.08               | -4,445.85                           | -460.92      | 4,469.69               | 4,464.04                | 5.65                      | 790.975           |                    |           |
| 1,522.82                                                       | 1,522.82              | 1,501.68              | 1,501.62              | 3.28             | 2.42          | -174.08               | -4,445.83                           | -461.02      | 4,469.66               | 4,463.96                | 5.71                      | 783.297           |                    |           |
| 1,600.00                                                       | 1,600.00              | 1,551.41              | 1,551.34              | 3.46             | 2.45          | -174.07               | -4,445.90                           | -461.94      | 4,469.92               | 4,464.02                | 5.90                      | 757.072           |                    |           |
| 1,700.00                                                       | 1,700.00              | 1,615.43              | 1,615.30              | 3.68             | 2.50          | -174.03               | -4,446.26                           | -464.70      | 4,470.93               | 4,464.75                | 6.18                      | 723.519           |                    |           |
| 1,800.00                                                       | 1,800.00              | 1,668.00              | 1,667.75              | 3.91             | 2.56          | -173.99               | -4,446.85                           | -468.11      | 4,472.80               | 4,466.34                | 6.46                      | 692.308           |                    |           |
| 1,900.00                                                       | 1,900.00              | 1,714.88              | 1,714.47              | 4.13             | 2.62          | -173.94               | -4,447.93                           | -471.95      | 4,475.91               | 4,469.17                | 6.75                      | 663.249           |                    |           |
| 2,000.00                                                       | 2,000.00              | 1,763.00              | 1,762.37              | 4.36             | 2.70          | -173.89               | -4,449.46                           | -476.19      | 4,480.10               | 4,473.06                | 7.05                      | 635.756           |                    |           |
| 2,100.00                                                       | 2,100.00              | 1,818.70              | 1,817.78              | 4.58             | 2.80          | -173.83               | -4,451.88                           | -481.35      | 4,485.43               | 4,478.06                | 7.37                      | 608.558           |                    |           |
| 2,200.00                                                       | 2,200.00              | 1,906.96              | 1,905.52              | 4.81             | 2.99          | -173.73               | -4,456.26                           | -489.81      | 4,491.42               | 4,483.64                | 7.78                      | 577.263           |                    |           |
| 2,300.00                                                       | 2,300.00              | 2,008.30              | 2,006.27              | 5.03             | 3.24          | -173.61               | -4,461.38                           | -499.40      | 4,497.51               | 4,489.26                | 8.25                      | 545.327           |                    |           |
| 2,400.00                                                       | 2,400.00              | 2,104.95              | 2,102.37              | 5.26             | 3.51          | -173.50               | -4,466.25                           | -508.52      | 4,503.60               | 4,494.87                | 8.73                      | 515.944           |                    |           |
| 2,500.00                                                       | 2,500.00              | 2,207.92              | 2,204.74              | 5.48             | 3.81          | -173.39               | -4,471.43                           | -518.37      | 4,509.71               | 4,500.46                | 9.25                      | 487.555           |                    |           |
| 2,600.00                                                       | 2,600.00              | 2,313.66              | 2,309.86              | 5.71             | 4.15          | -173.27               | -4,476.65                           | -528.52      | 4,515.75               | 4,505.96                | 9.80                      | 460.914           |                    |           |
| 2,700.00                                                       | 2,700.00              | 2,425.89              | 2,421.48              | 5.93             | 4.52          | -173.14               | -4,481.88                           | -538.99      | 4,521.50               | 4,511.12                | 10.38                     | 435.601           |                    |           |
| 2,800.00                                                       | 2,800.00              | 2,525.70              | 2,520.76              | 6.15             | 4.85          | -173.03               | -4,486.53                           | -548.12      | 4,527.24               | 4,516.31                | 10.93                     | 414.156           |                    |           |
| 2,900.00                                                       | 2,900.00              | 2,628.42              | 2,622.95              | 6.38             | 5.21          | -172.92               | -4,491.18                           | -557.43      | 4,532.87               | 4,521.36                | 11.50                     | 394.156           |                    |           |
| 3,000.00                                                       | 3,000.00              | 2,760.26              | 2,754.13              | 6.60             | 5.67          | -172.78               | -4,496.92                           | -569.30      | 4,538.38               | 4,526.20                | 12.18                     | 372.666           |                    |           |
| 3,100.00                                                       | 3,099.99              | 2,861.65              | 2,855.04              | 6.81             | 6.04          | -82.64                | -4,500.76                           | -578.33      | 4,543.16               | 4,530.42                | 12.74                     | 356.575           |                    |           |
| 3,200.00                                                       | 3,199.96              | 2,977.26              | 2,970.15              | 7.01             | 6.45          | -82.52                | -4,504.91                           | -588.22      | 4,547.49               | 4,534.15                | 13.35                     | 340.749           |                    |           |
| 3,300.00                                                       | 3,299.86              | 3,059.58              | 3,052.16              | 7.21             | 6.75          | -82.44                | -4,508.05                           | -594.79      | 4,551.74               | 4,537.91                | 13.83                     | 329.007           |                    |           |
| 3,400.00                                                       | 3,399.68              | 3,187.63              | 3,179.61              | 7.42             | 7.22          | -82.37                | -4,512.40                           | -606.30      | 4,555.46               | 4,540.96                | 14.50                     | 314.149           |                    |           |
| 3,500.00                                                       | 3,499.37              | 3,303.13              | 3,294.56              | 7.63             | 7.64          | -82.32                | -4,516.00                           | -616.96      | 4,558.75               | 4,543.61                | 15.13                     | 301.295           |                    |           |
| 3,525.23                                                       | 3,524.50              | 3,336.00              | 3,327.28              | 7.68             | 7.77          | -82.32                | -4,516.90                           | -619.94      | 4,559.43               | 4,544.13                | 15.30                     | 297.925           |                    |           |
| 3,600.00                                                       | 3,598.95              | 3,400.87              | 3,391.87              | 7.84             | 8.01          | -82.32                | -4,518.71                           | -625.73      | 4,561.48               | 4,545.78                | 15.70                     | 290.544           |                    |           |
| 3,700.00                                                       | 3,698.53              | 3,487.92              | 3,478.53              | 8.06             | 8.33          | -82.33                | -4,521.39                           | -633.44      | 4,564.50               | 4,548.26                | 16.23                     | 281.161           |                    |           |
| 3,800.00                                                       | 3,798.11              | 3,604.70              | 3,594.75              | 8.28             | 8.77          | -82.33                | -4,524.99                           | -644.29      | 4,567.59               | 4,550.70                | 16.89                     | 270.494           |                    |           |
| 3,900.00                                                       | 3,897.69              | 3,696.00              | 3,685.62              | 8.50             | 9.11          | -82.33                | -4,527.57                           | -652.77      | 4,570.41               | 4,552.96                | 17.45                     | 261.962           |                    |           |
| 4,000.00                                                       | 3,997.27              | 3,771.08              | 3,760.32              | 8.73             | 9.40          | -82.33                | -4,529.95                           | -659.95      | 4,573.62               | 4,555.67                | 17.95                     | 254.793           |                    |           |
| 4,100.00                                                       | 4,096.85              | 3,860.80              | 3,849.54              | 8.96             | 9.74          | -82.33                | -4,533.25                           | -668.76      | 4,577.35               | 4,558.83                | 18.51                     | 247.249           |                    |           |
| 4,200.00                                                       | 4,196.43              | 3,980.42              | 3,968.56              | 9.19             | 10.20         | -82.34                | -4,537.52                           | -679.95      | 4,580.91               | 4,561.72                | 19.19                     | 238.683           |                    |           |
| 4,300.00                                                       | 4,296.01              | 4,043.70              | 4,031.54              | 9.42             | 10.44         | -82.34                | -4,539.79                           | -685.77      | 4,584.52               | 4,564.87                | 19.66                     | 233.216           |                    |           |
| 4,400.00                                                       | 4,395.59              | 4,100.54              | 4,088.04              | 9.65             | 10.66         | -82.34                | -4,542.39                           | -691.32      | 4,589.13               | 4,569.03                | 20.10                     | 228.325           |                    |           |
| 4,500.00                                                       | 4,495.17              | 4,186.00              | 4,172.98              | 9.89             | 10.99         | -82.34                | -4,546.81                           | -699.67      | 4,594.34               | 4,573.68                | 20.65                     | 222.434           |                    |           |
| 4,600.00                                                       | 4,494.75              | 4,321.55              | 4,307.78              | 10.13            | 11.52         | -82.35                | -4,553.45                           | -712.22      | 4,599.17               | 4,577.76                | 21.41                     | 214.844           |                    |           |
| 4,700.00                                                       | 4,694.33              | 4,410.59              | 4,396.40              | 10.37            | 11.86         | -82.36                | -4,557.67                           | -719.78      | 4,603.80               | 4,581.82                | 21.98                     | 209.490           |                    |           |
| 4,800.00                                                       | 4,793.91              | 4,485.80              | 4,471.25              | 10.61            | 12.15         | -82.38                | -4,561.62                           | -726.04      | 4,608.89               | 4,586.40                | 22.49                     | 204.916           |                    |           |
| 4,900.00                                                       | 4,893.49              | 4,565.00              | 4,550.04              | 10.85            | 12.45         | -82.39                | -4,566.17                           | -732.55      | 4,614.46               | 4,591.44                | 23.02                     | 200.428           |                    |           |

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
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| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
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| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit - 62H - OH - OH                     |                             |                             |                             |                     |                  |                             |                                           |                 |                                 |                      |         |         | Offset Site Error: | 0.00 usft |
|----------------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|-----------------------------|-------------------------------------------|-----------------|---------------------------------|----------------------|---------|---------|--------------------|-----------|
| Survey Program: 85-ISCWSA-GYRO-3, 1447-LEAM_MWD, 15750-Project |                             |                             |                             |                     |                  |                             |                                           |                 |                                 |                      |         |         | Offset Well Error: | 0.00 usft |
| Reference                                                      |                             | Offset                      |                             | Semi Major Axis     |                  | Highside<br>Toolface<br>(°) | Distance                                  |                 | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning |         |                    |           |
| Measured<br>Depth<br>(usft)                                    | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | Offset Wellbore Centre<br>+N/-S<br>(usft) | +E/-W<br>(usft) |                                 |                      |         |         |                    |           |
| 5,000.00                                                       | 4,993.07                    | 4,673.46                    | 4,657.93                    | 11.09               | 12.87            | -82.41                      | -4,572.50                                 | -741.76         | 4,620.15                        | 4,596.48             | 23.67   | 195.169 |                    |           |
| 5,100.00                                                       | 5,092.65                    | 4,768.10                    | 4,752.05                    | 11.34               | 13.24            | -82.43                      | -4,577.92                                 | -750.02         | 4,625.79                        | 4,601.52             | 24.27   | 190.596 |                    |           |
| 5,200.00                                                       | 5,192.23                    | 4,849.00                    | 4,832.53                    | 11.58               | 13.55            | -82.45                      | -4,582.92                                 | -756.52         | 4,631.76                        | 4,606.95             | 24.81   | 186.676 |                    |           |
| 5,300.00                                                       | 5,291.81                    | 4,918.28                    | 4,901.46                    | 11.83               | 13.82            | -82.47                      | -4,587.63                                 | -761.65         | 4,638.25                        | 4,612.95             | 25.30   | 183.297 |                    |           |
| 5,400.00                                                       | 5,391.39                    | 5,160.28                    | 5,142.23                    | 12.08               | 14.76            | -82.51                      | -4,600.91                                 | -781.86         | 4,643.70                        | 4,617.21             | 26.49   | 175.332 |                    |           |
| 5,500.00                                                       | 5,490.97                    | 5,269.04                    | 5,250.56                    | 12.33               | 15.17            | -82.54                      | -4,605.19                                 | -790.46         | 4,647.45                        | 4,620.31             | 27.14   | 171.232 |                    |           |
| 5,600.00                                                       | 5,590.55                    | 5,375.94                    | 5,356.93                    | 12.58               | 15.59            | -82.54                      | -4,608.86                                 | -800.37         | 4,650.86                        | 4,623.07             | 27.80   | 167.312 |                    |           |
| 5,700.00                                                       | 5,690.13                    | 5,461.16                    | 5,441.56                    | 12.83               | 15.93            | -82.52                      | -4,611.64                                 | -810.02         | 4,654.39                        | 4,626.01             | 28.38   | 164.007 |                    |           |
| 5,800.00                                                       | 5,789.71                    | 5,550.73                    | 5,530.34                    | 13.08               | 16.29            | -82.49                      | -4,614.68                                 | -821.55         | 4,658.24                        | 4,629.25             | 28.98   | 160.714 |                    |           |
| 5,900.00                                                       | 5,889.29                    | 5,645.46                    | 5,624.21                    | 13.33               | 16.68            | -82.45                      | -4,618.01                                 | -833.87         | 4,662.23                        | 4,632.62             | 29.61   | 157.431 |                    |           |
| 6,000.00                                                       | 5,988.87                    | 5,721.15                    | 5,699.18                    | 13.58               | 16.99            | -82.42                      | -4,620.82                                 | -843.83         | 4,666.47                        | 4,636.31             | 30.17   | 154.696 |                    |           |
| 6,100.00                                                       | 6,088.45                    | 5,771.00                    | 5,748.58                    | 13.84               | 17.20            | -82.40                      | -4,623.01                                 | -850.18         | 4,671.44                        | 4,640.83             | 30.61   | 152.627 |                    |           |
| 6,200.00                                                       | 6,188.03                    | 5,838.37                    | 5,815.34                    | 14.09               | 17.47            | -82.38                      | -4,626.61                                 | -858.48         | 4,677.25                        | 4,646.13             | 31.12   | 150.303 |                    |           |
| 6,300.00                                                       | 6,287.61                    | 5,920.66                    | 5,896.90                    | 14.34               | 17.81            | -82.36                      | -4,631.90                                 | -868.01         | 4,683.92                        | 4,652.23             | 31.69   | 147.803 |                    |           |
| 6,400.00                                                       | 6,387.19                    | 6,019.43                    | 5,994.95                    | 14.60               | 18.21            | -82.36                      | -4,638.42                                 | -877.96         | 4,690.58                        | 4,658.25             | 32.33   | 145.105 |                    |           |
| 6,500.00                                                       | 6,486.77                    | 6,122.52                    | 6,097.35                    | 14.85               | 18.62            | -82.37                      | -4,645.39                                 | -887.57         | 4,697.32                        | 4,664.34             | 32.98   | 142.450 |                    |           |
| 6,600.00                                                       | 6,586.35                    | 15,713.36                   | 11,082.91                   | 15.11               | 85.37            | 0.40                        | 5.81                                      | -1,555.84       | 4,687.58                        | 4,638.87             | 48.71   | 96.228  |                    |           |
| 6,700.00                                                       | 6,685.93                    | 15,711.69                   | 11,082.95                   | 15.37               | 85.36            | 0.29                        | 4.15                                      | -1,555.70       | 4,589.20                        | 4,540.21             | 49.00   | 93.667  |                    |           |
| 6,800.00                                                       | 6,785.51                    | 15,710.02                   | 11,082.99                   | 15.62               | 85.36            | 0.17                        | 2.49                                      | -1,555.56       | 4,490.89                        | 4,441.61             | 49.29   | 91.116  |                    |           |
| 6,900.00                                                       | 6,885.09                    | 15,708.36                   | 11,083.03                   | 15.88               | 85.36            | 0.06                        | 0.83                                      | -1,555.42       | 4,392.66                        | 4,343.07             | 49.59   | 88.577  |                    |           |
| 7,000.00                                                       | 6,984.68                    | 15,706.69                   | 11,083.07                   | 16.14               | 85.36            | -0.06                       | -0.84                                     | -1,555.28       | 4,294.51                        | 4,244.60             | 49.91   | 86.050  |                    |           |
| 7,100.00                                                       | 7,084.26                    | 15,705.02                   | 11,083.11                   | 16.40               | 85.36            | -0.17                       | -2.50                                     | -1,555.14       | 4,196.44                        | 4,146.21             | 50.24   | 83.535  |                    |           |
| 7,200.00                                                       | 7,183.84                    | 15,703.36                   | 11,083.15                   | 16.66               | 85.36            | -0.29                       | -4.16                                     | -1,555.00       | 4,098.47                        | 4,047.89             | 50.58   | 81.034  |                    |           |
| 7,300.00                                                       | 7,283.42                    | 15,701.69                   | 11,083.20                   | 16.91               | 85.36            | -0.40                       | -5.82                                     | -1,554.87       | 4,000.59                        | 3,949.86             | 50.93   | 78.546  |                    |           |
| 7,400.00                                                       | 7,383.00                    | 15,700.02                   | 11,083.24                   | 17.17               | 85.36            | -0.52                       | -7.48                                     | -1,554.73       | 3,902.83                        | 3,851.52             | 51.30   | 76.073  |                    |           |
| 7,500.00                                                       | 7,482.58                    | 15,698.35                   | 11,083.28                   | 17.43               | 85.35            | -0.63                       | -9.14                                     | -1,554.59       | 3,805.18                        | 3,753.49             | 51.69   | 73.614  |                    |           |
| 7,600.00                                                       | 7,582.16                    | 15,696.69                   | 11,083.32                   | 17.69               | 85.35            | -0.75                       | -10.80                                    | -1,554.45       | 3,707.65                        | 3,655.56             | 52.10   | 71.171  |                    |           |
| 7,700.00                                                       | 7,681.74                    | 15,695.02                   | 11,083.36                   | 17.95               | 85.35            | -0.86                       | -12.46                                    | -1,554.31       | 3,610.26                        | 3,557.74             | 52.52   | 68.743  |                    |           |
| 7,800.00                                                       | 7,781.32                    | 15,693.43                   | 11,083.40                   | 18.21               | 85.33            | -0.97                       | -14.05                                    | -1,554.17       | 3,513.01                        | 3,460.06             | 52.95   | 66.348  |                    |           |
| 7,900.00                                                       | 7,880.90                    | 15,691.85                   | 11,083.44                   | 18.47               | 85.30            | -1.08                       | -15.62                                    | -1,554.04       | 3,415.92                        | 3,362.52             | 53.40   | 63.968  |                    |           |
| 8,000.00                                                       | 7,980.48                    | 15,690.29                   | 11,083.47                   | 18.73               | 85.28            | -1.19                       | -17.17                                    | -1,553.92       | 3,319.01                        | 3,265.13             | 53.88   | 61.604  |                    |           |
| 8,100.00                                                       | 8,080.06                    | 15,688.75                   | 11,083.51                   | 19.00               | 85.26            | -1.29                       | -18.71                                    | -1,553.79       | 3,222.28                        | 3,167.90             | 54.38   | 59.257  |                    |           |
| 8,200.00                                                       | 8,179.64                    | 15,687.22                   | 11,083.55                   | 19.26               | 85.23            | -1.40                       | -20.23                                    | -1,553.66       | 3,125.76                        | 3,070.85             | 54.91   | 56.926  |                    |           |
| 8,243.13                                                       | 8,222.58                    | 15,686.56                   | 11,083.56                   | 19.37               | 85.22            | -1.44                       | -20.89                                    | -1,553.61       | 3,084.20                        | 3,029.05             | 55.15   | 55.927  |                    |           |
| 8,300.00                                                       | 8,279.24                    | 15,685.68                   | 11,083.58                   | 19.50               | 85.21            | -1.45                       | -21.77                                    | -1,553.54       | 3,029.54                        | 2,974.06             | 55.47   | 54.614  |                    |           |
| 8,400.00                                                       | 8,378.97                    | 15,684.03                   | 11,083.62                   | 19.70               | 85.18            | -1.48                       | -23.41                                    | -1,553.40       | 2,934.03                        | 2,877.95             | 56.09   | 52.312  |                    |           |
| 8,500.00                                                       | 8,478.82                    | 15,682.27                   | 11,083.66                   | 19.89               | 85.16            | -1.51                       | -25.16                                    | -1,553.26       | 2,839.40                        | 2,782.63             | 56.77   | 50.019  |                    |           |
| 8,600.00                                                       | 8,578.74                    | 15,680.41                   | 11,083.71                   | 20.08               | 85.13            | -1.55                       | -27.02                                    | -1,553.11       | 2,745.74                        | 2,688.23             | 57.52   | 47.737  |                    |           |
| 8,700.00                                                       | 8,678.72                    | 15,678.43                   | 11,083.75                   | 20.26               | 85.10            | -1.59                       | -28.99                                    | -1,552.96       | 2,653.21                        | 2,594.86             | 58.35   | 45.469  |                    |           |
| 8,768.36                                                       | 8,747.08                    | 15,677.02                   | 11,083.79                   | 20.38               | 85.07            | -91.62                      | -30.39                                    | -1,552.84       | 2,590.68                        | 2,531.71             | 58.97   | 43.929  |                    |           |
| 8,800.00                                                       | 8,778.72                    | 15,676.36                   | 11,083.80                   | 20.44               | 85.06            | -91.66                      | -31.05                                    | -1,552.79       | 2,561.92                        | 2,502.64             | 59.28   | 43.219  |                    |           |
| 8,900.00                                                       | 8,878.72                    | 15,674.29                   | 11,083.85                   | 20.64               | 85.03            | -91.77                      | -33.12                                    | -1,552.63       | 2,471.47                        | 2,411.18             | 60.29   | 40.992  |                    |           |
| 9,000.00                                                       | 8,978.72                    | 15,672.25                   | 11,083.90                   | 20.84               | 85.00            | -91.88                      | -35.15                                    | -1,552.47       | 2,381.78                        | 2,320.40             | 61.39   | 38.799  |                    |           |
| 9,068.36                                                       | 9,047.08                    | 15,670.87                   | 11,083.93                   | 20.97               | 84.98            | -91.95                      | -36.53                                    | -1,552.36       | 2,320.96                        | 2,258.77             | 62.19   | 37.322  |                    |           |
| 9,100.00                                                       | 9,078.70                    | 15,669.46                   | 11,083.96                   | 21.03               | 84.96            | 94.41                       | -37.93                                    | -1,552.25       | 2,292.95                        | 2,230.39             | 62.56   | 36.650  |                    |           |
| 9,150.00                                                       | 9,128.44                    | 15,664.12                   | 11,084.08                   | 21.12               | 84.88            | 103.19                      | -43.25                                    | -1,551.85       | 2,249.05                        | 2,185.92             | 63.13   | 35.625  |                    |           |
| 9,200.00                                                       | 9,177.57                    | 15,655.04                   | 11,084.28                   | 21.21               | 84.74            | 110.96                      | -52.31                                    | -1,551.17       | 2,205.87                        | 2,142.20             | 63.67   | 34.647  |                    |           |
| 9,250.00                                                       | 9,225.69                    | 15,637.29                   | 11,084.64                   | 21.30               | 84.46            | 117.37                      | -70.01                                    | -1,549.89       | 2,163.74                        | 2,099.62             | 64.12   | 33.744  |                    |           |
| 9,300.00                                                       | 9,272.46                    | 15,607.09                   | 11,085.16                   | 21.40               | 84.00            | 122.44                      | -100.12                                   | -1,547.64       | 2,122.89                        | 2,058.43             | 64.46   | 32.934  |                    |           |
| 9,350.00                                                       | 9,317.51                    | 15,571.13                   | 11,085.60                   | 21.49               | 83.44            | 126.59                      | -135.96                                   | -1,544.84       | 2,083.54                        | 2,018.81             | 64.73   | 32.189  |                    |           |
| 9,400.00                                                       | 9,360.51                    | 15,537.10                   | 11,085.85                   | 21.59               | 82.92            | 130.18                      | -169.88                                   | -1,542.09       | 2,045.90                        | 1,980.92             | 64.99   | 31.482  |                    |           |
| 9,450.00                                                       | 9,401.12                    | 15,505.17                   | 11,085.94                   | 21.69               | 82.43            | 133.24                      | -201.71                                   | -1,539.60       | 2,010.33                        | 1,945.09             | 65.24   | 30.816  |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit - 62H - OH - OH                     |                             |                             |                             |                     |                  |                             |                                           |                 |                              |                               |                                 |                      | Offset Site Error: | 0.00 usft |
|----------------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|-----------------------------|-------------------------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|----------------------|--------------------|-----------|
| Survey Program: 85-ISCWSA-GYRO-3, 1447-LEAM_MWD, 15750-Project |                             |                             |                             |                     |                  |                             |                                           |                 |                              |                               |                                 |                      | Offset Well Error: | 0.00 usft |
| Reference                                                      |                             | Offset                      |                             | Semi Major Axis     |                  | Highside<br>Toolface<br>(°) | Distance                                  |                 | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning            |           |
| Measured<br>Depth<br>(usft)                                    | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | Offset Wellbore Centre<br>+N/-S<br>(usft) | +E/-W<br>(usft) |                              |                               |                                 |                      |                    |           |
| 9,500.00                                                       | 9,439.03                    | 15,469.86                   | 11,085.88                   | 21.80               | 81.89            | 135.75                      | -236.93                                   | -1,537.01       | 1,977.05                     | 1,911.63                      | 65.43                           | 30.217               |                    |           |
| 9,550.00                                                       | 9,473.97                    | 15,459.00                   | 11,085.83                   | 21.91               | 81.73            | 138.21                      | -247.76                                   | -1,536.24       | 1,946.47                     | 1,880.68                      | 65.79                           | 29.586               |                    |           |
| 9,600.00                                                       | 9,505.65                    | 15,418.73                   | 11,085.86                   | 22.04               | 81.11            | 139.85                      | -287.94                                   | -1,533.52       | 1,918.69                     | 1,852.82                      | 65.87                           | 29.130               |                    |           |
| 9,650.00                                                       | 9,533.84                    | 15,392.52                   | 11,086.13                   | 22.18               | 80.72            | 141.35                      | -314.10                                   | -1,531.85       | 1,894.28                     | 1,828.26                      | 66.01                           | 28.696               |                    |           |
| 9,700.00                                                       | 9,558.33                    | 15,364.00                   | 11,086.66                   | 22.35               | 80.28            | 142.53                      | -342.56                                   | -1,530.11       | 1,873.33                     | 1,807.24                      | 66.09                           | 28.344               |                    |           |
| 9,750.00                                                       | 9,578.93                    | 15,315.82                   | 11,087.73                   | 22.54               | 79.56            | 143.36                      | -390.64                                   | -1,527.21       | 1,855.80                     | 1,789.85                      | 65.95                           | 28.140               |                    |           |
| 9,800.00                                                       | 9,595.48                    | 15,265.20                   | 11,088.81                   | 22.75               | 78.79            | 144.01                      | -441.15                                   | -1,524.08       | 1,841.54                     | 1,775.81                      | 65.73                           | 28.017               |                    |           |
| 9,850.00                                                       | 9,607.86                    | 15,215.76                   | 11,089.80                   | 22.99               | 78.05            | 144.52                      | -490.49                                   | -1,521.02       | 1,830.65                     | 1,765.19                      | 65.47                           | 27.963               |                    |           |
| 9,900.00                                                       | 9,615.96                    | 15,165.89                   | 11,090.70                   | 23.25               | 77.30            | 144.89                      | -540.26                                   | -1,518.04       | 1,823.25                     | 1,758.10                      | 65.15                           | 27.985               |                    |           |
| 9,950.00                                                       | 9,619.74                    | 15,117.24                   | 11,091.42                   | 23.55               | 76.58            | 145.12                      | -588.83                                   | -1,515.37       | 1,819.40                     | 1,754.60                      | 64.80                           | 28.078               |                    |           |
| 9,974.90                                                       | 9,620.00                    | 15,092.95                   | 11,091.72                   | 23.70               | 76.22            | 145.18                      | -613.09                                   | -1,514.15       | 1,818.83                     | 1,754.22                      | 64.60                           | 28.153               |                    |           |
| 10,000.00                                                      | 9,619.71                    | 15,069.39                   | 11,091.98                   | 27.27               | 75.87            | 145.21                      | -636.62                                   | -1,513.02       | 1,818.71                     | 1,754.37                      | 64.34                           | 28.266               |                    |           |
| 10,100.00                                                      | 9,618.57                    | 14,977.22                   | 11,093.72                   | 27.34               | 74.51            | 145.37                      | -728.65                                   | -1,508.10       | 1,818.57                     | 1,755.28                      | 63.28                           | 28.738               |                    |           |
| 10,136.18                                                      | 9,618.16                    | 14,935.78                   | 11,094.60                   | 27.37               | 73.90            | 145.45                      | -770.01                                   | -1,505.76       | 1,818.52                     | 1,755.72                      | 62.81                           | 28.955               |                    |           |
| 10,200.00                                                      | 9,617.43                    | 14,863.57                   | 11,095.67                   | 27.41               | 72.84            | 145.57                      | -842.10                                   | -1,501.84       | 1,818.21                     | 1,756.21                      | 61.99                           | 29.330               |                    |           |
| 10,300.00                                                      | 9,616.29                    | 14,761.91                   | 11,096.44                   | 27.49               | 71.36            | 145.72                      | -943.62                                   | -1,496.65       | 1,817.30                     | 1,756.37                      | 60.93                           | 29.825               |                    |           |
| 10,400.00                                                      | 9,615.15                    | 14,665.17                   | 11,097.32                   | 27.57               | 69.96            | 145.86                      | -1,040.26                                 | -1,492.12       | 1,816.76                     | 1,756.77                      | 59.99                           | 30.283               |                    |           |
| 10,500.00                                                      | 9,614.00                    | 14,555.83                   | 11,097.91                   | 27.66               | 68.40            | 146.01                      | -1,149.46                                 | -1,486.76       | 1,815.80                     | 1,756.86                      | 58.95                           | 30.804               |                    |           |
| 10,600.00                                                      | 9,612.86                    | 14,455.31                   | 11,097.93                   | 27.74               | 66.97            | 146.13                      | -1,249.88                                 | -1,482.21       | 1,814.64                     | 1,756.57                      | 58.07                           | 31.247               |                    |           |
| 10,700.00                                                      | 9,611.72                    | 14,352.02                   | 11,097.76                   | 27.83               | 65.52            | 146.25                      | -1,353.07                                 | -1,477.73       | 1,813.45                     | 1,756.23                      | 57.22                           | 31.691               |                    |           |
| 10,800.00                                                      | 9,610.58                    | 14,237.79                   | 11,097.15                   | 27.92               | 63.94            | 146.37                      | -1,467.18                                 | -1,472.44       | 1,811.80                     | 1,755.51                      | 56.29                           | 32.188               |                    |           |
| 10,900.00                                                      | 9,609.44                    | 14,118.57                   | 11,095.36                   | 28.02               | 62.30            | 146.50                      | -1,586.23                                 | -1,466.48       | 1,809.13                     | 1,753.78                      | 55.35                           | 32.685               |                    |           |
| 11,000.00                                                      | 9,608.29                    | 14,008.71                   | 11,093.02                   | 28.12               | 60.80            | 146.62                      | -1,695.90                                 | -1,460.52       | 1,805.71                     | 1,751.14                      | 54.57                           | 33.092               |                    |           |
| 11,100.00                                                      | 9,607.15                    | 13,901.06                   | 11,090.31                   | 28.22               | 59.35            | 146.74                      | -1,803.33                                 | -1,454.17       | 1,801.71                     | 1,747.87                      | 53.85                           | 33.460               |                    |           |
| 11,200.00                                                      | 9,606.01                    | 13,801.72                   | 11,088.03                   | 28.32               | 58.02            | 146.88                      | -1,902.44                                 | -1,447.68       | 1,797.57                     | 1,744.32                      | 53.24                           | 33.761               |                    |           |
| 11,300.00                                                      | 9,604.87                    | 13,707.89                   | 11,086.03                   | 28.43               | 56.79            | 147.00                      | -1,996.05                                 | -1,441.62       | 1,793.60                     | 1,740.86                      | 52.74                           | 34.009               |                    |           |
| 11,400.00                                                      | 9,603.72                    | 13,607.71                   | 11,083.72                   | 28.55               | 55.50            | 147.11                      | -2,096.04                                 | -1,436.01       | 1,789.97                     | 1,737.74                      | 52.23                           | 34.274               |                    |           |
| 11,500.00                                                      | 9,602.58                    | 13,511.56                   | 11,081.27                   | 28.67               | 54.28            | 147.22                      | -2,192.02                                 | -1,430.67       | 1,786.17                     | 1,734.37                      | 51.80                           | 34.485               |                    |           |
| 11,600.00                                                      | 9,601.44                    | 13,419.37                   | 11,079.02                   | 28.80               | 53.14            | 147.30                      | -2,284.07                                 | -1,426.27       | 1,782.89                     | 1,731.44                      | 51.45                           | 34.650               |                    |           |
| 11,700.00                                                      | 9,600.30                    | 13,311.86                   | 11,076.49                   | 28.93               | 51.83            | 147.39                      | -2,391.43                                 | -1,421.18       | 1,779.71                     | 1,728.71                      | 51.00                           | 34.897               |                    |           |
| 11,800.00                                                      | 9,599.16                    | 13,230.25                   | 11,074.73                   | 29.08               | 50.86            | 147.48                      | -2,472.91                                 | -1,416.86       | 1,776.45                     | 1,725.63                      | 50.82                           | 34.956               |                    |           |
| 11,900.00                                                      | 9,598.01                    | 13,148.06                   | 11,074.32                   | 29.24               | 49.90            | 147.58                      | -2,554.99                                 | -1,412.74       | 1,774.65                     | 1,723.99                      | 50.66                           | 35.031               |                    |           |
| 12,000.00                                                      | 9,596.87                    | 13,062.91                   | 11,073.92                   | 29.42               | 48.94            | 147.67                      | -2,640.06                                 | -1,409.10       | 1,773.35                     | 1,722.83                      | 50.52                           | 35.105               |                    |           |
| 12,036.52                                                      | 9,596.45                    | 13,038.04                   | 11,074.01                   | 29.49               | 48.66            | 147.70                      | -2,664.92                                 | -1,408.18       | 1,773.23                     | 1,722.70                      | 50.53                           | 35.091               |                    |           |
| 12,100.00                                                      | 9,595.73                    | 13,000.00                   | 11,074.43                   | 29.62               | 48.24            | 147.74                      | -2,702.93                                 | -1,406.90       | 1,773.60                     | 1,722.99                      | 50.62                           | 35.040               |                    |           |
| 12,200.00                                                      | 9,594.59                    | 12,916.69                   | 11,075.93                   | 29.85               | 47.34            | 147.82                      | -2,786.21                                 | -1,405.05       | 1,775.33                     | 1,724.76                      | 50.57                           | 35.107               |                    |           |
| 12,300.00                                                      | 9,593.45                    | 12,800.46                   | 11,077.76                   | 30.10               | 46.14            | 147.89                      | -2,902.42                                 | -1,403.61       | 1,777.38                     | 1,727.11                      | 50.27                           | 35.357               |                    |           |
| 12,400.00                                                      | 9,592.30                    | 12,697.55                   | 11,078.97                   | 30.40               | 45.11            | 147.96                      | -3,005.30                                 | -1,401.60       | 1,778.68                     | 1,728.55                      | 50.13                           | 35.482               |                    |           |
| 12,500.00                                                      | 9,591.16                    | 12,606.93                   | 11,080.49                   | 30.73               | 44.24            | 148.05                      | -3,095.88                                 | -1,399.56       | 1,780.26                     | 1,730.14                      | 50.12                           | 35.517               |                    |           |
| 12,600.00                                                      | 9,590.02                    | 9,483.21                    | 9,441.14                    | 31.09               | 31.77            | 81.66                       | -4,775.21                                 | -1,194.59       | 1,740.23                     | 1,681.05                      | 59.18                           | 29.406               |                    |           |
| 12,700.00                                                      | 9,588.88                    | 9,484.65                    | 9,442.57                    | 31.49               | 31.77            | 81.77                       | -4,775.26                                 | -1,194.73       | 1,650.77                     | 1,591.45                      | 59.32                           | 27.830               |                    |           |
| 12,800.00                                                      | 9,587.73                    | 9,486.14                    | 9,444.05                    | 31.93               | 31.78            | 81.88                       | -4,775.32                                 | -1,194.88       | 1,562.58                     | 1,503.10                      | 59.47                           | 26.273               |                    |           |
| 12,900.00                                                      | 9,586.59                    | 9,487.68                    | 9,445.58                    | 32.38               | 31.79            | 82.00                       | -4,775.37                                 | -1,195.03       | 1,475.90                     | 1,416.23                      | 59.66                           | 24.737               |                    |           |
| 13,000.00                                                      | 9,585.45                    | 9,489.27                    | 9,447.16                    | 32.87               | 31.79            | 82.12                       | -4,775.43                                 | -1,195.19       | 1,391.00                     | 1,331.11                      | 59.89                           | 23.226               |                    |           |
| 13,100.00                                                      | 9,584.31                    | 9,490.92                    | 9,448.80                    | 33.37               | 31.80            | 82.25                       | -4,775.49                                 | -1,195.36       | 1,308.24                     | 1,248.07                      | 60.17                           | 21.744               |                    |           |
| 13,200.00                                                      | 9,583.17                    | 9,492.62                    | 9,450.49                    | 33.88               | 31.81            | 82.37                       | -4,775.55                                 | -1,195.53       | 1,228.04                     | 1,167.53                      | 60.51                           | 20.296               |                    |           |
| 13,300.00                                                      | 9,582.02                    | 9,494.39                    | 9,452.25                    | 34.42               | 31.81            | 82.51                       | -4,775.62                                 | -1,195.71       | 1,150.94                     | 1,090.01                      | 60.93                           | 18.891               |                    |           |
| 13,400.00                                                      | 9,580.88                    | 9,496.22                    | 9,454.07                    | 34.96               | 31.82            | 82.65                       | -4,775.68                                 | -1,195.89       | 1,077.61                     | 1,016.16                      | 61.45                           | 17.537               |                    |           |
| 13,500.00                                                      | 9,579.74                    | 9,498.12                    | 9,455.96                    | 35.52               | 31.83            | 82.79                       | -4,775.76                                 | -1,196.09       | 1,008.87                     | 946.77                        | 62.09                           | 16.248               |                    |           |
| 13,600.00                                                      | 9,578.60                    | 9,500.09                    | 9,457.92                    | 36.09               | 31.84            | 82.94                       | -4,775.83                                 | -1,196.29       | 945.71                       | 882.83                        | 62.88                           | 15.040               |                    |           |
| 13,700.00                                                      | 9,577.46                    | 9,502.14                    | 9,459.96                    | 36.67               | 31.84            | 83.10                       | -4,775.91                                 | -1,196.50       | 889.33                       | 825.51                        | 63.83                           | 13.934               |                    |           |
| 13,800.00                                                      | 9,576.31                    | 9,504.28                    | 9,462.08                    | 37.25               | 31.85            | 83.26                       | -4,776.00                                 | -1,196.72       | 841.10                       | 776.17                        | 64.92                           | 12.955               |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design      Thistle Unit - 62H - OH - OH                     |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error:      0.00 usft |  |
|---------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|-----------------------------------|--|
| Survey Program:      85-ISCWSA-GYRO-3, 1447-LEAM_MWD, 15750-Project |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error:      0.00 usft |  |
| Reference                                                           |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   | Warning                           |  |
| Measured Depth (usft)                                               | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                                   |  |
| 13,900.00                                                           | 9,575.17              | 9,506.49              | 9,464.28              | 37.84            | 31.86         | 83.42                 | -4,776.09                           | -1,196.95    | 802.48                 | 736.33                  | 66.15                     | 12.132            |                                   |  |
| 14,000.00                                                           | 9,574.03              | 9,508.80              | 9,466.58              | 38.45            | 31.87         | 83.60                 | -4,776.18                           | -1,197.19    | 774.91                 | 707.48                  | 67.43                     | 11.492            |                                   |  |
| 14,100.00                                                           | 9,572.89              | 9,511.21              | 9,468.97              | 39.05            | 31.88         | 83.78                 | -4,776.28                           | -1,197.45    | 759.59                 | 690.92                  | 68.67                     | 11.061            |                                   |  |
| 14,167.60                                                           | 9,572.12              | 9,512.90              | 9,470.65              | 39.47            | 31.89         | 83.91                 | -4,776.35                           | -1,197.62    | 756.58                 | 687.14                  | 69.44                     | 10.896 CC, ES     |                                   |  |
| 14,200.00                                                           | 9,571.75              | 9,513.72              | 9,471.47              | 39.67            | 31.89         | 83.97                 | -4,776.38                           | -1,197.71    | 757.27                 | 687.50                  | 69.77                     | 10.854 SF         |                                   |  |
| 14,300.00                                                           | 9,570.60              | 9,516.34              | 9,474.07              | 40.29            | 31.90         | 84.17                 | -4,776.50                           | -1,197.99    | 768.07                 | 697.43                  | 70.64                     | 10.874            |                                   |  |
| 14,400.00                                                           | 9,569.46              | 9,519.09              | 9,476.79              | 40.91            | 31.91         | 84.38                 | -4,776.61                           | -1,198.28    | 791.44                 | 720.22                  | 71.22                     | 11.112            |                                   |  |
| 14,500.00                                                           | 9,568.32              | 9,521.95              | 9,479.64              | 41.54            | 31.92         | 84.59                 | -4,776.74                           | -1,198.59    | 826.32                 | 754.79                  | 71.53                     | 11.551            |                                   |  |
| 14,600.00                                                           | 9,567.18              | 9,524.95              | 9,482.62              | 42.18            | 31.93         | 84.82                 | -4,776.87                           | -1,198.92    | 871.33                 | 799.71                  | 71.62                     | 12.166            |                                   |  |
| 14,700.00                                                           | 9,566.03              | 9,528.10              | 9,485.75              | 42.82            | 31.95         | 85.06                 | -4,777.02                           | -1,199.26    | 925.00                 | 853.45                  | 71.54                     | 12.929            |                                   |  |
| 14,800.00                                                           | 9,564.89              | 9,531.41              | 9,489.03              | 43.46            | 31.96         | 85.31                 | -4,777.17                           | -1,199.62    | 985.89                 | 914.53                  | 71.36                     | 13.816            |                                   |  |
| 14,900.00                                                           | 9,563.75              | 9,534.88              | 9,492.47              | 44.11            | 31.97         | 85.57                 | -4,777.33                           | -1,200.00    | 1,052.78               | 981.66                  | 71.12                     | 14.803            |                                   |  |
| 15,000.00                                                           | 9,562.61              | 9,538.53              | 9,496.10              | 44.76            | 31.99         | 85.85                 | -4,777.51                           | -1,200.41    | 1,124.57               | 1,053.72                | 70.85                     | 15.872            |                                   |  |
| 15,100.00                                                           | 9,561.47              | 9,542.38              | 9,499.92              | 45.42            | 32.00         | 86.14                 | -4,777.70                           | -1,200.84    | 1,200.40               | 1,129.81                | 70.59                     | 17.006            |                                   |  |
| 15,200.00                                                           | 9,560.32              | 9,546.44              | 9,503.95              | 46.08            | 32.02         | 86.45                 | -4,777.90                           | -1,201.30    | 1,279.54               | 1,209.20                | 70.34                     | 18.191            |                                   |  |
| 15,300.00                                                           | 9,559.18              | 9,550.73              | 9,508.20              | 46.74            | 32.04         | 86.77                 | -4,778.12                           | -1,201.79    | 1,361.42               | 1,291.31                | 70.11                     | 19.418            |                                   |  |
| 15,400.00                                                           | 9,558.04              | 9,555.00              | 9,512.44              | 47.41            | 32.06         | 87.09                 | -4,778.34                           | -1,202.28    | 1,445.56               | 1,375.66                | 69.91                     | 20.678            |                                   |  |
| 15,500.00                                                           | 9,556.90              | 9,559.16              | 9,516.57              | 48.08            | 32.07         | 87.41                 | -4,778.56                           | -1,202.77    | 1,531.61               | 1,461.88                | 69.73                     | 21.964            |                                   |  |
| 15,600.00                                                           | 9,555.76              | 9,563.08              | 9,520.45              | 48.75            | 32.09         | 87.70                 | -4,778.77                           | -1,203.22    | 1,619.25               | 1,549.67                | 69.58                     | 23.272            |                                   |  |
| 15,700.00                                                           | 9,554.61              | 9,566.97              | 9,524.32              | 49.43            | 32.10         | 87.99                 | -4,778.97                           | -1,203.67    | 1,708.23               | 1,638.78                | 69.45                     | 24.597            |                                   |  |
| 15,800.00                                                           | 9,553.47              | 9,570.85              | 9,528.16              | 50.10            | 32.12         | 88.28                 | -4,779.17                           | -1,204.12    | 1,798.37               | 1,729.03                | 69.34                     | 25.935            |                                   |  |
| 15,900.00                                                           | 9,552.33              | 9,574.71              | 9,531.99              | 50.79            | 32.14         | 88.57                 | -4,779.38                           | -1,204.56    | 1,889.49               | 1,820.23                | 69.26                     | 27.283            |                                   |  |
| 16,000.00                                                           | 9,551.19              | 9,578.54              | 9,535.79              | 51.47            | 32.15         | 88.86                 | -4,779.58                           | -1,205.00    | 1,981.46               | 1,912.27                | 69.19                     | 28.639            |                                   |  |
| 16,100.00                                                           | 9,550.05              | 9,582.36              | 9,539.58              | 52.15            | 32.17         | 89.15                 | -4,779.77                           | -1,205.44    | 2,074.16               | 2,005.03                | 69.14                     | 30.000            |                                   |  |
| 16,200.00                                                           | 9,548.90              | 9,586.16              | 9,543.35              | 52.84            | 32.18         | 89.43                 | -4,779.97                           | -1,205.88    | 2,167.51               | 2,098.41                | 69.10                     | 31.366            |                                   |  |
| 16,300.00                                                           | 9,547.76              | 9,589.93              | 9,547.09              | 53.53            | 32.20         | 89.71                 | -4,780.17                           | -1,206.32    | 2,261.42               | 2,192.34                | 69.08                     | 32.735            |                                   |  |
| 16,400.00                                                           | 9,546.62              | 9,593.69              | 9,550.82              | 54.22            | 32.21         | 90.00                 | -4,780.36                           | -1,206.75    | 2,355.83               | 2,286.75                | 69.08                     | 34.105            |                                   |  |
| 16,500.00                                                           | 9,545.48              | 9,597.43              | 9,554.53              | 54.92            | 32.23         | 90.27                 | -4,780.55                           | -1,207.18    | 2,450.67               | 2,381.59                | 69.08                     | 35.476            |                                   |  |
| 16,600.00                                                           | 9,544.33              | 9,601.15              | 9,558.22              | 55.61            | 32.24         | 90.55                 | -4,780.75                           | -1,207.61    | 2,545.90               | 2,476.80                | 69.09                     | 36.847            |                                   |  |
| 16,700.00                                                           | 9,543.19              | 9,604.86              | 9,561.90              | 56.31            | 32.26         | 90.83                 | -4,780.94                           | -1,208.04    | 2,641.48               | 2,572.36                | 69.12                     | 38.217            |                                   |  |
| 16,800.00                                                           | 9,542.05              | 9,608.54              | 9,565.55              | 57.01            | 32.27         | 91.10                 | -4,781.13                           | -1,208.46    | 2,737.37               | 2,668.22                | 69.15                     | 39.586            |                                   |  |
| 16,900.00                                                           | 9,540.91              | 9,612.20              | 9,569.19              | 57.71            | 32.29         | 91.37                 | -4,781.31                           | -1,208.88    | 2,833.53               | 2,764.34                | 69.19                     | 40.953            |                                   |  |
| 16,979.53                                                           | 9,540.00              | 9,615.11              | 9,572.06              | 58.27            | 32.30         | 91.59                 | -4,781.46                           | -1,209.22    | 2,910.20               | 2,840.97                | 69.23                     | 42.038            |                                   |  |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit - 63H - OH - OH |                             |                             |                             |                     |                  |                             |                                           |                 |                                 |                      |           |  | Offset Site Error: | 0.00 usft |
|--------------------------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|-----------------------------|-------------------------------------------|-----------------|---------------------------------|----------------------|-----------|--|--------------------|-----------|
| Survey Program: 100- VES GyroFlex V2       |                             |                             |                             |                     |                  |                             |                                           |                 |                                 |                      |           |  | Offset Well Error: | 0.00 usft |
| Reference                                  |                             | Offset                      |                             | Semi Major Axis     |                  | Highside<br>Toolface<br>(°) | Distance                                  |                 | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning   |  |                    |           |
| Measured<br>Depth<br>(usft)                | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | Offset Wellbore Centre<br>+N/-S<br>(usft) | +E/-W<br>(usft) |                                 |                      |           |  |                    |           |
| 0.00                                       | 0.00                        | 0.00                        | 0.00                        | 0.00                | 0.00             | -174.74                     | -4,454.68                                 | -410.14         | 4,473.57                        |                      |           |  |                    |           |
| 100.00                                     | 100.00                      | 64.42                       | 64.42                       | 0.09                | 0.04             | -174.74                     | -4,454.78                                 | -410.15         | 4,473.64                        | 0.13                 | N/A       |  |                    |           |
| 200.00                                     | 200.00                      | 153.08                      | 153.08                      | 0.31                | 0.13             | -174.74                     | -4,455.20                                 | -410.19         | 4,474.12                        | 0.45                 | N/A       |  |                    |           |
| 300.00                                     | 300.00                      | 244.37                      | 244.37                      | 0.54                | 0.23             | -174.74                     | -4,455.79                                 | -410.29         | 4,474.77                        | 0.76                 | 5,865.783 |  |                    |           |
| 400.00                                     | 400.00                      | 340.01                      | 340.00                      | 0.76                | 0.29             | -174.74                     | -4,456.61                                 | -410.32         | 4,475.63                        | 1.05                 | 4,244.014 |  |                    |           |
| 500.00                                     | 500.00                      | 448.60                      | 448.59                      | 0.99                | 0.36             | -174.74                     | -4,457.44                                 | -410.55         | 4,476.40                        | 1.34                 | 3,333.951 |  |                    |           |
| 600.00                                     | 600.00                      | 563.66                      | 563.65                      | 1.21                | 0.42             | -174.74                     | -4,458.03                                 | -410.64         | 4,476.93                        | 1.63                 | 2,751.948 |  |                    |           |
| 700.00                                     | 700.00                      | 678.26                      | 678.25                      | 1.43                | 0.47             | -174.73                     | -4,458.19                                 | -410.83         | 4,477.08                        | 1.90                 | 2,358.708 |  |                    |           |
| 773.85                                     | 773.85                      | 752.37                      | 752.35                      | 1.60                | 0.49             | -174.73                     | -4,458.16                                 | -410.98         | 4,477.06                        | 2.09                 | 2,144.820 |  |                    |           |
| 800.00                                     | 800.00                      | 777.46                      | 777.44                      | 1.66                | 0.50             | -174.73                     | -4,458.15                                 | -411.07         | 4,477.07                        | 2.15                 | 2,078.972 |  |                    |           |
| 900.00                                     | 900.00                      | 879.57                      | 879.56                      | 1.88                | 0.54             | -174.73                     | -4,458.14                                 | -411.38         | 4,477.08                        | 2.41                 | 1,860.393 |  |                    |           |
| 1,000.00                                   | 1,000.00                    | 987.93                      | 987.91                      | 2.11                | 0.56             | -174.73                     | -4,458.02                                 | -411.38         | 4,476.97                        | 2.66                 | 1,685.439 |  |                    |           |
| 1,100.00                                   | 1,100.00                    | 1,100.52                    | 1,100.51                    | 2.33                | 0.58             | -174.73                     | -4,457.67                                 | -410.94         | 4,476.63                        | 2.91                 | 1,540.814 |  |                    |           |
| 1,200.00                                   | 1,200.00                    | 1,210.04                    | 1,210.03                    | 2.56                | 0.60             | -174.74                     | -4,457.07                                 | -410.29         | 4,476.02                        | 3.15                 | 1,419.246 |  |                    |           |
| 1,300.00                                   | 1,300.00                    | 1,312.34                    | 1,312.31                    | 2.78                | 0.62             | -174.75                     | -4,456.38                                 | -409.59         | 4,475.29                        | 3.40                 | 1,316.093 |  |                    |           |
| 1,400.00                                   | 1,400.00                    | 1,413.17                    | 1,413.14                    | 3.01                | 0.64             | -174.76                     | -4,455.65                                 | -408.97         | 4,474.51                        | 3.65                 | 1,226.926 |  |                    |           |
| 1,500.00                                   | 1,500.00                    | 1,505.03                    | 1,505.00                    | 3.23                | 0.66             | -174.76                     | -4,455.06                                 | -408.50         | 4,473.83                        | 3.89                 | 1,149.632 |  |                    |           |
| 1,600.00                                   | 1,600.00                    | 1,603.25                    | 1,603.22                    | 3.46                | 0.68             | -174.77                     | -4,454.56                                 | -407.90         | 4,473.26                        | 4.14                 | 1,080.986 |  |                    |           |
| 1,700.00                                   | 1,700.00                    | 1,730.94                    | 1,730.90                    | 3.68                | 0.71             | -174.78                     | -4,453.74                                 | -406.62         | 4,472.57                        | 4.39                 | 1,018.332 |  |                    |           |
| 1,800.00                                   | 1,800.00                    | 1,877.81                    | 1,877.74                    | 3.91                | 0.75             | -174.79                     | -4,451.02                                 | -405.57         | 4,470.56                        | 4.65                 | 961.030   |  |                    |           |
| 1,900.00                                   | 1,900.00                    | 1,978.97                    | 1,978.87                    | 4.13                | 0.77             | -174.79                     | -4,448.71                                 | -405.89         | 4,468.31                        | 4.90                 | 911.763   |  |                    |           |
| 2,000.00                                   | 2,000.00                    | 2,065.88                    | 2,065.75                    | 4.36                | 0.79             | -174.77                     | -4,446.77                                 | -406.67         | 4,466.18                        | 5.15                 | 867.876   |  |                    |           |
| 2,100.00                                   | 2,100.00                    | 2,143.66                    | 2,143.51                    | 4.58                | 0.81             | -174.76                     | -4,445.30                                 | -407.87         | 4,464.45                        | 5.39                 | 828.484   |  |                    |           |
| 2,200.00                                   | 2,200.00                    | 2,200.00                    | 2,199.83                    | 4.81                | 0.82             | -174.74                     | -4,444.50                                 | -408.99         | 4,463.33                        | 5.63                 | 793.363   |  |                    |           |
| 2,287.37                                   | 2,287.37                    | 2,266.15                    | 2,265.96                    | 5.00                | 0.83             | -174.72                     | -4,444.03                                 | -410.51         | 4,462.95                        | 5.83                 | 764.864   |  |                    |           |
| 2,300.00                                   | 2,300.00                    | 2,273.67                    | 2,273.48                    | 5.03                | 0.83             | -174.72                     | -4,444.02                                 | -410.69         | 4,462.95                        | 5.86                 | 760.977   |  |                    |           |
| 2,400.00                                   | 2,400.00                    | 2,336.81                    | 2,336.61                    | 5.26                | 0.85             | -174.70                     | -4,444.22                                 | -412.24         | 4,463.50                        | 6.10                 | 731.693   |  |                    |           |
| 2,500.00                                   | 2,500.00                    | 2,400.00                    | 2,399.77                    | 5.48                | 0.86             | -174.68                     | -4,444.93                                 | -413.58         | 4,464.82                        | 6.33                 | 704.883   |  |                    |           |
| 2,600.00                                   | 2,600.00                    | 2,487.78                    | 2,487.53                    | 5.71                | 0.87             | -174.67                     | -4,446.44                                 | -414.83         | 4,466.68                        | 6.57                 | 679.832   |  |                    |           |
| 2,700.00                                   | 2,700.00                    | 2,582.89                    | 2,582.62                    | 5.93                | 0.88             | -174.67                     | -4,448.41                                 | -415.30         | 4,468.79                        | 6.81                 | 656.457   |  |                    |           |
| 2,800.00                                   | 2,800.00                    | 2,684.07                    | 2,683.78                    | 6.15                | 0.90             | -174.67                     | -4,450.57                                 | -415.47         | 4,470.93                        | 7.05                 | 634.495   |  |                    |           |
| 2,900.00                                   | 2,900.00                    | 2,800.09                    | 2,799.77                    | 6.38                | 0.92             | -174.66                     | -4,452.76                                 | -416.55         | 4,472.89                        | 7.29                 | 613.622   |  |                    |           |
| 3,000.00                                   | 3,000.00                    | 2,999.53                    | 2,999.17                    | 6.60                | 0.96             | -174.61                     | -4,454.19                                 | -420.11         | 4,474.01                        | 7.55                 | 592.743   |  |                    |           |
| 3,100.00                                   | 3,099.99                    | 3,177.60                    | 3,177.19                    | 6.81                | 0.99             | -84.61                      | -4,451.28                                 | -422.66         | 4,472.31                        | 7.79                 | 574.320   |  |                    |           |
| 3,200.00                                   | 3,199.96                    | 3,261.74                    | 3,261.32                    | 7.01                | 1.01             | -84.65                      | -4,449.44                                 | -422.96         | 4,469.94                        | 8.00                 | 558.697   |  |                    |           |
| 3,300.00                                   | 3,299.96                    | 3,349.72                    | 3,349.28                    | 7.21                | 1.02             | -84.72                      | -4,447.99                                 | -423.07         | 4,467.89                        | 8.22                 | 543.650   |  |                    |           |
| 3,400.00                                   | 3,399.68                    | 3,449.48                    | 3,449.03                    | 7.42                | 1.04             | -84.82                      | -4,446.40                                 | -422.89         | 4,465.73                        | 8.44                 | 528.980   |  |                    |           |
| 3,500.00                                   | 3,499.37                    | 3,542.66                    | 3,542.20                    | 7.63                | 1.06             | -84.94                      | -4,444.98                                 | -422.77         | 4,463.49                        | 8.67                 | 514.829   |  |                    |           |
| 3,525.23                                   | 3,524.50                    | 3,565.16                    | 3,564.70                    | 7.68                | 1.06             | -84.97                      | -4,444.66                                 | -422.75         | 4,462.93                        | 8.73                 | 511.335   |  |                    |           |
| 3,600.00                                   | 3,598.95                    | 3,635.81                    | 3,635.34                    | 7.84                | 1.08             | -85.05                      | -4,443.73                                 | -422.67         | 4,461.35                        | 8.90                 | 501.121   |  |                    |           |
| 3,700.00                                   | 3,698.53                    | 3,745.81                    | 3,745.32                    | 8.06                | 1.10             | -85.18                      | -4,442.27                                 | -422.36         | 4,459.21                        | 9.14                 | 487.726   |  |                    |           |
| 3,800.00                                   | 3,798.11                    | 3,855.87                    | 3,855.37                    | 8.28                | 1.12             | -85.31                      | -4,440.39                                 | -422.10         | 4,456.71                        | 9.39                 | 474.781   |  |                    |           |
| 3,900.00                                   | 3,897.69                    | 3,966.85                    | 3,966.33                    | 8.50                | 1.15             | -85.44                      | -4,438.36                                 | -421.87         | 4,454.14                        | 9.63                 | 462.302   |  |                    |           |
| 4,000.00                                   | 3,997.27                    | 4,053.54                    | 4,053.01                    | 8.73                | 1.17             | -85.55                      | -4,436.65                                 | -421.55         | 4,451.42                        | 9.88                 | 450.526   |  |                    |           |
| 4,100.00                                   | 4,096.85                    | 4,135.40                    | 4,134.86                    | 8.96                | 1.18             | -85.65                      | -4,435.50                                 | -420.91         | 4,449.23                        | 10.13                | 439.311   |  |                    |           |
| 4,200.00                                   | 4,196.43                    | 4,240.81                    | 4,240.25                    | 9.19                | 1.21             | -85.78                      | -4,434.10                                 | -420.60         | 4,447.20                        | 10.38                | 428.325   |  |                    |           |
| 4,300.00                                   | 4,296.01                    | 4,342.87                    | 4,342.30                    | 9.42                | 1.23             | -85.90                      | -4,432.47                                 | -420.43         | 4,444.92                        | 10.64                | 417.743   |  |                    |           |
| 4,400.00                                   | 4,395.59                    | 4,426.56                    | 4,425.98                    | 9.65                | 1.25             | -86.00                      | -4,431.36                                 | -420.32         | 4,442.93                        | 10.90                | 407.769   |  |                    |           |
| 4,500.00                                   | 4,495.17                    | 4,515.88                    | 4,515.30                    | 9.89                | 1.27             | -86.11                      | -4,430.48                                 | -419.77         | 4,441.26                        | 11.15                | 398.226   |  |                    |           |
| 4,600.00                                   | 4,594.75                    | 4,618.31                    | 4,617.71                    | 10.13               | 1.29             | -86.25                      | -4,429.57                                 | -418.24         | 4,439.66                        | 11.41                | 389.087   |  |                    |           |
| 4,700.00                                   | 4,694.33                    | 4,711.13                    | 4,710.51                    | 10.37               | 1.30             | -86.38                      | -4,428.80                                 | -416.55         | 4,438.12                        | 11.67                | 380.424   |  |                    |           |
| 4,800.00                                   | 4,793.91                    | 4,788.55                    | 4,787.92                    | 10.61               | 1.31             | -86.49                      | -4,428.44                                 | -414.93         | 4,436.94                        | 11.92                | 372.263   |  |                    |           |

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit - 63H - OH - OH |                             |                             |                             |                     |                  |                             |                        |                 |                              |                               |                                 |                      | Offset Site Error: 0.00 usft |  |
|--------------------------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|-----------------------------|------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|----------------------|------------------------------|--|
| Survey Program: 100- VES GyroFlex V2       |                             |                             |                             |                     |                  |                             |                        |                 |                              |                               |                                 |                      | Offset Well Error: 0.00 usft |  |
| Reference                                  |                             | Offset                      |                             | Semi Major Axis     |                  | Highside<br>Toolface<br>(°) | Offset Wellbore Centre |                 | Distance                     |                               | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning                      |  |
| Measured<br>Depth<br>(usft)                | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | +N/-S<br>(usft)        | +E/-W<br>(usft) | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) |                                 |                      |                              |  |
| 4,900.00                                   | 4,893.49                    | 4,869.10                    | 4,868.44                    | 10.85               | 1.32             | -86.61                      | -4,428.46              | -412.80         | 4,436.26                     | 4,424.09                      | 12.17                           | 364.510              |                              |  |
| 5,000.00                                   | 4,993.07                    | 4,963.24                    | 4,962.52                    | 11.09               | 1.33             | -86.77                      | -4,428.84              | -409.60         | 4,435.93                     | 4,423.50                      | 12.42                           | 357.056              |                              |  |
| 5,100.00                                   | 5,092.65                    | 5,077.58                    | 5,076.76                    | 11.34               | 1.35             | -86.96                      | -4,429.19              | -404.90         | 4,435.51                     | 4,422.83                      | 12.68                           | 349.800              |                              |  |
| 5,200.00                                   | 5,192.23                    | 5,190.78                    | 5,189.85                    | 11.58               | 1.36             | -87.16                      | -4,429.11              | -399.93         | 4,434.74                     | 4,421.80                      | 12.94                           | 342.746              |                              |  |
| 5,300.00                                   | 5,291.81                    | 5,296.81                    | 5,295.79                    | 11.83               | 1.38             | -87.34                      | -4,428.79              | -395.58         | 4,433.79                     | 4,420.59                      | 13.20                           | 335.929              |                              |  |
| 5,400.00                                   | 5,391.39                    | 5,367.58                    | 5,366.51                    | 12.08               | 1.39             | -87.46                      | -4,428.72              | -392.97         | 4,433.11                     | 4,419.66                      | 13.45                           | 329.493              |                              |  |
| 5,500.00                                   | 5,490.97                    | 5,465.62                    | 5,464.51                    | 12.33               | 1.41             | -87.61                      | -4,429.09              | -389.97         | 4,432.96                     | 4,419.25                      | 13.71                           | 323.274              |                              |  |
| 5,600.00                                   | 5,590.55                    | 5,566.47                    | 5,565.31                    | 12.58               | 1.42             | -87.77                      | -4,429.24              | -386.93         | 4,432.62                     | 4,418.65                      | 13.97                           | 317.247              |                              |  |
| 5,700.00                                   | 5,690.13                    | 5,661.67                    | 5,660.47                    | 12.83               | 1.44             | -87.92                      | -4,429.49              | -384.07         | 4,432.42                     | 4,418.19                      | 14.23                           | 311.447              |                              |  |
| 5,791.87                                   | 5,781.62                    | 5,747.56                    | 5,746.32                    | 13.06               | 1.45             | -88.05                      | -4,429.77              | -381.64         | 4,432.34                     | 4,417.87                      | 14.47                           | 306.307              |                              |  |
| 5,800.00                                   | 5,789.71                    | 5,754.95                    | 5,753.71                    | 13.08               | 1.45             | -88.06                      | -4,429.80              | -381.43         | 4,432.34                     | 4,417.85                      | 14.49                           | 305.862              |                              |  |
| 5,900.00                                   | 5,889.29                    | 5,854.14                    | 5,852.85                    | 13.33               | 1.47             | -88.22                      | -4,430.28              | -378.40         | 4,432.42                     | 4,417.67                      | 14.75                           | 300.466              |                              |  |
| 6,000.00                                   | 5,988.87                    | 5,963.44                    | 5,962.11                    | 13.58               | 1.49             | -88.39                      | -4,430.63              | -375.33         | 4,432.38                     | 4,417.37                      | 15.01                           | 295.214              |                              |  |
| 6,100.00                                   | 6,088.45                    | 6,096.54                    | 6,095.16                    | 13.84               | 1.52             | -88.59                      | -4,430.46              | -371.71         | 4,431.96                     | 4,416.68                      | 15.28                           | 290.028              |                              |  |
| 6,200.00                                   | 6,188.03                    | 6,166.37                    | 6,164.96                    | 14.09               | 1.53             | -88.70                      | -4,430.28              | -369.69         | 4,431.43                     | 4,415.88                      | 15.54                           | 285.114              |                              |  |
| 6,300.00                                   | 6,287.61                    | 6,280.53                    | 6,279.08                    | 14.34               | 1.56             | -88.88                      | -4,430.46              | -366.51         | 4,431.36                     | 4,415.55                      | 15.81                           | 280.317              |                              |  |
| 6,400.00                                   | 6,387.19                    | 6,929.00                    | 6,914.46                    | 14.60               | 1.77             | -90.62                      | -4,393.91              | -290.04         | 4,428.05                     | 4,411.81                      | 16.24                           | 272.642              |                              |  |
| 6,500.00                                   | 6,486.77                    | 6,929.00                    | 6,914.46                    | 14.85               | 1.77             | -90.62                      | -4,393.91              | -290.04         | 4,416.82                     | 4,400.35                      | 16.46                           | 268.257              |                              |  |
| 6,600.00                                   | 6,586.35                    | 6,929.00                    | 6,914.46                    | 15.11               | 1.77             | -90.62                      | -4,393.91              | -290.04         | 4,407.83                     | 4,391.13                      | 16.70                           | 263.999              |                              |  |
| 6,700.00                                   | 6,685.93                    | 6,929.00                    | 6,914.46                    | 15.37               | 1.77             | -90.62                      | -4,393.91              | -290.04         | 4,401.09                     | 4,384.15                      | 16.94                           | 259.853              |                              |  |
| 6,800.00                                   | 6,785.51                    | 6,929.00                    | 6,914.46                    | 15.62               | 1.77             | -90.62                      | -4,393.91              | -290.04         | 4,396.62                     | 4,379.43                      | 17.19                           | 255.809              |                              |  |
| 6,900.00                                   | 6,885.09                    | 6,929.00                    | 6,914.46                    | 15.88               | 1.77             | -90.62                      | -4,393.91              | -290.04         | 4,394.42                     | 4,376.97                      | 17.45                           | 251.862              |                              |  |
| 6,946.72                                   | 6,931.62                    | 6,929.00                    | 6,914.46                    | 16.00               | 1.77             | -90.62                      | -4,393.91              | -290.04         | 4,394.17                     | 4,376.60                      | 17.57                           | 250.053              |                              |  |
| 7,000.00                                   | 6,984.68                    | 6,929.00                    | 6,914.46                    | 16.14               | 1.77             | -90.62                      | -4,393.91              | -290.04         | 4,394.49                     | 4,376.77                      | 17.72                           | 248.020              |                              |  |
| 7,100.00                                   | 7,084.26                    | 6,929.00                    | 6,914.46                    | 16.40               | 1.77             | -90.62                      | -4,393.91              | -290.04         | 4,396.84                     | 4,378.84                      | 18.00                           | 244.293              |                              |  |
| 7,200.00                                   | 7,183.84                    | 6,929.00                    | 6,914.46                    | 16.66               | 1.77             | -90.62                      | -4,393.91              | -290.04         | 4,401.46                     | 4,383.18                      | 18.29                           | 240.698              |                              |  |
| 7,300.00                                   | 7,283.42                    | 6,929.00                    | 6,914.46                    | 16.91               | 1.77             | -90.62                      | -4,393.91              | -290.04         | 4,408.35                     | 4,389.77                      | 18.58                           | 237.256              |                              |  |
| 7,400.00                                   | 7,383.00                    | 6,929.00                    | 6,914.46                    | 17.17               | 1.77             | -90.62                      | -4,393.91              | -290.04         | 4,417.49                     | 4,398.61                      | 18.88                           | 233.984              |                              |  |
| 7,500.00                                   | 7,482.58                    | 6,929.00                    | 6,914.46                    | 17.43               | 1.77             | -90.62                      | -4,393.91              | -290.04         | 4,428.86                     | 4,409.68                      | 19.18                           | 230.898              |                              |  |
| 7,600.00                                   | 7,582.16                    | 6,929.00                    | 6,914.46                    | 17.69               | 1.77             | -90.62                      | -4,393.91              | -290.04         | 4,442.47                     | 4,422.98                      | 19.48                           | 228.012              |                              |  |
| 7,700.00                                   | 7,681.74                    | 6,929.00                    | 6,914.46                    | 17.95               | 1.77             | -90.62                      | -4,393.91              | -290.04         | 4,458.27                     | 4,438.48                      | 19.79                           | 225.333              |                              |  |
| 7,800.00                                   | 7,781.32                    | 6,929.00                    | 6,914.46                    | 18.21               | 1.77             | -90.62                      | -4,393.91              | -290.04         | 4,476.25                     | 4,456.17                      | 20.08                           | 222.866              |                              |  |
| 7,900.00                                   | 7,880.90                    | 6,929.00                    | 6,914.46                    | 18.47               | 1.77             | -90.62                      | -4,393.91              | -290.04         | 4,496.38                     | 4,476.00                      | 20.38                           | 220.612              |                              |  |
| 8,000.00                                   | 7,980.48                    | 6,929.00                    | 6,914.46                    | 18.73               | 1.77             | -90.62                      | -4,393.91              | -290.04         | 4,518.64                     | 4,497.97                      | 20.67                           | 218.571              |                              |  |
| 8,100.00                                   | 8,080.06                    | 6,929.00                    | 6,914.46                    | 19.00               | 1.77             | -90.62                      | -4,393.91              | -290.04         | 4,542.99                     | 4,522.03                      | 20.96                           | 216.738              |                              |  |
| 8,200.00                                   | 8,179.64                    | 6,929.00                    | 6,914.46                    | 19.26               | 1.77             | -90.62                      | -4,393.91              | -290.04         | 4,569.40                     | 4,548.16                      | 21.24                           | 215.108              |                              |  |
| 8,243.13                                   | 8,222.58                    | 6,929.00                    | 6,914.46                    | 19.37               | 1.77             | -90.62                      | -4,393.91              | -290.04         | 4,581.42                     | 4,560.06                      | 21.36                           | 214.466              |                              |  |
| 8,300.00                                   | 8,279.24                    | 6,929.00                    | 6,914.46                    | 19.50               | 1.77             | -90.79                      | -4,393.91              | -290.04         | 4,597.83                     | 4,576.33                      | 21.50                           | 213.832              |                              |  |
| 8,400.00                                   | 8,378.97                    | 6,929.00                    | 6,914.46                    | 19.70               | 1.77             | -91.11                      | -4,393.91              | -290.04         | 4,628.23                     | 4,606.51                      | 21.71                           | 213.151              |                              |  |
| 8,500.00                                   | 8,478.82                    | 6,929.00                    | 6,914.46                    | 19.89               | 1.77             | -91.45                      | -4,393.91              | -290.04         | 4,660.54                     | 4,638.63                      | 21.91                           | 212.683              |                              |  |
| 8,600.00                                   | 8,578.74                    | 6,929.00                    | 6,914.46                    | 20.08               | 1.77             | -91.81                      | -4,393.91              | -290.04         | 4,694.72                     | 4,672.62                      | 22.10                           | 212.417              |                              |  |
| 8,700.00                                   | 8,678.72                    | 6,929.00                    | 6,914.46                    | 20.26               | 1.77             | -92.20                      | -4,393.91              | -290.04         | 4,730.71                     | 4,708.43                      | 22.28                           | 212.344              |                              |  |
| 8,768.36                                   | 8,747.08                    | 6,929.00                    | 6,914.46                    | 20.38               | 1.77             | 177.52                      | -4,393.91              | -290.04         | 4,756.34                     | 4,733.94                      | 22.39                           | 212.387              |                              |  |
| 8,800.00                                   | 8,778.72                    | 6,929.00                    | 6,914.46                    | 20.44               | 1.77             | 177.52                      | -4,393.91              | -290.04         | 4,768.47                     | 4,746.02                      | 22.45                           | 212.396              |                              |  |
| 8,900.00                                   | 8,878.72                    | 6,929.00                    | 6,914.46                    | 20.64               | 1.77             | 177.52                      | -4,393.91              | -290.04         | 4,808.00                     | 4,785.37                      | 22.64                           | 212.403              |                              |  |
| 9,000.00                                   | 8,978.72                    | 6,929.00                    | 6,914.46                    | 20.84               | 1.77             | 177.52                      | -4,393.91              | -290.04         | 4,849.27                     | 4,826.45                      | 22.82                           | 212.526              |                              |  |
| 9,068.36                                   | 9,047.08                    | 6,929.00                    | 6,914.46                    | 20.97               | 1.77             | 177.52                      | -4,393.91              | -290.04         | 4,878.46                     | 4,855.52                      | 22.94                           | 212.675              |                              |  |
| 9,100.00                                   | 9,078.70                    | 6,929.00                    | 6,914.46                    | 21.03               | 1.77             | -2.01                       | -4,393.91              | -290.04         | 4,891.45                     | 4,868.46                      | 22.99                           | 212.781              |                              |  |
| 9,150.00                                   | 9,128.44                    | 6,929.00                    | 6,914.46                    | 21.12               | 1.77             | -1.94                       | -4,393.91              | -290.04         | 4,909.03                     | 4,885.97                      | 23.06                           | 212.889              |                              |  |
| 9,200.00                                   | 9,177.57                    | 6,929.00                    | 6,914.46                    | 21.21               | 1.77             | -1.90                       | -4,393.91              | -290.04         | 4,922.93                     | 4,899.80                      | 23.13                           | 212.850              |                              |  |
| 9,250.00                                   | 9,225.69                    | 6,929.00                    | 6,914.46                    | 21.30               | 1.77             | -1.86                       | -4,393.91              | -290.04         | 4,933.08                     | 4,909.88                      | 23.20                           | 212.658              |                              |  |
| 9,300.00                                   | 9,272.46                    | 6,929.00                    | 6,914.46                    | 21.40               | 1.77             | -1.84                       | -4,393.91              | -290.04         | 4,939.42                     | 4,916.16                      | 23.26                           | 212.317              |                              |  |

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit - 63H - OH - OH |                       |                       |                       |                  |               |                       |                        |              |                        |                         |                           |                   | Offset Site Error: 0.00 usft |  |
|--------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|------------------------------|--|
| Survey Program: 100- VES GyroFlex V2       |                       |                       |                       |                  |               |                       |                        |              |                        |                         |                           |                   | Offset Well Error: 0.00 usft |  |
| Reference                                  |                       | Offset                |                       | Semi Major Axis  |               | Highside Toolface (") | Offset Wellbore Centre |              | Distance               |                         | Minimum Separation (usft) | Separation Factor | Warning                      |  |
| Measured Depth (usft)                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) |                       | +N/-S (usft)           | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) |                           |                   |                              |  |
| 9,350.00                                   | 9,317.51              | 6,929.00              | 6,914.46              | 21.49            | 1.77          | -1.83                 | -4,393.91              | -290.04      | 4,941.93               | 4,918.60                | 23.33                     | 211.832           |                              |  |
| 9,400.00                                   | 9,360.51              | 6,929.00              | 6,914.46              | 21.59            | 1.77          | -1.84                 | -4,393.91              | -290.04      | 4,940.58               | 4,917.19                | 23.39                     | 211.207           |                              |  |
| 9,450.00                                   | 9,401.12              | 6,929.00              | 6,914.46              | 21.69            | 1.77          | -1.85                 | -4,393.91              | -290.04      | 4,935.38               | 4,911.93                | 23.45                     | 210.445           |                              |  |
| 9,500.00                                   | 9,439.03              | 6,929.00              | 6,914.46              | 21.80            | 1.77          | -1.88                 | -4,393.91              | -290.04      | 4,926.37               | 4,902.86                | 23.51                     | 209.550           |                              |  |
| 9,550.00                                   | 9,473.97              | 6,929.00              | 6,914.46              | 21.91            | 1.77          | -1.93                 | -4,393.91              | -290.04      | 4,913.58               | 4,890.02                | 23.56                     | 208.523           |                              |  |
| 9,600.00                                   | 9,505.65              | 6,929.00              | 6,914.46              | 22.04            | 1.77          | -1.99                 | -4,393.91              | -290.04      | 4,897.10               | 4,873.48                | 23.62                     | 207.370           |                              |  |
| 9,650.00                                   | 9,533.84              | 6,929.00              | 6,914.46              | 22.18            | 1.77          | -2.07                 | -4,393.91              | -290.04      | 4,876.99               | 4,853.33                | 23.66                     | 206.095           |                              |  |
| 9,700.00                                   | 9,558.33              | 6,929.00              | 6,914.46              | 22.35            | 1.77          | -2.16                 | -4,393.91              | -290.04      | 4,853.39               | 4,829.68                | 23.71                     | 204.704           |                              |  |
| 9,750.00                                   | 9,578.93              | 6,929.00              | 6,914.46              | 22.54            | 1.77          | -2.29                 | -4,393.91              | -290.04      | 4,826.40               | 4,802.65                | 23.75                     | 203.205           |                              |  |
| 9,800.00                                   | 9,595.48              | 6,929.00              | 6,914.46              | 22.75            | 1.77          | -2.45                 | -4,393.91              | -290.04      | 4,796.20               | 4,772.41                | 23.79                     | 201.606           |                              |  |
| 9,850.00                                   | 9,607.86              | 6,929.00              | 6,914.46              | 22.99            | 1.77          | -2.64                 | -4,393.91              | -290.04      | 4,762.94               | 4,739.11                | 23.82                     | 199.918           |                              |  |
| 9,900.00                                   | 9,615.96              | 6,929.00              | 6,914.46              | 23.25            | 1.77          | -2.90                 | -4,393.91              | -290.04      | 4,726.81               | 4,702.96                | 23.85                     | 198.152           |                              |  |
| 9,950.00                                   | 9,619.74              | 6,929.00              | 6,914.46              | 23.55            | 1.77          | -3.22                 | -4,393.91              | -290.04      | 4,688.04               | 4,664.16                | 23.88                     | 196.318           |                              |  |
| 9,974.90                                   | 9,620.00              | 6,929.00              | 6,914.46              | 23.70            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 4,667.81               | 4,643.92                | 23.89                     | 195.357           |                              |  |
| 10,000.00                                  | 9,619.71              | 6,929.00              | 6,914.46              | 27.27            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 4,647.15               | 4,617.06                | 30.09                     | 154.443           |                              |  |
| 10,100.00                                  | 9,618.57              | 6,929.00              | 6,914.46              | 27.34            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 4,565.29               | 4,535.18                | 30.10                     | 151.658           |                              |  |
| 10,200.00                                  | 9,617.43              | 6,929.00              | 6,914.46              | 27.41            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 4,484.15               | 4,454.04                | 30.12                     | 148.888           |                              |  |
| 10,300.00                                  | 9,616.29              | 6,929.00              | 6,914.46              | 27.49            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 4,403.80               | 4,373.66                | 30.14                     | 146.134           |                              |  |
| 10,400.00                                  | 9,615.15              | 6,929.00              | 6,914.46              | 27.57            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 4,324.26               | 4,294.11                | 30.16                     | 143.394           |                              |  |
| 10,500.00                                  | 9,614.00              | 6,929.00              | 6,914.46              | 27.66            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 4,245.59               | 4,215.41                | 30.18                     | 140.671           |                              |  |
| 10,600.00                                  | 9,612.86              | 6,929.00              | 6,914.46              | 27.74            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 4,167.83               | 4,137.62                | 30.21                     | 137.962           |                              |  |
| 10,700.00                                  | 9,611.72              | 6,929.00              | 6,914.46              | 27.83            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 4,091.05               | 4,060.80                | 30.24                     | 135.269           |                              |  |
| 10,800.00                                  | 9,610.58              | 6,929.00              | 6,914.46              | 27.92            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 4,015.28               | 3,984.99                | 30.28                     | 132.591           |                              |  |
| 10,900.00                                  | 9,609.44              | 6,929.00              | 6,914.46              | 28.02            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 3,940.59               | 3,910.26                | 30.33                     | 129.929           |                              |  |
| 11,000.00                                  | 9,608.29              | 6,929.00              | 6,914.46              | 28.12            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 3,867.05               | 3,836.67                | 30.38                     | 127.281           |                              |  |
| 11,100.00                                  | 9,607.15              | 6,929.00              | 6,914.46              | 28.22            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 3,794.72               | 3,764.27                | 30.44                     | 124.649           |                              |  |
| 11,200.00                                  | 9,606.01              | 6,929.00              | 6,914.46              | 28.32            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 3,723.66               | 3,693.15                | 30.51                     | 122.032           |                              |  |
| 11,300.00                                  | 9,604.87              | 6,929.00              | 6,914.46              | 28.43            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 3,653.97               | 3,623.37                | 30.59                     | 119.430           |                              |  |
| 11,400.00                                  | 9,603.72              | 6,929.00              | 6,914.46              | 28.55            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 3,585.70               | 3,555.02                | 30.69                     | 116.844           |                              |  |
| 11,500.00                                  | 9,602.58              | 6,929.00              | 6,914.46              | 28.67            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 3,518.96               | 3,488.16                | 30.79                     | 114.273           |                              |  |
| 11,600.00                                  | 9,601.44              | 6,929.00              | 6,914.46              | 28.80            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 3,453.82               | 3,422.91                | 30.92                     | 111.718           |                              |  |
| 11,700.00                                  | 9,600.30              | 6,929.00              | 6,914.46              | 28.93            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 3,390.38               | 3,359.33                | 31.05                     | 109.181           |                              |  |
| 11,800.00                                  | 9,599.16              | 6,929.00              | 6,914.46              | 29.08            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 3,328.74               | 3,297.53                | 31.21                     | 106.661           |                              |  |
| 11,900.00                                  | 9,598.01              | 6,929.00              | 6,914.46              | 29.24            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 3,268.99               | 3,237.60                | 31.38                     | 104.162           |                              |  |
| 12,000.00                                  | 9,596.87              | 6,929.00              | 6,914.46              | 29.42            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 3,211.24               | 3,179.66                | 31.58                     | 101.685           |                              |  |
| 12,100.00                                  | 9,595.73              | 6,929.00              | 6,914.46              | 29.62            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 3,155.61               | 3,123.81                | 31.80                     | 99.233            |                              |  |
| 12,200.00                                  | 9,594.59              | 6,929.00              | 6,914.46              | 29.85            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 3,102.21               | 3,070.16                | 32.04                     | 96.809            |                              |  |
| 12,300.00                                  | 9,593.45              | 6,929.00              | 6,914.46              | 30.10            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 3,051.15               | 3,018.83                | 32.32                     | 94.418            |                              |  |
| 12,400.00                                  | 9,592.30              | 6,929.00              | 6,914.46              | 30.40            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 3,002.55               | 2,969.94                | 32.61                     | 92.065            |                              |  |
| 12,500.00                                  | 9,591.16              | 6,929.00              | 6,914.46              | 30.73            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 2,956.54               | 2,923.60                | 32.94                     | 89.755            |                              |  |
| 12,600.00                                  | 9,590.02              | 6,929.00              | 6,914.46              | 31.09            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 2,913.23               | 2,879.93                | 33.30                     | 87.495            |                              |  |
| 12,700.00                                  | 9,588.88              | 6,929.00              | 6,914.46              | 31.49            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 2,872.75               | 2,839.07                | 33.68                     | 85.293            |                              |  |
| 12,800.00                                  | 9,587.73              | 6,929.00              | 6,914.46              | 31.93            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 2,835.23               | 2,801.13                | 34.10                     | 83.156            |                              |  |
| 12,900.00                                  | 9,586.59              | 6,929.00              | 6,914.46              | 32.38            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 2,800.77               | 2,766.23                | 34.54                     | 81.092            |                              |  |
| 13,000.00                                  | 9,585.45              | 6,929.00              | 6,914.46              | 32.87            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 2,769.50               | 2,734.49                | 35.01                     | 79.111            |                              |  |
| 13,100.00                                  | 9,584.31              | 6,929.00              | 6,914.46              | 33.37            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 2,741.52               | 2,706.01                | 35.50                     | 77.219            |                              |  |
| 13,200.00                                  | 9,583.17              | 6,929.00              | 6,914.46              | 33.88            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 2,716.93               | 2,680.91                | 36.02                     | 75.426            |                              |  |
| 13,300.00                                  | 9,582.02              | 6,929.00              | 6,914.46              | 34.42            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 2,695.83               | 2,659.28                | 36.56                     | 73.740            |                              |  |
| 13,400.00                                  | 9,580.88              | 6,929.00              | 6,914.46              | 34.96            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 2,678.31               | 2,641.19                | 37.11                     | 72.167            |                              |  |
| 13,500.00                                  | 9,579.74              | 6,929.00              | 6,914.46              | 35.52            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 2,664.42               | 2,626.74                | 37.68                     | 70.713            |                              |  |
| 13,600.00                                  | 9,578.60              | 6,929.00              | 6,914.46              | 36.09            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 2,654.23               | 2,615.98                | 38.25                     | 69.385            |                              |  |
| 13,700.00                                  | 9,577.46              | 6,929.00              | 6,914.46              | 36.67            | 1.77          | -3.43                 | -4,393.91              | -290.04      | 2,647.78               | 2,608.95                | 38.83                     | 68.185            |                              |  |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit - 63H - OH - OH |                             |                             |                             |                     |                  |                             |                                           |                 |                                 |                      |         |               | Offset Site Error: | 0.00 usft |
|--------------------------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|-----------------------------|-------------------------------------------|-----------------|---------------------------------|----------------------|---------|---------------|--------------------|-----------|
| Survey Program: 100- VES GyroFlex V2       |                             |                             |                             |                     |                  |                             |                                           |                 |                                 |                      |         |               | Offset Well Error: | 0.00 usft |
| Reference                                  |                             | Offset                      |                             | Semi Major Axis     |                  | Highside<br>Toolface<br>(°) | Distance                                  |                 | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning |               |                    |           |
| Measured<br>Depth<br>(usft)                | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | Offset Wellbore Centre<br>+N/-S<br>(usft) | +E/-W<br>(usft) |                                 |                      |         |               |                    |           |
| 13,800.00                                  | 9,576.31                    | 6,929.00                    | 6,914.46                    | 37.25               | 1.77             | -3.43                       | -4,393.91                                 | -290.04         | 2,645.10                        | 2,605.69             | 39.41   | 67.117        |                    |           |
| 13,820.99                                  | 9,576.07                    | 6,929.00                    | 6,914.46                    | 37.38               | 1.77             | -3.43                       | -4,393.91                                 | -290.04         | 2,645.01                        | 2,605.48             | 39.53   | 66.909 CC, ES |                    |           |
| 13,900.00                                  | 9,575.17                    | 6,929.00                    | 6,914.46                    | 37.84               | 1.77             | -3.43                       | -4,393.91                                 | -290.04         | 2,646.19                        | 2,606.21             | 39.98   | 66.183        |                    |           |
| 14,000.00                                  | 9,574.03                    | 6,929.00                    | 6,914.46                    | 38.45               | 1.77             | -3.43                       | -4,393.91                                 | -290.04         | 2,651.07                        | 2,610.52             | 40.55   | 65.383        |                    |           |
| 14,100.00                                  | 9,572.89                    | 6,929.00                    | 6,914.46                    | 39.05               | 1.77             | -3.43                       | -4,393.91                                 | -290.04         | 2,659.69                        | 2,618.59             | 41.10   | 64.717        |                    |           |
| 14,200.00                                  | 9,571.75                    | 6,929.00                    | 6,914.46                    | 39.67               | 1.77             | -3.43                       | -4,393.91                                 | -290.04         | 2,672.03                        | 2,630.40             | 41.63   | 64.183        |                    |           |
| 14,300.00                                  | 9,570.60                    | 6,929.00                    | 6,914.46                    | 40.29               | 1.77             | -3.43                       | -4,393.91                                 | -290.04         | 2,688.04                        | 2,645.89             | 42.15   | 63.780        |                    |           |
| 14,400.00                                  | 9,569.46                    | 6,929.00                    | 6,914.46                    | 40.91               | 1.77             | -3.43                       | -4,393.91                                 | -290.04         | 2,707.65                        | 2,665.01             | 42.64   | 63.504        |                    |           |
| 14,500.00                                  | 9,568.32                    | 6,929.00                    | 6,914.46                    | 41.54               | 1.77             | -3.43                       | -4,393.91                                 | -290.04         | 2,730.78                        | 2,687.68             | 43.10   | 63.352        |                    |           |
| 14,600.00                                  | 9,567.18                    | 6,929.00                    | 6,914.46                    | 42.18               | 1.77             | -3.43                       | -4,393.91                                 | -290.04         | 2,757.35                        | 2,713.80             | 43.55   | 63.320 SF     |                    |           |
| 14,700.00                                  | 9,566.03                    | 6,929.00                    | 6,914.46                    | 42.82               | 1.77             | -3.43                       | -4,393.91                                 | -290.04         | 2,787.25                        | 2,743.29             | 43.96   | 63.403        |                    |           |
| 14,800.00                                  | 9,564.89                    | 6,929.00                    | 6,914.46                    | 43.46               | 1.77             | -3.43                       | -4,393.91                                 | -290.04         | 2,820.38                        | 2,776.04             | 44.35   | 63.596        |                    |           |
| 14,900.00                                  | 9,563.75                    | 6,929.00                    | 6,914.46                    | 44.11               | 1.77             | -3.43                       | -4,393.91                                 | -290.04         | 2,856.64                        | 2,811.93             | 44.71   | 63.894        |                    |           |
| 15,000.00                                  | 9,562.61                    | 6,929.00                    | 6,914.46                    | 44.76               | 1.77             | -3.43                       | -4,393.91                                 | -290.04         | 2,895.89                        | 2,850.85             | 45.04   | 64.294        |                    |           |
| 15,100.00                                  | 9,561.47                    | 6,929.00                    | 6,914.46                    | 45.42               | 1.77             | -3.43                       | -4,393.91                                 | -290.04         | 2,938.02                        | 2,892.67             | 45.35   | 64.788        |                    |           |
| 15,200.00                                  | 9,560.32                    | 6,929.00                    | 6,914.46                    | 46.08               | 1.77             | -3.43                       | -4,393.91                                 | -290.04         | 2,982.91                        | 2,937.29             | 45.63   | 65.373        |                    |           |
| 15,300.00                                  | 9,559.18                    | 6,929.00                    | 6,914.46                    | 46.74               | 1.77             | -3.43                       | -4,393.91                                 | -290.04         | 3,030.44                        | 2,984.56             | 45.89   | 66.042        |                    |           |
| 15,400.00                                  | 9,558.04                    | 6,929.00                    | 6,914.46                    | 47.41               | 1.77             | -3.43                       | -4,393.91                                 | -290.04         | 3,080.48                        | 3,034.36             | 46.12   | 66.793        |                    |           |
| 15,500.00                                  | 9,556.90                    | 6,929.00                    | 6,914.46                    | 48.08               | 1.77             | -3.43                       | -4,393.91                                 | -290.04         | 3,132.92                        | 3,086.59             | 46.33   | 67.618        |                    |           |
| 15,600.00                                  | 9,555.76                    | 6,929.00                    | 6,914.46                    | 48.75               | 1.77             | -3.43                       | -4,393.91                                 | -290.04         | 3,187.63                        | 3,141.11             | 46.52   | 68.515        |                    |           |
| 15,700.00                                  | 9,554.61                    | 6,929.00                    | 6,914.46                    | 49.43               | 1.77             | -3.43                       | -4,393.91                                 | -290.04         | 3,244.50                        | 3,197.80             | 46.70   | 69.478        |                    |           |
| 15,800.00                                  | 9,553.47                    | 6,929.00                    | 6,914.46                    | 50.10               | 1.77             | -3.43                       | -4,393.91                                 | -290.04         | 3,303.42                        | 3,256.57             | 46.85   | 70.504        |                    |           |
| 15,900.00                                  | 9,552.33                    | 6,929.00                    | 6,914.46                    | 50.79               | 1.77             | -3.43                       | -4,393.91                                 | -290.04         | 3,364.28                        | 3,317.29             | 47.00   | 71.588        |                    |           |
| 16,000.00                                  | 9,551.19                    | 6,929.00                    | 6,914.46                    | 51.47               | 1.77             | -3.43                       | -4,393.91                                 | -290.04         | 3,426.98                        | 3,379.86             | 47.12   | 72.726        |                    |           |
| 16,100.00                                  | 9,550.05                    | 6,929.00                    | 6,914.46                    | 52.15               | 1.77             | -3.43                       | -4,393.91                                 | -290.04         | 3,491.42                        | 3,444.18             | 47.24   | 73.914        |                    |           |
| 16,200.00                                  | 9,548.90                    | 6,929.00                    | 6,914.46                    | 52.84               | 1.77             | -3.43                       | -4,393.91                                 | -290.04         | 3,557.50                        | 3,510.16             | 47.34   | 75.150        |                    |           |
| 16,300.00                                  | 9,547.76                    | 6,929.00                    | 6,914.46                    | 53.53               | 1.77             | -3.43                       | -4,393.91                                 | -290.04         | 3,625.14                        | 3,577.71             | 47.43   | 76.430        |                    |           |
| 16,400.00                                  | 9,546.62                    | 6,929.00                    | 6,914.46                    | 54.22               | 1.77             | -3.43                       | -4,393.91                                 | -290.04         | 3,694.24                        | 3,646.73             | 47.51   | 77.750        |                    |           |
| 16,500.00                                  | 9,545.48                    | 6,929.00                    | 6,914.46                    | 54.92               | 1.77             | -3.43                       | -4,393.91                                 | -290.04         | 3,764.73                        | 3,717.14             | 47.59   | 79.108        |                    |           |
| 16,600.00                                  | 9,544.33                    | 6,929.00                    | 6,914.46                    | 55.61               | 1.77             | -3.43                       | -4,393.91                                 | -290.04         | 3,836.54                        | 3,788.88             | 47.66   | 80.501        |                    |           |
| 16,700.00                                  | 9,543.19                    | 6,929.00                    | 6,914.46                    | 56.31               | 1.77             | -3.43                       | -4,393.91                                 | -290.04         | 3,909.58                        | 3,861.86             | 47.72   | 81.927        |                    |           |
| 16,800.00                                  | 9,542.05                    | 6,929.00                    | 6,914.46                    | 57.01               | 1.77             | -3.43                       | -4,393.91                                 | -290.04         | 3,983.80                        | 3,936.02             | 47.78   | 83.382        |                    |           |
| 16,900.00                                  | 9,540.91                    | 6,929.00                    | 6,914.46                    | 57.71               | 1.77             | -3.43                       | -4,393.91                                 | -290.04         | 4,059.12                        | 4,011.29             | 47.83   | 84.865        |                    |           |
| 16,979.53                                  | 9,540.00                    | 6,929.00                    | 6,914.46                    | 58.27               | 1.77             | -3.43                       | -4,393.91                                 | -290.04         | 4,119.77                        | 4,071.90             | 47.87   | 86.063        |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit - 63H - ST 1 - ST 1                                             |                       |                       |                       |                  |               |                       |                                     |                   |                        |                         |                           |                   | Offset Site Error: | 0.00 usft |
|--------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|-------------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 100- VES GyroFlex V2, 6733- VES GyroFlex V2, 10621-LEAM_MWD, 14962-Project |                       |                       |                       |                  |               |                       |                                     |                   |                        |                         |                           |                   | Offset Well Error: | 0.00 usft |
| Reference                                                                                  | Offset                | Semi Major Axis       |                       | Distance         |               | Minimum Separation    |                                     | Separation Factor |                        | Warning                 |                           |                   |                    |           |
| Measured Depth (usft)                                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft)      | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |           |
| 0.00                                                                                       | 0.00                  | 0.00                  | 0.00                  | 0.00             | 0.00          | -174.74               | -4,454.68                           | -410.14           | 4,473.57               |                         |                           |                   |                    |           |
| 100.00                                                                                     | 100.00                | 64.42                 | 64.42                 | 0.09             | 0.04          | -174.74               | -4,454.78                           | -410.15           | 4,473.64               | 4,473.51                | 0.13                      | N/A               |                    |           |
| 200.00                                                                                     | 200.00                | 153.08                | 153.08                | 0.31             | 0.13          | -174.74               | -4,455.20                           | -410.19           | 4,474.12               | 4,473.67                | 0.45                      | N/A               |                    |           |
| 300.00                                                                                     | 300.00                | 244.37                | 244.37                | 0.54             | 0.23          | -174.74               | -4,455.79                           | -410.29           | 4,474.77               | 4,474.01                | 0.76                      | 5,865.783         |                    |           |
| 400.00                                                                                     | 400.00                | 340.01                | 340.00                | 0.76             | 0.29          | -174.74               | -4,456.61                           | -410.32           | 4,475.63               | 4,474.57                | 1.05                      | 4,244.014         |                    |           |
| 500.00                                                                                     | 500.00                | 448.60                | 448.59                | 0.99             | 0.36          | -174.74               | -4,457.44                           | -410.55           | 4,476.40               | 4,475.06                | 1.34                      | 3,333.951         |                    |           |
| 600.00                                                                                     | 600.00                | 563.66                | 563.65                | 1.21             | 0.42          | -174.74               | -4,458.03                           | -410.64           | 4,476.93               | 4,475.30                | 1.63                      | 2,751.948         |                    |           |
| 700.00                                                                                     | 700.00                | 678.26                | 678.25                | 1.43             | 0.47          | -174.73               | -4,458.19                           | -410.83           | 4,477.08               | 4,475.18                | 1.90                      | 2,358.708         |                    |           |
| 773.85                                                                                     | 773.85                | 752.37                | 752.35                | 1.60             | 0.49          | -174.73               | -4,458.16                           | -410.98           | 4,477.06               | 4,474.97                | 2.09                      | 2,144.820         |                    |           |
| 800.00                                                                                     | 800.00                | 777.46                | 777.44                | 1.66             | 0.50          | -174.73               | -4,458.15                           | -411.07           | 4,477.07               | 4,474.91                | 2.15                      | 2,078.972         |                    |           |
| 900.00                                                                                     | 900.00                | 879.57                | 879.56                | 1.88             | 0.54          | -174.73               | -4,458.14                           | -411.38           | 4,477.08               | 4,474.67                | 2.41                      | 1,860.393         |                    |           |
| 1,000.00                                                                                   | 1,000.00              | 987.93                | 987.91                | 2.11             | 0.56          | -174.73               | -4,458.02                           | -411.38           | 4,476.97               | 4,474.32                | 2.66                      | 1,685.439         |                    |           |
| 1,100.00                                                                                   | 1,100.00              | 1,100.52              | 1,100.51              | 2.33             | 0.58          | -174.73               | -4,457.67                           | -410.94           | 4,476.63               | 4,473.72                | 2.91                      | 1,540.814         |                    |           |
| 1,200.00                                                                                   | 1,200.00              | 1,210.04              | 1,210.03              | 2.56             | 0.60          | -174.74               | -4,457.07                           | -410.29           | 4,476.02               | 4,472.87                | 3.15                      | 1,419.246         |                    |           |
| 1,300.00                                                                                   | 1,300.00              | 1,312.34              | 1,312.31              | 2.78             | 0.62          | -174.75               | -4,456.38                           | -409.59           | 4,475.29               | 4,471.89                | 3.40                      | 1,316.093         |                    |           |
| 1,400.00                                                                                   | 1,400.00              | 1,413.17              | 1,413.14              | 3.01             | 0.64          | -174.76               | -4,455.65                           | -408.97           | 4,474.51               | 4,470.86                | 3.65                      | 1,226.926         |                    |           |
| 1,500.00                                                                                   | 1,500.00              | 1,505.03              | 1,505.00              | 3.23             | 0.66          | -174.76               | -4,455.06                           | -408.50           | 4,473.83               | 4,469.94                | 3.89                      | 1,149.632         |                    |           |
| 1,600.00                                                                                   | 1,600.00              | 1,603.25              | 1,603.22              | 3.46             | 0.68          | -174.77               | -4,454.56                           | -407.90           | 4,473.26               | 4,469.12                | 4.14                      | 1,080.986         |                    |           |
| 1,700.00                                                                                   | 1,700.00              | 1,730.94              | 1,730.90              | 3.68             | 0.71          | -174.78               | -4,453.74                           | -406.62           | 4,472.57               | 4,468.18                | 4.39                      | 1,018.332         |                    |           |
| 1,800.00                                                                                   | 1,800.00              | 1,877.81              | 1,877.74              | 3.91             | 0.75          | -174.79               | -4,451.02                           | -405.57           | 4,470.56               | 4,465.91                | 4.65                      | 961.030           |                    |           |
| 1,900.00                                                                                   | 1,900.00              | 1,978.97              | 1,978.87              | 4.13             | 0.77          | -174.79               | -4,448.71                           | -405.89           | 4,468.31               | 4,463.41                | 4.90                      | 911.763           |                    |           |
| 2,000.00                                                                                   | 2,000.00              | 2,065.88              | 2,065.75              | 4.36             | 0.79          | -174.77               | -4,446.77                           | -406.67           | 4,466.18               | 4,461.03                | 5.15                      | 867.876           |                    |           |
| 2,100.00                                                                                   | 2,100.00              | 2,143.66              | 2,143.51              | 4.58             | 0.81          | -174.76               | -4,445.30                           | -407.87           | 4,464.45               | 4,459.06                | 5.39                      | 828.484           |                    |           |
| 2,200.00                                                                                   | 2,200.00              | 2,200.00              | 2,199.83              | 4.81             | 0.82          | -174.74               | -4,444.50                           | -408.99           | 4,463.33               | 4,457.71                | 5.63                      | 793.363           |                    |           |
| 2,287.37                                                                                   | 2,287.37              | 2,266.15              | 2,265.96              | 5.00             | 0.83          | -174.72               | -4,444.03                           | -410.51           | 4,462.95               | 4,457.11                | 5.83                      | 764.864           |                    |           |
| 2,300.00                                                                                   | 2,300.00              | 2,273.67              | 2,273.48              | 5.03             | 0.83          | -174.72               | -4,444.02                           | -410.69           | 4,462.95               | 4,457.09                | 5.86                      | 760.977           |                    |           |
| 2,400.00                                                                                   | 2,400.00              | 2,336.81              | 2,336.61              | 5.26             | 0.85          | -174.70               | -4,444.22                           | -412.24           | 4,463.50               | 4,457.40                | 6.10                      | 731.693           |                    |           |
| 2,500.00                                                                                   | 2,500.00              | 2,400.00              | 2,399.77              | 5.48             | 0.86          | -174.68               | -4,444.93                           | -413.58           | 4,464.82               | 4,458.48                | 6.33                      | 704.883           |                    |           |
| 2,600.00                                                                                   | 2,600.00              | 2,487.78              | 2,487.53              | 5.71             | 0.87          | -174.67               | -4,446.44                           | -414.83           | 4,466.68               | 4,460.11                | 6.57                      | 679.832           |                    |           |
| 2,700.00                                                                                   | 2,700.00              | 2,582.89              | 2,582.62              | 5.93             | 0.88          | -174.67               | -4,448.41                           | -415.30           | 4,468.79               | 4,461.98                | 6.81                      | 656.457           |                    |           |
| 2,800.00                                                                                   | 2,800.00              | 2,684.07              | 2,683.78              | 6.15             | 0.90          | -174.67               | -4,450.57                           | -415.47           | 4,470.93               | 4,463.88                | 7.05                      | 634.495           |                    |           |
| 2,900.00                                                                                   | 2,900.00              | 2,800.09              | 2,799.77              | 6.38             | 0.92          | -174.66               | -4,452.76                           | -416.55           | 4,472.89               | 4,465.60                | 7.29                      | 613.622           |                    |           |
| 3,000.00                                                                                   | 3,000.00              | 2,999.53              | 2,999.17              | 6.60             | 0.96          | -174.61               | -4,454.19                           | -420.11           | 4,474.01               | 4,466.46                | 7.55                      | 592.743           |                    |           |
| 3,100.00                                                                                   | 3,099.99              | 3,177.60              | 3,177.19              | 6.81             | 0.99          | -84.61                | -4,451.28                           | -422.66           | 4,472.31               | 4,464.52                | 7.79                      | 574.320           |                    |           |
| 3,200.00                                                                                   | 3,199.96              | 3,261.74              | 3,261.32              | 7.01             | 1.01          | -84.65                | -4,449.44                           | -422.96           | 4,469.94               | 4,461.94                | 8.00                      | 558.697           |                    |           |
| 3,300.00                                                                                   | 3,299.86              | 3,349.72              | 3,349.28              | 7.21             | 1.02          | -84.72                | -4,447.99                           | -423.07           | 4,467.89               | 4,459.68                | 8.22                      | 543.650           |                    |           |
| 3,400.00                                                                                   | 3,399.68              | 3,449.48              | 3,449.03              | 7.42             | 1.04          | -84.82                | -4,446.40                           | -422.89           | 4,465.73               | 4,457.29                | 8.44                      | 528.980           |                    |           |
| 3,500.00                                                                                   | 3,499.37              | 3,542.66              | 3,542.20              | 7.63             | 1.06          | -84.94                | -4,444.98                           | -422.77           | 4,463.49               | 4,454.82                | 8.67                      | 514.829           |                    |           |
| 3,525.23                                                                                   | 3,524.50              | 3,565.16              | 3,564.70              | 7.68             | 1.06          | -84.97                | -4,444.66                           | -422.75           | 4,462.93               | 4,454.20                | 8.73                      | 511.335           |                    |           |
| 3,600.00                                                                                   | 3,598.95              | 3,635.81              | 3,635.34              | 7.84             | 1.08          | -85.05                | -4,443.73                           | -422.67           | 4,461.35               | 4,452.44                | 8.90                      | 501.121           |                    |           |
| 3,700.00                                                                                   | 3,698.53              | 3,745.81              | 3,745.32              | 8.06             | 1.10          | -85.18                | -4,442.27                           | -422.36           | 4,459.21               | 4,450.07                | 9.14                      | 487.726           |                    |           |
| 3,800.00                                                                                   | 3,798.11              | 3,855.87              | 3,855.37              | 8.28             | 1.12          | -85.31                | -4,440.39                           | -422.10           | 4,456.71               | 4,447.33                | 9.39                      | 474.781           |                    |           |
| 3,900.00                                                                                   | 3,897.69              | 3,966.85              | 3,966.33              | 8.50             | 1.15          | -85.44                | -4,438.36                           | -421.87           | 4,454.14               | 4,444.50                | 9.63                      | 462.302           |                    |           |
| 4,000.00                                                                                   | 3,997.27              | 4,053.54              | 4,053.01              | 8.73             | 1.17          | -85.55                | -4,436.65                           | -421.55           | 4,451.42               | 4,441.54                | 9.88                      | 450.526           |                    |           |
| 4,100.00                                                                                   | 4,096.85              | 4,135.40              | 4,134.86              | 8.96             | 1.18          | -85.65                | -4,435.50                           | -420.91           | 4,449.23               | 4,439.10                | 10.13                     | 439.311           |                    |           |
| 4,200.00                                                                                   | 4,196.43              | 4,240.81              | 4,240.25              | 9.19             | 1.21          | -85.78                | -4,434.10                           | -420.60           | 4,447.20               | 4,436.82                | 10.38                     | 428.325           |                    |           |
| 4,300.00                                                                                   | 4,296.01              | 4,342.87              | 4,342.30              | 9.42             | 1.23          | -85.90                | -4,432.47                           | -420.43           | 4,444.92               | 4,434.28                | 10.64                     | 417.743           |                    |           |
| 4,400.00                                                                                   | 4,395.59              | 4,426.56              | 4,425.98              | 9.65             | 1.25          | -86.00                | -4,431.36                           | -420.32           | 4,442.93               | 4,432.03                | 10.90                     | 407.769           |                    |           |
| 4,500.00                                                                                   | 4,495.17              | 4,515.88              | 4,515.30              | 9.89             | 1.27          | -86.11                | -4,430.48                           | -419.77           | 4,441.26               | 4,430.11                | 11.15                     | 398.226           |                    |           |
| 4,600.00                                                                                   | 4,594.75              | 4,618.31              | 4,617.71              | 10.13            | 1.29          | -86.25                | -4,429.57                           | -418.24           | 4,439.66               | 4,428.25                | 11.41                     | 389.087           |                    |           |
| 4,700.00                                                                                   | 4,694.33              | 4,711.13              | 4,710.51              | 10.37            | 1.30          | -86.38                | -4,428.80                           | -416.55           | 4,438.12               | 4,426.45                | 11.67                     | 380.424           |                    |           |
| 4,800.00                                                                                   | 4,793.91              | 4,788.55              | 4,787.92              | 10.61            | 1.31          | -86.49                | -4,428.44                           | -414.93           | 4,436.94               | 4,425.02                | 11.92                     | 372.263           |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit - 63H - ST 1 - ST 1                                             |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.00 usft |
|--------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 100- VES GyroFlex V2, 6733- VES GyroFlex V2, 10621-LEAM_MWD, 14962-Project |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.00 usft |
| Reference                                                                                  | Offset                |                       | Semi Major Axis       |                  | Distance      |                       |                                     |              |                        |                         |                           |                   |                    |           |
| Measured Depth (usft)                                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (") | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning            |           |
| 4,900.00                                                                                   | 4,893.49              | 4,869.10              | 4,868.44              | 10.85            | 1.32          | -86.61                | -4,428.46                           | -412.80      | 4,436.26               | 4,424.09                | 12.17                     | 364.510           |                    |           |
| 5,000.00                                                                                   | 4,993.07              | 4,963.24              | 4,962.52              | 11.09            | 1.33          | -86.77                | -4,428.84                           | -409.60      | 4,435.93               | 4,423.50                | 12.42                     | 357.056           |                    |           |
| 5,100.00                                                                                   | 5,092.65              | 5,077.58              | 5,076.76              | 11.34            | 1.35          | -86.96                | -4,429.19                           | -404.90      | 4,435.51               | 4,422.83                | 12.68                     | 349.800           |                    |           |
| 5,200.00                                                                                   | 5,192.23              | 5,190.78              | 5,189.85              | 11.58            | 1.36          | -87.16                | -4,429.11                           | -399.93      | 4,434.74               | 4,421.80                | 12.94                     | 342.746           |                    |           |
| 5,300.00                                                                                   | 5,291.81              | 5,296.81              | 5,295.79              | 11.83            | 1.38          | -87.34                | -4,428.79                           | -395.58      | 4,433.79               | 4,420.59                | 13.20                     | 335.929           |                    |           |
| 5,400.00                                                                                   | 5,391.39              | 5,367.58              | 5,366.51              | 12.08            | 1.39          | -87.46                | -4,428.72                           | -392.97      | 4,433.11               | 4,419.66                | 13.45                     | 329.493           |                    |           |
| 5,500.00                                                                                   | 5,490.97              | 5,465.62              | 5,464.51              | 12.33            | 1.41          | -87.61                | -4,429.09                           | -389.97      | 4,432.96               | 4,419.25                | 13.71                     | 323.274           |                    |           |
| 5,600.00                                                                                   | 5,590.55              | 5,566.47              | 5,565.31              | 12.58            | 1.42          | -87.77                | -4,429.24                           | -386.93      | 4,432.62               | 4,418.65                | 13.97                     | 317.247           |                    |           |
| 5,700.00                                                                                   | 5,690.13              | 5,661.67              | 5,660.47              | 12.83            | 1.44          | -87.92                | -4,429.49                           | -384.07      | 4,432.42               | 4,418.19                | 14.23                     | 311.447           |                    |           |
| 5,791.87                                                                                   | 5,781.62              | 5,747.56              | 5,746.32              | 13.06            | 1.45          | -88.05                | -4,429.77                           | -381.64      | 4,432.34               | 4,417.87                | 14.47                     | 306.307           |                    |           |
| 5,800.00                                                                                   | 5,789.71              | 5,754.95              | 5,753.71              | 13.08            | 1.45          | -88.06                | -4,429.80                           | -381.43      | 4,432.34               | 4,417.85                | 14.49                     | 305.862           |                    |           |
| 5,900.00                                                                                   | 5,889.29              | 5,854.14              | 5,852.85              | 13.33            | 1.47          | -88.22                | -4,430.28                           | -378.40      | 4,432.42               | 4,417.67                | 14.75                     | 300.466           |                    |           |
| 6,000.00                                                                                   | 5,988.87              | 5,963.44              | 5,962.11              | 13.58            | 1.49          | -88.39                | -4,430.63                           | -375.33      | 4,432.38               | 4,417.37                | 15.01                     | 295.214           |                    |           |
| 6,100.00                                                                                   | 6,088.45              | 6,066.54              | 6,065.16              | 13.84            | 1.52          | -88.59                | -4,430.46                           | -371.71      | 4,431.96               | 4,416.68                | 15.28                     | 290.028           |                    |           |
| 6,200.00                                                                                   | 6,188.03              | 6,166.37              | 6,164.96              | 14.09            | 1.53          | -88.70                | -4,430.28                           | -369.69      | 4,431.43               | 4,415.88                | 15.54                     | 285.114           |                    |           |
| 6,300.00                                                                                   | 6,287.61              | 6,280.53              | 6,279.08              | 14.34            | 1.56          | -88.88                | -4,430.46                           | -366.51      | 4,431.36               | 4,415.55                | 15.81                     | 280.317           |                    |           |
| 6,400.00                                                                                   | 6,387.19              | 6,376.26              | 6,374.77              | 14.60            | 1.58          | -89.02                | -4,430.18                           | -363.88      | 4,430.85               | 4,414.78                | 16.07                     | 275.658           |                    |           |
| 6,500.00                                                                                   | 6,486.77              | 6,462.12              | 6,460.59              | 14.85            | 1.60          | -89.16                | -4,430.17                           | -361.53      | 4,430.65               | 4,414.32                | 16.34                     | 271.190           |                    |           |
| 6,508.64                                                                                   | 6,495.37              | 6,469.50              | 6,467.97              | 14.88            | 1.60          | -89.17                | -4,430.18                           | -361.33      | 4,430.65               | 4,414.29                | 16.36                     | 270.812           |                    |           |
| 6,600.00                                                                                   | 6,586.35              | 6,551.27              | 6,549.71              | 15.11            | 1.61          | -89.29                | -4,430.42                           | -359.24      | 4,430.77               | 4,414.17                | 16.60                     | 266.887           |                    |           |
| 6,700.00                                                                                   | 6,685.93              | 14,962.00             | 11,030.40             | 15.37            | 66.20         | -139.22               | -424.33                             | -221.96      | 4,387.51               | 4,347.56                | 39.95                     | 109.827           |                    |           |
| 6,800.00                                                                                   | 6,785.51              | 14,962.00             | 11,030.40             | 15.62            | 66.20         | -139.22               | -424.33                             | -221.96      | 4,288.64               | 4,248.50                | 40.14                     | 106.829           |                    |           |
| 6,900.00                                                                                   | 6,885.09              | 14,962.00             | 11,030.40             | 15.88            | 66.20         | -139.22               | -424.33                             | -221.96      | 4,189.82               | 4,149.48                | 40.35                     | 103.847           |                    |           |
| 7,000.00                                                                                   | 6,984.68              | 14,962.00             | 11,030.40             | 16.14            | 66.20         | -139.22               | -424.33                             | -221.96      | 4,091.06               | 4,050.51                | 40.55                     | 100.881           |                    |           |
| 7,100.00                                                                                   | 7,084.26              | 14,962.00             | 11,030.40             | 16.40            | 66.20         | -139.22               | -424.33                             | -221.96      | 3,992.36               | 3,951.59                | 40.77                     | 97.931            |                    |           |
| 7,200.00                                                                                   | 7,183.84              | 14,962.00             | 11,030.40             | 16.66            | 66.20         | -139.22               | -424.33                             | -221.96      | 3,893.73               | 3,852.74                | 40.99                     | 94.999            |                    |           |
| 7,300.00                                                                                   | 7,283.42              | 14,962.00             | 11,030.40             | 16.91            | 66.20         | -139.22               | -424.33                             | -221.96      | 3,795.17               | 3,753.95                | 41.21                     | 92.085            |                    |           |
| 7,400.00                                                                                   | 7,383.00              | 14,962.00             | 11,030.40             | 17.17            | 66.20         | -139.22               | -424.33                             | -221.96      | 3,696.68               | 3,655.23                | 41.45                     | 89.189            |                    |           |
| 7,500.00                                                                                   | 7,482.58              | 14,962.00             | 11,030.40             | 17.43            | 66.20         | -139.22               | -424.33                             | -221.96      | 3,598.28               | 3,556.59                | 41.69                     | 86.311            |                    |           |
| 7,600.00                                                                                   | 7,582.16              | 14,962.00             | 11,030.40             | 17.69            | 66.20         | -139.22               | -424.33                             | -221.96      | 3,499.97               | 3,458.03                | 41.94                     | 83.453            |                    |           |
| 7,700.00                                                                                   | 7,681.74              | 14,962.00             | 11,030.40             | 17.95            | 66.20         | -139.22               | -424.33                             | -221.96      | 3,401.76               | 3,359.56                | 42.20                     | 80.615            |                    |           |
| 7,800.00                                                                                   | 7,781.32              | 14,962.00             | 11,030.40             | 18.21            | 66.20         | -139.22               | -424.33                             | -221.96      | 3,303.66               | 3,261.19                | 42.47                     | 77.796            |                    |           |
| 7,900.00                                                                                   | 7,880.90              | 14,962.00             | 11,030.40             | 18.47            | 66.20         | -139.22               | -424.33                             | -221.96      | 3,205.67               | 3,162.93                | 42.74                     | 74.998            |                    |           |
| 8,000.00                                                                                   | 7,980.48              | 14,962.00             | 11,030.40             | 18.73            | 66.20         | -139.22               | -424.33                             | -221.96      | 3,107.81               | 3,064.78                | 43.03                     | 72.221            |                    |           |
| 8,100.00                                                                                   | 8,080.06              | 14,962.00             | 11,030.40             | 19.00            | 66.20         | -139.22               | -424.33                             | -221.96      | 3,010.09               | 2,966.76                | 43.33                     | 69.465            |                    |           |
| 8,200.00                                                                                   | 8,179.64              | 14,962.00             | 11,030.40             | 19.26            | 66.20         | -139.22               | -424.33                             | -221.96      | 2,912.53               | 2,868.88                | 43.65                     | 66.730            |                    |           |
| 8,243.13                                                                                   | 8,222.58              | 14,962.00             | 11,030.40             | 19.37            | 66.20         | -139.22               | -424.33                             | -221.96      | 2,870.51               | 2,826.72                | 43.79                     | 65.557            |                    |           |
| 8,300.00                                                                                   | 8,279.24              | 14,962.00             | 11,030.40             | 19.50            | 66.20         | -137.59               | -424.33                             | -221.96      | 2,815.09               | 2,771.12                | 43.97                     | 64.020            |                    |           |
| 8,400.00                                                                                   | 8,378.97              | 14,962.00             | 11,030.40             | 19.70            | 66.20         | -134.53               | -424.33                             | -221.96      | 2,717.57               | 2,673.27                | 44.30                     | 61.342            |                    |           |
| 8,500.00                                                                                   | 8,478.82              | 14,962.00             | 11,030.40             | 19.89            | 66.20         | -131.24               | -424.33                             | -221.96      | 2,619.95               | 2,575.32                | 44.64                     | 58.694            |                    |           |
| 8,600.00                                                                                   | 8,578.74              | 14,962.00             | 11,030.40             | 20.08            | 66.20         | -127.71               | -424.33                             | -221.96      | 2,522.27               | 2,477.29                | 44.98                     | 56.077            |                    |           |
| 8,700.00                                                                                   | 8,678.72              | 14,962.00             | 11,030.40             | 20.26            | 66.20         | -123.97               | -424.33                             | -221.96      | 2,424.54               | 2,379.21                | 45.33                     | 53.492            |                    |           |
| 8,768.36                                                                                   | 8,747.08              | 14,962.00             | 11,030.40             | 20.38            | 66.20         | 148.70                | -424.33                             | -221.96      | 2,357.71               | 2,312.15                | 45.56                     | 51.745            |                    |           |
| 8,800.00                                                                                   | 8,778.72              | 14,962.00             | 11,030.40             | 20.44            | 66.20         | 148.70                | -424.33                             | -221.96      | 2,326.79               | 2,281.12                | 45.68                     | 50.940            |                    |           |
| 8,900.00                                                                                   | 8,878.72              | 14,962.00             | 11,030.40             | 20.64            | 66.20         | 148.70                | -424.33                             | -221.96      | 2,229.20               | 2,183.15                | 46.04                     | 48.415            |                    |           |
| 9,000.00                                                                                   | 8,978.72              | 14,962.00             | 11,030.40             | 20.84            | 66.20         | 148.70                | -424.33                             | -221.96      | 2,131.83               | 2,085.40                | 46.43                     | 45.916            |                    |           |
| 9,068.36                                                                                   | 9,047.08              | 14,962.00             | 11,030.40             | 20.97            | 66.20         | 148.70                | -424.33                             | -221.96      | 2,065.41               | 2,018.71                | 46.70                     | 44.223            |                    |           |
| 9,100.00                                                                                   | 9,078.70              | 14,962.00             | 11,030.40             | 21.03            | 66.20         | -38.92                | -424.33                             | -221.96      | 2,034.55               | 1,987.71                | 46.83                     | 43.442            |                    |           |
| 9,150.00                                                                                   | 9,128.44              | 14,962.00             | 11,030.40             | 21.12            | 66.20         | -60.72                | -424.33                             | -221.96      | 1,985.29               | 1,938.27                | 47.03                     | 42.217            |                    |           |
| 9,200.00                                                                                   | 9,177.57              | 14,962.00             | 11,030.40             | 21.21            | 66.20         | -95.94                | -424.33                             | -221.96      | 1,935.75               | 1,888.55                | 47.20                     | 41.012            |                    |           |
| 9,250.00                                                                                   | 9,225.69              | 14,962.00             | 11,030.40             | 21.30            | 66.20         | -126.91               | -424.33                             | -221.96      | 1,886.30               | 1,838.95                | 47.35                     | 39.836            |                    |           |
| 9,300.00                                                                                   | 9,272.46              | 14,962.00             | 11,030.40             | 21.40            | 66.20         | -143.98               | -424.33                             | -221.96      | 1,837.33               | 1,789.85                | 47.48                     | 38.698            |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit - 63H - ST 1 - ST 1                                             |                       |                       |                       |           |        |                 |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.00 usft |
|--------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|-----------|--------|-----------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|-----------|
| Survey Program: 100- VES GyroFlex V2, 6733- VES GyroFlex V2, 10621-LEAM_MWD, 14962-Project |                       |                       |                       |           |        |                 |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.00 usft |
| Measured Depth (usft)                                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference | Offset | Semi Major Axis | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  | Warning   |
| 9,350.00                                                                                   | 9,317.51              | 14,962.00             | 11,030.40             | 21.49     | 66.20  | -153.11         | -424.33               | -221.96                             | 1,789.27     | 1,741.69               | 47.58                   | 37.605                    |                    |           |
| 9,400.00                                                                                   | 9,360.51              | 14,962.00             | 11,030.40             | 21.59     | 66.20  | -158.48         | -424.33               | -221.96                             | 1,742.58     | 1,694.92               | 47.65                   | 36.567                    |                    |           |
| 9,450.00                                                                                   | 9,401.12              | 14,962.00             | 11,030.40             | 21.69     | 66.20  | -161.93         | -424.33               | -221.96                             | 1,697.74     | 1,650.04               | 47.70                   | 35.592                    |                    |           |
| 9,500.00                                                                                   | 9,439.03              | 14,962.00             | 11,030.40             | 21.80     | 66.20  | -164.28         | -424.33               | -221.96                             | 1,655.25     | 1,607.53               | 47.71                   | 34.691                    |                    |           |
| 9,550.00                                                                                   | 9,473.97              | 14,962.00             | 11,030.40             | 21.91     | 66.20  | -165.95         | -424.33               | -221.96                             | 1,615.63     | 1,567.94               | 47.70                   | 33.873                    |                    |           |
| 9,600.00                                                                                   | 9,505.65              | 14,962.00             | 11,030.40             | 22.04     | 66.20  | -167.17         | -424.33               | -221.96                             | 1,579.42     | 1,531.77               | 47.65                   | 33.146                    |                    |           |
| 9,650.00                                                                                   | 9,533.84              | 14,962.00             | 11,030.40             | 22.18     | 66.20  | -168.08         | -424.33               | -221.96                             | 1,547.14     | 1,499.57               | 47.57                   | 32.521                    |                    |           |
| 9,700.00                                                                                   | 9,558.33              | 14,962.00             | 11,030.40             | 22.35     | 66.20  | -168.75         | -424.33               | -221.96                             | 1,519.29     | 1,471.82               | 47.47                   | 32.006                    |                    |           |
| 9,750.00                                                                                   | 9,578.93              | 14,962.00             | 11,030.40             | 22.54     | 66.20  | -169.25         | -424.33               | -221.96                             | 1,496.34     | 1,449.00               | 47.34                   | 31.607                    |                    |           |
| 9,800.00                                                                                   | 9,595.48              | 14,947.13             | 11,030.24             | 22.75     | 66.20  | -169.61         | -439.16               | -222.95                             | 1,478.61     | 1,431.31               | 47.30                   | 31.262                    |                    |           |
| 9,850.00                                                                                   | 9,607.86              | 14,898.97             | 11,029.74             | 22.99     | 66.19  | -169.90         | -487.22               | -226.14                             | 1,465.31     | 1,417.84               | 47.47                   | 30.869                    |                    |           |
| 9,900.00                                                                                   | 9,615.96              | 14,850.57             | 11,029.23             | 23.25     | 65.56  | -170.14         | -535.51               | -229.29                             | 1,456.20     | 1,408.92               | 47.28                   | 30.797                    |                    |           |
| 9,950.00                                                                                   | 9,619.74              | 14,801.77             | 11,028.72             | 23.55     | 64.76  | -170.33         | -584.21               | -232.30                             | 1,451.38     | 1,404.37               | 47.01                   | 30.872                    |                    |           |
| 9,974.90                                                                                   | 9,620.00              | 14,794.00             | 11,028.64             | 23.70     | 64.64  | -170.36         | -591.97               | -232.76                             | 1,450.69     | 1,403.68               | 47.01                   | 30.859                    |                    |           |
| 9,986.93                                                                                   | 9,619.86              | 14,773.74             | 11,028.50             | 25.09     | 64.30  | -170.42         | -612.19               | -234.03                             | 1,450.56     | 1,403.69               | 46.86                   | 30.953                    |                    |           |
| 10,000.00                                                                                  | 9,619.71              | 14,764.62             | 11,028.48             | 27.27     | 64.16  | -170.44         | -621.29               | -234.64                             | 1,450.52     | 1,403.74               | 46.78                   | 31.005                    |                    |           |
| 10,006.99                                                                                  | 9,619.63              | 14,759.74             | 11,028.48             | 27.27     | 64.08  | -170.46         | -626.16               | -234.98                             | 1,450.51     | 1,403.76               | 46.76                   | 31.022                    |                    |           |
| 10,100.00                                                                                  | 9,618.57              | 14,690.10             | 11,029.42             | 27.34     | 62.94  | -170.71         | -695.56               | -240.60                             | 1,451.41     | 1,405.08               | 46.33                   | 31.327                    |                    |           |
| 10,200.00                                                                                  | 9,617.43              | 14,571.11             | 11,030.46             | 27.41     | 61.00  | -171.11         | -814.19               | -249.68                             | 1,452.02     | 1,406.75               | 45.28                   | 32.071                    |                    |           |
| 10,300.00                                                                                  | 9,616.29              | 14,488.13             | 11,031.02             | 27.49     | 59.64  | -171.34         | -897.02               | -254.66                             | 1,452.82     | 1,407.98               | 44.84                   | 32.400                    |                    |           |
| 10,400.00                                                                                  | 9,615.15              | 14,416.00             | 11,032.92             | 27.57     | 58.46  | -171.56         | -968.97               | -259.38                             | 1,455.43     | 1,410.81               | 44.62                   | 32.621                    |                    |           |
| 10,500.00                                                                                  | 9,614.00              | 14,305.45             | 11,036.40             | 27.66     | 56.65  | -171.92         | -1,079.19             | -267.15                             | 1,458.57     | 1,414.70               | 43.87                   | 33.246                    |                    |           |
| 10,600.00                                                                                  | 9,612.86              | 14,226.00             | 11,038.72             | 27.74     | 55.35  | -172.14         | -1,158.46             | -271.96                             | 1,461.74     | 1,418.09               | 43.65                   | 33.488                    |                    |           |
| 10,700.00                                                                                  | 9,611.72              | 14,132.00             | 11,042.57             | 27.83     | 53.82  | -172.41         | -1,252.22             | -277.45                             | 1,466.07     | 1,422.80               | 43.27                   | 33.885                    |                    |           |
| 10,800.00                                                                                  | 9,610.58              | 14,038.00             | 11,047.00             | 27.92     | 52.28  | -172.68         | -1,345.95             | -282.94                             | 1,471.02     | 1,428.09               | 42.93                   | 34.266                    |                    |           |
| 10,900.00                                                                                  | 9,609.44              | 13,943.00             | 11,051.48             | 28.02     | 50.72  | -172.92         | -1,440.72             | -287.90                             | 1,476.09     | 1,433.46               | 42.63                   | 34.626                    |                    |           |
| 11,000.00                                                                                  | 9,608.29              | 13,831.49             | 11,056.45             | 28.12     | 48.89  | -173.16         | -1,552.02             | -292.54                             | 1,481.06     | 1,438.91               | 42.16                   | 35.132                    |                    |           |
| 11,100.00                                                                                  | 9,607.15              | 13,713.64             | 11,060.80             | 28.22     | 46.95  | -173.37         | -1,669.72             | -296.57                             | 1,485.44     | 1,443.79               | 41.65                   | 35.663                    |                    |           |
| 11,200.00                                                                                  | 9,606.01              | 13,595.08             | 11,062.69             | 28.32     | 45.00  | -173.54         | -1,788.22             | -299.65                             | 1,487.70     | 1,446.50               | 41.19                   | 36.114                    |                    |           |
| 11,300.00                                                                                  | 9,604.87              | 13,506.21             | 11,064.11             | 28.43     | 43.53  | -173.64         | -1,877.06             | -301.36                             | 1,490.14     | 1,448.98               | 41.16                   | 36.206                    |                    |           |
| 11,400.00                                                                                  | 9,603.72              | 13,413.63             | 11,066.34             | 28.55     | 42.00  | -173.74         | -1,969.60             | -303.02                             | 1,493.38     | 1,452.28               | 41.10                   | 36.332                    |                    |           |
| 11,500.00                                                                                  | 9,602.58              | 13,282.00             | 11,068.69             | 28.67     | 39.83  | -173.90         | -2,101.18             | -305.86                             | 1,496.07     | 1,455.46               | 40.61                   | 36.841                    |                    |           |
| 11,600.00                                                                                  | 9,601.44              | 13,197.08             | 11,069.45             | 28.80     | 38.44  | -174.01         | -2,186.07             | -307.82                             | 1,497.79     | 1,457.08               | 40.71                   | 36.794                    |                    |           |
| 11,700.00                                                                                  | 9,600.30              | 13,104.13             | 11,071.04             | 28.93     | 36.90  | -174.11         | -2,278.99             | -309.54                             | 1,500.35     | 1,459.61               | 40.74                   | 36.829                    |                    |           |
| 11,800.00                                                                                  | 9,599.16              | 13,024.07             | 11,072.99             | 29.08     | 35.58  | -174.18         | -2,359.02             | -310.53                             | 1,503.72     | 1,462.78               | 40.94                   | 36.729                    |                    |           |
| 11,900.00                                                                                  | 9,598.01              | 12,928.77             | 11,076.22             | 29.24     | 34.01  | -174.23         | -2,454.26             | -310.74                             | 1,508.13     | 1,467.13               | 41.00                   | 36.783                    |                    |           |
| 12,000.00                                                                                  | 9,596.87              | 12,796.65             | 11,079.43             | 29.42     | 31.83  | -174.34         | -2,586.33             | -312.04                             | 1,511.53     | 1,470.83               | 40.70                   | 37.141                    |                    |           |
| 12,100.00                                                                                  | 9,595.73              | 12,694.35             | 11,080.84             | 29.62     | 30.15  | -174.46         | -2,688.59             | -314.25                             | 1,513.76     | 1,473.02               | 40.74                   | 37.158                    |                    |           |
| 12,200.00                                                                                  | 9,594.59              | 12,595.57             | 11,081.91             | 29.85     | 28.53  | -174.58         | -2,787.34             | -316.72                             | 1,515.67     | 1,474.83               | 40.84                   | 37.108                    |                    |           |
| 12,300.00                                                                                  | 9,593.45              | 12,527.00             | 11,083.28             | 30.10     | 27.40  | -174.67         | -2,855.88             | -318.21                             | 1,518.64     | 1,477.37               | 41.27                   | 36.802                    |                    |           |
| 12,400.00                                                                                  | 9,592.30              | 9,541.79              | 9,539.41              | 30.40     | 4.78   | -82.19          | -4,484.55             | -341.78                             | 1,485.09     | 1,451.04               | 34.05                   | 43.619                    |                    |           |
| 12,500.00                                                                                  | 9,591.16              | 9,542.76              | 9,540.37              | 30.73     | 4.78   | -82.71          | -4,484.57             | -341.79                             | 1,385.37     | 1,351.20               | 34.16                   | 40.550                    |                    |           |
| 12,600.00                                                                                  | 9,590.02              | 9,543.73              | 9,541.35              | 31.09     | 4.79   | -83.23          | -4,484.59             | -341.79                             | 1,285.68     | 1,251.40               | 34.29                   | 37.500                    |                    |           |
| 12,700.00                                                                                  | 9,588.88              | 9,544.72              | 9,542.33              | 31.49     | 4.79   | -83.76          | -4,484.61             | -341.80                             | 1,186.06     | 1,151.65               | 34.41                   | 34.468                    |                    |           |
| 12,800.00                                                                                  | 9,587.73              | 9,545.71              | 9,543.32              | 31.93     | 4.79   | -84.29          | -4,484.63             | -341.80                             | 1,086.49     | 1,051.95               | 34.54                   | 31.455                    |                    |           |
| 12,900.00                                                                                  | 9,586.59              | 9,546.70              | 9,544.32              | 32.38     | 4.79   | -84.82          | -4,484.66             | -341.81                             | 987.02       | 952.34                 | 34.68                   | 28.461                    |                    |           |
| 13,000.00                                                                                  | 9,585.45              | 9,547.71              | 9,545.33              | 32.87     | 4.79   | -85.37          | -4,484.68             | -341.81                             | 887.66       | 852.84                 | 34.83                   | 25.488                    |                    |           |
| 13,100.00                                                                                  | 9,584.31              | 9,548.72              | 9,546.34              | 33.37     | 4.79   | -85.91          | -4,484.70             | -341.82                             | 788.47       | 753.48                 | 34.99                   | 22.536                    |                    |           |
| 13,200.00                                                                                  | 9,583.17              | 9,549.75              | 9,547.36              | 33.88     | 4.79   | -86.46          | -4,484.72             | -341.83                             | 689.50       | 654.34                 | 35.17                   | 19.606                    |                    |           |
| 13,300.00                                                                                  | 9,582.02              | 9,550.78              | 9,548.39              | 34.42     | 4.79   | -87.02          | -4,484.75             | -341.83                             | 590.89       | 555.51                 | 35.38                   | 16.702                    |                    |           |
| 13,400.00                                                                                  | 9,580.88              | 9,551.81              | 9,549.43              | 34.96     | 4.80   | -87.58          | -4,484.77             | -341.84                             | 492.82       | 457.18                 | 35.64                   | 13.828                    |                    |           |
| 13,500.00                                                                                  | 9,579.74              | 9,552.86              | 9,550.47              | 35.52     | 4.80   | -88.15          | -4,484.79             | -341.84                             | 395.73       | 359.73                 | 36.00                   | 10.994                    |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit - 63H - ST 1 - ST 1                                             |                             |                             |                             |           |        |                 |                             |                                           |                 |                                          |                               |                                 | Offset Site Error:   | 0.00 usft |
|--------------------------------------------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------|--------|-----------------|-----------------------------|-------------------------------------------|-----------------|------------------------------------------|-------------------------------|---------------------------------|----------------------|-----------|
| Survey Program: 100- VES GyroFlex V2, 6733- VES GyroFlex V2, 10621-LEAM_MWD, 14962-Project |                             |                             |                             |           |        |                 |                             |                                           |                 |                                          |                               |                                 | Offset Well Error:   | 0.00 usft |
| Measured<br>Depth<br>(usft)                                                                | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference | Offset | Semi Major Axis | Highside<br>Toolface<br>(°) | Offset Wellbore Centre<br>+N/-S<br>(usft) | +E/-W<br>(usft) | Distance<br>Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning   |
| 13,600.00                                                                                  | 9,578.60                    | 9,553.91                    | 9,551.53                    | 36.09     | 4.80   | -88.72          | -4,484.81                   | -341.85                                   | 300.54          | 263.99                                   | 36.55                         | 8.223                           |                      |           |
| 13,700.00                                                                                  | 9,577.46                    | 9,554.98                    | 9,552.59                    | 36.67     | 4.80   | -89.30          | -4,484.84                   | -341.86                                   | 209.88          | 172.31                                   | 37.57                         | 5.586                           |                      |           |
| 13,800.00                                                                                  | 9,576.31                    | 9,556.05                    | 9,553.66                    | 37.25     | 4.80   | -89.88          | -4,484.86                   | -341.86                                   | 133.29          | 93.78                                    | 39.52                         | 3.373                           |                      |           |
| 13,881.42                                                                                  | 9,575.38                    | 9,556.92                    | 9,554.54                    | 37.73     | 4.80   | -90.35          | -4,484.88                   | -341.87                                   | 105.54          | 65.88                                    | 39.66                         | 2.661                           | CC, ES, SF           |           |
| 13,900.00                                                                                  | 9,575.17                    | 9,557.13                    | 9,554.74                    | 37.84     | 4.80   | -90.46          | -4,484.89                   | -341.87                                   | 107.17          | 68.04                                    | 39.13                         | 2.739                           |                      |           |
| 14,000.00                                                                                  | 9,574.03                    | 9,558.21                    | 9,555.83                    | 38.45     | 4.80   | -91.05          | -4,484.91                   | -341.88                                   | 158.74          | 122.05                                   | 36.69                         | 4.326                           |                      |           |
| 14,100.00                                                                                  | 9,572.89                    | 9,559.31                    | 9,556.92                    | 39.05     | 4.81   | -91.65          | -4,484.93                   | -341.88                                   | 242.72          | 206.88                                   | 35.84                         | 6.773                           |                      |           |
| 14,200.00                                                                                  | 9,571.75                    | 9,560.42                    | 9,558.03                    | 39.67     | 4.81   | -92.25          | -4,484.96                   | -341.89                                   | 335.59          | 299.91                                   | 35.68                         | 9.405                           |                      |           |
| 14,300.00                                                                                  | 9,570.60                    | 9,561.53                    | 9,559.14                    | 40.29     | 4.81   | -92.85          | -4,484.98                   | -341.90                                   | 431.66          | 395.94                                   | 35.72                         | 12.084                          |                      |           |
| 14,400.00                                                                                  | 9,569.46                    | 9,562.65                    | 9,560.27                    | 40.91     | 4.81   | -93.46          | -4,485.01                   | -341.90                                   | 529.18          | 493.37                                   | 35.82                         | 14.774                          |                      |           |
| 14,500.00                                                                                  | 9,568.32                    | 9,563.79                    | 9,561.40                    | 41.54     | 4.81   | -94.08          | -4,485.04                   | -341.91                                   | 627.49          | 591.55                                   | 35.94                         | 17.460                          |                      |           |
| 14,600.00                                                                                  | 9,567.18                    | 9,564.93                    | 9,562.54                    | 42.18     | 4.81   | -94.69          | -4,485.06                   | -341.92                                   | 726.25          | 690.19                                   | 36.06                         | 20.138                          |                      |           |
| 14,700.00                                                                                  | 9,566.03                    | 9,566.08                    | 9,563.69                    | 42.82     | 4.81   | -95.31          | -4,485.09                   | -341.93                                   | 825.31          | 789.12                                   | 36.19                         | 22.803                          |                      |           |
| 14,800.00                                                                                  | 9,564.89                    | 9,567.24                    | 9,564.85                    | 43.46     | 4.82   | -95.94          | -4,485.11                   | -341.93                                   | 924.57          | 888.25                                   | 36.32                         | 25.454                          |                      |           |
| 14,900.00                                                                                  | 9,563.75                    | 9,568.41                    | 9,566.03                    | 44.11     | 4.82   | -96.57          | -4,485.14                   | -341.94                                   | 1,023.98        | 987.52                                   | 36.45                         | 28.091                          |                      |           |
| 15,000.00                                                                                  | 9,562.61                    | 9,569.60                    | 9,567.21                    | 44.76     | 4.82   | -97.20          | -4,485.17                   | -341.95                                   | 1,123.48        | 1,086.90                                 | 36.58                         | 30.712                          |                      |           |
| 15,100.00                                                                                  | 9,561.47                    | 9,570.79                    | 9,568.40                    | 45.42     | 4.82   | -97.84          | -4,485.19                   | -341.96                                   | 1,223.07        | 1,186.36                                 | 36.71                         | 33.316                          |                      |           |
| 15,200.00                                                                                  | 9,560.32                    | 9,571.99                    | 9,569.60                    | 46.08     | 4.82   | -98.48          | -4,485.22                   | -341.96                                   | 1,322.72        | 1,285.88                                 | 36.84                         | 35.905                          |                      |           |
| 15,300.00                                                                                  | 9,559.18                    | 9,573.20                    | 9,570.81                    | 46.74     | 4.82   | -99.12          | -4,485.25                   | -341.97                                   | 1,422.42        | 1,385.45                                 | 36.97                         | 38.476                          |                      |           |
| 15,400.00                                                                                  | 9,558.04                    | 9,574.42                    | 9,572.03                    | 47.41     | 4.82   | -99.77          | -4,485.28                   | -341.98                                   | 1,522.15        | 1,485.06                                 | 37.10                         | 41.032                          |                      |           |
| 15,500.00                                                                                  | 9,556.90                    | 9,575.65                    | 9,573.26                    | 48.08     | 4.83   | -100.42         | -4,485.31                   | -341.99                                   | 1,621.92        | 1,584.69                                 | 37.23                         | 43.570                          |                      |           |
| 15,600.00                                                                                  | 9,555.76                    | 9,576.89                    | 9,574.50                    | 48.75     | 4.83   | -101.07         | -4,485.33                   | -342.00                                   | 1,721.71        | 1,684.36                                 | 37.35                         | 46.092                          |                      |           |
| 15,700.00                                                                                  | 9,554.61                    | 9,578.15                    | 9,575.76                    | 49.43     | 4.83   | -101.72         | -4,485.36                   | -342.00                                   | 1,821.53        | 1,784.05                                 | 37.48                         | 48.596                          |                      |           |
| 15,800.00                                                                                  | 9,553.47                    | 9,579.41                    | 9,577.02                    | 50.10     | 4.83   | -102.38         | -4,485.39                   | -342.01                                   | 1,921.36        | 1,883.75                                 | 37.61                         | 51.084                          |                      |           |
| 15,900.00                                                                                  | 9,552.33                    | 9,580.69                    | 9,578.29                    | 50.79     | 4.83   | -103.04         | -4,485.42                   | -342.02                                   | 2,021.21        | 1,983.47                                 | 37.74                         | 53.555                          |                      |           |
| 16,000.00                                                                                  | 9,551.19                    | 9,581.97                    | 9,579.58                    | 51.47     | 4.83   | -103.71         | -4,485.45                   | -342.03                                   | 2,121.08        | 2,083.21                                 | 37.87                         | 56.010                          |                      |           |
| 16,100.00                                                                                  | 9,550.05                    | 9,583.27                    | 9,580.88                    | 52.15     | 4.84   | -104.37         | -4,485.48                   | -342.04                                   | 2,220.95        | 2,182.95                                 | 38.00                         | 58.447                          |                      |           |
| 16,200.00                                                                                  | 9,548.90                    | 9,584.58                    | 9,582.18                    | 52.84     | 4.84   | -105.04         | -4,485.51                   | -342.05                                   | 2,320.84        | 2,282.71                                 | 38.13                         | 60.868                          |                      |           |
| 16,300.00                                                                                  | 9,547.76                    | 9,585.90                    | 9,583.50                    | 53.53     | 4.84   | -105.71         | -4,485.54                   | -342.06                                   | 2,420.73        | 2,382.47                                 | 38.26                         | 63.273                          |                      |           |
| 16,400.00                                                                                  | 9,546.62                    | 9,587.23                    | 9,584.84                    | 54.22     | 4.84   | -106.38         | -4,485.57                   | -342.07                                   | 2,520.63        | 2,482.24                                 | 38.39                         | 65.660                          |                      |           |
| 16,500.00                                                                                  | 9,545.48                    | 9,588.58                    | 9,586.18                    | 54.92     | 4.84   | -107.05         | -4,485.61                   | -342.08                                   | 2,620.54        | 2,582.02                                 | 38.52                         | 68.032                          |                      |           |
| 16,600.00                                                                                  | 9,544.33                    | 9,589.93                    | 9,587.54                    | 55.61     | 4.84   | -107.72         | -4,485.64                   | -342.09                                   | 2,720.45        | 2,681.80                                 | 38.65                         | 70.386                          |                      |           |
| 16,700.00                                                                                  | 9,543.19                    | 9,591.30                    | 9,588.90                    | 56.31     | 4.85   | -108.40         | -4,485.67                   | -342.10                                   | 2,820.37        | 2,781.59                                 | 38.78                         | 72.725                          |                      |           |
| 16,800.00                                                                                  | 9,542.05                    | 9,592.68                    | 9,590.28                    | 57.01     | 4.85   | -109.07         | -4,485.70                   | -342.11                                   | 2,920.30        | 2,881.39                                 | 38.91                         | 75.047                          |                      |           |
| 16,900.00                                                                                  | 9,540.91                    | 9,594.07                    | 9,591.68                    | 57.71     | 4.85   | -109.75         | -4,485.74                   | -342.12                                   | 3,020.23        | 2,981.18                                 | 39.04                         | 77.353                          |                      |           |
| 16,979.53                                                                                  | 9,540.00                    | 9,595.19                    | 9,592.79                    | 58.27     | 4.85   | -110.29         | -4,485.76                   | -342.13                                   | 3,099.70        | 3,060.55                                 | 39.15                         | 79.175                          |                      |           |

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit - 64H - OH - OH                         |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.00 usft |
|--------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 62-ISCWSA-GYRO-3, 1483-LEAM MWD-ADJ, 15937-Project |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.00 usft |
| Reference                                                          | Offset                | Semi Major Axis       |                       | Distance         |               | Minimum               |                                     | Separation   |                        | Warning                 |                           |                   |                    |           |
| Measured Depth (usft)                                              | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |           |
| 0.00                                                               | 0.00                  | 0.00                  | 0.00                  | 0.00             | 0.00          | -175.38               | -4,454.40                           | -360.21      | 4,468.99               |                         |                           |                   |                    |           |
| 100.00                                                             | 100.00                | 90.85                 | 90.85                 | 0.09             | 0.09          | -175.37               | -4,454.23                           | -360.39      | 4,468.80               | 4,468.63                | 0.17                      | N/A               |                    |           |
| 200.00                                                             | 200.00                | 193.61                | 193.60                | 0.31             | 0.27          | -175.37               | -4,453.89                           | -360.82      | 4,468.51               | 4,467.93                | 0.57                      | 7,787.620         |                    |           |
| 300.00                                                             | 300.00                | 297.99                | 297.98                | 0.54             | 0.45          | -175.36               | -4,453.45                           | -361.38      | 4,468.13               | 4,467.15                | 0.98                      | 4,553.863         |                    |           |
| 400.00                                                             | 400.00                | 402.12                | 402.12                | 0.76             | 0.63          | -175.35               | -4,452.90                           | -362.03      | 4,467.65               | 4,466.26                | 1.39                      | 3,218.147         |                    |           |
| 500.00                                                             | 500.00                | 502.85                | 502.84                | 0.99             | 0.81          | -175.34               | -4,452.29                           | -362.79      | 4,467.11               | 4,465.32                | 1.79                      | 2,496.710         |                    |           |
| 600.00                                                             | 600.00                | 601.73                | 601.71                | 1.21             | 0.98          | -175.33               | -4,451.69                           | -363.76      | 4,466.58               | 4,464.39                | 2.19                      | 2,042.495         |                    |           |
| 700.00                                                             | 700.00                | 688.52                | 688.49                | 1.43             | 1.13          | -175.32               | -4,451.25                           | -364.75      | 4,466.18               | 4,463.62                | 2.56                      | 1,742.597         |                    |           |
| 768.16                                                             | 768.16                | 746.99                | 746.96                | 1.59             | 1.23          | -175.31               | -4,451.13                           | -365.51      | 4,466.12               | 4,463.30                | 2.82                      | 1,584.715         |                    |           |
| 800.00                                                             | 800.00                | 776.12                | 776.09                | 1.66             | 1.29          | -175.30               | -4,451.11                           | -365.92      | 4,466.13               | 4,463.19                | 2.94                      | 1,518.748         |                    |           |
| 900.00                                                             | 900.00                | 869.17                | 869.12                | 1.88             | 1.45          | -175.28               | -4,451.13                           | -367.39      | 4,466.27               | 4,462.94                | 3.33                      | 1,342.119         |                    |           |
| 1,000.00                                                           | 1,000.00              | 966.82                | 966.77                | 2.11             | 1.62          | -175.26               | -4,451.26                           | -368.91      | 4,466.53               | 4,462.81                | 3.72                      | 1,199.782         |                    |           |
| 1,100.00                                                           | 1,100.00              | 1,065.89              | 1,065.82              | 2.33             | 1.79          | -175.24               | -4,451.40                           | -370.42      | 4,466.81               | 4,462.69                | 4.12                      | 1,084.110         |                    |           |
| 1,200.00                                                           | 1,200.00              | 1,165.82              | 1,165.74              | 2.56             | 1.97          | -175.22               | -4,451.58                           | -371.93      | 4,467.10               | 4,462.59                | 4.52                      | 988.460           |                    |           |
| 1,300.00                                                           | 1,300.00              | 1,267.83              | 1,267.73              | 2.78             | 2.15          | -175.20               | -4,451.73                           | -373.46      | 4,467.38               | 4,462.46                | 4.92                      | 907.650           |                    |           |
| 1,400.00                                                           | 1,400.00              | 1,378.70              | 1,378.59              | 3.01             | 2.29          | -175.19               | -4,451.79                           | -374.96      | 4,467.55               | 4,462.26                | 5.29                      | 844.055           |                    |           |
| 1,500.00                                                           | 1,500.00              | 1,491.72              | 1,491.61              | 3.23             | 2.39          | -175.17               | -4,451.47                           | -376.02      | 4,467.35               | 4,461.73                | 5.61                      | 795.636           |                    |           |
| 1,535.09                                                           | 1,535.09              | 1,514.00              | 1,513.89              | 3.31             | 2.40          | -175.17               | -4,451.42                           | -376.18      | 4,467.29               | 4,461.59                | 5.70                      | 784.040           |                    |           |
| 1,600.00                                                           | 1,600.00              | 1,546.00              | 1,545.89              | 3.46             | 2.40          | -175.17               | -4,451.58                           | -376.20      | 4,467.57               | 4,461.72                | 5.85                      | 763.514           |                    |           |
| 1,700.00                                                           | 1,700.00              | 1,577.00              | 1,576.88              | 3.68             | 2.41          | -175.18               | -4,452.13                           | -375.81      | 4,469.12               | 4,463.04                | 6.09                      | 734.365           |                    |           |
| 1,800.00                                                           | 1,800.00              | 1,628.74              | 1,628.57              | 3.91             | 2.44          | -175.20               | -4,453.74                           | -374.08      | 4,471.95               | 4,465.62                | 6.33                      | 706.343           |                    |           |
| 1,900.00                                                           | 1,900.00              | 1,679.66              | 1,679.34              | 4.13             | 2.47          | -175.24               | -4,456.00                           | -371.00      | 4,475.86               | 4,469.28                | 6.58                      | 680.031           |                    |           |
| 2,000.00                                                           | 2,000.00              | 1,734.00              | 1,733.48              | 4.36             | 2.50          | -175.29               | -4,458.95                           | -367.40      | 4,480.78               | 4,473.94                | 6.84                      | 655.190           |                    |           |
| 2,100.00                                                           | 2,100.00              | 1,960.50              | 1,958.05              | 4.58             | 2.76          | -175.63               | -4,471.23                           | -341.68      | 4,485.89               | 4,478.57                | 7.32                      | 613.023           |                    |           |
| 2,200.00                                                           | 2,200.00              | 2,066.99              | 2,062.93              | 4.81             | 2.95          | -175.86               | -4,475.44                           | -323.74      | 4,488.63               | 4,480.89                | 7.74                      | 580.177           |                    |           |
| 2,300.00                                                           | 2,300.00              | 2,171.30              | 2,165.71              | 5.03             | 3.16          | -176.09               | -4,479.24                           | -306.34      | 4,491.13               | 4,482.96                | 8.17                      | 549.907           |                    |           |
| 2,400.00                                                           | 2,400.00              | 2,269.60              | 2,262.64              | 5.26             | 3.38          | -176.29               | -4,482.80                           | -290.36      | 4,493.70               | 4,485.09                | 8.61                      | 522.035           |                    |           |
| 2,500.00                                                           | 2,500.00              | 2,360.14              | 2,351.91              | 5.48             | 3.61          | -176.48               | -4,486.03                           | -275.65      | 4,496.28               | 4,487.22                | 9.06                      | 496.327           |                    |           |
| 2,600.00                                                           | 2,600.00              | 2,418.39              | 2,409.33              | 5.71             | 3.77          | -176.61               | -4,488.46                           | -266.14      | 4,499.54               | 4,490.10                | 9.44                      | 476.840           |                    |           |
| 2,700.00                                                           | 2,700.00              | 2,477.95              | 2,467.98              | 5.93             | 3.93          | -176.73               | -4,491.60                           | -256.28      | 4,503.84               | 4,494.02                | 9.82                      | 458.587           |                    |           |
| 2,800.00                                                           | 2,800.00              | 2,577.36              | 2,565.91              | 6.15             | 4.22          | -176.94               | -4,497.15                           | -240.11      | 4,508.58               | 4,498.26                | 10.32                     | 436.775           |                    |           |
| 2,900.00                                                           | 2,900.00              | 2,673.48              | 2,660.66              | 6.38             | 4.50          | -177.14               | -4,502.51                           | -224.84      | 4,513.40               | 4,502.58                | 10.82                     | 417.063           |                    |           |
| 3,000.00                                                           | 3,000.00              | 2,795.99              | 2,781.45              | 6.60             | 4.88          | -177.39               | -4,508.97                           | -205.44      | 4,517.96               | 4,506.55                | 11.41                     | 395.973           |                    |           |
| 3,100.00                                                           | 3,099.99              | 2,912.32              | 2,896.19              | 6.81             | 5.24          | -87.60                | -4,514.71                           | -187.17      | 4,522.24               | 4,510.27                | 11.97                     | 377.751           |                    |           |
| 3,200.00                                                           | 3,199.96              | 3,025.58              | 3,008.02              | 7.01             | 5.59          | -87.82                | -4,519.72                           | -169.93      | 4,526.01               | 4,513.50                | 12.51                     | 361.740           |                    |           |
| 3,300.00                                                           | 3,299.86              | 3,120.00              | 3,101.27              | 7.21             | 5.88          | -88.01                | -4,523.73                           | -155.63      | 4,529.62               | 4,516.62                | 13.00                     | 348.447           |                    |           |
| 3,400.00                                                           | 3,399.68              | 3,214.00              | 3,194.06              | 7.42             | 6.18          | -88.23                | -4,527.90                           | -141.19      | 4,533.44               | 4,519.95                | 13.49                     | 335.988           |                    |           |
| 3,500.00                                                           | 3,499.37              | 3,271.50              | 3,250.77              | 7.63             | 6.37          | -88.36                | -4,530.78                           | -132.20      | 4,537.82               | 4,523.94                | 13.88                     | 326.971           |                    |           |
| 3,525.23                                                           | 3,524.50              | 3,287.57              | 3,266.62              | 7.68             | 6.42          | -88.40                | -4,531.65                           | -129.65      | 4,539.05               | 4,525.07                | 13.98                     | 324.653           |                    |           |
| 3,600.00                                                           | 3,598.95              | 3,365.53              | 3,343.45              | 7.84             | 6.68          | -88.64                | -4,536.01                           | -117.17      | 4,542.88               | 4,528.49                | 14.39                     | 315.675           |                    |           |
| 3,700.00                                                           | 3,698.53              | 3,467.29              | 3,443.76              | 8.06             | 7.02          | -88.97                | -4,541.34                           | -100.91      | 4,547.75               | 4,532.82                | 14.93                     | 304.525           |                    |           |
| 3,800.00                                                           | 3,798.11              | 3,594.90              | 3,569.61              | 8.28             | 7.45          | -89.36                | -4,547.79                           | -80.80       | 4,552.62               | 4,537.06                | 15.56                     | 292.494           |                    |           |
| 3,900.00                                                           | 3,897.69              | 3,701.73              | 3,675.08              | 8.50             | 7.80          | -89.69                | -4,552.55                           | -64.46       | 4,557.01               | 4,540.88                | 16.13                     | 282.587           |                    |           |
| 4,000.00                                                           | 3,997.27              | 3,782.00              | 3,754.40              | 8.73             | 8.06          | -89.93                | -4,556.19                           | -52.70       | 4,561.60               | 4,545.01                | 16.60                     | 274.851           |                    |           |
| 4,100.00                                                           | 4,096.85              | 3,867.13              | 3,838.47              | 8.96             | 8.34          | -90.19                | -4,560.31                           | -40.01       | 4,566.62               | 4,549.54                | 17.09                     | 267.252           |                    |           |
| 4,200.00                                                           | 4,196.43              | 3,964.07              | 3,934.16              | 9.19             | 8.66          | -90.48                | -4,565.19                           | -25.25       | 4,571.95               | 4,554.33                | 17.62                     | 259.437           |                    |           |
| 4,300.00                                                           | 4,296.01              | 4,049.98              | 4,019.00              | 9.42             | 8.94          | -90.74                | -4,569.60                           | -12.49       | 4,577.49               | 4,559.37                | 18.12                     | 252.610           |                    |           |
| 4,400.00                                                           | 4,395.59              | 4,136.48              | 4,104.43              | 9.65             | 9.23          | -90.99                | -4,574.25                           | 0.32         | 4,583.40               | 4,564.78                | 18.62                     | 246.132           |                    |           |
| 4,500.00                                                           | 4,495.17              | 4,212.39              | 4,179.38              | 9.89             | 9.48          | -91.22                | -4,578.56                           | 11.47        | 4,589.72               | 4,570.64                | 19.09                     | 240.437           |                    |           |
| 4,600.00                                                           | 4,594.75              | 4,349.00              | 4,314.34              | 10.13            | 9.93          | -91.61                | -4,586.51                           | 31.13        | 4,596.40               | 4,576.64                | 19.76                     | 232.667           |                    |           |
| 4,700.00                                                           | 4,694.33              | 4,443.00              | 4,407.34              | 10.37            | 10.23         | -91.88                | -4,591.38                           | 43.89        | 4,602.42               | 4,582.14                | 20.27                     | 227.035           |                    |           |
| 4,800.00                                                           | 4,793.91              | 4,514.37              | 4,477.87              | 10.61            | 10.47         | -92.08                | -4,595.29                           | 54.05        | 4,608.85               | 4,588.13                | 20.72                     | 222.386           |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit - 64H - OH - OH                         |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.00 usft |
|--------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 62-ISCWSA-GYRO-3, 1483-LEAM MWD-ADJ, 15937-Project |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.00 usft |
| Reference                                                          | Offset                |                       | Semi Major Axis       |                  | Distance      |                       | Minimum Separation                  |              | Separation Factor      |                         | Warning                   |                   |                    |           |
| Measured Depth (usft)                                              | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |           |
| 4,900.00                                                           | 4,893.49              | 4,587.97              | 4,550.46              | 10.85            | 10.72         | -92.30                | -4,599.65                           | 65.41        | 4,615.92               | 4,594.73                | 21.19                     | 217.787           |                    |           |
| 5,000.00                                                           | 4,993.07              | 4,688.99              | 4,649.95              | 11.09            | 11.08         | -92.61                | -4,605.97                           | 81.77        | 4,623.48               | 4,601.71                | 21.77                     | 212.405           |                    |           |
| 5,100.00                                                           | 5,092.65              | 4,781.68              | 4,741.33              | 11.34            | 11.41         | -92.89                | -4,611.50                           | 96.28        | 4,630.86               | 4,608.55                | 22.31                     | 207.563           |                    |           |
| 5,200.00                                                           | 5,192.23              | 4,849.02              | 4,807.64              | 11.58            | 11.65         | -93.10                | -4,615.79                           | 107.18       | 4,638.81               | 4,616.04                | 22.77                     | 203.739           |                    |           |
| 5,300.00                                                           | 5,291.81              | 4,915.00              | 4,872.44              | 11.83            | 11.90         | -93.31                | -4,620.49                           | 118.67       | 4,647.65               | 4,624.42                | 23.23                     | 200.092           |                    |           |
| 5,400.00                                                           | 5,391.39              | 4,983.49              | 4,939.58              | 12.08            | 12.17         | -93.54                | -4,625.75                           | 131.11       | 4,657.23               | 4,633.53                | 23.71                     | 196.459           |                    |           |
| 5,500.00                                                           | 5,490.97              | 5,185.12              | 5,137.60              | 12.33            | 12.94         | -94.18                | -4,639.54                           | 166.44       | 4,666.21               | 4,641.53                | 24.68                     | 189.036           |                    |           |
| 5,600.00                                                           | 5,590.55              | 5,301.35              | 5,252.25              | 12.58            | 13.34         | -94.53                | -4,646.01                           | 184.44       | 4,673.83               | 4,648.52                | 25.31                     | 184.685           |                    |           |
| 5,700.00                                                           | 5,690.13              | 5,394.54              | 5,344.23              | 12.83            | 13.66         | -94.79                | -4,651.11                           | 198.50       | 4,681.46               | 4,655.61                | 25.84                     | 181.141           |                    |           |
| 5,800.00                                                           | 5,789.71              | 5,482.44              | 5,430.84              | 13.08            | 13.97         | -95.06                | -4,655.95                           | 212.70       | 4,689.34               | 4,662.97                | 26.37                     | 177.796           |                    |           |
| 5,900.00                                                           | 5,889.29              | 5,590.26              | 5,537.01              | 13.33            | 14.36         | -95.39                | -4,661.82                           | 230.54       | 4,697.33               | 4,670.35                | 26.98                     | 174.085           |                    |           |
| 6,000.00                                                           | 5,988.87              | 5,695.29              | 5,640.43              | 13.58            | 14.74         | -95.71                | -4,667.29                           | 247.98       | 4,705.24               | 4,677.66                | 27.58                     | 170.610           |                    |           |
| 6,100.00                                                           | 6,088.45              | 5,805.91              | 5,749.44              | 13.84            | 15.13         | -96.04                | -4,672.93                           | 265.94       | 4,713.13               | 4,684.94                | 28.19                     | 167.179           |                    |           |
| 6,200.00                                                           | 6,188.03              | 5,908.35              | 5,850.42              | 14.09            | 15.49         | -96.34                | -4,677.72                           | 282.49       | 4,720.73               | 4,691.95                | 28.77                     | 164.067           |                    |           |
| 6,300.00                                                           | 6,287.61              | 6,003.36              | 5,944.10              | 14.34            | 15.83         | -96.62                | -4,682.38                           | 297.68       | 4,728.65               | 4,699.32                | 29.33                     | 161.236           |                    |           |
| 6,400.00                                                           | 6,387.19              | 6,102.43              | 6,041.76              | 14.60            | 16.18         | -96.92                | -4,687.04                           | 313.66       | 4,736.51               | 4,706.62                | 29.90                     | 158.433           |                    |           |
| 6,500.00                                                           | 6,486.77              | 6,215.10              | 6,152.88              | 14.85            | 16.57         | -97.25                | -4,692.37                           | 331.55       | 4,744.51               | 4,714.00                | 30.51                     | 155.504           |                    |           |
| 6,600.00                                                           | 6,586.35              | 15,937.00             | 11,089.45             | 15.11            | 82.96         | 178.19                | 57.37                               | 1,101.54     | 4,738.40               | 4,690.11                | 48.29                     | 98.123            |                    |           |
| 6,700.00                                                           | 6,685.93              | 15,937.00             | 11,089.45             | 15.37            | 82.96         | 178.19                | 57.37                               | 1,101.54     | 4,646.19               | 4,597.47                | 48.72                     | 95.363            |                    |           |
| 6,800.00                                                           | 6,785.51              | 15,937.00             | 11,089.45             | 15.62            | 82.96         | 178.19                | 57.37                               | 1,101.54     | 4,554.32               | 4,505.15                | 49.17                     | 92.620            |                    |           |
| 6,900.00                                                           | 6,885.09              | 15,937.00             | 11,089.45             | 15.88            | 82.96         | 178.19                | 57.37                               | 1,101.54     | 4,462.79               | 4,413.15                | 49.65                     | 89.894            |                    |           |
| 7,000.00                                                           | 6,984.68              | 15,937.00             | 11,089.45             | 16.14            | 82.96         | 178.19                | 57.37                               | 1,101.54     | 4,371.64               | 4,321.50                | 50.14                     | 87.185            |                    |           |
| 7,100.00                                                           | 7,084.26              | 15,937.00             | 11,089.45             | 16.40            | 82.96         | 178.19                | 57.37                               | 1,101.54     | 4,280.88               | 4,230.21                | 50.66                     | 84.497            |                    |           |
| 7,200.00                                                           | 7,183.84              | 15,937.00             | 11,089.45             | 16.66            | 82.96         | 178.19                | 57.37                               | 1,101.54     | 4,190.54               | 4,139.33                | 51.21                     | 81.829            |                    |           |
| 7,300.00                                                           | 7,283.42              | 15,937.00             | 11,089.45             | 16.91            | 82.96         | 178.19                | 57.37                               | 1,101.54     | 4,100.65               | 4,048.86                | 51.79                     | 79.183            |                    |           |
| 7,400.00                                                           | 7,383.00              | 15,937.00             | 11,089.45             | 17.17            | 82.96         | 178.19                | 57.37                               | 1,101.54     | 4,011.24               | 3,958.84                | 52.39                     | 76.561            |                    |           |
| 7,500.00                                                           | 7,482.58              | 15,937.00             | 11,089.45             | 17.43            | 82.96         | 178.19                | 57.37                               | 1,101.54     | 3,922.34               | 3,869.31                | 53.03                     | 73.964            |                    |           |
| 7,600.00                                                           | 7,582.16              | 15,937.00             | 11,089.45             | 17.69            | 82.96         | 178.19                | 57.37                               | 1,101.54     | 3,833.98               | 3,780.28                | 53.70                     | 71.394            |                    |           |
| 7,700.00                                                           | 7,681.74              | 15,937.00             | 11,089.45             | 17.95            | 82.96         | 178.19                | 57.37                               | 1,101.54     | 3,746.21               | 3,691.80                | 54.41                     | 68.852            |                    |           |
| 7,800.00                                                           | 7,781.32              | 15,937.00             | 11,089.45             | 18.21            | 82.96         | 178.19                | 57.37                               | 1,101.54     | 3,659.07               | 3,603.92                | 55.16                     | 66.341            |                    |           |
| 7,900.00                                                           | 7,880.90              | 15,937.00             | 11,089.45             | 18.47            | 82.96         | 178.19                | 57.37                               | 1,101.54     | 3,572.61               | 3,516.66                | 55.94                     | 63.862            |                    |           |
| 8,000.00                                                           | 7,980.48              | 15,937.00             | 11,089.45             | 18.73            | 82.96         | 178.19                | 57.37                               | 1,101.54     | 3,486.86               | 3,430.09                | 56.77                     | 61.417            |                    |           |
| 8,100.00                                                           | 8,080.06              | 15,937.00             | 11,089.45             | 19.00            | 82.96         | 178.19                | 57.37                               | 1,101.54     | 3,401.90               | 3,344.25                | 57.65                     | 59.009            |                    |           |
| 8,200.00                                                           | 8,179.64              | 15,937.00             | 11,089.45             | 19.26            | 82.96         | 178.19                | 57.37                               | 1,101.54     | 3,317.77               | 3,259.20                | 58.58                     | 56.640            |                    |           |
| 8,243.13                                                           | 8,222.58              | 15,937.00             | 11,089.45             | 19.37            | 82.96         | 178.19                | 57.37                               | 1,101.54     | 3,281.77               | 3,222.78                | 58.99                     | 55.631            |                    |           |
| 8,300.00                                                           | 8,279.24              | 15,937.00             | 11,089.45             | 19.50            | 82.96         | 178.16                | 57.37                               | 1,101.54     | 3,234.39               | 3,174.85                | 59.55                     | 54.317            |                    |           |
| 8,400.00                                                           | 8,378.97              | 15,937.00             | 11,089.45             | 19.70            | 82.96         | 178.11                | 57.37                               | 1,101.54     | 3,151.08               | 3,090.55                | 60.54                     | 52.050            |                    |           |
| 8,500.00                                                           | 8,478.82              | 15,937.00             | 11,089.45             | 19.89            | 82.96         | 178.06                | 57.37                               | 1,101.54     | 3,067.78               | 3,006.22                | 61.56                     | 49.831            |                    |           |
| 8,600.00                                                           | 8,578.74              | 15,937.00             | 11,089.45             | 20.08            | 82.96         | 178.01                | 57.37                               | 1,101.54     | 2,984.51               | 2,921.89                | 62.62                     | 47.661            |                    |           |
| 8,700.00                                                           | 8,678.72              | 15,937.00             | 11,089.45             | 20.26            | 82.96         | 177.96                | 57.37                               | 1,101.54     | 2,901.30               | 2,837.59                | 63.71                     | 45.540            |                    |           |
| 8,768.36                                                           | 8,747.08              | 15,937.00             | 11,089.45             | 20.38            | 82.96         | 87.92                 | 57.37                               | 1,101.54     | 2,844.48               | 2,780.00                | 64.48                     | 44.117            |                    |           |
| 8,800.00                                                           | 8,778.72              | 15,937.00             | 11,089.45             | 20.44            | 82.96         | 87.92                 | 57.37                               | 1,101.54     | 2,818.24               | 2,753.40                | 64.84                     | 43.465            |                    |           |
| 8,900.00                                                           | 8,878.72              | 15,937.00             | 11,089.45             | 20.64            | 82.96         | 87.92                 | 57.37                               | 1,101.54     | 2,736.07               | 2,670.04                | 66.03                     | 41.435            |                    |           |
| 9,000.00                                                           | 8,978.72              | 15,937.00             | 11,089.45             | 20.84            | 82.96         | 87.92                 | 57.37                               | 1,101.54     | 2,655.13               | 2,587.83                | 67.30                     | 39.455            |                    |           |
| 9,068.36                                                           | 9,047.08              | 15,937.00             | 11,089.45             | 20.97            | 82.96         | 87.92                 | 57.37                               | 1,101.54     | 2,600.56               | 2,532.36                | 68.20                     | 38.132            |                    |           |
| 9,100.00                                                           | 9,078.70              | 15,937.00             | 11,089.45             | 21.03            | 82.96         | -95.73                | 57.37                               | 1,101.54     | 2,575.55               | 2,506.93                | 68.62                     | 37.534            |                    |           |
| 9,150.00                                                           | 9,128.44              | 15,937.00             | 11,089.45             | 21.12            | 82.96         | -101.88               | 57.37                               | 1,101.54     | 2,536.59               | 2,467.34                | 69.25                     | 36.628            |                    |           |
| 9,200.00                                                           | 9,177.57              | 15,937.00             | 11,089.45             | 21.21            | 82.96         | -107.53               | 57.37                               | 1,101.54     | 2,498.60               | 2,428.75                | 69.85                     | 35.770            |                    |           |
| 9,250.00                                                           | 9,225.69              | 15,930.18             | 11,089.68             | 21.30            | 82.94         | -112.40               | 50.55                               | 1,101.61     | 2,461.92               | 2,391.43                | 70.48                     | 34.930            |                    |           |
| 9,300.00                                                           | 9,272.46              | 15,911.00             | 11,090.31             | 21.40            | 82.89         | -116.37               | 31.38                               | 1,101.81     | 2,426.77               | 2,355.57                | 71.20                     | 34.084            |                    |           |
| 9,350.00                                                           | 9,317.51              | 15,887.87             | 11,091.08             | 21.49            | 82.84         | -119.75               | 8.27                                | 1,102.06     | 2,393.39               | 2,321.50                | 71.90                     | 33.290            |                    |           |
| 9,400.00                                                           | 9,360.51              | 15,860.97             | 11,091.97             | 21.59            | 82.77         | -122.60               | -18.62                              | 1,102.34     | 2,362.00               | 2,289.44                | 72.56                     | 32.553            |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit - 64H - OH - OH                         |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: 0.00 usft |  |
|--------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|------------------------------|--|
| Survey Program: 62-ISCWSA-GYRO-3, 1483-LEAM MWD-ADJ, 15937-Project |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: 0.00 usft |  |
| Reference                                                          |                       | Offset                |                       | Semi Major Axis  |               | Distance              |                                     |              |                        |                         |                           |                   | Warning                      |  |
| Measured Depth (usft)                                              | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (") | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                              |  |
| 9,450.00                                                           | 9,401.12              | 15,830.50             | 11,092.98             | 21.69            | 82.69         | -124.98               | -49.07                              | 1,102.66     | 2,332.80               | 2,259.58                | 73.22                     | 31.860            |                              |  |
| 9,500.00                                                           | 9,439.03              | 15,795.68             | 11,094.14             | 21.80            | 82.50         | -126.95               | -83.87                              | 1,103.02     | 2,305.96               | 2,232.16                | 73.80                     | 31.247            |                              |  |
| 9,550.00                                                           | 9,473.97              | 15,753.78             | 11,095.48             | 21.91            | 81.84         | -128.52               | -125.74                             | 1,103.41     | 2,281.57               | 2,207.62                | 73.95                     | 30.852            |                              |  |
| 9,600.00                                                           | 9,505.65              | 15,710.00             | 11,096.81             | 22.04            | 81.15         | -129.82               | -169.50                             | 1,103.75     | 2,259.72               | 2,185.68                | 74.04                     | 30.520            |                              |  |
| 9,650.00                                                           | 9,533.84              | 15,672.35             | 11,098.00             | 22.18            | 80.56         | -130.97               | -207.13                             | 1,104.02     | 2,240.60               | 2,166.50                | 74.09                     | 30.241            |                              |  |
| 9,700.00                                                           | 9,558.33              | 15,633.56             | 11,099.35             | 22.35            | 79.96         | -131.90               | -245.90                             | 1,104.29     | 2,224.40               | 2,150.32                | 74.08                     | 30.028            |                              |  |
| 9,750.00                                                           | 9,578.93              | 15,591.94             | 11,100.94             | 22.54            | 79.31         | -132.60               | -287.49                             | 1,104.59     | 2,211.19               | 2,137.21                | 73.99                     | 29.887            |                              |  |
| 9,800.00                                                           | 9,595.48              | 15,548.00             | 11,102.66             | 22.75            | 78.63         | -133.11               | -331.40                             | 1,104.97     | 2,201.01               | 2,127.18                | 73.82                     | 29.814            |                              |  |
| 9,850.00                                                           | 9,607.86              | 15,499.71             | 11,104.57             | 22.99            | 77.87         | -133.44               | -379.64                             | 1,105.47     | 2,193.86               | 2,120.27                | 73.59                     | 29.811            |                              |  |
| 9,900.00                                                           | 9,615.96              | 15,445.71             | 11,106.50             | 23.25            | 77.03         | -133.61               | -433.61                             | 1,106.13     | 2,189.65               | 2,116.36                | 73.29                     | 29.877            |                              |  |
| 9,945.71                                                           | 9,619.59              | 15,400.20             | 11,107.92             | 23.52            | 76.33         | -133.66               | -479.08                             | 1,106.79     | 2,188.38               | 2,115.39                | 72.98                     | 29.984            |                              |  |
| 9,950.00                                                           | 9,619.74              | 15,396.16             | 11,108.04             | 23.55            | 76.27         | -133.65               | -483.12                             | 1,106.86     | 2,188.39               | 2,115.43                | 72.95                     | 29.997            |                              |  |
| 9,974.90                                                           | 9,620.00              | 15,372.72             | 11,108.72             | 23.70            | 75.91         | -133.62               | -506.55                             | 1,107.28     | 2,188.90               | 2,116.13                | 72.77                     | 30.079            |                              |  |
| 10,000.00                                                          | 9,619.71              | 15,349.12             | 11,109.38             | 27.27            | 75.54         | -133.63               | -530.14                             | 1,107.75     | 2,189.81               | 2,117.14                | 72.68                     | 30.131            |                              |  |
| 10,100.00                                                          | 9,618.57              | 15,258.70             | 11,111.85             | 27.34            | 74.15         | -133.67               | -620.49                             | 1,109.89     | 2,193.68               | 2,122.24                | 71.43                     | 30.709            |                              |  |
| 10,200.00                                                          | 9,617.43              | 15,151.29             | 11,114.89             | 27.41            | 72.50         | -133.72               | -727.83                             | 1,112.55     | 2,197.70               | 2,127.54                | 70.15                     | 31.327            |                              |  |
| 10,300.00                                                          | 9,616.29              | 15,042.44             | 11,117.93             | 27.49            | 70.87         | -133.78               | -836.63                             | 1,114.55     | 2,201.22               | 2,132.30                | 68.91                     | 31.941            |                              |  |
| 10,400.00                                                          | 9,615.15              | 14,949.30             | 11,120.97             | 27.57            | 69.47         | -133.84               | -929.70                             | 1,115.85     | 2,204.75               | 2,136.98                | 67.76                     | 32.537            |                              |  |
| 10,500.00                                                          | 9,614.00              | 14,834.44             | 11,124.35             | 27.66            | 67.74         | -133.92               | -1,044.50                           | 1,117.43     | 2,208.04               | 2,141.49                | 66.55                     | 33.179            |                              |  |
| 10,600.00                                                          | 9,612.86              | 14,732.17             | 11,127.18             | 27.74            | 66.24         | -133.99               | -1,146.72                           | 1,118.34     | 2,210.87               | 2,145.43                | 65.44                     | 33.784            |                              |  |
| 10,700.00                                                          | 9,611.72              | 14,642.61             | 11,129.96             | 27.83            | 64.94         | -134.06               | -1,236.24                           | 1,119.21     | 2,214.00               | 2,149.57                | 64.43                     | 34.363            |                              |  |
| 10,800.00                                                          | 9,610.58              | 14,552.38             | 11,133.26             | 27.92            | 63.63         | -134.13               | -1,326.40                           | 1,120.17     | 2,217.58               | 2,154.14                | 63.44                     | 34.956            |                              |  |
| 10,900.00                                                          | 9,609.44              | 14,433.19             | 11,137.69             | 28.02            | 61.88         | -134.23               | -1,445.50                           | 1,121.65     | 2,221.42               | 2,159.09                | 62.33                     | 35.639            |                              |  |
| 11,000.00                                                          | 9,608.29              | 14,274.03             | 11,138.72             | 28.12            | 59.59         | -134.28               | -1,604.64                           | 1,123.06     | 2,222.64               | 2,161.50                | 61.14                     | 36.354            |                              |  |
| 11,100.00                                                          | 9,607.15              | 14,177.69             | 11,137.84             | 28.22            | 58.25         | -134.28               | -1,700.97                           | 1,123.86     | 2,222.88               | 2,162.60                | 60.28                     | 36.874            |                              |  |
| 11,200.00                                                          | 9,606.01              | 14,104.00             | 11,137.51             | 28.32            | 57.25         | -134.28               | -1,774.66                           | 1,124.85     | 2,223.83               | 2,164.28                | 59.54                     | 37.348            |                              |  |
| 11,300.00                                                          | 9,604.87              | 14,024.61             | 11,137.61             | 28.43            | 56.19         | -134.28               | -1,854.03                           | 1,126.64     | 2,225.82               | 2,167.00                | 58.83                     | 37.837            |                              |  |
| 11,400.00                                                          | 9,603.72              | 13,935.66             | 11,138.51             | 28.55            | 54.99         | -134.28               | -1,942.94                           | 1,128.96     | 2,228.67               | 2,170.59                | 58.08                     | 38.370            |                              |  |
| 11,500.00                                                          | 9,602.58              | 13,824.45             | 11,140.43             | 28.67            | 53.50         | -134.32               | -2,054.11                           | 1,131.12     | 2,231.55               | 2,174.29                | 57.26                     | 38.970            |                              |  |
| 11,600.00                                                          | 9,601.44              | 13,729.23             | 11,141.59             | 28.80            | 52.25         | -134.33               | -2,149.30                           | 1,133.10     | 2,234.18               | 2,177.63                | 56.55                     | 39.511            |                              |  |
| 11,700.00                                                          | 9,600.30              | 13,614.29             | 11,142.42             | 28.93            | 50.75         | -134.34               | -2,264.21                           | 1,135.71     | 2,236.58               | 2,180.80                | 55.78                     | 40.094            |                              |  |
| 11,800.00                                                          | 9,599.16              | 13,514.28             | 11,142.45             | 29.08            | 49.51         | -134.34               | -2,364.19                           | 1,137.99     | 2,238.51               | 2,183.36                | 55.15                     | 40.592            |                              |  |
| 11,900.00                                                          | 9,598.01              | 13,443.00             | 11,142.95             | 29.24            | 48.67         | -134.34               | -2,435.45                           | 1,139.76     | 2,241.10               | 2,186.45                | 54.65                     | 41.010            |                              |  |
| 12,000.00                                                          | 9,596.87              | 13,348.00             | 11,144.44             | 29.42            | 47.53         | -134.35               | -2,530.40                           | 1,142.49     | 2,244.54               | 2,190.46                | 54.08                     | 41.503            |                              |  |
| 12,100.00                                                          | 9,595.73              | 13,146.66             | 11,146.66             | 29.62            | 45.18         | -134.41               | -2,731.68                           | 1,145.04     | 2,247.14               | 2,193.94                | 53.20                     | 42.240            |                              |  |
| 12,200.00                                                          | 9,594.59              | 13,053.84             | 11,147.37             | 29.85            | 44.16         | -134.49               | -2,824.47                           | 1,142.92     | 2,246.33               | 2,193.59                | 52.73                     | 42.597            |                              |  |
| 12,271.58                                                          | 9,593.77              | 12,995.97             | 11,148.25             | 30.03            | 43.54         | -134.55               | -2,882.32                           | 1,141.58     | 2,246.11               | 2,193.65                | 52.46                     | 42.818            |                              |  |
| 12,300.00                                                          | 9,593.45              | 12,971.00             | 11,148.71             | 30.10            | 43.27         | -134.58               | -2,907.28                           | 1,141.08     | 2,246.15               | 2,193.80                | 52.34                     | 42.912            |                              |  |
| 12,400.00                                                          | 9,592.30              | 12,895.67             | 11,150.63             | 30.40            | 42.48         | -134.66               | -2,982.57                           | 1,139.68     | 2,246.89               | 2,194.90                | 51.99                     | 43.214            |                              |  |
| 12,500.00                                                          | 9,591.16              | 9,517.36              | 9,413.70              | 30.73            | 27.85         | -83.88                | -4,843.85                           | 827.25       | 2,168.11               | 2,114.89                | 53.22                     | 40.735            |                              |  |
| 12,600.00                                                          | 9,590.02              | 9,519.03              | 9,415.36              | 31.09            | 27.85         | -83.96                | -4,843.88                           | 827.41       | 2,088.21               | 2,034.94                | 53.27                     | 39.200            |                              |  |
| 12,700.00                                                          | 9,588.88              | 9,520.66              | 9,416.98              | 31.49            | 27.86         | -84.03                | -4,843.92                           | 827.56       | 2,010.10               | 1,956.77                | 53.33                     | 37.692            |                              |  |
| 12,800.00                                                          | 9,587.73              | 9,522.26              | 9,418.57              | 31.93            | 27.86         | -84.10                | -4,843.95                           | 827.70       | 1,934.02               | 1,880.61                | 53.40                     | 36.215            |                              |  |
| 12,900.00                                                          | 9,586.59              | 9,523.81              | 9,420.12              | 32.38            | 27.87         | -84.17                | -4,843.98                           | 827.84       | 1,860.19               | 1,806.69                | 53.50                     | 34.771            |                              |  |
| 13,000.00                                                          | 9,585.45              | 9,525.34              | 9,421.64              | 32.87            | 27.87         | -84.24                | -4,844.02                           | 827.98       | 1,788.91               | 1,735.29                | 53.62                     | 33.364            |                              |  |
| 13,100.00                                                          | 9,584.31              | 9,526.82              | 9,423.12              | 33.37            | 27.87         | -84.31                | -4,844.05                           | 828.11       | 1,720.49               | 1,666.72                | 53.77                     | 31.997            |                              |  |
| 13,200.00                                                          | 9,583.17              | 9,528.28              | 9,424.57              | 33.88            | 27.88         | -84.37                | -4,844.08                           | 828.25       | 1,655.29               | 1,601.33                | 53.96                     | 30.676            |                              |  |
| 13,300.00                                                          | 9,582.02              | 9,529.70              | 9,425.99              | 34.42            | 27.88         | -84.44                | -4,844.11                           | 828.37       | 1,593.70               | 1,539.50                | 54.20                     | 29.405            |                              |  |
| 13,400.00                                                          | 9,580.88              | 9,531.10              | 9,427.37              | 34.96            | 27.88         | -84.50                | -4,844.14                           | 828.50       | 1,536.15               | 1,481.65                | 54.49                     | 28.189            |                              |  |
| 13,500.00                                                          | 9,579.74              | 9,532.46              | 9,428.73              | 35.52            | 27.89         | -84.56                | -4,844.16                           | 828.62       | 1,483.12               | 1,428.26                | 54.86                     | 27.035            |                              |  |
| 13,600.00                                                          | 9,578.60              | 9,533.79              | 9,430.06              | 36.09            | 27.89         | -84.62                | -4,844.19                           | 828.74       | 1,435.10               | 1,379.80                | 55.30                     | 25.951            |                              |  |
| 13,700.00                                                          | 9,577.46              | 9,535.10              | 9,431.36              | 36.67            | 27.90         | -84.68                | -4,844.22                           | 828.85       | 1,392.62               | 1,336.79                | 55.83                     | 24.944            |                              |  |

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit - 64H - OH - OH                         |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.00 usft |
|--------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 62-ISCWSA-GYRO-3, 1483-LEAM MWD-ADJ, 15937-Project |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.00 usft |
| Reference                                                          | Offset                |                       | Semi Major Axis       |                  | Distance      |                       | Warning                             |              |                        |                         |                           |                   |                    |           |
| Measured Depth (usft)                                              | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (") | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |           |
| 13,800.00                                                          | 9,576.31              | 9,536.38              | 9,432.63              | 37.25            | 27.90         | -84.74                | -4,844.24                           | 828.97       | 1,356.19               | 1,299.74                | 56.45                     | 24.024            |                    |           |
| 13,900.00                                                          | 9,575.17              | 9,537.63              | 9,433.88              | 37.84            | 27.90         | -84.79                | -4,844.27                           | 829.08       | 1,326.32               | 1,269.15                | 57.17                     | 23.200            |                    |           |
| 14,000.00                                                          | 9,574.03              | 9,538.86              | 9,435.11              | 38.45            | 27.91         | -84.85                | -4,844.29                           | 829.19       | 1,303.45               | 1,245.48                | 57.97                     | 22.484            |                    |           |
| 14,100.00                                                          | 9,572.89              | 9,540.06              | 9,436.30              | 39.05            | 27.91         | -84.90                | -4,844.32                           | 829.29       | 1,287.97               | 1,229.12                | 58.85                     | 21.886            |                    |           |
| 14,200.00                                                          | 9,571.75              | 9,541.24              | 9,437.48              | 39.67            | 27.91         | -84.95                | -4,844.34                           | 829.40       | 1,280.13               | 1,220.35                | 59.77                     | 21.417            |                    |           |
| 14,250.70                                                          | 9,571.17              | 9,541.83              | 9,438.06              | 39.98            | 27.91         | -84.98                | -4,844.35                           | 829.45       | 1,279.12               | 1,218.87                | 60.25                     | 21.230 CC, ES     |                    |           |
| 14,300.00                                                          | 9,570.60              | 9,542.40              | 9,438.63              | 40.29            | 27.91         | -85.01                | -4,844.36                           | 829.50       | 1,280.07               | 1,219.36                | 60.71                     | 21.084            |                    |           |
| 14,400.00                                                          | 9,569.46              | 9,543.53              | 9,439.76              | 40.91            | 27.92         | -85.06                | -4,844.39                           | 829.60       | 1,287.80               | 1,226.17                | 61.63                     | 20.894            |                    |           |
| 14,500.00                                                          | 9,568.32              | 9,544.64              | 9,440.87              | 41.54            | 27.92         | -85.11                | -4,844.41                           | 829.69       | 1,303.19               | 1,240.68                | 62.51                     | 20.848 SF         |                    |           |
| 14,600.00                                                          | 9,567.18              | 9,545.73              | 9,441.95              | 42.18            | 27.92         | -85.16                | -4,844.43                           | 829.79       | 1,325.95               | 1,262.64                | 63.31                     | 20.944            |                    |           |
| 14,700.00                                                          | 9,566.03              | 9,546.80              | 9,443.02              | 42.82            | 27.93         | -85.20                | -4,844.45                           | 829.88       | 1,355.73               | 1,291.71                | 64.02                     | 21.177            |                    |           |
| 14,800.00                                                          | 9,564.89              | 9,547.83              | 9,444.04              | 43.46            | 27.93         | -85.25                | -4,844.47                           | 829.97       | 1,392.07               | 1,327.44                | 64.63                     | 21.539            |                    |           |
| 14,900.00                                                          | 9,563.75              | 9,548.86              | 9,445.07              | 44.11            | 27.93         | -85.30                | -4,844.49                           | 830.06       | 1,434.47               | 1,369.33                | 65.14                     | 22.020            |                    |           |
| 15,000.00                                                          | 9,562.61              | 9,549.91              | 9,446.12              | 44.76            | 27.93         | -85.34                | -4,844.51                           | 830.15       | 1,482.41               | 1,416.85                | 65.56                     | 22.611            |                    |           |
| 15,100.00                                                          | 9,561.47              | 9,550.99              | 9,447.19              | 45.42            | 27.94         | -85.39                | -4,844.53                           | 830.24       | 1,535.38               | 1,469.48                | 65.90                     | 23.300            |                    |           |
| 15,200.00                                                          | 9,560.32              | 9,552.09              | 9,448.28              | 46.08            | 27.94         | -85.44                | -4,844.55                           | 830.34       | 1,592.87               | 1,526.71                | 66.16                     | 24.077            |                    |           |
| 15,300.00                                                          | 9,559.18              | 9,553.20              | 9,449.39              | 46.74            | 27.94         | -85.49                | -4,844.58                           | 830.44       | 1,654.41               | 1,588.06                | 66.36                     | 24.932            |                    |           |
| 15,400.00                                                          | 9,558.04              | 9,554.34              | 9,450.53              | 47.41            | 27.94         | -85.54                | -4,844.60                           | 830.53       | 1,719.57               | 1,653.06                | 66.51                     | 25.856            |                    |           |
| 15,500.00                                                          | 9,556.90              | 9,555.51              | 9,451.69              | 48.08            | 27.95         | -85.59                | -4,844.62                           | 830.63       | 1,787.95               | 1,721.33                | 66.61                     | 26.841            |                    |           |
| 15,600.00                                                          | 9,555.76              | 9,556.70              | 9,452.87              | 48.75            | 27.95         | -85.65                | -4,844.65                           | 830.74       | 1,859.19               | 1,792.50                | 66.69                     | 27.879            |                    |           |
| 15,700.00                                                          | 9,554.61              | 9,557.91              | 9,454.08              | 49.43            | 27.95         | -85.70                | -4,844.67                           | 830.84       | 1,932.98               | 1,866.24                | 66.74                     | 28.963            |                    |           |
| 15,800.00                                                          | 9,553.47              | 9,559.15              | 9,455.31              | 50.10            | 27.96         | -85.76                | -4,844.69                           | 830.95       | 2,009.04               | 1,942.27                | 66.77                     | 30.087            |                    |           |
| 15,900.00                                                          | 9,552.33              | 9,560.41              | 9,456.57              | 50.79            | 27.96         | -85.81                | -4,844.72                           | 831.06       | 2,087.12               | 2,020.33                | 66.80                     | 31.247            |                    |           |
| 16,000.00                                                          | 9,551.19              | 9,561.70              | 9,457.86              | 51.47            | 27.96         | -85.87                | -4,844.75                           | 831.17       | 2,167.00               | 2,100.20                | 66.81                     | 32.437            |                    |           |
| 16,100.00                                                          | 9,550.05              | 9,563.03              | 9,459.17              | 52.15            | 27.97         | -85.93                | -4,844.77                           | 831.28       | 2,248.50               | 2,181.68                | 66.81                     | 33.653            |                    |           |
| 16,200.00                                                          | 9,548.90              | 9,564.37              | 9,460.52              | 52.84            | 27.97         | -85.99                | -4,844.80                           | 831.39       | 2,331.43               | 2,264.61                | 66.82                     | 34.893            |                    |           |
| 16,300.00                                                          | 9,547.76              | 9,565.75              | 9,461.89              | 53.53            | 27.97         | -86.05                | -4,844.83                           | 831.51       | 2,415.65               | 2,348.83                | 66.82                     | 36.152            |                    |           |
| 16,400.00                                                          | 9,546.62              | 9,567.17              | 9,463.30              | 54.22            | 27.98         | -86.12                | -4,844.86                           | 831.63       | 2,501.04               | 2,434.21                | 66.82                     | 37.428            |                    |           |
| 16,500.00                                                          | 9,545.48              | 9,568.61              | 9,464.74              | 54.92            | 27.98         | -86.18                | -4,844.89                           | 831.75       | 2,587.47               | 2,520.64                | 66.83                     | 38.719            |                    |           |
| 16,600.00                                                          | 9,544.33              | 9,570.09              | 9,466.21              | 55.61            | 27.98         | -86.25                | -4,844.92                           | 831.88       | 2,674.85               | 2,608.01                | 66.83                     | 40.023            |                    |           |
| 16,700.00                                                          | 9,543.19              | 9,571.60              | 9,467.71              | 56.31            | 27.99         | -86.31                | -4,844.96                           | 832.01       | 2,763.08               | 2,696.24                | 66.84                     | 41.337            |                    |           |
| 16,800.00                                                          | 9,542.05              | 9,573.14              | 9,469.25              | 57.01            | 27.99         | -86.38                | -4,844.99                           | 832.14       | 2,852.09               | 2,785.23                | 66.86                     | 42.660            |                    |           |
| 16,900.00                                                          | 9,540.91              | 9,574.73              | 9,470.83              | 57.71            | 27.99         | -86.45                | -4,845.02                           | 832.27       | 2,941.80               | 2,874.93                | 66.87                     | 43.991            |                    |           |
| 16,979.53                                                          | 9,540.00              | 9,576.02              | 9,472.12              | 58.27            | 28.00         | -86.51                | -4,845.05                           | 832.38       | 3,013.62               | 2,946.73                | 66.89                     | 45.054            |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit - 72H - OH - OH                              |                             |                             |                             |                     |                  |                             |                                           |                 |                                 |                      |         |           | Offset Site Error: | 0.00 usft |
|-------------------------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|-----------------------------|-------------------------------------------|-----------------|---------------------------------|----------------------|---------|-----------|--------------------|-----------|
| Survey Program: 62- VES GyroFlex V2, 10428-LEAM MWD+HDGM, 15490-Project |                             |                             |                             |                     |                  |                             |                                           |                 |                                 |                      |         |           | Offset Well Error: | 0.00 usft |
| Reference                                                               |                             | Offset                      |                             | Semi Major Axis     |                  | Highside<br>Toolface<br>(°) | Distance                                  |                 | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning |           |                    |           |
| Measured<br>Depth<br>(usft)                                             | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | Offset Wellbore Centre<br>+N/-S<br>(usft) | +E/-W<br>(usft) |                                 |                      |         |           |                    |           |
| 0.00                                                                    | 0.00                        | 0.00                        | 0.00                        | 0.00                | 0.00             | -175.52                     | -9,903.11                                 | -775.38         | 9,933.52                        |                      |         |           |                    |           |
| 100.00                                                                  | 100.00                      | 85.11                       | 85.11                       | 0.09                | 0.07             | -175.52                     | -9,902.92                                 | -775.69         | 9,933.30                        | 9,933.14             | 0.15    | N/A       |                    |           |
| 200.00                                                                  | 200.00                      | 175.45                      | 175.44                      | 0.31                | 0.19             | -175.52                     | -9,902.63                                 | -776.35         | 9,933.03                        | 9,932.54             | 0.49    | N/A       |                    |           |
| 296.24                                                                  | 296.24                      | 251.75                      | 251.74                      | 0.53                | 0.25             | -175.51                     | -9,902.50                                 | -776.97         | 9,932.94                        | 9,932.17             | 0.76    | N/A       |                    |           |
| 300.00                                                                  | 300.00                      | 251.75                      | 251.74                      | 0.54                | 0.25             | -175.51                     | -9,902.50                                 | -776.97         | 9,932.94                        | 9,932.17             | 0.77    | N/A       |                    |           |
| 400.00                                                                  | 400.00                      | 346.52                      | 346.51                      | 0.76                | 0.31             | -175.51                     | -9,902.49                                 | -777.77         | 9,932.99                        | 9,931.94             | 1.05    | 9,457.184 |                    |           |
| 500.00                                                                  | 500.00                      | 416.37                      | 416.36                      | 0.99                | 0.34             | -175.51                     | -9,902.61                                 | -778.36         | 9,933.23                        | 9,931.92             | 1.31    | 7,595.214 |                    |           |
| 600.00                                                                  | 600.00                      | 501.35                      | 501.34                      | 1.21                | 0.39             | -175.50                     | -9,902.99                                 | -778.98         | 9,933.73                        | 9,932.16             | 1.57    | 6,331.952 |                    |           |
| 700.00                                                                  | 700.00                      | 591.64                      | 591.62                      | 1.43                | 0.43             | -175.50                     | -9,903.49                                 | -779.43         | 9,934.32                        | 9,932.49             | 1.83    | 5,431.551 |                    |           |
| 800.00                                                                  | 800.00                      | 732.65                      | 732.63                      | 1.66                | 0.49             | -175.50                     | -9,904.16                                 | -779.98         | 9,934.86                        | 9,932.75             | 2.10    | 4,720.614 |                    |           |
| 900.00                                                                  | 900.00                      | 835.19                      | 835.17                      | 1.88                | 0.53             | -175.50                     | -9,904.35                                 | -780.29         | 9,935.06                        | 9,932.69             | 2.36    | 4,202.156 |                    |           |
| 1,000.00                                                                | 1,000.00                    | 915.14                      | 915.12                      | 2.11                | 0.56             | -175.49                     | -9,904.56                                 | -780.40         | 9,935.34                        | 9,932.73             | 2.62    | 3,796.593 |                    |           |
| 1,100.00                                                                | 1,100.00                    | 996.73                      | 996.71                      | 2.33                | 0.59             | -175.50                     | -9,904.95                                 | -780.35         | 9,935.82                        | 9,932.95             | 2.87    | 3,461.697 |                    |           |
| 1,200.00                                                                | 1,200.00                    | 1,108.78                    | 1,108.75                    | 2.56                | 0.61             | -175.50                     | -9,905.61                                 | -779.90         | 9,936.38                        | 9,933.25             | 3.13    | 3,172.639 |                    |           |
| 1,300.00                                                                | 1,300.00                    | 1,205.81                    | 1,205.78                    | 2.78                | 0.63             | -175.50                     | -9,906.14                                 | -779.23         | 9,936.87                        | 9,933.48             | 3.39    | 2,934.254 |                    |           |
| 1,400.00                                                                | 1,400.00                    | 1,313.44                    | 1,313.40                    | 3.01                | 0.66             | -175.51                     | -9,906.67                                 | -778.60         | 9,937.31                        | 9,933.67             | 3.64    | 2,727.335 |                    |           |
| 1,500.00                                                                | 1,500.00                    | 1,405.27                    | 1,405.24                    | 3.23                | 0.68             | -175.51                     | -9,907.14                                 | -778.14         | 9,937.77                        | 9,933.88             | 3.90    | 2,550.667 |                    |           |
| 1,600.00                                                                | 1,600.00                    | 1,496.56                    | 1,496.52                    | 3.46                | 0.70             | -175.51                     | -9,907.70                                 | -777.54         | 9,938.34                        | 9,934.19             | 4.15    | 2,395.927 |                    |           |
| 1,700.00                                                                | 1,700.00                    | 1,622.40                    | 1,622.36                    | 3.68                | 0.73             | -175.52                     | -9,908.36                                 | -776.75         | 9,938.82                        | 9,934.41             | 4.41    | 2,254.719 |                    |           |
| 1,800.00                                                                | 1,800.00                    | 1,733.06                    | 1,733.02                    | 3.91                | 0.76             | -175.52                     | -9,908.67                                 | -776.27         | 9,939.05                        | 9,934.39             | 4.66    | 2,131.809 |                    |           |
| 1,900.00                                                                | 1,900.00                    | 1,817.58                    | 1,817.53                    | 4.13                | 0.78             | -175.52                     | -9,908.93                                 | -775.97         | 9,939.34                        | 9,934.42             | 4.91    | 2,024.082 |                    |           |
| 2,000.00                                                                | 2,000.00                    | 1,902.99                    | 1,902.94                    | 4.36                | 0.80             | -175.52                     | -9,909.36                                 | -775.67         | 9,939.81                        | 9,934.65             | 5.16    | 1,926.129 |                    |           |
| 2,100.00                                                                | 2,100.00                    | 2,042.26                    | 2,042.21                    | 4.58                | 0.84             | -175.53                     | -9,909.98                                 | -775.28         | 9,940.27                        | 9,934.84             | 5.43    | 1,832.282 |                    |           |
| 2,200.00                                                                | 2,200.00                    | 2,137.29                    | 2,137.24                    | 4.81                | 0.87             | -175.53                     | -9,910.12                                 | -775.13         | 9,940.40                        | 9,934.73             | 5.68    | 1,751.443 |                    |           |
| 2,300.00                                                                | 2,300.00                    | 2,261.33                    | 2,261.28                    | 5.03                | 0.90             | -175.53                     | -9,910.20                                 | -774.95         | 9,940.46                        | 9,934.53             | 5.92    | 1,678.380 |                    |           |
| 2,400.00                                                                | 2,400.00                    | 2,363.51                    | 2,363.46                    | 5.26                | 0.90             | -175.53                     | -9,910.15                                 | -774.94         | 9,940.41                        | 9,934.25             | 6.15    | 1,615.215 |                    |           |
| 2,500.00                                                                | 2,500.00                    | 2,486.32                    | 2,486.27                    | 5.48                | 0.91             | -175.53                     | -9,909.91                                 | -775.12         | 9,940.22                        | 9,933.84             | 6.39    | 1,556.749 |                    |           |
| 2,600.00                                                                | 2,600.00                    | 2,591.27                    | 2,591.22                    | 5.71                | 0.91             | -175.53                     | -9,909.49                                 | -775.48         | 9,939.85                        | 9,933.23             | 6.62    | 1,502.244 |                    |           |
| 2,700.00                                                                | 2,700.00                    | 15,490.00                   | 10,980.34                   | 5.93                | 101.62           | -171.66                     | -5,265.26                                 | -771.82         | 9,880.37                        | 9,840.26             | 40.11   | 246.362   |                    |           |
| 2,800.00                                                                | 2,800.00                    | 15,490.00                   | 10,980.34                   | 6.15                | 101.62           | -171.66                     | -5,265.26                                 | -771.82         | 9,796.26                        | 9,756.11             | 40.15   | 243.995   |                    |           |
| 2,900.00                                                                | 2,900.00                    | 15,490.00                   | 10,980.34                   | 6.38                | 101.62           | -171.66                     | -5,265.26                                 | -771.82         | 9,712.45                        | 9,672.25             | 40.20   | 241.605   |                    |           |
| 3,000.00                                                                | 3,000.00                    | 15,490.00                   | 10,980.34                   | 6.60                | 101.62           | -171.66                     | -5,265.26                                 | -771.82         | 9,628.95                        | 9,588.70             | 40.26   | 239.195   |                    |           |
| 3,100.00                                                                | 3,099.99                    | 15,490.00                   | 10,980.34                   | 6.81                | 101.62           | -83.15                      | -5,265.26                                 | -771.82         | 9,545.71                        | 9,505.40             | 40.31   | 236.813   |                    |           |
| 3,200.00                                                                | 3,199.96                    | 15,490.00                   | 10,980.34                   | 7.01                | 101.62           | -84.63                      | -5,265.26                                 | -771.82         | 9,462.67                        | 9,422.31             | 40.36   | 234.468   |                    |           |
| 3,300.00                                                                | 3,299.86                    | 15,490.00                   | 10,980.34                   | 7.21                | 101.62           | -86.10                      | -5,265.26                                 | -771.82         | 9,379.87                        | 9,339.46             | 40.41   | 232.122   |                    |           |
| 3,400.00                                                                | 3,399.68                    | 15,490.00                   | 10,980.34                   | 7.42                | 101.62           | -87.56                      | -5,265.26                                 | -771.82         | 9,297.34                        | 9,256.87             | 40.46   | 229.778   |                    |           |
| 3,500.00                                                                | 3,499.37                    | 15,490.00                   | 10,980.34                   | 7.63                | 101.62           | -89.01                      | -5,265.26                                 | -771.82         | 9,215.11                        | 9,174.59             | 40.52   | 227.435   |                    |           |
| 3,525.23                                                                | 3,524.50                    | 15,490.00                   | 10,980.34                   | 7.68                | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 9,194.41                        | 9,153.88             | 40.53   | 226.844   |                    |           |
| 3,600.00                                                                | 3,598.95                    | 15,490.00                   | 10,980.34                   | 7.84                | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 9,133.22                        | 9,092.65             | 40.58   | 225.091   |                    |           |
| 3,700.00                                                                | 3,698.53                    | 15,490.00                   | 10,980.34                   | 8.06                | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 9,051.70                        | 9,011.06             | 40.64   | 222.737   |                    |           |
| 3,800.00                                                                | 3,798.11                    | 15,490.00                   | 10,980.34                   | 8.28                | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 8,970.55                        | 8,929.84             | 40.71   | 220.376   |                    |           |
| 3,900.00                                                                | 3,897.69                    | 15,490.00                   | 10,980.34                   | 8.50                | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 8,889.78                        | 8,849.01             | 40.78   | 218.011   |                    |           |
| 4,000.00                                                                | 3,997.27                    | 15,490.00                   | 10,980.34                   | 8.73                | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 8,809.41                        | 8,768.56             | 40.85   | 215.644   |                    |           |
| 4,100.00                                                                | 4,096.85                    | 15,490.00                   | 10,980.34                   | 8.96                | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 8,729.45                        | 8,688.52             | 40.93   | 213.277   |                    |           |
| 4,200.00                                                                | 4,196.43                    | 15,490.00                   | 10,980.34                   | 9.19                | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 8,649.90                        | 8,608.88             | 41.01   | 210.914   |                    |           |
| 4,300.00                                                                | 4,296.01                    | 15,490.00                   | 10,980.34                   | 9.42                | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 8,570.78                        | 8,529.68             | 41.10   | 208.555   |                    |           |
| 4,400.00                                                                | 4,395.59                    | 15,490.00                   | 10,980.34                   | 9.65                | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 8,492.10                        | 8,450.91             | 41.18   | 206.205   |                    |           |
| 4,500.00                                                                | 4,495.17                    | 15,490.00                   | 10,980.34                   | 9.89                | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 8,413.87                        | 8,372.60             | 41.27   | 203.863   |                    |           |
| 4,600.00                                                                | 4,494.75                    | 15,490.00                   | 10,980.34                   | 10.13               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 8,336.11                        | 8,294.74             | 41.36   | 201.533   |                    |           |
| 4,700.00                                                                | 4,494.33                    | 15,490.00                   | 10,980.34                   | 10.37               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 8,258.82                        | 8,217.37             | 41.46   | 199.216   |                    |           |
| 4,800.00                                                                | 4,793.91                    | 15,490.00                   | 10,980.34                   | 10.61               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 8,182.03                        | 8,140.48             | 41.55   | 196.914   |                    |           |
| 4,900.00                                                                | 4,893.49                    | 15,490.00                   | 10,980.34                   | 10.85               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 8,105.75                        | 8,064.10             | 41.65   | 194.629   |                    |           |

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit - 72H - OH - OH                              |                             |                             |                             |                     |                  |                             |                                           |                 |                                 |                      |         |         | Offset Site Error: | 0.00 usft |
|-------------------------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|-----------------------------|-------------------------------------------|-----------------|---------------------------------|----------------------|---------|---------|--------------------|-----------|
| Survey Program: 62- VES GyroFlex V2, 10428-LEAM MWD+HDGM, 15490-Project |                             |                             |                             |                     |                  |                             |                                           |                 |                                 |                      |         |         | Offset Well Error: | 0.00 usft |
| Reference                                                               |                             | Offset                      |                             | Semi Major Axis     |                  | Highside<br>Toolface<br>(") | Distance                                  |                 | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning |         |                    |           |
| Measured<br>Depth<br>(usft)                                             | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | Offset Wellbore Centre<br>+N/-S<br>(usft) | +E/-W<br>(usft) |                                 |                      |         |         |                    |           |
| 5,000.00                                                                | 4,993.07                    | 15,490.00                   | 10,980.34                   | 11.09               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 8,029.98                        | 7,988.24             | 41.74   | 192.362 |                    |           |
| 5,100.00                                                                | 5,092.65                    | 15,490.00                   | 10,980.34                   | 11.34               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 7,954.76                        | 7,912.91             | 41.84   | 190.114 |                    |           |
| 5,200.00                                                                | 5,192.23                    | 15,490.00                   | 10,980.34                   | 11.58               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 7,880.08                        | 7,838.14             | 41.94   | 187.887 |                    |           |
| 5,300.00                                                                | 5,291.81                    | 15,490.00                   | 10,980.34                   | 11.83               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 7,805.97                        | 7,763.93             | 42.04   | 185.682 |                    |           |
| 5,400.00                                                                | 5,391.39                    | 15,490.00                   | 10,980.34                   | 12.08               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 7,732.44                        | 7,690.30             | 42.14   | 183.501 |                    |           |
| 5,500.00                                                                | 5,490.97                    | 15,490.00                   | 10,980.34                   | 12.33               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 7,659.51                        | 7,617.27             | 42.24   | 181.345 |                    |           |
| 5,600.00                                                                | 5,590.55                    | 15,490.00                   | 10,980.34                   | 12.58               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 7,587.20                        | 7,544.86             | 42.34   | 179.214 |                    |           |
| 5,700.00                                                                | 5,690.13                    | 15,490.00                   | 10,980.34                   | 12.83               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 7,515.52                        | 7,473.09             | 42.43   | 177.111 |                    |           |
| 5,800.00                                                                | 5,789.71                    | 15,490.00                   | 10,980.34                   | 13.08               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 7,444.50                        | 7,401.97             | 42.53   | 175.037 |                    |           |
| 5,900.00                                                                | 5,889.29                    | 15,490.00                   | 10,980.34                   | 13.33               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 7,374.15                        | 7,331.52             | 42.63   | 172.992 |                    |           |
| 6,000.00                                                                | 5,988.87                    | 15,490.00                   | 10,980.34                   | 13.58               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 7,304.49                        | 7,261.77             | 42.72   | 170.977 |                    |           |
| 6,100.00                                                                | 6,088.45                    | 15,490.00                   | 10,980.34                   | 13.84               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 7,235.54                        | 7,192.73             | 42.82   | 168.994 |                    |           |
| 6,200.00                                                                | 6,188.03                    | 15,490.00                   | 10,980.34                   | 14.09               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 7,167.33                        | 7,124.42             | 42.91   | 167.044 |                    |           |
| 6,300.00                                                                | 6,287.61                    | 15,490.00                   | 10,980.34                   | 14.34               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 7,099.86                        | 7,056.87             | 43.00   | 165.127 |                    |           |
| 6,400.00                                                                | 6,387.19                    | 15,490.00                   | 10,980.34                   | 14.60               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 7,033.18                        | 6,990.09             | 43.08   | 163.245 |                    |           |
| 6,500.00                                                                | 6,486.77                    | 15,490.00                   | 10,980.34                   | 14.85               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 6,967.28                        | 6,924.12             | 43.17   | 161.399 |                    |           |
| 6,600.00                                                                | 6,586.35                    | 15,490.00                   | 10,980.34                   | 15.11               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 6,902.21                        | 6,858.96             | 43.25   | 159.589 |                    |           |
| 6,700.00                                                                | 6,685.93                    | 15,490.00                   | 10,980.34                   | 15.37               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 6,837.98                        | 6,794.66             | 43.33   | 157.818 |                    |           |
| 6,800.00                                                                | 6,785.51                    | 15,490.00                   | 10,980.34                   | 15.62               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 6,774.62                        | 6,731.22             | 43.40   | 156.084 |                    |           |
| 6,900.00                                                                | 6,885.09                    | 15,490.00                   | 10,980.34                   | 15.88               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 6,712.15                        | 6,668.68             | 43.48   | 154.391 |                    |           |
| 7,000.00                                                                | 6,984.68                    | 15,490.00                   | 10,980.34                   | 16.14               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 6,650.60                        | 6,607.06             | 43.54   | 152.738 |                    |           |
| 7,100.00                                                                | 7,084.26                    | 15,490.00                   | 10,980.34                   | 16.40               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 6,589.99                        | 6,546.39             | 43.61   | 151.126 |                    |           |
| 7,200.00                                                                | 7,183.84                    | 15,490.00                   | 10,980.34                   | 16.66               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 6,530.35                        | 6,486.69             | 43.66   | 149.558 |                    |           |
| 7,300.00                                                                | 7,283.42                    | 15,490.00                   | 10,980.34                   | 16.91               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 6,471.71                        | 6,427.99             | 43.72   | 148.032 |                    |           |
| 7,400.00                                                                | 7,383.00                    | 15,490.00                   | 10,980.34                   | 17.17               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 6,414.09                        | 6,370.32             | 43.77   | 146.551 |                    |           |
| 7,500.00                                                                | 7,482.58                    | 15,490.00                   | 10,980.34                   | 17.43               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 6,357.51                        | 6,313.70             | 43.81   | 145.116 |                    |           |
| 7,600.00                                                                | 7,582.16                    | 15,490.00                   | 10,980.34                   | 17.69               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 6,302.02                        | 6,258.17             | 43.85   | 143.726 |                    |           |
| 7,700.00                                                                | 7,681.74                    | 15,490.00                   | 10,980.34                   | 17.95               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 6,247.64                        | 6,203.76             | 43.88   | 142.384 |                    |           |
| 7,800.00                                                                | 7,781.32                    | 15,490.00                   | 10,980.34                   | 18.21               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 6,194.39                        | 6,150.49             | 43.90   | 141.091 |                    |           |
| 7,900.00                                                                | 7,880.90                    | 15,490.00                   | 10,980.34                   | 18.47               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 6,142.31                        | 6,098.39             | 43.92   | 139.846 |                    |           |
| 8,000.00                                                                | 7,980.48                    | 15,490.00                   | 10,980.34                   | 18.73               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 6,091.42                        | 6,047.49             | 43.93   | 138.651 |                    |           |
| 8,100.00                                                                | 8,080.06                    | 15,490.00                   | 10,980.34                   | 19.00               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 6,041.77                        | 5,997.83             | 43.94   | 137.508 |                    |           |
| 8,200.00                                                                | 8,179.64                    | 15,490.00                   | 10,980.34                   | 19.26               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 5,993.37                        | 5,949.43             | 43.93   | 136.416 |                    |           |
| 8,243.13                                                                | 8,222.58                    | 15,490.00                   | 10,980.34                   | 19.37               | 101.62           | -89.37                      | -5,265.26                                 | -771.82         | 5,972.89                        | 5,928.96             | 43.93   | 135.961 |                    |           |
| 8,300.00                                                                | 8,279.24                    | 15,490.00                   | 10,980.34                   | 19.50               | 101.62           | -89.07                      | -5,265.26                                 | -771.82         | 5,946.26                        | 5,902.35             | 43.91   | 135.421 |                    |           |
| 8,400.00                                                                | 8,378.97                    | 15,490.00                   | 10,980.34                   | 19.70               | 101.62           | -88.55                      | -5,265.26                                 | -771.82         | 5,900.49                        | 5,856.65             | 43.84   | 134.598 |                    |           |
| 8,500.00                                                                | 8,478.82                    | 15,490.00                   | 10,980.34                   | 19.89               | 101.62           | -88.06                      | -5,265.26                                 | -771.82         | 5,856.11                        | 5,812.36             | 43.75   | 133.841 |                    |           |
| 8,600.00                                                                | 8,578.74                    | 15,490.00                   | 10,980.34                   | 20.08               | 101.62           | -87.58                      | -5,265.26                                 | -771.82         | 5,813.17                        | 5,769.51             | 43.66   | 133.154 |                    |           |
| 8,700.00                                                                | 8,678.72                    | 15,490.00                   | 10,980.34                   | 20.26               | 101.62           | -87.13                      | -5,265.26                                 | -771.82         | 5,771.71                        | 5,728.16             | 43.55   | 132.537 |                    |           |
| 8,768.36                                                                | 8,747.08                    | 15,490.00                   | 10,980.34                   | 20.38               | 101.62           | -176.83                     | -5,265.26                                 | -771.82         | 5,744.24                        | 5,700.78             | 43.47   | 132.154 |                    |           |
| 8,800.00                                                                | 8,778.72                    | 15,490.00                   | 10,980.34                   | 20.44               | 101.62           | -176.83                     | -5,265.26                                 | -771.82         | 5,731.77                        | 5,688.34             | 43.43   | 131.975 |                    |           |
| 8,900.00                                                                | 8,878.72                    | 15,490.00                   | 10,980.34                   | 20.64               | 101.62           | -176.83                     | -5,265.26                                 | -771.82         | 5,693.33                        | 5,650.00             | 43.32   | 131.414 |                    |           |
| 9,000.00                                                                | 8,978.72                    | 15,490.00                   | 10,980.34                   | 20.84               | 101.62           | -176.83                     | -5,265.26                                 | -771.82         | 5,656.39                        | 5,613.18             | 43.21   | 130.913 |                    |           |
| 9,068.36                                                                | 9,047.08                    | 15,490.00                   | 10,980.34                   | 20.97               | 101.62           | -176.83                     | -5,265.26                                 | -771.82         | 5,632.02                        | 5,588.90             | 43.12   | 130.605 |                    |           |
| 9,100.00                                                                | 9,078.70                    | 15,490.00                   | 10,980.34                   | 21.03               | 101.62           | 3.67                        | -5,265.26                                 | -771.82         | 5,620.18                        | 5,577.09             | 43.08   | 130.455 |                    |           |
| 9,150.00                                                                | 9,128.44                    | 15,490.00                   | 10,980.34                   | 21.12               | 101.62           | 3.83                        | -5,265.26                                 | -771.82         | 5,598.51                        | 5,555.50             | 43.01   | 130.155 |                    |           |
| 9,200.00                                                                | 9,177.57                    | 15,490.00                   | 10,980.34                   | 21.21               | 101.62           | 4.03                        | -5,265.26                                 | -771.82         | 5,573.36                        | 5,530.40             | 42.95   | 129.759 |                    |           |
| 9,250.00                                                                | 9,225.69                    | 15,490.00                   | 10,980.34                   | 21.30               | 101.62           | 4.28                        | -5,265.26                                 | -771.82         | 5,544.85                        | 5,501.96             | 42.89   | 129.277 |                    |           |
| 9,300.00                                                                | 9,272.46                    | 15,490.00                   | 10,980.34                   | 21.40               | 101.62           | 4.59                        | -5,265.26                                 | -771.82         | 5,513.16                        | 5,470.32             | 42.83   | 128.710 |                    |           |
| 9,350.00                                                                | 9,317.51                    | 15,490.00                   | 10,980.34                   | 21.49               | 101.62           | 5.00                        | -5,265.26                                 | -771.82         | 5,478.47                        | 5,435.69             | 42.78   | 128.061 |                    |           |
| 9,400.00                                                                | 9,360.51                    | 15,490.00                   | 10,980.34                   | 21.59               | 101.62           | 5.52                        | -5,265.26                                 | -771.82         | 5,441.00                        | 5,398.27             | 42.73   | 127.334 |                    |           |
| 9,450.00                                                                | 9,401.12                    | 15,490.00                   | 10,980.34                   | 21.69               | 101.62           | 6.20                        | -5,265.26                                 | -771.82         | 5,400.97                        | 5,358.28             | 42.68   | 126.532 |                    |           |

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit - 72H - OH - OH                              |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.00 usft |
|-------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 62- VES GyroFlex V2, 10428-LEAM MWD+HDGM, 15490-Project |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.00 usft |
| Reference                                                               | Offset                |                       | Semi Major Axis       |                  | Distance      |                       | Minimum Separation                  |              | Separation Factor      |                         | Warning                   |                   |                    |           |
| Measured Depth (usft)                                                   | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (") | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |           |
| 9,500.00                                                                | 9,439.03              | 15,490.00             | 10,980.34             | 21.80            | 101.62        | 7.12                  | -5,265.26                           | -771.82      | 5,358.63               | 5,315.99                | 42.64                     | 125.659           |                    |           |
| 9,550.00                                                                | 9,473.97              | 15,490.00             | 10,980.34             | 21.91            | 101.62        | 8.43                  | -5,265.26                           | -771.82      | 5,314.27               | 5,271.66                | 42.61                     | 124.720           |                    |           |
| 9,600.00                                                                | 9,505.65              | 15,490.00             | 10,980.34             | 22.04            | 101.62        | 10.38                 | -5,265.26                           | -771.82      | 5,268.16               | 5,225.58                | 42.58                     | 123.720           |                    |           |
| 9,650.00                                                                | 9,533.84              | 15,490.00             | 10,980.34             | 22.18            | 101.62        | 13.58                 | -5,265.26                           | -771.82      | 5,220.61               | 5,178.05                | 42.56                     | 122.664           |                    |           |
| 9,700.00                                                                | 9,558.33              | 15,490.00             | 10,980.34             | 22.35            | 101.62        | 19.63                 | -5,265.26                           | -771.82      | 5,171.96               | 5,129.42                | 42.55                     | 121.558           |                    |           |
| 9,750.00                                                                | 9,578.93              | 15,490.00             | 10,980.34             | 22.54            | 101.62        | 34.43                 | -5,265.26                           | -771.82      | 5,122.55               | 5,080.01                | 42.54                     | 120.407           |                    |           |
| 9,800.00                                                                | 9,595.48              | 15,490.00             | 10,980.34             | 22.75            | 101.62        | 83.37                 | -5,265.26                           | -771.82      | 5,072.74               | 5,030.19                | 42.55                     | 119.218           |                    |           |
| 9,850.00                                                                | 9,607.86              | 15,490.00             | 10,980.34             | 22.99            | 101.62        | 140.53                | -5,265.26                           | -771.82      | 5,022.89               | 4,980.32                | 42.57                     | 117.995           |                    |           |
| 9,900.00                                                                | 9,615.96              | 15,490.00             | 10,980.34             | 23.25            | 101.62        | 158.37                | -5,265.26                           | -771.82      | 4,973.40               | 4,930.80                | 42.60                     | 116.746           |                    |           |
| 9,950.00                                                                | 9,619.74              | 15,490.00             | 10,980.34             | 23.55            | 101.62        | 165.25                | -5,265.26                           | -771.82      | 4,924.66               | 4,882.01                | 42.65                     | 115.476           |                    |           |
| 9,974.90                                                                | 9,620.00              | 15,490.00             | 10,980.34             | 23.70            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 4,900.78               | 4,858.11                | 42.67                     | 114.841           |                    |           |
| 10,000.00                                                               | 9,619.71              | 15,490.00             | 10,980.34             | 27.27            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 4,876.89               | 4,830.99                | 45.90                     | 106.248           |                    |           |
| 10,100.00                                                               | 9,618.57              | 15,490.00             | 10,980.34             | 27.34            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 4,781.80               | 4,735.71                | 46.09                     | 103.751           |                    |           |
| 10,200.00                                                               | 9,617.43              | 15,490.00             | 10,980.34             | 27.41            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 4,686.92               | 4,640.64                | 46.29                     | 101.262           |                    |           |
| 10,300.00                                                               | 9,616.29              | 15,490.00             | 10,980.34             | 27.49            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 4,592.26               | 4,545.77                | 46.49                     | 98.781            |                    |           |
| 10,400.00                                                               | 9,615.15              | 15,490.00             | 10,980.34             | 27.57            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 4,497.82               | 4,451.12                | 46.70                     | 96.310            |                    |           |
| 10,500.00                                                               | 9,614.00              | 15,490.00             | 10,980.34             | 27.66            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 4,403.64               | 4,356.71                | 46.92                     | 93.848            |                    |           |
| 10,600.00                                                               | 9,612.86              | 15,490.00             | 10,980.34             | 27.74            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 4,309.71               | 4,262.56                | 47.15                     | 91.396            |                    |           |
| 10,700.00                                                               | 9,611.72              | 15,490.00             | 10,980.34             | 27.83            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 4,216.06               | 4,168.67                | 47.40                     | 88.954            |                    |           |
| 10,800.00                                                               | 9,610.58              | 15,490.00             | 10,980.34             | 27.92            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 4,122.71               | 4,075.07                | 47.65                     | 86.523            |                    |           |
| 10,900.00                                                               | 9,609.44              | 15,490.00             | 10,980.34             | 28.02            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 4,029.69               | 3,981.77                | 47.91                     | 84.104            |                    |           |
| 11,000.00                                                               | 9,608.29              | 15,490.00             | 10,980.34             | 28.12            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 3,937.00               | 3,888.81                | 48.19                     | 81.696            |                    |           |
| 11,100.00                                                               | 9,607.15              | 15,490.00             | 10,980.34             | 28.22            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 3,844.68               | 3,796.20                | 48.48                     | 79.301            |                    |           |
| 11,200.00                                                               | 9,606.01              | 15,490.00             | 10,980.34             | 28.32            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 3,752.75               | 3,703.96                | 48.79                     | 76.920            |                    |           |
| 11,300.00                                                               | 9,604.87              | 15,490.00             | 10,980.34             | 28.43            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 3,661.25               | 3,612.14                | 49.11                     | 74.552            |                    |           |
| 11,400.00                                                               | 9,603.72              | 15,490.00             | 10,980.34             | 28.55            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 3,570.20               | 3,520.75                | 49.45                     | 72.198            |                    |           |
| 11,500.00                                                               | 9,602.58              | 15,490.00             | 10,980.34             | 28.67            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 3,479.64               | 3,429.83                | 49.81                     | 69.861            |                    |           |
| 11,600.00                                                               | 9,601.44              | 15,490.00             | 10,980.34             | 28.80            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 3,389.62               | 3,339.43                | 50.19                     | 67.539            |                    |           |
| 11,700.00                                                               | 9,600.30              | 15,490.00             | 10,980.34             | 28.93            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 3,300.16               | 3,249.57                | 50.59                     | 65.235            |                    |           |
| 11,800.00                                                               | 9,599.16              | 15,490.00             | 10,980.34             | 29.08            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 3,211.33               | 3,160.32                | 51.01                     | 62.949            |                    |           |
| 11,900.00                                                               | 9,598.01              | 15,490.00             | 10,980.34             | 29.24            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 3,123.18               | 3,071.71                | 51.47                     | 60.683            |                    |           |
| 12,000.00                                                               | 9,596.87              | 15,490.00             | 10,980.34             | 29.42            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 3,035.76               | 2,983.81                | 51.95                     | 58.438            |                    |           |
| 12,100.00                                                               | 9,595.73              | 15,490.00             | 10,980.34             | 29.62            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 2,949.14               | 2,896.68                | 52.46                     | 56.215            |                    |           |
| 12,200.00                                                               | 9,594.59              | 15,490.00             | 10,980.34             | 29.85            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 2,863.39               | 2,810.38                | 53.01                     | 54.017            |                    |           |
| 12,300.00                                                               | 9,593.45              | 15,490.00             | 10,980.34             | 30.10            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 2,778.60               | 2,725.00                | 53.60                     | 51.844            |                    |           |
| 12,400.00                                                               | 9,592.30              | 15,490.00             | 10,980.34             | 30.40            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 2,694.85               | 2,640.63                | 54.22                     | 49.700            |                    |           |
| 12,500.00                                                               | 9,591.16              | 15,490.00             | 10,980.34             | 30.73            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 2,612.24               | 2,557.34                | 54.90                     | 47.586            |                    |           |
| 12,600.00                                                               | 9,590.02              | 15,490.00             | 10,980.34             | 31.09            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 2,530.89               | 2,475.27                | 55.62                     | 45.505            |                    |           |
| 12,700.00                                                               | 9,588.88              | 15,490.00             | 10,980.34             | 31.49            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 2,450.91               | 2,394.52                | 56.39                     | 43.460            |                    |           |
| 12,800.00                                                               | 9,587.73              | 15,490.00             | 10,980.34             | 31.93            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 2,372.46               | 2,315.23                | 57.23                     | 41.455            |                    |           |
| 12,900.00                                                               | 9,586.59              | 15,490.00             | 10,980.34             | 32.38            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 2,295.68               | 2,237.55                | 58.13                     | 39.493            |                    |           |
| 13,000.00                                                               | 9,585.45              | 15,490.00             | 10,980.34             | 32.87            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 2,220.75               | 2,161.66                | 59.10                     | 37.579            |                    |           |
| 13,100.00                                                               | 9,584.31              | 15,490.00             | 10,980.34             | 33.37            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 2,147.87               | 2,087.73                | 60.13                     | 35.718            |                    |           |
| 13,200.00                                                               | 9,583.17              | 15,490.00             | 10,980.34             | 33.88            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 2,077.24               | 2,015.99                | 61.25                     | 33.915            |                    |           |
| 13,300.00                                                               | 9,582.02              | 15,490.00             | 10,980.34             | 34.42            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 2,009.11               | 1,946.66                | 62.44                     | 32.175            |                    |           |
| 13,400.00                                                               | 9,580.88              | 15,490.00             | 10,980.34             | 34.96            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 1,943.73               | 1,880.02                | 63.72                     | 30.507            |                    |           |
| 13,500.00                                                               | 9,579.74              | 15,490.00             | 10,980.34             | 35.52            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 1,881.41               | 1,816.34                | 65.07                     | 28.915            |                    |           |
| 13,600.00                                                               | 9,578.60              | 15,490.00             | 10,980.34             | 36.09            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 1,822.44               | 1,755.95                | 66.49                     | 27.409            |                    |           |
| 13,700.00                                                               | 9,577.46              | 15,490.00             | 10,980.34             | 36.67            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 1,767.16               | 1,699.18                | 67.98                     | 25.996            |                    |           |
| 13,800.00                                                               | 9,576.31              | 15,490.00             | 10,980.34             | 37.25            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 1,715.94               | 1,646.42                | 69.52                     | 24.683            |                    |           |
| 13,900.00                                                               | 9,575.17              | 15,490.00             | 10,980.34             | 37.84            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 1,669.15               | 1,598.05                | 71.09                     | 23.479            |                    |           |
| 14,000.00                                                               | 9,574.03              | 15,490.00             | 10,980.34             | 38.45            | 101.62        | 167.25                | -5,265.26                           | -771.82      | 1,627.16               | 1,554.48                | 72.67                     | 22.390            |                    |           |

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit - 72H - OH - OH                              |                             |                             |                             |                     |                  |                             |                                           |                 |                              |                               |                                 |                      | Offset Site Error: | 0.00 usft |
|-------------------------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|-----------------------------|-------------------------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|----------------------|--------------------|-----------|
| Survey Program: 62- VES GyroFlex V2, 10428-LEAM MWD+HDGM, 15490-Project |                             |                             |                             |                     |                  |                             |                                           |                 |                              |                               |                                 |                      | Offset Well Error: | 0.00 usft |
| Measured<br>Depth<br>(usft)                                             | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) | Highside<br>Toolface<br>(°) | Offset Wellbore Centre<br>+N/-S<br>(usft) | +E/-W<br>(usft) | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning            |           |
| 14,100.00                                                               | 9,572.89                    | 15,490.00                   | 10,980.34                   | 39.05               | 101.62           | 167.25                      | -5,265.26                                 | -771.82         | 1,590.35                     | 1,516.12                      | 74.23                           | 21.424               |                    |           |
| 14,200.00                                                               | 9,571.75                    | 15,490.00                   | 10,980.34                   | 39.67               | 101.62           | 167.25                      | -5,265.26                                 | -771.82         | 1,559.11                     | 1,483.37                      | 75.73                           | 20.587               |                    |           |
| 14,300.00                                                               | 9,570.60                    | 15,490.00                   | 10,980.34                   | 40.29               | 101.62           | 167.25                      | -5,265.26                                 | -771.82         | 1,533.76                     | 1,456.61                      | 77.14                           | 19.883               |                    |           |
| 14,400.00                                                               | 9,569.46                    | 15,490.00                   | 10,980.34                   | 40.91               | 101.62           | 167.25                      | -5,265.26                                 | -771.82         | 1,514.59                     | 1,436.18                      | 78.41                           | 19.316               |                    |           |
| 14,500.00                                                               | 9,568.32                    | 15,490.00                   | 10,980.34                   | 41.54               | 101.62           | 167.25                      | -5,265.26                                 | -771.82         | 1,501.86                     | 1,422.35                      | 79.51                           | 18.888               |                    |           |
| 14,600.00                                                               | 9,567.18                    | 15,490.00                   | 10,980.34                   | 42.18               | 101.62           | 167.25                      | -5,265.26                                 | -771.82         | 1,495.72                     | 1,415.31                      | 80.41                           | 18.601               |                    |           |
| 14,642.05                                                               | 9,566.70                    | 15,490.00                   | 10,980.34                   | 42.45               | 101.62           | 167.25                      | -5,265.26                                 | -771.82         | 1,495.13                     | 1,414.40                      | 80.72                           | 18.522 CC, ES        |                    |           |
| 14,700.00                                                               | 9,566.03                    | 15,490.00                   | 10,980.34                   | 42.82               | 101.62           | 167.25                      | -5,265.26                                 | -771.82         | 1,496.25                     | 1,415.17                      | 81.08                           | 18.453 SF            |                    |           |
| 14,800.00                                                               | 9,564.89                    | 15,401.39                   | 10,984.84                   | 43.46               | 100.81           | 167.40                      | -5,353.68                                 | -768.19         | 1,501.45                     | 1,420.26                      | 81.19                           | 18.493               |                    |           |
| 14,900.00                                                               | 9,563.75                    | 15,292.44                   | 10,989.10                   | 44.11               | 98.54            | 167.61                      | -5,462.42                                 | -763.04         | 1,505.51                     | 1,424.63                      | 80.88                           | 18.614               |                    |           |
| 15,000.00                                                               | 9,562.61                    | 15,198.47                   | 10,992.89                   | 44.76               | 96.71            | 167.79                      | -5,556.22                                 | -758.66         | 1,509.73                     | 1,428.94                      | 80.79                           | 18.688               |                    |           |
| 15,100.00                                                               | 9,561.47                    | 15,107.81                   | 10,997.01                   | 45.42               | 94.75            | 167.96                      | -5,646.68                                 | -754.46         | 1,514.47                     | 1,433.75                      | 80.72                           | 18.761               |                    |           |
| 15,200.00                                                               | 9,560.32                    | 15,008.03                   | 11,001.81                   | 46.08               | 92.48            | 168.13                      | -5,746.26                                 | -750.34         | 1,519.59                     | 1,439.04                      | 80.56                           | 18.864               |                    |           |
| 15,300.00                                                               | 9,559.18                    | 14,903.99                   | 11,006.56                   | 46.74               | 90.07            | 168.30                      | -5,850.12                                 | -746.32         | 1,524.54                     | 1,444.18                      | 80.36                           | 18.972               |                    |           |
| 15,400.00                                                               | 9,558.04                    | 14,782.38                   | 11,010.63                   | 47.41               | 87.35            | 168.46                      | -5,971.59                                 | -742.17         | 1,528.35                     | 1,448.35                      | 79.99                           | 19.106               |                    |           |
| 15,500.00                                                               | 9,556.90                    | 14,691.54                   | 11,013.34                   | 48.08               | 85.34            | 168.53                      | -6,062.37                                 | -740.29         | 1,532.12                     | 1,452.08                      | 80.03                           | 19.144               |                    |           |
| 15,600.00                                                               | 9,555.76                    | 14,591.02                   | 11,016.39                   | 48.75               | 83.31            | 168.60                      | -6,162.82                                 | -738.57         | 1,536.02                     | 1,456.02                      | 80.00                           | 19.201               |                    |           |
| 15,700.00                                                               | 9,554.61                    | 14,497.46                   | 11,019.54                   | 49.43               | 81.55            | 168.68                      | -6,256.31                                 | -736.70         | 1,540.18                     | 1,460.14                      | 80.04                           | 19.242               |                    |           |
| 15,800.00                                                               | 9,553.47                    | 14,399.69                   | 11,023.19                   | 50.10               | 79.44            | 168.76                      | -6,354.00                                 | -734.64         | 1,544.69                     | 1,464.66                      | 80.02                           | 19.303               |                    |           |
| 15,900.00                                                               | 9,552.33                    | 14,290.54                   | 11,027.00                   | 50.79               | 76.97            | 168.86                      | -6,463.05                                 | -732.14         | 1,548.94                     | 1,469.05                      | 79.89                           | 19.389               |                    |           |
| 16,000.00                                                               | 9,551.19                    | 14,183.18                   | 11,029.94                   | 51.47               | 74.72            | 168.93                      | -6,570.35                                 | -730.19         | 1,552.52                     | 1,472.72                      | 79.80                           | 19.454               |                    |           |
| 16,100.00                                                               | 9,550.05                    | 14,078.66                   | 11,032.67                   | 52.15               | 72.49            | 169.03                      | -6,674.80                                 | -727.31         | 1,555.83                     | 1,476.09                      | 79.74                           | 19.511               |                    |           |
| 16,200.00                                                               | 9,548.90                    | 13,977.18                   | 11,035.33                   | 52.84               | 70.32            | 169.18                      | -6,776.15                                 | -723.15         | 1,558.88                     | 1,479.19                      | 79.70                           | 19.561               |                    |           |
| 16,300.00                                                               | 9,547.76                    | 13,883.30                   | 11,037.92                   | 53.53               | 68.45            | 169.33                      | -6,869.92                                 | -719.22         | 1,562.08                     | 1,482.33                      | 79.75                           | 19.587               |                    |           |
| 16,400.00                                                               | 9,546.62                    | 13,774.35                   | 11,041.13                   | 54.22               | 66.13            | 169.51                      | -6,978.69                                 | -714.06         | 1,565.38                     | 1,485.73                      | 79.64                           | 19.655               |                    |           |
| 16,500.00                                                               | 9,545.48                    | 13,674.12                   | 11,043.76                   | 54.92               | 63.89            | 169.71                      | -7,078.74                                 | -708.46         | 1,568.20                     | 1,488.58                      | 79.62                           | 19.695               |                    |           |
| 16,600.00                                                               | 9,544.33                    | 13,575.00                   | 11,046.35                   | 55.61               | 61.75            | 169.90                      | -7,177.68                                 | -703.18         | 1,571.09                     | 1,491.45                      | 79.64                           | 19.728               |                    |           |
| 16,700.00                                                               | 9,543.19                    | 13,481.00                   | 11,049.06                   | 56.31               | 59.87            | 170.06                      | -7,271.53                                 | -698.75         | 1,574.35                     | 1,494.61                      | 79.74                           | 19.744               |                    |           |
| 16,800.00                                                               | 9,542.05                    | 13,394.75                   | 11,051.97                   | 57.01               | 57.99            | 170.19                      | -7,357.67                                 | -695.35         | 1,578.23                     | 1,498.32                      | 79.91                           | 19.749               |                    |           |
| 16,900.00                                                               | 9,540.91                    | 13,249.24                   | 11,054.57                   | 57.71               | 54.85            | 170.40                      | -7,503.01                                 | -688.99         | 1,580.28                     | 1,500.71                      | 79.57                           | 19.861               |                    |           |
| 16,979.53                                                               | 9,540.00                    | 13,169.48                   | 11,055.38                   | 58.27               | 53.15            | 170.51                      | -7,582.69                                 | -685.54         | 1,581.50                     | 1,501.86                      | 79.64                           | 19.858               |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit (Offsets) - 56H - OH - OH             |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.00 usft |
|------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 83-ISCWSA-GYRO-3, 1470-MWD-ISCWSA, 15982-Project |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.00 usft |
| Reference                                                        | Offset                |                       | Semi Major Axis       |                  | Distance      |                       |                                     |              |                        |                         |                           |                   |                    |           |
| Measured Depth (usft)                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning            |           |
| 0.00                                                             | 0.00                  | 0.00                  | 0.00                  | 0.00             | 0.00          | -175.10               | -4,754.62                           | -407.69      | 4,772.12               |                         |                           |                   |                    |           |
| 100.00                                                           | 100.00                | 77.01                 | 77.01                 | 0.09             | 0.06          | -175.10               | -4,754.61                           | -407.91      | 4,772.08               | 4,771.94                | 0.13                      | N/A               |                    |           |
| 200.00                                                           | 200.00                | 183.15                | 183.14                | 0.31             | 0.23          | -175.09               | -4,754.50                           | -408.66      | 4,772.04               | 4,771.50                | 0.54                      | 8,892.899         |                    |           |
| 300.00                                                           | 300.00                | 289.61                | 289.60                | 0.54             | 0.41          | -175.08               | -4,754.25                           | -409.51      | 4,771.87               | 4,770.92                | 0.95                      | 5,035.569         |                    |           |
| 400.00                                                           | 400.00                | 392.56                | 392.55                | 0.76             | 0.60          | -175.07               | -4,753.86                           | -410.32      | 4,771.56               | 4,770.21                | 1.35                      | 3,528.515         |                    |           |
| 500.00                                                           | 500.00                | 490.65                | 490.64                | 0.99             | 0.77          | -175.06               | -4,753.53                           | -411.07      | 4,771.29               | 4,769.54                | 1.75                      | 2,729.269         |                    |           |
| 600.00                                                           | 600.00                | 597.71                | 597.70                | 1.21             | 0.95          | -175.05               | -4,753.12                           | -411.88      | 4,770.97               | 4,768.81                | 2.16                      | 2,208.451         |                    |           |
| 700.00                                                           | 700.00                | 693.07                | 693.05                | 1.43             | 1.12          | -175.04               | -4,752.67                           | -412.53      | 4,770.57               | 4,768.01                | 2.55                      | 1,869.722         |                    |           |
| 800.00                                                           | 800.00                | 786.10                | 786.07                | 1.66             | 1.28          | -175.03               | -4,752.40                           | -413.13      | 4,770.33               | 4,767.40                | 2.94                      | 1,623.368         |                    |           |
| 900.00                                                           | 900.00                | 884.27                | 884.25                | 1.88             | 1.46          | -175.03               | -4,752.23                           | -413.58      | 4,770.20               | 4,766.86                | 3.33                      | 1,430.467         |                    |           |
| 1,000.00                                                         | 1,000.00              | 985.27                | 985.25                | 2.11             | 1.63          | -175.02               | -4,752.06                           | -413.93      | 4,770.06               | 4,766.32                | 3.74                      | 1,276.825         |                    |           |
| 1,100.00                                                         | 1,100.00              | 1,085.19              | 1,085.16              | 2.33             | 1.81          | -175.02               | -4,751.88                           | -414.21      | 4,769.90               | 4,765.77                | 4.14                      | 1,153.492         |                    |           |
| 1,200.00                                                         | 1,200.00              | 1,191.43              | 1,191.40              | 2.56             | 2.00          | -175.01               | -4,751.63                           | -414.47      | 4,769.70               | 4,765.15                | 4.55                      | 1,049.275         |                    |           |
| 1,300.00                                                         | 1,300.00              | 1,292.32              | 1,292.29              | 2.78             | 2.14          | -175.01               | -4,751.33                           | -414.71      | 4,769.42               | 4,764.50                | 4.92                      | 970.245           |                    |           |
| 1,400.00                                                         | 1,400.00              | 1,395.98              | 1,395.95              | 3.01             | 2.24          | -175.01               | -4,750.96                           | -414.91      | 4,769.08               | 4,763.84                | 5.24                      | 910.588           |                    |           |
| 1,500.00                                                         | 1,500.00              | 1,498.02              | 1,497.99              | 3.23             | 2.32          | -175.01               | -4,750.54                           | -414.94      | 4,768.67               | 4,763.13                | 5.54                      | 860.657           |                    |           |
| 1,600.00                                                         | 1,600.00              | 1,607.17              | 1,607.12              | 3.46             | 2.36          | -175.03               | -4,750.24                           | -412.80      | 4,768.23               | 4,762.42                | 5.81                      | 820.589           |                    |           |
| 1,700.00                                                         | 1,700.00              | 1,713.80              | 1,713.56              | 3.68             | 2.43          | -175.11               | -4,749.95                           | -406.56      | 4,767.45               | 4,761.34                | 6.11                      | 780.784           |                    |           |
| 1,800.00                                                         | 1,800.00              | 1,800.17              | 1,799.55              | 3.91             | 2.51          | -175.21               | -4,750.10                           | -398.46      | 4,766.83               | 4,760.42                | 6.41                      | 743.355           |                    |           |
| 1,900.00                                                         | 1,900.00              | 1,883.61              | 1,882.52              | 4.13             | 2.60          | -175.31               | -4,750.60                           | -389.73      | 4,766.56               | 4,759.83                | 6.73                      | 707.988           |                    |           |
| 2,000.00                                                         | 2,000.00              | 2,140.96              | 2,138.05              | 4.36             | 3.00          | -175.67               | -4,749.18                           | -359.48      | 4,765.45               | 4,758.10                | 7.35                      | 647.994           |                    |           |
| 2,100.00                                                         | 2,100.00              | 2,223.00              | 2,219.34              | 4.58             | 3.17          | -175.80               | -4,747.30                           | -348.59      | 4,762.18               | 4,754.43                | 7.74                      | 614.984           |                    |           |
| 2,200.00                                                         | 2,200.00              | 2,289.01              | 2,284.87              | 4.81             | 3.29          | -175.89               | -4,746.11                           | -340.77      | 4,759.53               | 4,751.44                | 8.09                      | 588.408           |                    |           |
| 2,300.00                                                         | 2,300.00              | 2,355.51              | 2,351.07              | 5.03             | 3.40          | -175.97               | -4,745.32                           | -334.49      | 4,757.66               | 4,749.23                | 8.43                      | 564.475           |                    |           |
| 2,400.00                                                         | 2,400.00              | 2,425.79              | 2,421.18              | 5.26             | 3.52          | -176.03               | -4,744.80                           | -329.66      | 4,756.44               | 4,747.67                | 8.77                      | 542.412           |                    |           |
| 2,500.00                                                         | 2,500.00              | 2,507.00              | 2,502.32              | 5.48             | 3.65          | -176.06               | -4,744.58                           | -326.41      | 4,755.86               | 4,746.73                | 9.13                      | 521.062           |                    |           |
| 2,565.24                                                         | 2,565.24              | 2,547.92              | 2,543.24              | 5.63             | 3.71          | -176.07               | -4,744.60                           | -325.62      | 4,755.76               | 4,746.42                | 9.33                      | 509.567           |                    |           |
| 2,600.00                                                         | 2,600.00              | 2,576.35              | 2,571.67              | 5.71             | 3.75          | -176.08               | -4,744.64                           | -325.32      | 4,755.78               | 4,746.33                | 9.45                      | 503.148           |                    |           |
| 2,700.00                                                         | 2,700.00              | 2,667.65              | 2,662.96              | 5.93             | 3.88          | -176.08               | -4,744.87                           | -325.36      | 4,756.04               | 4,746.23                | 9.81                      | 484.996           |                    |           |
| 2,800.00                                                         | 2,800.00              | 2,790.40              | 2,785.72              | 6.15             | 4.06          | -176.07               | -4,745.00                           | -326.02      | 4,756.19               | 4,745.98                | 10.21                     | 465.785           |                    |           |
| 2,900.00                                                         | 2,900.00              | 2,890.45              | 2,885.76              | 6.38             | 4.22          | -176.07               | -4,744.82                           | -326.25      | 4,756.03               | 4,745.44                | 10.60                     | 448.847           |                    |           |
| 3,000.00                                                         | 3,000.00              | 2,991.47              | 2,986.78              | 6.60             | 4.38          | -176.07               | -4,744.65                           | -326.27      | 4,755.87               | 4,744.88                | 10.98                     | 433.020           |                    |           |
| 3,100.00                                                         | 3,099.99              | 3,098.59              | 3,093.90              | 6.81             | 4.56          | -86.08                | -4,744.34                           | -326.64      | 4,755.54               | 4,744.17                | 11.37                     | 418.321           |                    |           |
| 3,200.00                                                         | 3,199.96              | 3,205.44              | 3,200.75              | 7.01             | 4.73          | -86.11                | -4,743.87                           | -327.33      | 4,754.97               | 4,743.23                | 11.74                     | 404.927           |                    |           |
| 3,300.00                                                         | 3,299.86              | 3,308.88              | 3,304.18              | 7.21             | 4.91          | -86.16                | -4,743.27                           | -327.83      | 4,754.12               | 4,742.00                | 12.12                     | 392.216           |                    |           |
| 3,400.00                                                         | 3,399.68              | 3,402.42              | 3,397.72              | 7.42             | 5.07          | -86.24                | -4,742.77                           | -328.17      | 4,753.21               | 4,740.72                | 12.49                     | 380.613           |                    |           |
| 3,500.00                                                         | 3,499.37              | 3,500.06              | 3,495.36              | 7.63             | 5.25          | -86.33                | -4,742.40                           | -328.47      | 4,752.34               | 4,739.47                | 12.87                     | 369.274           |                    |           |
| 3,525.23                                                         | 3,524.50              | 3,526.53              | 3,521.83              | 7.68             | 5.29          | -86.36                | -4,742.29                           | -328.51      | 4,752.09               | 4,739.12                | 12.97                     | 366.385           |                    |           |
| 3,600.00                                                         | 3,598.95              | 3,596.87              | 3,592.17              | 7.84             | 5.42          | -86.44                | -4,742.02                           | -328.61      | 4,751.38               | 4,738.12                | 13.26                     | 358.419           |                    |           |
| 3,700.00                                                         | 3,698.53              | 3,701.67              | 3,696.97              | 8.06             | 5.61          | -86.55                | -4,741.67                           | -328.89      | 4,750.50               | 4,736.84                | 13.66                     | 347.697           |                    |           |
| 3,800.00                                                         | 3,798.11              | 3,797.57              | 3,792.87              | 8.28             | 5.78          | -86.66                | -4,741.23                           | -329.01      | 4,749.51               | 4,735.45                | 14.06                     | 337.838           |                    |           |
| 3,900.00                                                         | 3,897.69              | 3,903.86              | 3,899.16              | 8.50             | 5.98          | -86.77                | -4,740.83                           | -329.18      | 4,748.62               | 4,734.14                | 14.48                     | 327.998           |                    |           |
| 4,000.00                                                         | 3,997.27              | 3,992.12              | 3,987.42              | 8.73             | 6.14          | -86.87                | -4,740.45                           | -329.37      | 4,747.69               | 4,732.82                | 14.87                     | 319.348           |                    |           |
| 4,100.00                                                         | 4,096.85              | 4,090.17              | 4,085.46              | 8.96             | 6.33          | -86.97                | -4,740.24                           | -329.62      | 4,747.00               | 4,731.72                | 15.28                     | 310.692           |                    |           |
| 4,200.00                                                         | 4,196.43              | 4,174.69              | 4,169.98              | 9.19             | 6.49          | -87.06                | -4,740.14                           | -329.81      | 4,746.41               | 4,730.74                | 15.67                     | 302.931           |                    |           |
| 4,300.00                                                         | 4,296.01              | 4,268.59              | 4,263.88              | 9.42             | 6.66          | -87.16                | -4,740.31                           | -330.39      | 4,746.16               | 4,730.08                | 16.08                     | 295.233           |                    |           |
| 4,400.00                                                         | 4,395.59              | 4,368.57              | 4,363.86              | 9.65             | 6.85          | -87.26                | -4,740.48                           | -330.88      | 4,745.91               | 4,729.41                | 16.50                     | 287.632           |                    |           |
| 4,479.05                                                         | 4,474.31              | 4,436.86              | 4,432.15              | 9.84             | 6.99          | -87.34                | -4,740.68                           | -330.63      | 4,745.80               | 4,728.97                | 16.82                     | 282.149           |                    |           |
| 4,500.00                                                         | 4,495.17              | 4,453.70              | 4,448.99              | 9.89             | 7.02          | -87.36                | -4,740.77                           | -330.50      | 4,745.80               | 4,728.90                | 16.90                     | 280.768           |                    |           |
| 4,600.00                                                         | 4,594.75              | 4,542.93              | 4,538.21              | 10.13            | 7.20          | -87.47                | -4,741.42                           | -329.38      | 4,746.06               | 4,728.74                | 17.32                     | 274.026           |                    |           |
| 4,700.00                                                         | 4,694.33              | 4,643.03              | 4,638.30              | 10.37            | 7.40          | -87.60                | -4,742.22                           | -327.75      | 4,746.39               | 4,728.63                | 17.76                     | 267.210           |                    |           |
| 4,800.00                                                         | 4,793.91              | 4,736.98              | 4,732.22              | 10.61            | 7.59          | -87.73                | -4,743.00                           | -325.97      | 4,746.78               | 4,728.58                | 18.20                     | 260.871           |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit (Offsets) - 56H - OH - OH             |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.00 usft |
|------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 83-ISCWSA-GYRO-3, 1470-MWD-ISCWSA, 15982-Project |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.00 usft |
| Reference                                                        | Offset                |                       | Semi Major Axis       |                  | Distance      |                       | Minimum Separation                  |              | Separation Factor      |                         | Warning                   |                   |                    |           |
| Measured Depth (usft)                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |           |
| 4,900.00                                                         | 4,893.49              | 4,825.84              | 4,821.06              | 10.85            | 7.78          | -87.85                | -4,743.91                           | -324.01      | 4,747.37               | 4,728.75                | 18.62                     | 254.933           |                    |           |
| 5,000.00                                                         | 4,993.07              | 4,914.16              | 4,909.33              | 11.09            | 7.96          | -87.98                | -4,745.05                           | -321.37      | 4,748.22               | 4,729.17                | 19.05                     | 249.237           |                    |           |
| 5,100.00                                                         | 5,092.65              | 5,008.77              | 5,003.88              | 11.34            | 8.16          | -88.12                | -4,746.45                           | -318.46      | 4,749.30               | 4,729.81                | 19.49                     | 243.651           |                    |           |
| 5,200.00                                                         | 5,192.23              | 5,119.76              | 5,114.85              | 11.58            | 8.38          | -88.26                | -4,747.98                           | -316.96      | 4,750.35               | 4,730.39                | 19.96                     | 238.010           |                    |           |
| 5,300.00                                                         | 5,291.81              | 5,237.99              | 5,233.07              | 11.83            | 8.61          | -88.41                | -4,749.15                           | -315.83      | 4,751.06               | 4,730.62                | 20.44                     | 232.434           |                    |           |
| 5,400.00                                                         | 5,391.39              | 5,335.57              | 5,330.64              | 12.08            | 8.81          | -88.53                | -4,749.90                           | -314.84      | 4,751.55               | 4,730.67                | 20.88                     | 227.519           |                    |           |
| 5,500.00                                                         | 5,490.97              | 5,421.11              | 5,416.18              | 12.33            | 8.98          | -88.63                | -4,750.73                           | -313.86      | 4,752.28               | 4,730.97                | 21.31                     | 223.040           |                    |           |
| 5,600.00                                                         | 5,590.55              | 5,508.71              | 5,503.76              | 12.58            | 9.16          | -88.74                | -4,751.86                           | -312.62      | 4,753.33               | 4,731.59                | 21.74                     | 218.685           |                    |           |
| 5,700.00                                                         | 5,690.13              | 5,607.36              | 5,602.38              | 12.83            | 9.36          | -88.87                | -4,753.28                           | -311.23      | 4,754.55               | 4,732.37                | 22.19                     | 214.295           |                    |           |
| 5,800.00                                                         | 5,789.71              | 5,708.40              | 5,703.41              | 13.08            | 9.57          | -89.00                | -4,754.67                           | -310.04      | 4,755.74               | 4,733.10                | 22.64                     | 210.035           |                    |           |
| 5,900.00                                                         | 5,889.29              | 5,819.96              | 5,814.95              | 13.33            | 9.80          | -89.14                | -4,756.10                           | -308.48      | 4,756.86               | 4,733.74                | 23.13                     | 205.696           |                    |           |
| 6,000.00                                                         | 5,988.87              | 5,924.46              | 5,919.43              | 13.58            | 10.01         | -89.27                | -4,757.20                           | -306.85      | 4,757.77               | 4,734.18                | 23.59                     | 201.667           |                    |           |
| 6,100.00                                                         | 6,088.45              | 6,024.00              | 6,018.96              | 13.84            | 10.22         | -89.40                | -4,758.18                           | -305.36      | 4,758.64               | 4,734.59                | 24.05                     | 197.878           |                    |           |
| 6,200.00                                                         | 6,188.03              | 6,121.33              | 6,116.27              | 14.09            | 10.42         | -89.53                | -4,759.16                           | -303.92      | 4,759.55               | 4,735.05                | 24.50                     | 194.263           |                    |           |
| 6,300.00                                                         | 6,287.61              | 6,217.27              | 6,212.19              | 14.34            | 10.61         | -89.65                | -4,760.22                           | -302.46      | 4,760.58               | 4,735.63                | 24.95                     | 190.802           |                    |           |
| 6,400.00                                                         | 6,387.19              | 6,346.37              | 6,341.27              | 14.60            | 10.88         | -89.81                | -4,761.28                           | -300.56      | 4,761.36               | 4,735.88                | 25.47                     | 186.924           |                    |           |
| 6,500.00                                                         | 6,486.77              | 6,461.18              | 6,456.07              | 14.85            | 11.11         | -89.96                | -4,761.61                           | -298.92      | 4,761.62               | 4,735.65                | 25.97                     | 183.378           |                    |           |
| 6,600.00                                                         | 6,586.35              | 6,565.45              | 6,560.33              | 15.11            | 11.33         | -90.10                | -4,761.75                           | -297.21      | 4,761.76               | 4,735.32                | 26.44                     | 180.095           |                    |           |
| 6,700.00                                                         | 6,685.93              | 6,669.66              | 6,664.52              | 15.37            | 11.55         | -90.23                | -4,761.78                           | -295.23      | 4,761.82               | 4,734.91                | 26.91                     | 176.923           |                    |           |
| 6,800.00                                                         | 6,785.51              | 6,774.02              | 6,768.86              | 15.62            | 11.77         | -90.38                | -4,761.71                           | -292.99      | 4,761.81               | 4,734.42                | 27.39                     | 173.853           |                    |           |
| 6,900.00                                                         | 6,885.09              | 6,886.95              | 6,881.77              | 15.88            | 12.00         | -90.53                | -4,761.42                           | -290.76      | 4,761.64               | 4,733.76                | 27.88                     | 170.787           |                    |           |
| 7,000.00                                                         | 6,984.68              | 7,002.72              | 6,997.51              | 16.14            | 12.24         | -90.68                | -4,760.75                           | -288.67      | 4,761.18               | 4,732.80                | 28.38                     | 167.792           |                    |           |
| 7,100.00                                                         | 7,084.26              | 7,104.81              | 7,099.58              | 16.40            | 12.45         | -90.81                | -4,759.93                           | -286.80      | 4,760.51               | 4,731.66                | 28.85                     | 165.020           |                    |           |
| 7,200.00                                                         | 7,183.84              | 7,203.94              | 7,198.69              | 16.66            | 12.66         | -90.95                | -4,759.12                           | -284.72      | 4,759.87               | 4,730.55                | 29.32                     | 162.364           |                    |           |
| 7,300.00                                                         | 7,283.42              | 7,297.00              | 7,291.72              | 16.91            | 12.86         | -91.08                | -4,758.37                           | -282.52      | 4,759.26               | 4,729.49                | 29.77                     | 159.858           |                    |           |
| 7,400.00                                                         | 7,383.00              | 7,386.15              | 7,380.84              | 17.17            | 13.05         | -91.20                | -4,757.80                           | -280.24      | 4,758.86               | 4,728.64                | 30.22                     | 157.465           |                    |           |
| 7,464.86                                                         | 7,447.58              | 7,440.65              | 7,435.32              | 17.34            | 13.17         | -91.28                | -4,757.60                           | -278.79      | 4,758.79               | 4,728.28                | 30.51                     | 155.992           |                    |           |
| 7,500.00                                                         | 7,482.58              | 7,470.18              | 7,464.83              | 17.43            | 13.23         | -91.32                | -4,757.54                           | -277.98      | 4,758.81               | 4,728.15                | 30.66                     | 155.208           |                    |           |
| 7,600.00                                                         | 7,582.16              | 7,554.18              | 7,548.80              | 17.69            | 13.41         | -91.44                | -4,757.54                           | -275.62      | 4,759.11               | 4,728.01                | 31.10                     | 153.027           |                    |           |
| 7,700.00                                                         | 7,681.74              | 7,638.15              | 7,632.74              | 17.95            | 13.59         | -91.57                | -4,757.81                           | -273.15      | 4,759.75               | 4,728.21                | 31.54                     | 150.918           |                    |           |
| 7,800.00                                                         | 7,781.32              | 7,720.06              | 7,714.61              | 18.21            | 13.76         | -91.69                | -4,758.35                           | -270.63      | 4,760.76               | 4,728.78                | 31.97                     | 148.899           |                    |           |
| 7,900.00                                                         | 7,880.90              | 7,799.61              | 7,794.11              | 18.47            | 13.93         | -91.80                | -4,759.18                           | -268.05      | 4,762.19               | 4,729.79                | 32.40                     | 146.971           |                    |           |
| 8,000.00                                                         | 7,980.48              | 7,872.00              | 7,866.45              | 18.73            | 14.09         | -91.91                | -4,760.22                           | -265.59      | 4,764.07               | 4,731.26                | 32.82                     | 145.172           |                    |           |
| 8,100.00                                                         | 8,080.06              | 7,958.48              | 7,952.86              | 19.00            | 14.27         | -92.04                | -4,761.82                           | -262.57      | 4,766.39               | 4,733.12                | 33.27                     | 143.252           |                    |           |
| 8,200.00                                                         | 8,179.64              | 8,052.00              | 8,046.30              | 19.26            | 14.48         | -92.18                | -4,763.99                           | -259.28      | 4,769.18               | 4,735.44                | 33.74                     | 141.357           |                    |           |
| 8,243.13                                                         | 8,222.58              | 8,075.77              | 8,070.05              | 19.37            | 14.53         | -92.22                | -4,764.60                           | -258.43      | 4,770.48               | 4,736.56                | 33.92                     | 140.645           |                    |           |
| 8,300.00                                                         | 8,279.24              | 8,129.29              | 8,123.50              | 19.50            | 14.65         | -92.32                | -4,766.00                           | -256.42      | 4,772.25               | 4,738.08                | 34.17                     | 139.665           |                    |           |
| 8,400.00                                                         | 8,378.97              | 8,223.45              | 8,217.56              | 19.70            | 14.85         | -92.48                | -4,768.52                           | -252.55      | 4,775.43               | 4,740.85                | 34.58                     | 138.108           |                    |           |
| 8,500.00                                                         | 8,478.82              | 8,314.24              | 8,308.22              | 19.89            | 15.05         | -92.62                | -4,771.04                           | -248.44      | 4,778.67               | 4,743.69                | 34.98                     | 136.627           |                    |           |
| 8,600.00                                                         | 8,578.74              | 8,394.00              | 8,387.85              | 20.08            | 15.23         | -92.73                | -4,773.48                           | -244.67      | 4,782.14               | 4,746.78                | 35.36                     | 135.260           |                    |           |
| 8,700.00                                                         | 8,678.72              | 8,493.44              | 8,487.13              | 20.26            | 15.45         | -92.85                | -4,776.72                           | -239.96      | 4,785.74               | 4,749.99                | 35.75                     | 133.867           |                    |           |
| 8,768.36                                                         | 8,747.08              | 8,558.96              | 8,552.53              | 20.38            | 15.60         | 177.09                | -4,778.91                           | -236.89      | 4,788.20               | 4,752.19                | 36.01                     | 132.952           |                    |           |
| 8,800.00                                                         | 8,778.72              | 8,589.29              | 8,582.82              | 20.44            | 15.66         | 177.07                | -4,779.94                           | -235.47      | 4,789.34               | 4,753.20                | 36.14                     | 132.520           |                    |           |
| 8,900.00                                                         | 8,878.72              | 8,667.00              | 8,660.40              | 20.64            | 15.83         | 177.03                | -4,782.60                           | -231.88      | 4,793.05               | 4,756.53                | 36.53                     | 131.212           |                    |           |
| 9,000.00                                                         | 8,978.72              | 8,760.21              | 8,753.44              | 20.84            | 16.04         | 176.98                | -4,786.08                           | -227.58      | 4,797.04               | 4,760.10                | 36.94                     | 129.871           |                    |           |
| 9,068.36                                                         | 9,047.08              | 8,813.76              | 8,806.89              | 20.97            | 16.16         | 176.95                | -4,788.30                           | -225.10      | 4,800.04               | 4,762.84                | 37.20                     | 129.019           |                    |           |
| 9,100.00                                                         | 9,078.70              | 8,838.56              | 8,831.64              | 21.03            | 16.21         | -2.64                 | -4,789.38                           | -223.95      | 4,800.63               | 4,763.30                | 37.32                     | 128.621           |                    |           |
| 9,150.00                                                         | 9,128.44              | 8,877.69              | 8,870.69              | 21.12            | 16.30         | -2.68                 | -4,791.16                           | -222.13      | 4,798.09               | 4,760.59                | 37.51                     | 127.922           |                    |           |
| 9,200.00                                                         | 9,177.57              | 8,916.52              | 8,909.43              | 21.21            | 16.39         | -2.73                 | -4,793.02                           | -220.32      | 4,791.33               | 4,753.64                | 37.69                     | 127.116           |                    |           |
| 9,250.00                                                         | 9,225.69              | 8,954.76              | 8,947.58              | 21.30            | 16.47         | -2.81                 | -4,794.93                           | -218.54      | 4,780.40               | 4,742.52                | 37.88                     | 126.212           |                    |           |
| 9,300.00                                                         | 9,272.46              | 9,006.00              | 8,998.69              | 21.40            | 16.59         | -2.93                 | -4,797.62                           | -216.14      | 4,765.39               | 4,727.31                | 38.07                     | 125.163           |                    |           |
| 9,350.00                                                         | 9,317.51              | 9,038.27              | 9,030.88              | 21.49            | 16.66         | -3.07                 | -4,799.35                           | -214.67      | 4,746.30               | 4,708.06                | 38.24                     | 124.111           |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                           |                                 |                                     |                                     |
|---------------------------|---------------------------------|-------------------------------------|-------------------------------------|
| <b>Company:</b>           | Devon Energy                    | <b>Local Co-ordinate Reference:</b> | Well Thistle Unit 162H              |
| <b>Project:</b>           | Lea County, NM (NAD-83)         | <b>TVD Reference:</b>               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| <b>Reference Site:</b>    | Thistle Unit Sec 22-27 Trac Pad | <b>MD Reference:</b>                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| <b>Site Error:</b>        | 0.00 usft                       | <b>North Reference:</b>             | Grid                                |
| <b>Reference Well:</b>    | Thistle Unit 162H               | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Well Error:</b>        | 0.00 usft                       | <b>Output errors are at</b>         | 2.00 sigma                          |
| <b>Reference Wellbore</b> | OH                              | <b>Database:</b>                    | EDM 5000.1 Multi User Db            |
| <b>Reference Design:</b>  | Plan #2                         | <b>Offset TVD Reference:</b>        | Offset Datum                        |

| Offset Design                                                    |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Thistle Unit (Offsets) - 56H - OH - OH |  | Offset Site Error: 0.00 usft |  |
|------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|----------------------------------------|--|------------------------------|--|
| Survey Program: 83-ISCWSA-GYRO-3, 1470-MWD-ISCWSA, 15982-Project |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: 0.00 usft           |  |                              |  |
| Reference                                                        |                       | Offset                |                       | Semi Major Axis  |               | Distance              |                                     |              |                        |                         |                           |                   |                                        |  |                              |  |
| Measured Depth (usft)                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (") | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning                                |  |                              |  |
| 9,400.00                                                         | 9,360.51              | 9,088.38              | 9,080.89              | 21.59            | 16.77         | -3.26                 | -4,802.00                           | -212.60      | 4,723.25               | 4,684.82                | 38.43                     | 122.912           |                                        |  |                              |  |
| 9,450.00                                                         | 9,401.12              | 9,135.98              | 9,128.39              | 21.69            | 16.87         | -3.49                 | -4,804.47                           | -210.85      | 4,696.38               | 4,657.77                | 38.61                     | 121.651           |                                        |  |                              |  |
| 9,500.00                                                         | 9,439.03              | 9,180.70              | 9,173.02              | 21.80            | 16.97         | -3.79                 | -4,806.75                           | -209.41      | 4,665.90               | 4,627.13                | 38.77                     | 120.340           |                                        |  |                              |  |
| 9,550.00                                                         | 9,473.97              | 9,222.17              | 9,214.42              | 21.91            | 17.06         | -4.16                 | -4,808.84                           | -208.24      | 4,632.05               | 4,593.12                | 38.93                     | 118.987           |                                        |  |                              |  |
| 9,600.00                                                         | 9,505.65              | 9,260.09              | 9,252.28              | 22.04            | 17.14         | -4.63                 | -4,810.71                           | -207.32      | 4,595.10               | 4,556.03                | 39.07                     | 117.602           |                                        |  |                              |  |
| 9,650.00                                                         | 9,533.84              | 9,427.39              | 9,419.46              | 22.18            | 17.48         | -5.51                 | -4,816.45                           | -205.90      | 4,554.81               | 4,515.45                | 39.35                     | 115.737           |                                        |  |                              |  |
| 9,700.00                                                         | 9,558.33              | 9,466.91              | 9,458.98              | 22.35            | 17.55         | -6.48                 | -4,817.21                           | -206.26      | 4,511.76               | 4,472.27                | 39.49                     | 114.256           |                                        |  |                              |  |
| 9,750.00                                                         | 9,578.93              | 9,500.07              | 9,492.12              | 22.54            | 17.62         | -7.89                 | -4,817.77                           | -206.74      | 4,466.61               | 4,427.01                | 39.60                     | 112.786           |                                        |  |                              |  |
| 9,800.00                                                         | 9,595.48              | 9,526.68              | 9,518.73              | 22.75            | 17.67         | -10.13                | -4,818.16                           | -207.24      | 4,419.74               | 4,380.04                | 39.70                     | 111.335           |                                        |  |                              |  |
| 9,850.00                                                         | 9,607.86              | 9,546.65              | 9,538.70              | 22.99            | 17.70         | -14.15                | -4,818.42                           | -207.68      | 4,371.53               | 4,331.76                | 39.77                     | 109.911           |                                        |  |                              |  |
| 9,900.00                                                         | 9,615.96              | 9,559.92              | 9,551.96              | 23.25            | 17.73         | -23.11                | -4,818.57                           | -208.01      | 4,322.37               | 4,282.54                | 39.83                     | 108.519           |                                        |  |                              |  |
| 9,950.00                                                         | 9,619.74              | 9,566.49              | 9,558.52              | 23.55            | 17.74         | -53.40                | -4,818.65                           | -208.18      | 4,272.64               | 4,232.77                | 39.87                     | 107.165           |                                        |  |                              |  |
| 9,974.90                                                         | 9,620.00              | 9,567.28              | 9,559.31              | 23.70            | 17.74         | -92.36                | -4,818.65                           | -208.20      | 4,247.78               | 4,207.90                | 39.88                     | 106.506           |                                        |  |                              |  |
| 10,000.00                                                        | 9,619.71              | 9,567.25              | 9,559.28              | 27.27            | 17.74         | -92.35                | -4,818.65                           | -208.20      | 4,222.72               | 4,177.98                | 44.74                     | 94.384            |                                        |  |                              |  |
| 10,100.00                                                        | 9,618.57              | 9,567.13              | 9,559.16              | 27.34            | 17.74         | -92.32                | -4,818.65                           | -208.20      | 4,122.89               | 4,078.07                | 44.82                     | 91.986            |                                        |  |                              |  |
| 10,200.00                                                        | 9,617.43              | 9,567.01              | 9,559.05              | 27.41            | 17.74         | -92.29                | -4,818.65                           | -208.20      | 4,023.06               | 3,978.15                | 44.90                     | 89.595            |                                        |  |                              |  |
| 10,300.00                                                        | 9,616.29              | 9,566.90              | 9,558.94              | 27.49            | 17.74         | -92.27                | -4,818.65                           | -208.19      | 3,923.23               | 3,878.25                | 44.99                     | 87.211            |                                        |  |                              |  |
| 10,400.00                                                        | 9,615.15              | 9,566.79              | 9,558.82              | 27.57            | 17.74         | -92.24                | -4,818.65                           | -208.19      | 3,823.42               | 3,778.35                | 45.07                     | 84.834            |                                        |  |                              |  |
| 10,500.00                                                        | 9,614.00              | 9,566.68              | 9,558.72              | 27.66            | 17.74         | -92.21                | -4,818.65                           | -208.19      | 3,723.62               | 3,678.46                | 45.15                     | 82.463            |                                        |  |                              |  |
| 10,600.00                                                        | 9,612.86              | 9,566.57              | 9,558.61              | 27.74            | 17.74         | -92.19                | -4,818.65                           | -208.19      | 3,623.83               | 3,578.59                | 45.24                     | 80.100            |                                        |  |                              |  |
| 10,700.00                                                        | 9,611.72              | 9,566.47              | 9,558.51              | 27.83            | 17.74         | -92.16                | -4,818.65                           | -208.18      | 3,524.05               | 3,478.72                | 45.33                     | 77.744            |                                        |  |                              |  |
| 10,800.00                                                        | 9,610.58              | 9,566.37              | 9,558.40              | 27.92            | 17.74         | -92.14                | -4,818.64                           | -208.18      | 3,424.28               | 3,378.86                | 45.42                     | 75.395            |                                        |  |                              |  |
| 10,900.00                                                        | 9,609.44              | 9,566.27              | 9,558.30              | 28.02            | 17.74         | -92.11                | -4,818.64                           | -208.18      | 3,324.53               | 3,279.02                | 45.51                     | 73.054            |                                        |  |                              |  |
| 11,000.00                                                        | 9,608.29              | 9,566.17              | 9,558.20              | 28.12            | 17.74         | -92.09                | -4,818.64                           | -208.17      | 3,224.79               | 3,179.19                | 45.60                     | 70.720            |                                        |  |                              |  |
| 11,100.00                                                        | 9,607.15              | 9,566.07              | 9,558.11              | 28.22            | 17.74         | -92.07                | -4,818.64                           | -208.17      | 3,125.07               | 3,079.38                | 45.69                     | 68.395            |                                        |  |                              |  |
| 11,200.00                                                        | 9,606.01              | 9,565.98              | 9,558.01              | 28.32            | 17.74         | -92.04                | -4,818.64                           | -208.17      | 3,025.37               | 2,979.58                | 45.79                     | 66.077            |                                        |  |                              |  |
| 11,300.00                                                        | 9,604.87              | 9,565.88              | 9,557.92              | 28.43            | 17.74         | -92.02                | -4,818.64                           | -208.17      | 2,925.68               | 2,879.80                | 45.88                     | 63.767            |                                        |  |                              |  |
| 11,400.00                                                        | 9,603.72              | 9,565.79              | 9,557.83              | 28.55            | 17.74         | -92.00                | -4,818.64                           | -208.16      | 2,826.02               | 2,780.05                | 45.98                     | 61.466            |                                        |  |                              |  |
| 11,500.00                                                        | 9,602.58              | 9,565.70              | 9,557.74              | 28.67            | 17.74         | -91.98                | -4,818.64                           | -208.16      | 2,726.39               | 2,680.31                | 46.08                     | 59.173            |                                        |  |                              |  |
| 11,600.00                                                        | 9,601.44              | 9,565.62              | 9,557.65              | 28.80            | 17.74         | -91.96                | -4,818.64                           | -208.16      | 2,626.78               | 2,580.61                | 46.17                     | 56.888            |                                        |  |                              |  |
| 11,700.00                                                        | 9,600.30              | 9,565.53              | 9,557.57              | 28.93            | 17.74         | -91.94                | -4,818.64                           | -208.16      | 2,527.20               | 2,480.93                | 46.28                     | 54.612            |                                        |  |                              |  |
| 11,800.00                                                        | 9,599.16              | 9,565.44              | 9,557.48              | 29.08            | 17.74         | -91.92                | -4,818.63                           | -208.16      | 2,427.66               | 2,381.28                | 46.38                     | 52.344            |                                        |  |                              |  |
| 11,900.00                                                        | 9,598.01              | 9,565.36              | 9,557.40              | 29.24            | 17.74         | -91.90                | -4,818.63                           | -208.15      | 2,328.16               | 2,281.68                | 46.48                     | 50.086            |                                        |  |                              |  |
| 12,000.00                                                        | 9,596.87              | 9,565.28              | 9,557.32              | 29.42            | 17.74         | -91.88                | -4,818.63                           | -208.15      | 2,228.70               | 2,182.11                | 46.59                     | 47.836            |                                        |  |                              |  |
| 12,100.00                                                        | 9,595.73              | 9,565.20              | 9,557.24              | 29.62            | 17.74         | -91.86                | -4,818.63                           | -208.15      | 2,129.30               | 2,082.60                | 46.70                     | 45.596            |                                        |  |                              |  |
| 12,200.00                                                        | 9,594.59              | 9,565.12              | 9,557.16              | 29.85            | 17.74         | -91.84                | -4,818.63                           | -208.15      | 2,029.95               | 1,983.14                | 46.81                     | 43.365            |                                        |  |                              |  |
| 12,300.00                                                        | 9,593.45              | 9,565.04              | 9,557.08              | 30.10            | 17.74         | -91.82                | -4,818.63                           | -208.14      | 1,930.67               | 1,883.74                | 46.93                     | 41.143            |                                        |  |                              |  |
| 12,400.00                                                        | 9,592.30              | 9,564.97              | 9,557.00              | 30.40            | 17.74         | -91.80                | -4,818.63                           | -208.14      | 1,831.46               | 1,784.42                | 47.04                     | 38.932            |                                        |  |                              |  |
| 12,500.00                                                        | 9,591.16              | 9,564.89              | 9,556.93              | 30.73            | 17.74         | -91.78                | -4,818.63                           | -208.14      | 1,732.35               | 1,685.19                | 47.16                     | 36.730            |                                        |  |                              |  |
| 12,600.00                                                        | 9,590.02              | 9,564.82              | 9,556.86              | 31.09            | 17.74         | -91.76                | -4,818.63                           | -208.14      | 1,633.35               | 1,586.06                | 47.29                     | 34.539            |                                        |  |                              |  |
| 12,700.00                                                        | 9,588.88              | 9,564.75              | 9,556.78              | 31.49            | 17.74         | -91.75                | -4,818.63                           | -208.14      | 1,534.48               | 1,487.05                | 47.42                     | 32.358            |                                        |  |                              |  |
| 12,800.00                                                        | 9,587.73              | 9,564.68              | 9,556.71              | 31.93            | 17.74         | -91.73                | -4,818.63                           | -208.14      | 1,435.76               | 1,388.20                | 47.56                     | 30.188            |                                        |  |                              |  |
| 12,900.00                                                        | 9,586.59              | 9,564.61              | 9,556.64              | 32.38            | 17.74         | -91.71                | -4,818.63                           | -208.13      | 1,337.23               | 1,289.53                | 47.71                     | 28.030            |                                        |  |                              |  |
| 13,000.00                                                        | 9,585.45              | 9,564.54              | 9,556.57              | 32.87            | 17.74         | -91.70                | -4,818.62                           | -208.13      | 1,238.94               | 1,191.08                | 47.86                     | 25.884            |                                        |  |                              |  |
| 13,100.00                                                        | 9,584.31              | 9,564.47              | 9,556.51              | 33.37            | 17.74         | -91.68                | -4,818.62                           | -208.13      | 1,140.95               | 1,092.91                | 48.04                     | 23.752            |                                        |  |                              |  |
| 13,200.00                                                        | 9,583.17              | 9,564.40              | 9,556.44              | 33.88            | 17.74         | -91.66                | -4,818.62                           | -208.13      | 1,043.34               | 995.11                  | 48.23                     | 21.633            |                                        |  |                              |  |
| 13,300.00                                                        | 9,582.02              | 9,564.34              | 9,556.38              | 34.42            | 17.74         | -91.65                | -4,818.62                           | -208.13      | 946.22                 | 897.78                  | 48.45                     | 19.532            |                                        |  |                              |  |
| 13,400.00                                                        | 9,580.88              | 9,564.27              | 9,556.31              | 34.96            | 17.74         | -91.63                | -4,818.62                           | -208.12      | 849.78                 | 801.08                  | 48.70                     | 17.449            |                                        |  |                              |  |
| 13,500.00                                                        | 9,579.74              | 9,564.21              | 9,556.25              | 35.52            | 17.74         | -91.62                | -4,818.62                           | -208.12      | 754.26                 | 705.25                  | 49.01                     | 15.389            |                                        |  |                              |  |
| 13,600.00                                                        | 9,578.60              | 9,564.15              | 9,556.18              | 36.09            | 17.74         | -91.60                | -4,818.62                           | -208.12      | 660.07                 | 610.66                  | 49.41                     | 13.359            |                                        |  |                              |  |
| 13,700.00                                                        | 9,577.46              | 9,564.09              | 9,556.12              | 36.67            | 17.74         | -91.59                | -4,818.62                           | -208.12      | 567.87                 | 517.93                  | 49.94                     | 11.370            |                                        |  |                              |  |
| 13,800.00                                                        | 9,576.31              | 9,564.02              | 9,556.06              | 37.25            | 17.74         | -91.57                | -4,818.62                           | -208.12      | 478.81                 | 428.12                  | 50.70                     | 9.444             |                                        |  |                              |  |

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit (Offsets) - 56H - OH - OH             |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.00 usft |
|------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 83-ISCWSA-GYRO-3, 1470-MWD-ISCWSA, 15982-Project |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.00 usft |
| Reference                                                        | Offset                |                       | Semi Major Axis       |                  | Distance      |                       | Minimum Separation                  |              | Separation Factor      |                         | Warning                   |                   |                    |           |
| Measured Depth (usft)                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (") | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |           |
| 13,900.00                                                        | 9,575.17              | 9,563.96              | 9,556.00              | 37.84            | 17.74         | -91.56                | -4,818.62                           | -208.12      | 395.03                 | 343.21                  | 51.82                     | 7.623             |                    |           |
| 14,000.00                                                        | 9,574.03              | 9,563.91              | 9,555.94              | 38.45            | 17.74         | -91.54                | -4,818.62                           | -208.11      | 320.68                 | 267.20                  | 53.48                     | 5.996             |                    |           |
| 14,100.00                                                        | 9,572.89              | 9,563.85              | 9,555.89              | 39.05            | 17.74         | -91.53                | -4,818.62                           | -208.11      | 263.86                 | 208.24                  | 55.62                     | 4.744             |                    |           |
| 14,200.00                                                        | 9,571.75              | 9,563.79              | 9,555.83              | 39.67            | 17.74         | -91.52                | -4,818.62                           | -208.11      | 237.50                 | 180.43                  | 57.07                     | 4.161             |                    |           |
| 14,216.07                                                        | 9,571.56              | 9,563.78              | 9,555.82              | 39.77            | 17.74         | -91.51                | -4,818.62                           | -208.11      | 236.95                 | 179.85                  | 57.11                     | 4.149 CC, ES, SF  |                    |           |
| 14,300.00                                                        | 9,570.60              | 9,563.73              | 9,555.77              | 40.29            | 17.74         | -91.50                | -4,818.62                           | -208.11      | 251.38                 | 195.09                  | 56.29                     | 4.466             |                    |           |
| 14,400.00                                                        | 9,569.46              | 9,563.68              | 9,555.72              | 40.91            | 17.74         | -91.49                | -4,818.62                           | -208.11      | 299.96                 | 245.68                  | 54.28                     | 5.526             |                    |           |
| 14,500.00                                                        | 9,568.32              | 9,563.62              | 9,555.66              | 41.54            | 17.74         | -91.48                | -4,818.61                           | -208.11      | 369.81                 | 317.20                  | 52.62                     | 7.028             |                    |           |
| 14,600.00                                                        | 9,567.18              | 9,563.57              | 9,555.61              | 42.18            | 17.74         | -91.46                | -4,818.61                           | -208.11      | 451.16                 | 399.58                  | 51.58                     | 8.747             |                    |           |
| 14,700.00                                                        | 9,566.03              | 9,563.52              | 9,555.56              | 42.82            | 17.74         | -91.45                | -4,818.61                           | -208.10      | 538.83                 | 487.85                  | 50.97                     | 10.571            |                    |           |
| 14,800.00                                                        | 9,564.89              | 9,563.47              | 9,555.50              | 43.46            | 17.74         | -91.44                | -4,818.61                           | -208.10      | 630.17                 | 579.54                  | 50.63                     | 12.446            |                    |           |
| 14,900.00                                                        | 9,563.75              | 9,563.41              | 9,555.45              | 44.11            | 17.74         | -91.42                | -4,818.61                           | -208.10      | 723.81                 | 673.37                  | 50.45                     | 14.348            |                    |           |
| 15,000.00                                                        | 9,562.61              | 9,563.36              | 9,555.40              | 44.76            | 17.74         | -91.41                | -4,818.61                           | -208.10      | 818.96                 | 768.59                  | 50.37                     | 16.258            |                    |           |
| 15,100.00                                                        | 9,561.47              | 9,563.31              | 9,555.35              | 45.42            | 17.74         | -91.40                | -4,818.61                           | -208.10      | 915.14                 | 864.78                  | 50.36                     | 18.174            |                    |           |
| 15,200.00                                                        | 9,560.32              | 9,563.26              | 9,555.30              | 46.08            | 17.74         | -91.39                | -4,818.61                           | -208.10      | 1,012.06               | 961.68                  | 50.38                     | 20.090            |                    |           |
| 15,300.00                                                        | 9,559.18              | 9,563.22              | 9,555.25              | 46.74            | 17.74         | -91.38                | -4,818.61                           | -208.10      | 1,109.53               | 1,059.10                | 50.42                     | 22.004            |                    |           |
| 15,400.00                                                        | 9,558.04              | 9,563.17              | 9,555.21              | 47.41            | 17.74         | -91.36                | -4,818.61                           | -208.10      | 1,207.41               | 1,156.92                | 50.49                     | 23.914            |                    |           |
| 15,500.00                                                        | 9,556.90              | 9,563.12              | 9,555.16              | 48.08            | 17.74         | -91.35                | -4,818.61                           | -208.09      | 1,305.61               | 1,255.04                | 50.57                     | 25.819            |                    |           |
| 15,600.00                                                        | 9,555.76              | 9,563.07              | 9,555.11              | 48.75            | 17.74         | -91.34                | -4,818.61                           | -208.09      | 1,404.07               | 1,353.41                | 50.66                     | 27.718            |                    |           |
| 15,700.00                                                        | 9,554.61              | 9,563.03              | 9,555.07              | 49.43            | 17.73         | -91.33                | -4,818.61                           | -208.09      | 1,502.73               | 1,451.98                | 50.75                     | 29.610            |                    |           |
| 15,800.00                                                        | 9,553.47              | 9,562.98              | 9,555.02              | 50.10            | 17.73         | -91.32                | -4,818.61                           | -208.09      | 1,601.55               | 1,550.70                | 50.85                     | 31.495            |                    |           |
| 15,900.00                                                        | 9,552.33              | 9,562.94              | 9,554.98              | 50.79            | 17.73         | -91.31                | -4,818.61                           | -208.09      | 1,700.52               | 1,649.56                | 50.96                     | 33.372            |                    |           |
| 16,000.00                                                        | 9,551.19              | 12,703.28             | 11,281.06             | 51.47            | 38.67         | -173.69               | -6,582.52                           | -238.50      | 1,762.66               | 1,700.93                | 61.73                     | 28.555            |                    |           |
| 16,100.00                                                        | 9,550.05              | 12,788.38             | 11,281.64             | 52.15            | 39.92         | -173.58               | -6,667.50                           | -234.25      | 1,765.00               | 1,701.83                | 63.17                     | 27.938            |                    |           |
| 16,200.00                                                        | 9,548.90              | 12,871.99             | 11,283.68             | 52.84            | 41.13         | -173.49               | -6,751.00                           | -230.45      | 1,768.93               | 1,704.32                | 64.61                     | 27.377            |                    |           |
| 16,300.00                                                        | 9,547.76              | 12,975.69             | 11,285.82             | 53.53            | 42.65         | -173.37               | -6,854.57                           | -225.58      | 1,772.56               | 1,706.43                | 66.13                     | 26.805            |                    |           |
| 16,400.00                                                        | 9,546.62              | 13,073.99             | 11,288.35             | 54.22            | 44.11         | -173.25               | -6,952.72                           | -220.94      | 1,776.71               | 1,709.08                | 67.63                     | 26.272            |                    |           |
| 16,500.00                                                        | 9,545.48              | 13,196.95             | 11,290.45             | 54.92            | 46.03         | -173.12               | -7,075.53                           | -215.29      | 1,780.01               | 1,710.78                | 69.23                     | 25.711            |                    |           |
| 16,600.00                                                        | 9,544.33              | 13,311.92             | 11,291.16             | 55.61            | 47.88         | -172.99               | -7,190.39                           | -210.14      | 1,782.20               | 1,711.39                | 70.81                     | 25.169            |                    |           |
| 16,700.00                                                        | 9,543.19              | 13,426.86             | 11,290.94             | 56.31            | 49.75         | -172.85               | -7,305.21                           | -204.95      | 1,783.62               | 1,711.22                | 72.40                     | 24.637            |                    |           |
| 16,800.00                                                        | 9,542.05              | 13,529.80             | 11,289.84             | 57.01            | 51.42         | -172.71               | -7,408.01                           | -199.70      | 1,784.23               | 1,710.28                | 73.95                     | 24.129            |                    |           |
| 16,900.00                                                        | 9,540.91              | 13,607.11             | 11,289.57             | 57.71            | 52.62         | -172.59               | -7,485.19                           | -195.25      | 1,785.66               | 1,710.26                | 75.40                     | 23.683            |                    |           |
| 16,979.53                                                        | 9,540.00              | 13,665.91             | 11,290.15             | 58.27            | 53.49         | -172.51               | -7,543.91                           | -192.32      | 1,787.78               | 1,711.25                | 76.53                     | 23.360            |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit (Offsets) - 57H - OH - OH                 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.00 usft |
|----------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 172- VES GyroFlex V2, 1519-MWD-ISCWSA, 16135-Project |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.00 usft |
| Reference                                                            | Offset                |                       | Semi Major Axis       |                  | Distance      |                       | Minimum Separation                  |              | Warning                |                         |                           |                   |                    |           |
| Measured Depth (usft)                                                | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |           |
| 0.00                                                                 | 0.00                  | 0.00                  | 0.00                  | 0.00             | 0.00          | -175.70               | -4,754.37                           | -357.73      | 4,767.86               |                         |                           |                   |                    |           |
| 100.00                                                               | 100.00                | 61.32                 | 61.32                 | 0.09             | 0.05          | -175.70               | -4,754.47                           | -357.79      | 4,767.94               | 4,767.81                | 0.13                      | N/A               |                    |           |
| 200.00                                                               | 200.00                | 140.54                | 140.54                | 0.31             | 0.11          | -175.69               | -4,754.89                           | -358.03      | 4,768.50               | 4,768.08                | 0.42                      | N/A               |                    |           |
| 300.00                                                               | 300.00                | 228.82                | 228.81                | 0.54             | 0.19          | -175.69               | -4,755.69                           | -358.46      | 4,769.43               | 4,768.71                | 0.72                      | 6,631.294         |                    |           |
| 400.00                                                               | 400.00                | 333.62                | 333.60                | 0.76             | 0.26          | -175.69               | -4,756.72                           | -358.88      | 4,770.44               | 4,769.42                | 1.02                      | 4,668.100         |                    |           |
| 500.00                                                               | 500.00                | 441.22                | 441.20                | 0.99             | 0.33          | -175.68               | -4,757.59                           | -359.21      | 4,771.27               | 4,769.96                | 1.31                      | 3,639.814         |                    |           |
| 600.00                                                               | 600.00                | 544.80                | 544.78                | 1.21             | 0.38          | -175.68               | -4,758.33                           | -359.38      | 4,772.00               | 4,770.41                | 1.58                      | 3,015.673         |                    |           |
| 700.00                                                               | 700.00                | 651.72                | 651.70                | 1.43             | 0.43          | -175.68               | -4,758.97                           | -359.57      | 4,772.60               | 4,770.74                | 1.86                      | 2,565.335         |                    |           |
| 800.00                                                               | 800.00                | 752.82                | 752.79                | 1.66             | 0.48          | -175.68               | -4,759.47                           | -359.69      | 4,773.11               | 4,770.97                | 2.13                      | 2,238.095         |                    |           |
| 900.00                                                               | 900.00                | 849.87                | 849.84                | 1.88             | 0.52          | -175.68               | -4,759.99                           | -359.82      | 4,773.65               | 4,771.25                | 2.40                      | 1,988.123         |                    |           |
| 1,000.00                                                             | 1,000.00              | 956.43                | 956.41                | 2.11             | 0.57          | -175.68               | -4,760.58                           | -359.91      | 4,774.21               | 4,771.54                | 2.67                      | 1,786.795         |                    |           |
| 1,100.00                                                             | 1,100.00              | 1,058.96              | 1,058.94              | 2.33             | 0.61          | -175.68               | -4,760.97                           | -359.79      | 4,774.58               | 4,771.64                | 2.94                      | 1,624.378         |                    |           |
| 1,200.00                                                             | 1,200.00              | 1,153.89              | 1,153.86              | 2.56             | 0.65          | -175.68               | -4,761.39                           | -359.65      | 4,775.02               | 4,771.81                | 3.20                      | 1,490.940         |                    |           |
| 1,300.00                                                             | 1,300.00              | 1,269.55              | 1,269.52              | 2.78             | 0.69          | -175.68               | -4,761.85                           | -359.50      | 4,775.41               | 4,771.94                | 3.47                      | 1,375.171         |                    |           |
| 1,400.00                                                             | 1,400.00              | 1,371.83              | 1,371.80              | 3.01             | 0.73          | -175.68               | -4,761.99                           | -359.39      | 4,775.54               | 4,771.80                | 3.73                      | 1,278.931         |                    |           |
| 1,500.00                                                             | 1,500.00              | 1,469.42              | 1,469.39              | 3.23             | 0.75          | -175.69               | -4,762.13                           | -359.31      | 4,775.67               | 4,771.69                | 3.98                      | 1,198.822         |                    |           |
| 1,600.00                                                             | 1,600.00              | 1,607.58              | 1,607.55              | 3.46             | 0.81          | -175.68               | -4,762.00                           | -359.86      | 4,775.67               | 4,771.40                | 4.27                      | 1,117.928         |                    |           |
| 1,675.76                                                             | 1,675.76              | 1,653.20              | 1,653.16              | 3.63             | 0.85          | -175.67               | -4,761.78                           | -360.40      | 4,775.40               | 4,770.92                | 4.48                      | 1,065.444         |                    |           |
| 1,700.00                                                             | 1,700.00              | 1,666.34              | 1,666.31              | 3.68             | 0.87          | -175.67               | -4,761.78                           | -360.55      | 4,775.43               | 4,770.88                | 4.55                      | 1,049.764         |                    |           |
| 1,800.00                                                             | 1,800.00              | 1,709.00              | 1,708.96              | 3.91             | 0.91          | -175.66               | -4,762.00                           | -361.06      | 4,776.16               | 4,771.35                | 4.82                      | 991.551           |                    |           |
| 1,900.00                                                             | 1,900.00              | 1,757.22              | 1,757.17              | 4.13             | 0.97          | -175.66               | -4,762.82                           | -361.46      | 4,778.03               | 4,772.93                | 5.11                      | 935.889           |                    |           |
| 2,000.00                                                             | 2,000.00              | 1,804.00              | 1,803.93              | 4.36             | 1.04          | -175.66               | -4,764.35                           | -361.49      | 4,781.19               | 4,775.80                | 5.39                      | 887.227           |                    |           |
| 2,100.00                                                             | 2,100.00              | 1,836.06              | 1,835.95              | 4.58             | 1.09          | -175.66               | -4,765.81                           | -361.42      | 4,785.59               | 4,779.92                | 5.66                      | 845.017           |                    |           |
| 2,200.00                                                             | 2,200.00              | 1,899.00              | 1,898.77              | 4.81             | 1.19          | -175.67               | -4,769.63                           | -361.51      | 4,791.42               | 4,785.44                | 5.99                      | 800.534           |                    |           |
| 2,300.00                                                             | 2,300.00              | 1,921.06              | 1,920.78              | 5.03             | 1.23          | -175.67               | -4,771.23                           | -361.62      | 4,798.19               | 4,791.94                | 6.25                      | 768.183           |                    |           |
| 2,400.00                                                             | 2,400.00              | 1,994.00              | 1,993.48              | 5.26             | 1.38          | -175.66               | -4,777.01                           | -362.48      | 4,806.10               | 4,799.50                | 6.60                      | 728.224           |                    |           |
| 2,500.00                                                             | 2,500.00              | 2,052.19              | 2,051.45              | 5.48             | 1.53          | -175.65               | -4,781.98                           | -363.81      | 4,814.68               | 4,807.75                | 6.93                      | 694.360           |                    |           |
| 2,600.00                                                             | 2,600.00              | 2,673.64              | 2,669.14              | 5.71             | 3.29          | -175.00               | -4,802.82                           | -420.26      | 4,822.05               | 4,813.23                | 8.82                      | 546.805           |                    |           |
| 2,700.00                                                             | 2,700.00              | 2,749.00              | 2,744.14              | 5.93             | 3.46          | -174.91               | -4,800.95                           | -427.43      | 4,820.40               | 4,811.16                | 9.25                      | 521.247           |                    |           |
| 2,800.00                                                             | 2,800.00              | 2,843.00              | 2,837.76              | 6.15             | 3.69          | -174.81               | -4,798.92                           | -435.61      | 4,819.02               | 4,809.30                | 9.72                      | 495.557           |                    |           |
| 2,900.00                                                             | 2,900.00              | 2,921.25              | 2,915.68              | 6.38             | 3.90          | -174.73               | -4,797.42                           | -442.59      | 4,817.95               | 4,807.77                | 10.18                     | 473.484           |                    |           |
| 3,000.00                                                             | 3,000.00              | 3,009.43              | 3,003.42              | 6.60             | 4.16          | -174.62               | -4,796.05                           | -451.35      | 4,817.31               | 4,806.65                | 10.66                     | 451.707           |                    |           |
| 3,100.00                                                             | 3,099.99              | 3,091.92              | 3,085.51              | 6.81             | 4.39          | -84.54                | -4,794.98                           | -459.28      | 4,816.85               | 4,805.73                | 11.12                     | 433.234           |                    |           |
| 3,200.00                                                             | 3,199.96              | 3,183.59              | 3,176.83              | 7.01             | 4.66          | -84.48                | -4,794.20                           | -467.26      | 4,816.58               | 4,804.99                | 11.59                     | 415.652           |                    |           |
| 3,300.00                                                             | 3,299.86              | 3,273.64              | 3,266.47              | 7.21             | 4.94          | -84.42                | -4,793.42                           | -475.93      | 4,816.23               | 4,804.16                | 12.07                     | 399.017           |                    |           |
| 3,400.00                                                             | 3,399.68              | 3,375.11              | 3,367.43              | 7.42             | 5.25          | -84.38                | -4,792.75                           | -485.96      | 4,815.94               | 4,803.35                | 12.59                     | 382.419           |                    |           |
| 3,500.00                                                             | 3,499.37              | 3,478.23              | 3,470.16              | 7.63             | 5.54          | -84.38                | -4,791.98                           | -494.95      | 4,815.29               | 4,802.18                | 13.11                     | 367.428           |                    |           |
| 3,525.23                                                             | 3,524.50              | 3,502.50              | 3,494.35              | 7.68             | 5.61          | -84.38                | -4,791.82                           | -496.92      | 4,815.10               | 4,801.88                | 13.23                     | 363.997           |                    |           |
| 3,600.00                                                             | 3,598.95              | 3,581.85              | 3,573.41              | 7.84             | 5.84          | -84.39                | -4,791.25                           | -503.61      | 4,814.52               | 4,800.89                | 13.62                     | 353.398           |                    |           |
| 3,700.00                                                             | 3,698.53              | 3,707.32              | 3,698.36              | 8.06             | 6.22          | -84.39                | -4,789.88                           | -514.89      | 4,813.41               | 4,799.19                | 14.22                     | 338.459           |                    |           |
| 3,800.00                                                             | 3,798.11              | 3,803.37              | 3,794.08              | 8.28             | 6.49          | -84.40                | -4,788.64                           | -522.80      | 4,812.03               | 4,797.31                | 14.72                     | 326.830           |                    |           |
| 3,900.00                                                             | 3,897.69              | 3,882.00              | 3,872.44              | 8.50             | 6.72          | -84.40                | -4,787.93                           | -529.33      | 4,811.04               | 4,795.87                | 15.18                     | 317.027           |                    |           |
| 4,000.00                                                             | 3,997.27              | 3,950.41              | 3,940.54              | 8.73             | 6.94          | -84.40                | -4,787.63                           | -535.74      | 4,810.59               | 4,794.97                | 15.62                     | 307.993           |                    |           |
| 4,034.47                                                             | 4,031.59              | 3,976.00              | 3,965.99              | 8.81             | 7.02          | -84.40                | -4,787.57                           | -538.41      | 4,810.56               | 4,794.78                | 15.78                     | 304.868           |                    |           |
| 4,100.00                                                             | 4,096.85              | 4,025.22              | 4,014.93              | 8.96             | 7.18          | -84.39                | -4,787.58                           | -543.66      | 4,810.67               | 4,794.57                | 16.09                     | 298.923           |                    |           |
| 4,200.00                                                             | 4,196.43              | 4,125.59              | 4,114.75              | 9.19             | 7.51          | -84.37                | -4,787.95                           | -554.13      | 4,811.16               | 4,794.51                | 16.65                     | 288.919           |                    |           |
| 4,300.00                                                             | 4,296.01              | 4,239.70              | 4,228.38              | 9.42             | 7.86          | -84.37                | -4,788.09                           | -564.59      | 4,811.27               | 4,794.04                | 17.23                     | 279.173           |                    |           |
| 4,400.00                                                             | 4,395.59              | 4,367.04              | 4,355.30              | 9.65             | 8.23          | -84.39                | -4,787.92                           | -574.92      | 4,811.05               | 4,793.20                | 17.84                     | 269.637           |                    |           |
| 4,500.00                                                             | 4,495.17              | 4,467.45              | 4,455.28              | 9.89             | 8.54          | -84.39                | -4,787.33                           | -584.25      | 4,810.47               | 4,792.08                | 18.39                     | 261.562           |                    |           |
| 4,600.00                                                             | 4,594.75              | 4,553.34              | 4,540.79              | 10.13            | 8.81          | -84.38                | -4,787.00                           | -592.27      | 4,810.10               | 4,791.20                | 18.90                     | 254.511           |                    |           |
| 4,700.00                                                             | 4,694.33              | 4,666.26              | 4,653.21              | 10.37            | 9.16          | -84.38                | -4,786.62                           | -602.81      | 4,809.80               | 4,790.31                | 19.49                     | 246.774           |                    |           |
| 4,800.00                                                             | 4,793.91              | 4,768.29              | 4,754.86              | 10.61            | 9.47          | -84.39                | -4,785.90                           | -611.66      | 4,809.04               | 4,789.01                | 20.04                     | 240.014           |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit (Offsets) - 57H - OH - OH                 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.00 usft |
|----------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 172- VES GyroFlex V2, 1519-MWD-ISCWSA, 16135-Project |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.00 usft |
| Measured Depth (usft)                                                | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning            |           |
| 4,864.60                                                             | 4,858.24              | 4,809.79              | 4,796.25              | 10.76            | 9.58          | -84.40                | -4,785.85                           | -614.66      | 4,808.84               | 4,788.53                | 20.31                     | 236.788           |                    |           |
| 4,900.00                                                             | 4,893.49              | 4,827.00              | 4,813.42              | 10.85            | 9.63          | -84.40                | -4,785.90                           | -615.78      | 4,808.86               | 4,788.42                | 20.44                     | 235.245           |                    |           |
| 5,000.00                                                             | 4,993.07              | 4,921.00              | 4,907.26              | 11.09            | 9.87          | -84.44                | -4,786.55                           | -621.16      | 4,809.22               | 4,788.30                | 20.92                     | 229.886           |                    |           |
| 5,100.00                                                             | 5,092.65              | 4,996.39              | 4,982.58              | 11.34            | 10.03         | -84.49                | -4,787.49                           | -624.32      | 4,809.96               | 4,788.63                | 21.33                     | 225.501           |                    |           |
| 5,200.00                                                             | 5,192.23              | 5,142.89              | 5,129.04              | 11.58            | 10.32         | -84.61                | -4,789.24                           | -627.50      | 4,810.52               | 4,788.66                | 21.86                     | 220.040           |                    |           |
| 5,300.00                                                             | 5,291.81              | 5,266.53              | 5,252.66              | 11.83            | 10.55         | -84.72                | -4,789.74                           | -629.60      | 4,810.22               | 4,787.89                | 22.34                     | 215.358           |                    |           |
| 5,400.00                                                             | 5,391.39              | 5,496.82              | 5,482.64              | 12.08            | 11.08         | -84.85                | -4,786.89                           | -639.48      | 4,808.77               | 4,785.66                | 23.11                     | 208.080           |                    |           |
| 5,500.00                                                             | 5,490.97              | 5,636.43              | 5,621.50              | 12.33            | 11.51         | -84.83                | -4,781.89                           | -653.04      | 4,805.29               | 4,781.49                | 23.80                     | 201.921           |                    |           |
| 5,600.00                                                             | 5,590.55              | 5,719.55              | 5,703.97              | 12.58            | 11.81         | -84.80                | -4,778.47                           | -662.80      | 4,801.43               | 4,777.08                | 24.35                     | 197.199           |                    |           |
| 5,700.00                                                             | 5,690.13              | 5,810.38              | 5,794.07              | 12.83            | 12.13         | -84.77                | -4,774.98                           | -673.77      | 4,797.86               | 4,772.93                | 24.93                     | 192.465           |                    |           |
| 5,800.00                                                             | 5,789.71              | 5,884.16              | 5,867.27              | 13.08            | 12.39         | -84.74                | -4,772.37                           | -682.59      | 4,794.62               | 4,769.17                | 25.44                     | 188.432           |                    |           |
| 5,900.00                                                             | 5,889.29              | 5,973.88              | 5,956.35              | 13.33            | 12.71         | -84.71                | -4,769.73                           | -693.00      | 4,791.89               | 4,765.88                | 26.01                     | 184.197           |                    |           |
| 6,000.00                                                             | 5,988.87              | 6,075.66              | 6,057.40              | 13.58            | 13.06         | -84.68                | -4,766.66                           | -704.77      | 4,789.11               | 4,762.49                | 26.62                     | 179.877           |                    |           |
| 6,100.00                                                             | 6,088.45              | 6,162.73              | 6,143.89              | 13.84            | 13.37         | -84.66                | -4,764.16                           | -714.51      | 4,786.45               | 4,759.27                | 27.18                     | 176.091           |                    |           |
| 6,200.00                                                             | 6,188.03              | 6,245.21              | 6,225.82              | 14.09            | 13.65         | -84.63                | -4,762.09                           | -723.70      | 4,784.14               | 4,756.42                | 27.72                     | 172.599           |                    |           |
| 6,300.00                                                             | 6,287.61              | 6,441.81              | 6,420.77              | 14.34            | 14.36         | -84.56                | -4,754.33                           | -747.45      | 4,779.98               | 4,751.31                | 28.68                     | 166.675           |                    |           |
| 6,400.00                                                             | 6,387.19              | 6,487.00              | 6,465.51              | 14.60            | 14.55         | -84.53                | -4,752.62                           | -753.62      | 4,776.51               | 4,747.39                | 29.12                     | 164.011           |                    |           |
| 6,500.00                                                             | 6,486.77              | 6,581.00              | 6,558.61              | 14.85            | 14.91         | -84.48                | -4,749.59                           | -766.26      | 4,773.71               | 4,743.97                | 29.75                     | 160.485           |                    |           |
| 6,600.00                                                             | 6,586.35              | 6,676.00              | 6,652.68              | 15.11            | 15.29         | -84.42                | -4,746.45                           | -779.10      | 4,770.85               | 4,740.47                | 30.38                     | 157.061           |                    |           |
| 6,700.00                                                             | 6,685.93              | 6,792.92              | 6,768.53              | 15.37            | 15.73         | -84.36                | -4,742.49                           | -794.40      | 4,767.85               | 4,736.78                | 31.08                     | 153.425           |                    |           |
| 6,800.00                                                             | 6,785.51              | 6,865.00              | 6,840.03              | 15.62            | 16.00         | -84.33                | -4,740.09                           | -803.20      | 4,764.89               | 4,733.29                | 31.60                     | 150.782           |                    |           |
| 6,900.00                                                             | 6,885.09              | 6,942.57              | 6,917.02              | 15.88            | 16.28         | -84.31                | -4,737.94                           | -812.38      | 4,762.44               | 4,730.30                | 32.14                     | 148.165           |                    |           |
| 7,000.00                                                             | 6,984.68              | 7,006.24              | 6,980.22              | 16.14            | 16.52         | -84.28                | -4,736.69                           | -819.96      | 4,760.76               | 4,728.12                | 32.64                     | 145.871           |                    |           |
| 7,100.00                                                             | 7,084.26              | 7,054.00              | 7,027.64              | 16.40            | 16.70         | -84.27                | -4,736.07                           | -825.68      | 4,759.89               | 4,726.82                | 33.07                     | 143.931           |                    |           |
| 7,200.00                                                             | 7,183.84              | 7,148.00              | 7,120.99              | 16.66            | 17.04         | -84.24                | -4,735.69                           | -836.67      | 4,759.74               | 4,726.07                | 33.67                     | 141.353           |                    |           |
| 7,300.00                                                             | 7,283.42              | 7,267.96              | 7,240.25              | 16.91            | 17.46         | -84.21                | -4,735.26                           | -849.62      | 4,759.57               | 4,725.23                | 34.35                     | 138.575           |                    |           |
| 7,400.00                                                             | 7,383.00              | 7,353.69              | 7,325.39              | 17.17            | 17.76         | -84.19                | -4,734.77                           | -859.61      | 4,759.26               | 4,724.35                | 34.91                     | 136.348           |                    |           |
| 7,500.00                                                             | 7,482.58              | 7,456.47              | 7,427.54              | 17.43            | 18.12         | -84.16                | -4,734.35                           | -871.00      | 4,759.05               | 4,723.52                | 35.52                     | 133.967           |                    |           |
| 7,600.00                                                             | 7,582.16              | 7,554.53              | 7,525.10              | 17.69            | 18.44         | -84.15                | -4,733.98                           | -880.84      | 4,758.75               | 4,722.65                | 36.11                     | 131.790           |                    |           |
| 7,652.88                                                             | 7,634.82              | 7,597.44              | 7,567.80              | 17.83            | 18.58         | -84.15                | -4,733.90                           | -885.06      | 4,758.70               | 4,722.31                | 36.39                     | 130.782           |                    |           |
| 7,700.00                                                             | 7,681.74              | 7,621.00              | 7,591.25              | 17.95            | 18.66         | -84.15                | -4,733.90                           | -887.37      | 4,758.77               | 4,722.19                | 36.58                     | 130.076           |                    |           |
| 7,800.00                                                             | 7,781.32              | 7,694.77              | 7,664.66              | 18.21            | 18.91         | -84.14                | -4,734.28                           | -894.57      | 4,759.40               | 4,722.32                | 37.09                     | 128.336           |                    |           |
| 7,900.00                                                             | 7,880.90              | 7,771.76              | 7,741.32              | 18.47            | 19.15         | -84.14                | -4,735.33                           | -901.62      | 4,760.74               | 4,723.16                | 37.58                     | 126.675           |                    |           |
| 8,000.00                                                             | 7,980.48              | 7,860.96              | 7,830.25              | 18.73            | 19.41         | -84.16                | -4,736.97                           | -908.35      | 4,762.41               | 4,724.30                | 38.10                     | 124.991           |                    |           |
| 8,100.00                                                             | 8,080.06              | 7,993.33              | 7,962.21              | 19.00            | 19.79         | -84.19                | -4,739.25                           | -918.53      | 4,764.01               | 4,725.27                | 38.75                     | 122.951           |                    |           |
| 8,200.00                                                             | 8,179.64              | 8,081.42              | 8,049.99              | 19.26            | 20.04         | -84.20                | -4,740.37                           | -925.81      | 4,765.19               | 4,725.93                | 39.26                     | 121.361           |                    |           |
| 8,243.13                                                             | 8,222.58              | 8,122.82              | 8,091.26              | 19.37            | 20.16         | -84.21                | -4,740.99                           | -929.06      | 4,765.78               | 4,726.28                | 39.50                     | 120.664           |                    |           |
| 8,300.00                                                             | 8,279.24              | 8,180.04              | 8,148.31              | 19.50            | 20.33         | -84.22                | -4,741.87                           | -933.32      | 4,766.58               | 4,726.79                | 39.79                     | 119.786           |                    |           |
| 8,400.00                                                             | 8,378.97              | 8,320.45              | 8,288.33              | 19.70            | 20.72         | -84.23                | -4,743.21                           | -943.80      | 4,767.48               | 4,727.09                | 40.39                     | 118.044           |                    |           |
| 8,500.00                                                             | 8,478.82              | 8,421.00              | 8,388.62              | 19.89            | 21.00         | -84.22                | -4,744.01                           | -950.99      | 4,768.43               | 4,727.58                | 40.86                     | 116.709           |                    |           |
| 8,600.00                                                             | 8,578.74              | 8,523.47              | 8,490.84              | 20.08            | 21.28         | -84.20                | -4,744.65                           | -958.01      | 4,769.36               | 4,728.03                | 41.33                     | 115.409           |                    |           |
| 8,700.00                                                             | 8,678.72              | 8,617.42              | 8,584.47              | 20.26            | 21.55         | -84.14                | -4,745.23                           | -965.79      | 4,770.61               | 4,728.83                | 41.78                     | 114.192           |                    |           |
| 8,768.36                                                             | 8,747.08              | 8,684.05              | 8,650.87              | 20.38            | 21.75         | -174.09               | -4,745.67                           | -971.35      | 4,771.61               | 4,729.51                | 42.10                     | 113.352           |                    |           |
| 8,800.00                                                             | 8,778.72              | 8,714.62              | 8,681.33              | 20.44            | 21.84         | -174.06               | -4,745.89                           | -973.82      | 4,772.10               | 4,729.85                | 42.25                     | 112.961           |                    |           |
| 8,900.00                                                             | 8,878.72              | 8,816.12              | 8,782.50              | 20.64            | 22.14         | -173.96               | -4,746.64                           | -981.96      | 4,773.67               | 4,730.93                | 42.75                     | 111.678           |                    |           |
| 9,000.00                                                             | 8,978.72              | 8,942.00              | 8,907.91              | 20.84            | 22.51         | -173.83               | -4,747.11                           | -992.80      | 4,774.97               | 4,731.65                | 43.32                     | 110.229           |                    |           |
| 9,068.36                                                             | 9,047.08              | 8,996.52              | 8,962.25              | 20.97            | 22.67         | -173.78               | -4,747.23                           | -997.29      | 4,775.74               | 4,732.13                | 43.61                     | 109.499           |                    |           |
| 9,100.00                                                             | 9,078.70              | 9,020.35              | 8,986.00              | 21.03            | 22.75         | 6.66                  | -4,747.36                           | -999.19      | 4,775.31               | 4,731.57                | 43.74                     | 109.168           |                    |           |
| 9,150.00                                                             | 9,128.44              | 9,068.73              | 9,034.23              | 21.12            | 22.89         | 6.76                  | -4,747.68                           | -1,003.03    | 4,771.17               | 4,727.20                | 43.97                     | 108.503           |                    |           |
| 9,200.00                                                             | 9,177.57              | 9,124.12              | 9,089.40              | 21.21            | 23.06         | 6.94                  | -4,747.94                           | -1,007.92    | 4,762.70               | 4,718.47                | 44.22                     | 107.694           |                    |           |
| 9,250.00                                                             | 9,225.69              | 9,165.24              | 9,130.34              | 21.30            | 23.19         | 7.17                  | -4,748.10                           | -1,011.76    | 4,749.99               | 4,705.56                | 44.43                     | 106.905           |                    |           |
| 9,300.00                                                             | 9,272.46              | 9,203.73              | 9,168.68              | 21.40            | 23.31         | 7.46                  | -4,748.33                           | -1,015.25    | 4,733.24               | 4,688.61                | 44.63                     | 106.062           |                    |           |

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit (Offsets) - 57H - OH - OH                 |                       |                       |                       |                  |               |                       |                        |              |                        |                         |                           |                   | Offset Site Error: 0.00 usft |  |
|----------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|------------------------------|--|
| Survey Program: 172- VES GyroFlex V2, 1519-MWD-ISCWSA, 16135-Project |                       |                       |                       |                  |               |                       |                        |              |                        |                         |                           |                   | Offset Well Error: 0.00 usft |  |
| Reference                                                            |                       | Offset                |                       | Semi Major Axis  |               | Highside Toolface (°) | Offset Wellbore Centre |              | Distance               |                         | Minimum Separation (usft) | Separation Factor | Warning                      |  |
| Measured Depth (usft)                                                | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) |                       | +N/-S (usft)           | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) |                           |                   |                              |  |
| 9,350.00                                                             | 9,317.51              | 9,246.44              | 9,211.21              | 21.49            | 23.44         | 7.84                  | -4,748.66              | -1,019.00    | 4,712.56               | 4,667.73                | 44.83                     | 105.122           |                              |  |
| 9,400.00                                                             | 9,360.51              | 9,294.31              | 9,258.92              | 21.59            | 23.58         | 8.34                  | -4,749.03              | -1,022.97    | 4,688.00               | 4,642.96                | 45.04                     | 104.084           |                              |  |
| 9,450.00                                                             | 9,401.12              | 9,334.89              | 9,299.38              | 21.69            | 23.70         | 8.96                  | -4,749.34              | -1,026.14    | 4,659.77               | 4,614.55                | 45.22                     | 103.050           |                              |  |
| 9,500.00                                                             | 9,439.03              | 9,367.68              | 9,332.08              | 21.80            | 23.79         | 9.71                  | -4,749.64              | -1,028.49    | 4,628.13               | 4,582.76                | 45.36                     | 102.029           |                              |  |
| 9,550.00                                                             | 9,473.97              | 9,398.06              | 9,362.39              | 21.91            | 23.87         | 10.67                 | -4,749.97              | -1,030.48    | 4,593.33               | 4,547.84                | 45.49                     | 100.977           |                              |  |
| 9,600.00                                                             | 9,505.65              | 9,431.37              | 9,395.64              | 22.04            | 23.96         | 11.93                 | -4,750.38              | -1,032.50    | 4,555.61               | 4,510.00                | 45.62                     | 99.871            |                              |  |
| 9,650.00                                                             | 9,533.84              | 9,467.69              | 9,431.89              | 22.18            | 24.06         | 13.64                 | -4,750.78              | -1,034.76    | 4,515.21               | 4,469.47                | 45.74                     | 98.718            |                              |  |
| 9,700.00                                                             | 9,558.33              | 9,499.14              | 9,463.27              | 22.35            | 24.14         | 15.97                 | -4,751.06              | -1,036.78    | 4,472.44               | 4,426.60                | 45.84                     | 97.565            |                              |  |
| 9,750.00                                                             | 9,578.93              | 9,525.50              | 9,489.57              | 22.54            | 24.21         | 19.30                 | -4,751.25              | -1,038.52    | 4,427.63               | 4,381.71                | 45.92                     | 96.421            |                              |  |
| 9,800.00                                                             | 9,595.48              | 9,552.16              | 9,516.16              | 22.75            | 24.28         | 24.40                 | -4,751.40              | -1,040.33    | 4,381.14               | 4,335.14                | 45.99                     | 95.259            |                              |  |
| 9,850.00                                                             | 9,607.86              | 9,578.94              | 9,542.89              | 22.99            | 24.35         | 32.92                 | -4,751.46              | -1,042.21    | 4,333.31               | 4,287.25                | 46.06                     | 94.088            |                              |  |
| 9,900.00                                                             | 9,615.96              | 9,596.00              | 9,559.90              | 23.25            | 24.40         | 48.01                 | -4,751.45              | -1,043.43    | 4,284.53               | 4,238.45                | 46.09                     | 92.969            |                              |  |
| 9,950.00                                                             | 9,619.74              | 9,603.60              | 9,567.47              | 23.55            | 24.42         | 74.68                 | -4,751.43              | -1,043.99    | 4,235.22               | 4,189.13                | 46.08                     | 91.905            |                              |  |
| 9,974.90                                                             | 9,620.00              | 9,603.95              | 9,567.83              | 23.70            | 24.42         | 91.73                 | -4,751.43              | -1,044.01    | 4,210.57               | 4,164.50                | 46.07                     | 91.395            |                              |  |
| 10,000.00                                                            | 9,619.71              | 9,603.19              | 9,567.07              | 27.27            | 24.41         | 91.65                 | -4,751.44              | -1,043.96    | 4,185.73               | 4,134.88                | 50.85                     | 82.311            |                              |  |
| 10,100.00                                                            | 9,618.57              | 9,600.26              | 9,564.15              | 27.34            | 24.41         | 91.37                 | -4,751.44              | -1,043.74    | 4,086.78               | 4,035.87                | 50.91                     | 80.271            |                              |  |
| 10,200.00                                                            | 9,617.43              | 9,597.48              | 9,561.37              | 27.41            | 24.40         | 91.11                 | -4,751.45              | -1,043.54    | 3,987.89               | 3,936.91                | 50.97                     | 78.236            |                              |  |
| 10,300.00                                                            | 9,616.29              | 9,594.84              | 9,558.74              | 27.49            | 24.39         | 90.86                 | -4,751.45              | -1,043.35    | 3,889.05               | 3,838.01                | 51.03                     | 76.206            |                              |  |
| 10,400.00                                                            | 9,615.15              | 9,592.34              | 9,556.25              | 27.57            | 24.39         | 90.62                 | -4,751.46              | -1,043.17    | 3,790.27               | 3,739.17                | 51.10                     | 74.181            |                              |  |
| 10,500.00                                                            | 9,614.00              | 9,589.95              | 9,553.87              | 27.66            | 24.38         | 90.39                 | -4,751.46              | -1,043.00    | 3,691.55               | 3,640.39                | 51.16                     | 72.161            |                              |  |
| 10,600.00                                                            | 9,612.86              | 9,587.68              | 9,551.60              | 27.74            | 24.37         | 90.17                 | -4,751.46              | -1,042.83    | 3,592.91               | 3,541.68                | 51.22                     | 70.146            |                              |  |
| 10,700.00                                                            | 9,611.72              | 9,585.52              | 9,549.44              | 27.83            | 24.37         | 89.97                 | -4,751.46              | -1,042.68    | 3,494.34               | 3,443.05                | 51.28                     | 68.138            |                              |  |
| 10,800.00                                                            | 9,610.58              | 9,583.45              | 9,547.38              | 27.92            | 24.36         | 89.77                 | -4,751.46              | -1,042.53    | 3,395.85               | 3,344.50                | 51.35                     | 66.135            |                              |  |
| 10,900.00                                                            | 9,609.44              | 9,581.47              | 9,545.41              | 28.02            | 24.36         | 89.58                 | -4,751.46              | -1,042.39    | 3,297.45               | 3,246.04                | 51.41                     | 64.138            |                              |  |
| 11,000.00                                                            | 9,608.29              | 9,579.58              | 9,543.52              | 28.12            | 24.35         | 89.40                 | -4,751.46              | -1,042.26    | 3,199.16               | 3,147.68                | 51.48                     | 62.148            |                              |  |
| 11,100.00                                                            | 9,607.15              | 9,577.77              | 9,541.72              | 28.22            | 24.35         | 89.22                 | -4,751.46              | -1,042.13    | 3,100.97               | 3,049.43                | 51.54                     | 60.165            |                              |  |
| 11,200.00                                                            | 9,606.01              | 9,576.04              | 9,539.99              | 28.32            | 24.34         | 89.06                 | -4,751.46              | -1,042.00    | 3,002.90               | 2,951.29                | 51.61                     | 58.189            |                              |  |
| 11,300.00                                                            | 9,604.87              | 9,574.37              | 9,538.33              | 28.43            | 24.34         | 88.90                 | -4,751.46              | -1,041.89    | 2,904.96               | 2,853.29                | 51.67                     | 56.220            |                              |  |
| 11,400.00                                                            | 9,603.72              | 9,572.77              | 9,536.73              | 28.55            | 24.33         | 88.74                 | -4,751.46              | -1,041.77    | 2,807.16               | 2,755.43                | 51.74                     | 54.259            |                              |  |
| 11,500.00                                                            | 9,602.58              | 9,571.24              | 9,535.20              | 28.67            | 24.33         | 88.60                 | -4,751.46              | -1,041.66    | 2,709.53               | 2,657.73                | 51.80                     | 52.305            |                              |  |
| 11,600.00                                                            | 9,601.44              | 9,569.76              | 9,533.73              | 28.80            | 24.33         | 88.46                 | -4,751.45              | -1,041.56    | 2,612.08               | 2,560.21                | 51.87                     | 50.360            |                              |  |
| 11,700.00                                                            | 9,600.30              | 9,568.34              | 9,532.31              | 28.93            | 24.32         | 88.32                 | -4,751.45              | -1,041.46    | 2,514.82               | 2,462.89                | 51.93                     | 48.424            |                              |  |
| 11,800.00                                                            | 9,599.16              | 9,566.97              | 9,530.94              | 29.08            | 24.32         | 88.19                 | -4,751.45              | -1,041.36    | 2,417.79               | 2,365.79                | 52.00                     | 46.497            |                              |  |
| 11,900.00                                                            | 9,598.01              | 9,565.65              | 9,529.63              | 29.24            | 24.31         | 88.06                 | -4,751.44              | -1,041.27    | 2,321.00               | 2,268.94                | 52.06                     | 44.580            |                              |  |
| 12,000.00                                                            | 9,596.87              | 9,564.38              | 9,528.36              | 29.42            | 24.31         | 87.94                 | -4,751.44              | -1,041.18    | 2,224.51               | 2,172.38                | 52.13                     | 42.672            |                              |  |
| 12,100.00                                                            | 9,595.73              | 9,563.15              | 9,527.13              | 29.62            | 24.31         | 87.82                 | -4,751.44              | -1,041.10    | 2,128.33               | 2,076.14                | 52.20                     | 40.776            |                              |  |
| 12,200.00                                                            | 9,594.59              | 9,561.97              | 9,525.95              | 29.85            | 24.30         | 87.71                 | -4,751.44              | -1,041.01    | 2,032.53               | 1,980.26                | 52.26                     | 38.891            |                              |  |
| 12,300.00                                                            | 9,593.45              | 9,560.82              | 9,524.81              | 30.10            | 24.30         | 87.60                 | -4,751.43              | -1,040.94    | 1,937.14               | 1,884.82                | 52.33                     | 37.019            |                              |  |
| 12,400.00                                                            | 9,592.30              | 9,559.71              | 9,523.70              | 30.40            | 24.30         | 87.49                 | -4,751.43              | -1,040.86    | 1,842.25               | 1,789.85                | 52.40                     | 35.160            |                              |  |
| 12,500.00                                                            | 9,591.16              | 9,558.64              | 9,522.64              | 30.73            | 24.30         | 87.39                 | -4,751.43              | -1,040.78    | 1,747.93               | 1,695.46                | 52.47                     | 33.315            |                              |  |
| 12,600.00                                                            | 9,590.02              | 9,557.61              | 9,521.60              | 31.09            | 24.29         | 87.29                 | -4,751.42              | -1,040.71    | 1,654.27               | 1,601.73                | 52.54                     | 31.487            |                              |  |
| 12,700.00                                                            | 9,588.88              | 9,556.60              | 9,520.60              | 31.49            | 24.29         | 87.19                 | -4,751.42              | -1,040.64    | 1,561.40               | 1,508.78                | 52.61                     | 29.677            |                              |  |
| 12,800.00                                                            | 9,587.73              | 9,555.63              | 9,519.63              | 31.93            | 24.29         | 87.10                 | -4,751.42              | -1,040.57    | 1,469.46               | 1,416.77                | 52.69                     | 27.887            |                              |  |
| 12,900.00                                                            | 9,586.59              | 9,554.69              | 9,518.69              | 32.38            | 24.29         | 87.01                 | -4,751.41              | -1,040.51    | 1,378.65               | 1,325.87                | 52.78                     | 26.121            |                              |  |
| 13,000.00                                                            | 9,585.45              | 9,553.77              | 9,517.78              | 32.87            | 24.28         | 86.92                 | -4,751.41              | -1,040.45    | 1,289.19               | 1,236.31                | 52.88                     | 24.381            |                              |  |
| 13,100.00                                                            | 9,584.31              | 9,552.89              | 9,516.89              | 33.37            | 24.28         | 86.83                 | -4,751.40              | -1,040.38    | 1,201.40               | 1,148.41                | 52.99                     | 22.672            |                              |  |
| 13,200.00                                                            | 9,583.17              | 9,552.02              | 9,516.03              | 33.88            | 24.28         | 86.75                 | -4,751.40              | -1,040.33    | 1,115.67               | 1,062.54                | 53.12                     | 21.001            |                              |  |
| 13,300.00                                                            | 9,582.02              | 9,551.19              | 9,515.20              | 34.42            | 24.28         | 86.67                 | -4,751.40              | -1,040.27    | 1,032.50               | 979.22                  | 53.28                     | 19.377            |                              |  |
| 13,400.00                                                            | 9,580.88              | 9,550.38              | 9,514.39              | 34.96            | 24.27         | 86.59                 | -4,751.39              | -1,040.21    | 952.58                 | 899.09                  | 53.48                     | 17.810            |                              |  |
| 13,500.00                                                            | 9,579.74              | 9,549.59              | 9,513.60              | 35.52            | 24.27         | 86.52                 | -4,751.39              | -1,040.16    | 876.78                 | 823.05                  | 53.73                     | 16.317            |                              |  |
| 13,600.00                                                            | 9,578.60              | 9,548.82              | 9,512.84              | 36.09            | 24.27         | 86.44                 | -4,751.39              | -1,040.10    | 806.28                 | 752.24                  | 54.04                     | 14.919            |                              |  |
| 13,700.00                                                            | 9,577.46              | 9,548.07              | 9,512.09              | 36.67            | 24.27         | 86.37                 | -4,751.38              | -1,040.05    | 742.59                 | 688.16                  | 54.42                     | 13.644            |                              |  |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit (Offsets) - 57H - OH - OH                 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: 0.00 usft |  |
|----------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|------------------------------|--|
| Survey Program: 172- VES GyroFlex V2, 1519-MWD-ISCWSA, 16135-Project |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: 0.00 usft |  |
| Reference                                                            |                       | Offset                |                       | Semi Major Axis  |               | Distance              |                                     |              |                        |                         |                           |                   | Warning                      |  |
| Measured Depth (usft)                                                | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (") | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                              |  |
| 13,800.00                                                            | 9,576.31              | 9,547.35              | 9,511.37              | 37.25            | 24.27         | 86.30                 | -4,751.38                           | -1,040.00    | 687.59                 | 632.71                  | 54.88                     | 12.529            | 10.472 CC, ES<br>10.451 SF   |  |
| 13,900.00                                                            | 9,575.17              | 9,546.64              | 9,510.66              | 37.84            | 24.26         | 86.23                 | -4,751.38                           | -1,039.96    | 643.52                 | 588.12                  | 55.40                     | 11.616            |                              |  |
| 14,000.00                                                            | 9,574.03              | 9,545.95              | 9,509.97              | 38.45            | 24.26         | 86.17                 | -4,751.37                           | -1,039.91    | 612.74                 | 556.76                  | 55.98                     | 10.946            |                              |  |
| 14,100.00                                                            | 9,572.89              | 9,545.28              | 9,509.31              | 39.05            | 24.26         | 86.10                 | -4,751.37                           | -1,039.86    | 597.32                 | 540.71                  | 56.61                     | 10.552            |                              |  |
| 14,143.32                                                            | 9,572.39              | 9,544.99              | 9,509.02              | 39.32            | 24.26         | 86.08                 | -4,751.37                           | -1,039.84    | 595.75                 | 538.86                  | 56.89                     | 10.472 CC, ES     |                              |  |
| 14,200.00                                                            | 9,571.75              | 9,544.63              | 9,508.65              | 39.67            | 24.26         | 86.04                 | -4,751.37                           | -1,039.82    | 598.44                 | 541.18                  | 57.26                     | 10.451 SF         |                              |  |
| 14,300.00                                                            | 9,570.60              | 9,543.99              | 9,508.02              | 40.29            | 24.26         | 85.98                 | -4,751.36                           | -1,039.77    | 616.01                 | 558.12                  | 57.89                     | 10.642            |                              |  |
| 14,400.00                                                            | 9,569.46              | 9,543.37              | 9,507.40              | 40.91            | 24.26         | 85.92                 | -4,751.36                           | -1,039.73    | 648.69                 | 590.28                  | 58.41                     | 11.106            |                              |  |
| 14,500.00                                                            | 9,568.32              | 9,539.00              | 9,503.04              | 41.54            | 24.24         | 85.50                 | -4,751.34                           | -1,039.43    | 694.37                 | 635.59                  | 58.77                     | 11.814            |                              |  |
| 14,600.00                                                            | 9,567.18              | 9,539.00              | 9,503.04              | 42.18            | 24.24         | 85.50                 | -4,751.34                           | -1,039.43    | 750.65                 | 691.65                  | 59.00                     | 12.722            |                              |  |
| 14,700.00                                                            | 9,566.03              | 9,539.00              | 9,503.04              | 42.82            | 24.24         | 85.50                 | -4,751.34                           | -1,039.43    | 815.36                 | 756.23                  | 59.13                     | 13.790            |                              |  |
| 14,800.00                                                            | 9,564.89              | 9,539.00              | 9,503.04              | 43.46            | 24.24         | 85.50                 | -4,751.34                           | -1,039.43    | 886.64                 | 827.46                  | 59.18                     | 14.981            |                              |  |
| 14,900.00                                                            | 9,563.75              | 9,539.00              | 9,503.04              | 44.11            | 24.24         | 85.50                 | -4,751.34                           | -1,039.43    | 963.05                 | 903.85                  | 59.19                     | 16.269            |                              |  |
| 15,000.00                                                            | 9,562.61              | 9,539.00              | 9,503.04              | 44.76            | 24.24         | 85.50                 | -4,751.34                           | -1,039.43    | 1,043.45               | 984.27                  | 59.18                     | 17.632            |                              |  |
| 15,100.00                                                            | 9,561.47              | 9,539.00              | 9,503.04              | 45.42            | 24.24         | 85.50                 | -4,751.34                           | -1,039.43    | 1,127.00               | 1,067.84                | 59.16                     | 19.051            |                              |  |
| 15,200.00                                                            | 9,560.32              | 9,539.00              | 9,503.04              | 46.08            | 24.24         | 85.50                 | -4,751.34                           | -1,039.43    | 1,213.03               | 1,153.90                | 59.13                     | 20.514            |                              |  |
| 15,300.00                                                            | 9,559.18              | 9,539.00              | 9,503.04              | 46.74            | 24.24         | 85.50                 | -4,751.34                           | -1,039.43    | 1,301.07               | 1,241.95                | 59.11                     | 22.009            |                              |  |
| 15,400.00                                                            | 9,558.04              | 9,539.00              | 9,503.04              | 47.41            | 24.24         | 85.50                 | -4,751.34                           | -1,039.43    | 1,390.72               | 1,331.62                | 59.11                     | 23.530            |                              |  |
| 15,500.00                                                            | 9,556.90              | 9,539.00              | 9,503.04              | 48.08            | 24.24         | 85.50                 | -4,751.34                           | -1,039.43    | 1,481.70               | 1,422.60                | 59.11                     | 25.069            |                              |  |
| 15,600.00                                                            | 9,555.76              | 9,539.00              | 9,503.04              | 48.75            | 24.24         | 85.50                 | -4,751.34                           | -1,039.43    | 1,573.77               | 1,514.66                | 59.11                     | 26.622            |                              |  |
| 15,700.00                                                            | 9,554.61              | 9,539.00              | 9,503.04              | 49.43            | 24.24         | 85.50                 | -4,751.34                           | -1,039.43    | 1,666.76               | 1,607.63                | 59.13                     | 28.186            |                              |  |
| 15,800.00                                                            | 9,553.47              | 9,539.00              | 9,503.04              | 50.10            | 24.24         | 85.50                 | -4,751.34                           | -1,039.43    | 1,760.52               | 1,701.36                | 59.16                     | 29.758            |                              |  |
| 15,900.00                                                            | 9,552.33              | 9,539.00              | 9,503.04              | 50.79            | 24.24         | 85.50                 | -4,751.34                           | -1,039.43    | 1,854.93               | 1,795.73                | 59.20                     | 31.335            |                              |  |
| 16,000.00                                                            | 9,551.19              | 12,784.53             | 11,272.88             | 51.47            | 55.79         | 153.83                | -6,514.37                           | -1,289.42    | 1,945.70               | 1,872.62                | 73.07                     | 26.626            |                              |  |
| 16,100.00                                                            | 9,550.05              | 12,916.94             | 11,276.92             | 52.15            | 58.59         | 153.80                | -6,646.67                           | -1,292.17    | 1,950.66               | 1,875.66                | 75.00                     | 26.009            |                              |  |
| 16,200.00                                                            | 9,548.90              | 12,994.00             | 11,279.10             | 52.84            | 60.20         | 153.75                | -6,723.66                           | -1,294.82    | 1,955.94               | 1,878.95                | 76.98                     | 25.408            |                              |  |
| 16,300.00                                                            | 9,547.76              | 13,101.68             | 11,282.25             | 53.53            | 62.54         | 153.67                | -6,831.19                           | -1,299.45    | 1,961.86               | 1,882.87                | 78.99                     | 24.835            |                              |  |
| 16,400.00                                                            | 9,546.62              | 13,248.80             | 11,282.04             | 54.22            | 66.23         | 153.47                | -6,978.12                           | -1,306.86    | 1,965.13               | 1,883.86                | 81.27                     | 24.180            |                              |  |
| 16,500.00                                                            | 9,545.48              | 13,331.97             | 11,281.24             | 54.92            | 68.20         | 153.34                | -7,061.16                           | -1,311.31    | 1,968.05               | 1,884.62                | 83.43                     | 23.588            |                              |  |
| 16,600.00                                                            | 9,544.33              | 13,403.49             | 11,281.72             | 55.61            | 69.75         | 153.25                | -7,132.59                           | -1,314.88    | 1,972.26               | 1,886.76                | 85.50                     | 23.068            |                              |  |
| 16,700.00                                                            | 9,543.19              | 13,465.00             | 11,283.29             | 56.31            | 71.00         | 153.19                | -7,194.02                           | -1,317.69    | 1,978.04               | 1,890.54                | 87.50                     | 22.607            |                              |  |
| 16,800.00                                                            | 9,542.05              | 13,526.60             | 11,286.18             | 57.01            | 72.25         | 153.16                | -7,255.48                           | -1,320.51    | 1,985.74               | 1,896.27                | 89.46                     | 22.196            |                              |  |
| 16,900.00                                                            | 9,540.91              | 13,647.96             | 11,293.65             | 57.71            | 74.92         | 153.09                | -7,376.45                           | -1,326.56    | 1,995.00               | 1,903.52                | 91.49                     | 21.806            |                              |  |
| 16,979.53                                                            | 9,540.00              | 13,767.26             | 11,297.10             | 58.27            | 77.90         | 152.97                | -7,495.52                           | -1,333.09    | 1,999.96               | 1,906.65                | 93.31                     | 21.434            |                              |  |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design                                  |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.00 usft |
|------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Thistle Unit (Offsets) - 58H - OH - OH         |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.00 usft |
| Survey Program: 1629-MWD-ISCWSA, 16290-Project |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   |                    |           |
| Reference                                      |                       | Offset                |                       | Semi Major Axis  |               | Distance              |                                     | Warning      |                        |                         |                           |                   |                    |           |
| Measured Depth (usft)                          | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (") | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |           |
| 0.00                                           | 0.00                  | 1,535.00              | 1,534.97              | 0.00             | 0.00          | -176.34               | -4,756.83                           | -304.64      | 5,014.67               |                         |                           |                   |                    |           |
| 100.00                                         | 100.00                | 1,535.00              | 1,534.97              | 0.09             | 0.00          | -176.34               | -4,756.83                           | -304.64      | 4,984.51               | 4,983.14                | 1.37                      | 3,637.604         |                    |           |
| 200.00                                         | 200.00                | 1,535.00              | 1,534.97              | 0.31             | 0.00          | -176.34               | -4,756.83                           | -304.64      | 4,956.19               | 4,954.90                | 1.29                      | 3,842.150         |                    |           |
| 300.00                                         | 300.00                | 1,535.00              | 1,534.97              | 0.54             | 0.00          | -176.34               | -4,756.83                           | -304.64      | 4,929.73               | 4,928.47                | 1.26                      | 3,924.634         |                    |           |
| 400.00                                         | 400.00                | 1,535.00              | 1,534.97              | 0.76             | 0.00          | -176.34               | -4,756.83                           | -304.64      | 4,905.17               | 4,903.89                | 1.27                      | 3,853.533         |                    |           |
| 500.00                                         | 500.00                | 1,535.00              | 1,534.97              | 0.99             | 0.00          | -176.34               | -4,756.83                           | -304.64      | 4,882.53               | 4,881.19                | 1.34                      | 3,647.091         |                    |           |
| 600.00                                         | 600.00                | 1,535.00              | 1,534.97              | 1.21             | 0.00          | -176.34               | -4,756.83                           | -304.64      | 4,861.85               | 4,860.40                | 1.45                      | 3,359.783         |                    |           |
| 700.00                                         | 700.00                | 1,535.00              | 1,534.97              | 1.43             | 0.00          | -176.34               | -4,756.83                           | -304.64      | 4,843.14               | 4,841.55                | 1.59                      | 3,047.596         |                    |           |
| 800.00                                         | 800.00                | 1,535.00              | 1,534.97              | 1.66             | 0.00          | -176.34               | -4,756.83                           | -304.64      | 4,826.43               | 4,824.68                | 1.76                      | 2,747.487         |                    |           |
| 900.00                                         | 900.00                | 1,535.00              | 1,534.97              | 1.88             | 0.00          | -176.34               | -4,756.83                           | -304.64      | 4,811.75               | 4,809.80                | 1.94                      | 2,476.810         |                    |           |
| 1,000.00                                       | 1,000.00              | 1,535.00              | 1,534.97              | 2.11             | 0.00          | -176.34               | -4,756.83                           | -304.64      | 4,799.10               | 4,796.96                | 2.14                      | 2,240.394         |                    |           |
| 1,100.00                                       | 1,100.00              | 1,535.00              | 1,534.97              | 2.33             | 0.00          | -176.34               | -4,756.83                           | -304.64      | 4,788.51               | 4,786.16                | 2.35                      | 2,036.901         |                    |           |
| 1,200.00                                       | 1,200.00              | 1,535.00              | 1,534.97              | 2.56             | 0.00          | -176.34               | -4,756.83                           | -304.64      | 4,779.98               | 4,777.42                | 2.57                      | 1,862.626         |                    |           |
| 1,300.00                                       | 1,300.00              | 1,535.00              | 1,534.97              | 2.78             | 0.00          | -176.34               | -4,756.83                           | -304.64      | 4,773.54               | 4,770.75                | 2.79                      | 1,713.348         |                    |           |
| 1,400.00                                       | 1,400.00              | 1,535.00              | 1,534.97              | 3.01             | 0.00          | -176.34               | -4,756.83                           | -304.64      | 4,769.19               | 4,766.18                | 3.01                      | 1,585.113         |                    |           |
| 1,500.00                                       | 1,500.00              | 1,535.00              | 1,534.97              | 3.23             | 0.00          | -176.34               | -4,756.83                           | -304.64      | 4,766.93               | 4,763.69                | 3.23                      | 1,474.491         |                    |           |
| 1,600.00                                       | 1,600.00              | 1,640.05              | 1,639.92              | 3.46             | 0.17          | -176.39               | -4,756.15                           | -300.32      | 4,766.03               | 4,762.43                | 3.60                      | 1,322.687         |                    |           |
| 1,700.00                                       | 1,700.00              | 1,749.33              | 1,748.82              | 3.68             | 0.44          | -176.49               | -4,755.19                           | -291.30      | 4,764.64               | 4,760.52                | 4.12                      | 1,156.658         |                    |           |
| 1,800.00                                       | 1,800.00              | 1,854.29              | 1,853.16              | 3.91             | 0.73          | -176.63               | -4,754.17                           | -280.02      | 4,763.01               | 4,758.37                | 4.64                      | 1,026.690         |                    |           |
| 1,900.00                                       | 1,900.00              | 1,948.78              | 1,947.10              | 4.13             | 0.99          | -176.75               | -4,753.37                           | -269.77      | 4,761.53               | 4,756.41                | 5.12                      | 930.125           |                    |           |
| 2,000.00                                       | 2,000.00              | 2,066.21              | 2,063.71              | 4.36             | 1.34          | -176.92               | -4,752.25                           | -256.12      | 4,759.94               | 4,754.25                | 5.69                      | 836.709           |                    |           |
| 2,100.00                                       | 2,100.00              | 2,189.00              | 2,185.37              | 4.58             | 1.72          | -177.11               | -4,750.62                           | -239.53      | 4,757.88               | 4,751.58                | 6.30                      | 755.662           |                    |           |
| 2,200.00                                       | 2,200.00              | 2,286.37              | 2,281.87              | 4.81             | 2.01          | -177.27               | -4,749.08                           | -226.62      | 4,755.63               | 4,748.83                | 6.80                      | 698.867           |                    |           |
| 2,300.00                                       | 2,300.00              | 2,351.95              | 2,346.92              | 5.03             | 2.19          | -177.37               | -4,748.26                           | -218.30      | 4,753.79               | 4,746.57                | 7.22                      | 658.690           |                    |           |
| 2,400.00                                       | 2,400.00              | 2,427.25              | 2,421.64              | 5.26             | 2.41          | -177.48               | -4,747.84                           | -209.05      | 4,752.64               | 4,744.99                | 7.66                      | 620.608           |                    |           |
| 2,500.00                                       | 2,500.00              | 2,521.62              | 2,515.34              | 5.48             | 2.68          | -177.61               | -4,747.56                           | -197.77      | 4,751.83               | 4,743.68                | 8.15                      | 582.812           |                    |           |
| 2,600.00                                       | 2,600.00              | 2,637.38              | 2,630.37              | 5.71             | 3.01          | -177.77               | -4,747.01                           | -184.81      | 4,750.91               | 4,742.21                | 8.70                      | 545.911           |                    |           |
| 2,700.00                                       | 2,700.00              | 2,730.37              | 2,722.85              | 5.93             | 3.26          | -177.89               | -4,746.35                           | -175.09      | 4,749.80               | 4,740.61                | 9.18                      | 517.206           |                    |           |
| 2,800.00                                       | 2,800.00              | 2,823.22              | 2,815.23              | 6.15             | 3.51          | -178.00               | -4,745.90                           | -165.85      | 4,748.95               | 4,739.29                | 9.66                      | 491.622           |                    |           |
| 2,900.00                                       | 2,900.00              | 2,931.63              | 2,923.14              | 6.38             | 3.80          | -178.12               | -4,745.33                           | -155.44      | 4,748.10               | 4,737.93                | 10.17                     | 466.646           |                    |           |
| 3,000.00                                       | 3,000.00              | 3,003.48              | 2,994.55              | 6.60             | 4.01          | -178.22               | -4,745.04                           | -147.51      | 4,747.36               | 4,736.76                | 10.60                     | 447.735           |                    |           |
| 3,058.94                                       | 3,058.94              | 3,044.00              | 3,034.75              | 6.73             | 4.12          | -88.28                | -4,745.15                           | -142.44      | 4,747.28               | 4,736.43                | 10.84                     | 437.784           |                    |           |
| 3,100.00                                       | 3,099.99              | 3,076.87              | 3,067.34              | 6.81             | 4.22          | -88.34                | -4,745.33                           | -138.16      | 4,747.32               | 4,736.29                | 11.03                     | 430.380           |                    |           |
| 3,200.00                                       | 3,199.96              | 3,169.87              | 3,159.57              | 7.01             | 4.50          | -88.51                | -4,745.94                           | -126.26      | 4,747.56               | 4,736.05                | 11.51                     | 412.426           |                    |           |
| 3,300.00                                       | 3,299.86              | 3,276.33              | 3,265.24              | 7.21             | 4.82          | -88.72                | -4,746.63                           | -113.31      | 4,747.82               | 4,735.79                | 12.03                     | 394.654           |                    |           |
| 3,400.00                                       | 3,399.68              | 3,395.84              | 3,383.95              | 7.42             | 5.17          | -88.98                | -4,746.96                           | -99.50       | 4,747.74               | 4,735.16                | 12.58                     | 377.320           |                    |           |
| 3,500.00                                       | 3,499.37              | 3,516.00              | 3,503.42              | 7.63             | 5.51          | -89.25                | -4,746.72                           | -86.71       | 4,747.24               | 4,734.11                | 13.13                     | 361.528           |                    |           |
| 3,525.23                                       | 3,524.50              | 3,539.03              | 3,526.34              | 7.68             | 5.57          | -89.30                | -4,746.62                           | -84.42       | 4,747.07               | 4,733.82                | 13.25                     | 358.348           |                    |           |
| 3,600.00                                       | 3,598.95              | 3,601.63              | 3,588.63              | 7.84             | 5.74          | -89.45                | -4,746.45                           | -78.14       | 4,746.70               | 4,733.13                | 13.58                     | 349.612           |                    |           |
| 3,658.98                                       | 3,657.68              | 3,644.68              | 3,631.44              | 7.97             | 5.86          | -89.55                | -4,746.44                           | -73.69       | 4,746.59               | 4,732.77                | 13.82                     | 343.375           |                    |           |
| 3,700.00                                       | 3,698.53              | 3,673.66              | 3,660.25              | 8.06             | 5.94          | -89.62                | -4,746.52                           | -70.54       | 4,746.65               | 4,732.65                | 13.99                     | 339.237           |                    |           |
| 3,800.00                                       | 3,798.11              | 3,749.30              | 3,735.37              | 8.28             | 6.15          | -89.81                | -4,747.03                           | -61.69       | 4,747.21               | 4,732.78                | 14.43                     | 329.045           |                    |           |
| 3,900.00                                       | 3,897.69              | 3,847.75              | 3,833.02              | 8.50             | 6.44          | -90.06                | -4,747.99                           | -49.21       | 4,748.19               | 4,733.24                | 14.94                     | 317.789           |                    |           |
| 4,000.00                                       | 3,997.27              | 3,951.34              | 3,935.79              | 8.73             | 6.75          | -90.33                | -4,748.71                           | -36.22       | 4,748.98               | 4,733.50                | 15.48                     | 306.865           |                    |           |
| 4,100.00                                       | 4,096.85              | 4,046.76              | 4,030.55              | 8.96             | 7.03          | -90.57                | -4,749.46                           | -25.06       | 4,749.94               | 4,733.96                | 15.98                     | 297.195           |                    |           |
| 4,200.00                                       | 4,196.43              | 4,144.28              | 4,127.34              | 9.19             | 7.31          | -90.82                | -4,750.21                           | -13.15       | 4,750.99               | 4,734.49                | 16.50                     | 287.950           |                    |           |
| 4,300.00                                       | 4,296.01              | 4,242.60              | 4,224.80              | 9.42             | 7.61          | -91.08                | -4,750.96                           | -0.22        | 4,752.15               | 4,735.12                | 17.03                     | 279.060           |                    |           |
| 4,400.00                                       | 4,395.59              | 4,346.68              | 4,327.98              | 9.65             | 7.93          | -91.36                | -4,751.69                           | 13.40        | 4,753.35               | 4,735.77                | 17.58                     | 270.381           |                    |           |
| 4,500.00                                       | 4,495.17              | 4,425.23              | 4,405.92              | 9.89             | 8.16          | -91.57                | -4,752.29                           | 23.21        | 4,754.71               | 4,736.66                | 18.05                     | 263.407           |                    |           |
| 4,600.00                                       | 4,594.75              | 4,515.13              | 4,495.13              | 10.13            | 8.43          | -91.80                | -4,753.37                           | 34.29        | 4,756.57               | 4,738.02                | 18.56                     | 256.346           |                    |           |
| 4,700.00                                       | 4,694.33              | 4,685.48              | 4,664.22              | 10.37            | 8.94          | -92.23                | -4,754.18                           | 54.85        | 4,757.84               | 4,738.54                | 19.30                     | 246.531           |                    |           |
| 4,800.00                                       | 4,793.91              | 4,779.98              | 4,757.99              | 10.61            | 9.22          | -92.47                | -4,753.79                           | 66.61        | 4,758.33               | 4,738.51                | 19.82                     | 240.078           |                    |           |

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit (Offsets) - 58H - OH - OH |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: 0.00 usft |  |
|------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|------------------------------|--|
| Survey Program: 1629-MWD-ISCWSA, 16290-Project       |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: 0.00 usft |  |
| Reference                                            |                       | Offset                |                       | Semi Major Axis  |               | Distance              |                                     |              |                        |                         |                           |                   | Warning                      |  |
| Measured Depth (usft)                                | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                              |  |
| 4,900.00                                             | 4,893.49              | 4,864.98              | 4,842.29              | 10.85            | 9.47          | -92.70                | -4,753.75                           | 77.47        | 4,759.27               | 4,738.95                | 20.32                     | 234.249           |                              |  |
| 5,000.00                                             | 4,993.07              | 4,987.60              | 4,963.85              | 11.09            | 9.85          | -93.02                | -4,753.38                           | 93.56        | 4,760.09               | 4,739.16                | 20.94                     | 227.375           |                              |  |
| 5,100.00                                             | 5,092.65              | 5,108.70              | 5,083.99              | 11.34            | 10.21         | -93.34                | -4,752.44                           | 108.70       | 4,760.52               | 4,738.98                | 21.54                     | 220.986           |                              |  |
| 5,200.00                                             | 5,192.23              | 5,191.77              | 5,166.57              | 11.58            | 10.44         | -93.54                | -4,751.84                           | 117.75       | 4,760.99               | 4,738.97                | 22.02                     | 216.210           |                              |  |
| 5,300.00                                             | 5,291.81              | 5,313.00              | 5,287.22              | 11.83            | 10.77         | -93.81                | -4,750.81                           | 129.56       | 4,761.35               | 4,738.76                | 22.59                     | 210.748           |                              |  |
| 5,400.00                                             | 5,391.39              | 5,364.75              | 5,338.71              | 12.08            | 10.91         | -93.93                | -4,750.50                           | 134.67       | 4,762.07               | 4,739.08                | 22.98                     | 207.211           |                              |  |
| 5,500.00                                             | 5,490.97              | 5,417.55              | 5,391.16              | 12.33            | 11.06         | -94.06                | -4,750.70                           | 140.73       | 4,763.87               | 4,740.50                | 23.37                     | 203.812           |                              |  |
| 5,600.00                                             | 5,590.55              | 5,502.00              | 5,474.98              | 12.58            | 11.31         | -94.27                | -4,751.43                           | 150.99       | 4,766.33               | 4,742.46                | 23.87                     | 199.707           |                              |  |
| 5,700.00                                             | 5,690.13              | 5,606.94              | 5,579.13              | 12.83            | 11.62         | -94.54                | -4,752.38                           | 163.88       | 4,768.93               | 4,744.50                | 24.42                     | 195.248           |                              |  |
| 5,800.00                                             | 5,789.71              | 5,785.04              | 5,755.85              | 13.08            | 12.15         | -95.00                | -4,753.17                           | 185.91       | 4,771.54               | 4,746.34                | 25.21                     | 189.300           |                              |  |
| 5,900.00                                             | 5,889.29              | 5,907.41              | 5,877.22              | 13.33            | 12.52         | -95.31                | -4,751.65                           | 201.44       | 4,772.26               | 4,746.43                | 25.83                     | 184.784           |                              |  |
| 6,000.00                                             | 5,988.87              | 6,007.40              | 5,976.41              | 13.58            | 12.82         | -95.57                | -4,750.33                           | 214.01       | 4,773.00               | 4,746.63                | 26.38                     | 180.946           |                              |  |
| 6,100.00                                             | 6,088.45              | 6,115.49              | 6,083.62              | 13.84            | 13.14         | -95.86                | -4,748.50                           | 227.62       | 4,773.48               | 4,746.53                | 26.95                     | 177.093           |                              |  |
| 6,200.00                                             | 6,188.03              | 6,204.34              | 6,171.74              | 14.09            | 13.41         | -96.09                | -4,747.12                           | 238.91       | 4,774.21               | 4,746.74                | 27.47                     | 173.781           |                              |  |
| 6,300.00                                             | 6,287.61              | 6,294.56              | 6,261.32              | 14.34            | 13.67         | -96.31                | -4,745.90                           | 249.59       | 4,775.14               | 4,747.15                | 27.99                     | 170.610           |                              |  |
| 6,400.00                                             | 6,387.19              | 6,388.88              | 6,355.06              | 14.60            | 13.94         | -96.54                | -4,744.92                           | 260.03       | 4,776.38               | 4,747.87                | 28.51                     | 167.537           |                              |  |
| 6,500.00                                             | 6,486.77              | 6,478.33              | 6,443.99              | 14.85            | 14.19         | -96.75                | -4,743.93                           | 269.61       | 4,777.61               | 4,748.60                | 29.02                     | 164.658           |                              |  |
| 6,600.00                                             | 6,586.35              | 6,541.00              | 6,506.20              | 15.11            | 14.37         | -96.91                | -4,743.52                           | 277.11       | 4,779.52               | 4,750.07                | 29.45                     | 162.306           |                              |  |
| 6,700.00                                             | 6,685.93              | 6,635.00              | 6,599.40              | 15.37            | 14.66         | -97.16                | -4,743.19                           | 289.40       | 4,781.93               | 4,751.94                | 29.98                     | 159.478           |                              |  |
| 6,800.00                                             | 6,785.51              | 6,720.17              | 6,683.82              | 15.62            | 14.92         | -97.38                | -4,743.02                           | 300.61       | 4,784.60               | 4,754.10                | 30.50                     | 156.887           |                              |  |
| 6,900.00                                             | 6,885.09              | 6,817.10              | 6,779.91              | 15.88            | 15.22         | -97.64                | -4,742.95                           | 313.41       | 4,787.50               | 4,756.46                | 31.05                     | 154.198           |                              |  |
| 7,000.00                                             | 6,984.68              | 6,922.28              | 6,884.21              | 16.14            | 15.54         | -97.91                | -4,742.84                           | 326.93       | 4,790.43               | 4,758.81                | 31.62                     | 151.505           |                              |  |
| 7,100.00                                             | 7,084.26              | 7,014.00              | 6,975.32              | 16.40            | 15.80         | -98.14                | -4,742.90                           | 337.48       | 4,793.43               | 4,761.29                | 32.14                     | 149.159           |                              |  |
| 7,200.00                                             | 7,183.84              | 7,103.46              | 7,064.24              | 16.66            | 16.05         | -98.35                | -4,743.16                           | 347.29       | 4,796.65               | 4,764.01                | 32.64                     | 146.952           |                              |  |
| 7,300.00                                             | 7,283.42              | 7,187.11              | 7,147.41              | 16.91            | 16.29         | -98.54                | -4,743.65                           | 356.23       | 4,800.20               | 4,767.07                | 33.13                     | 144.911           |                              |  |
| 7,400.00                                             | 7,383.00              | 7,417.48              | 7,376.14              | 17.17            | 16.96         | -99.11                | -4,740.76                           | 383.35       | 4,801.65               | 4,767.60                | 34.05                     | 141.005           |                              |  |
| 7,500.00                                             | 7,482.58              | 7,503.94              | 7,461.97              | 17.43            | 17.21         | -99.33                | -4,738.93                           | 393.65       | 4,802.95               | 4,768.38                | 34.56                     | 138.961           |                              |  |
| 7,600.00                                             | 7,582.16              | 7,595.79              | 7,553.19              | 17.69            | 17.48         | -99.55                | -4,737.17                           | 404.24       | 4,804.47               | 4,769.39                | 35.09                     | 136.935           |                              |  |
| 7,700.00                                             | 7,681.74              | 7,676.06              | 7,632.92              | 17.95            | 17.71         | -99.75                | -4,735.89                           | 413.38       | 4,806.36               | 4,770.78                | 35.57                     | 135.117           |                              |  |
| 7,800.00                                             | 7,781.32              | 7,780.05              | 7,736.28              | 18.21            | 18.00         | -100.00               | -4,734.39                           | 424.75       | 4,808.40               | 4,772.28                | 36.12                     | 133.124           |                              |  |
| 7,900.00                                             | 7,880.90              | 7,863.00              | 7,818.85              | 18.47            | 18.23         | -100.18               | -4,733.53                           | 432.65       | 4,810.68               | 4,774.08                | 36.60                     | 131.448           |                              |  |
| 8,000.00                                             | 7,980.48              | 7,940.72              | 7,896.19              | 18.73            | 18.43         | -100.35               | -4,732.99                           | 440.25       | 4,813.39               | 4,776.33                | 37.06                     | 129.879           |                              |  |
| 8,100.00                                             | 8,080.06              | 8,032.21              | 7,987.11              | 19.00            | 18.69         | -100.57               | -4,732.36                           | 450.51       | 4,816.46               | 4,778.88                | 37.57                     | 128.197           |                              |  |
| 8,200.00                                             | 8,179.64              | 8,086.95              | 8,041.50              | 19.26            | 18.85         | -100.70               | -4,732.17                           | 456.67       | 4,820.00               | 4,782.02                | 37.98                     | 126.913           |                              |  |
| 8,243.13                                             | 8,222.58              | 8,105.94              | 8,060.34              | 19.37            | 18.91         | -100.75               | -4,732.23                           | 458.97       | 4,821.88               | 4,783.74                | 38.14                     | 126.424           |                              |  |
| 8,300.00                                             | 8,279.24              | 8,147.00              | 8,101.06              | 19.50            | 19.03         | -100.88               | -4,732.63                           | 464.26       | 4,824.70               | 4,786.32                | 38.39                     | 125.692           |                              |  |
| 8,400.00                                             | 8,378.97              | 8,203.40              | 8,156.95              | 19.70            | 19.20         | -101.06               | -4,733.46                           | 471.71       | 4,829.98               | 4,791.25                | 38.74                     | 124.688           |                              |  |
| 8,500.00                                             | 8,478.82              | 8,305.08              | 8,257.80              | 19.89            | 19.51         | -101.32               | -4,735.16                           | 484.66       | 4,835.23               | 4,796.01                | 39.23                     | 123.265           |                              |  |
| 8,600.00                                             | 8,578.74              | 8,514.29              | 8,465.21              | 20.08            | 20.15         | -101.77               | -4,735.12                           | 511.88       | 4,838.23               | 4,798.17                | 40.06                     | 120.781           |                              |  |
| 8,700.00                                             | 8,678.72              | 8,597.79              | 8,548.02              | 20.26            | 20.41         | -101.94               | -4,734.57                           | 522.67       | 4,840.70               | 4,800.21                | 40.48                     | 119.568           |                              |  |
| 8,768.36                                             | 8,747.08              | 8,655.81              | 8,605.58              | 20.38            | 20.58         | 167.96                | -4,734.42                           | 529.92       | 4,842.39               | 4,801.61                | 40.77                     | 118.761           |                              |  |
| 8,800.00                                             | 8,778.72              | 8,683.12              | 8,632.69              | 20.44            | 20.67         | 167.92                | -4,734.40                           | 533.23       | 4,843.18               | 4,802.27                | 40.91                     | 118.379           |                              |  |
| 8,900.00                                             | 8,878.72              | 8,901.91              | 8,849.74              | 20.64            | 21.32         | 167.60                | -4,731.16                           | 560.44       | 4,844.22               | 4,802.45                | 41.77                     | 115.980           |                              |  |
| 9,000.00                                             | 8,978.72              | 8,996.00              | 8,943.13              | 20.84            | 21.60         | 167.46                | -4,728.88                           | 571.71       | 4,844.44               | 4,802.19                | 42.24                     | 114.675           |                              |  |
| 9,068.36                                             | 9,047.08              | 9,053.38              | 9,000.12              | 20.97            | 21.77         | 167.38                | -4,727.65                           | 578.27       | 4,844.71               | 4,802.16                | 42.55                     | 113.868           |                              |  |
| 9,100.00                                             | 9,078.70              | 9,080.72              | 9,027.28              | 21.03            | 21.85         | -12.25                | -4,727.11                           | 581.33       | 4,844.03               | 4,801.34                | 42.69                     | 113.483           |                              |  |
| 9,150.00                                             | 9,128.44              | 9,129.60              | 9,075.87              | 21.12            | 21.99         | -12.43                | -4,726.23                           | 586.61       | 4,839.51               | 4,796.60                | 42.91                     | 112.776           |                              |  |
| 9,200.00                                             | 9,177.57              | 9,179.73              | 9,125.74              | 21.21            | 22.13         | -12.71                | -4,725.41                           | 591.60       | 4,830.78               | 4,787.63                | 43.15                     | 111.964           |                              |  |
| 9,250.00                                             | 9,225.69              | 9,213.18              | 9,159.03              | 21.30            | 22.22         | -13.07                | -4,724.92                           | 594.86       | 4,817.95               | 4,774.62                | 43.33                     | 111.181           |                              |  |
| 9,300.00                                             | 9,272.46              | 9,243.82              | 9,189.49              | 21.40            | 22.30         | -13.55                | -4,724.52                           | 598.06       | 4,801.24               | 4,757.73                | 43.52                     | 110.334           |                              |  |
| 9,350.00                                             | 9,317.51              | 9,279.00              | 9,224.45              | 21.49            | 22.40         | -14.18                | -4,724.13                           | 602.03       | 4,780.76               | 4,737.05                | 43.71                     | 109.375           |                              |  |
| 9,400.00                                             | 9,360.51              | 9,308.95              | 9,254.20              | 21.59            | 22.48         | -14.98                | -4,723.85                           | 605.46       | 4,756.62               | 4,712.73                | 43.89                     | 108.373           |                              |  |

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit (Offsets) - 58H - OH - OH |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.00 usft |
|------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 1629-MWD-ISCWSA, 16290-Project       |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.00 usft |
| Reference                                            | Offset                | Semi Major Axis       |                       | Distance         |               | Warning               |                                     |              |                        |                         |                           |                   |                    |           |
| Measured Depth (usft)                                | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |           |
| 9,450.00                                             | 9,401.12              | 9,344.55              | 9,289.59              | 21.69            | 22.58         | -16.00                | -4,723.58                           | 609.38       | 4,728.95               | 4,684.86                | 44.09                     | 107.259           |                    |           |
| 9,500.00                                             | 9,439.03              | 9,384.12              | 9,328.94              | 21.80            | 22.70         | -17.32                | -4,723.37                           | 613.55       | 4,697.94               | 4,653.64                | 44.30                     | 106.054           |                    |           |
| 9,550.00                                             | 9,473.97              | 9,462.76              | 9,407.13              | 21.91            | 22.91         | -19.23                | -4,722.50                           | 621.82       | 4,663.62               | 4,619.00                | 44.62                     | 104.529           |                    |           |
| 9,600.00                                             | 9,505.65              | 9,468.00              | 9,412.34              | 22.04            | 22.93         | -21.19                | -4,722.42                           | 622.38       | 4,626.37               | 4,581.65                | 44.73                     | 103.440           |                    |           |
| 9,650.00                                             | 9,533.84              | 9,501.30              | 9,445.44              | 22.18            | 23.02         | -23.99                | -4,721.92                           | 626.03       | 4,586.54               | 4,541.63                | 44.92                     | 102.115           |                    |           |
| 9,700.00                                             | 9,558.33              | 9,515.50              | 9,459.54              | 22.35            | 23.06         | -27.51                | -4,721.74                           | 627.64       | 4,544.57               | 4,499.52                | 45.05                     | 100.881           |                    |           |
| 9,750.00                                             | 9,578.93              | 9,527.44              | 9,471.40              | 22.54            | 23.10         | -32.24                | -4,721.60                           | 629.03       | 4,500.71               | 4,455.53                | 45.17                     | 99.630            |                    |           |
| 9,800.00                                             | 9,595.48              | 9,537.03              | 9,480.93              | 22.75            | 23.12         | -38.76                | -4,721.51                           | 630.17       | 4,455.26               | 4,409.97                | 45.29                     | 98.368            |                    |           |
| 9,850.00                                             | 9,607.86              | 9,562.00              | 9,505.71              | 22.99            | 23.19         | -48.51                | -4,721.31                           | 633.19       | 4,408.61               | 4,363.16                | 45.45                     | 96.992            |                    |           |
| 9,900.00                                             | 9,615.96              | 9,562.00              | 9,505.71              | 23.25            | 23.19         | -61.34                | -4,721.31                           | 633.19       | 4,360.97               | 4,315.43                | 45.54                     | 95.759            |                    |           |
| 9,950.00                                             | 9,619.74              | 9,562.00              | 9,505.71              | 23.55            | 23.19         | -78.22                | -4,721.31                           | 633.19       | 4,312.79               | 4,267.16                | 45.63                     | 94.520            |                    |           |
| 9,974.90                                             | 9,620.00              | 9,562.00              | 9,505.71              | 23.70            | 23.19         | -87.66                | -4,721.31                           | 633.19       | 4,288.69               | 4,243.02                | 45.67                     | 93.901            |                    |           |
| 10,000.00                                            | 9,619.71              | 9,562.00              | 9,505.71              | 27.27            | 23.19         | -87.66                | -4,721.31                           | 633.19       | 4,264.41               | 4,214.11                | 50.30                     | 84.776            |                    |           |
| 10,100.00                                            | 9,618.57              | 9,562.00              | 9,505.71              | 27.34            | 23.19         | -87.66                | -4,721.31                           | 633.19       | 4,167.75               | 4,117.38                | 50.37                     | 82.749            |                    |           |
| 10,200.00                                            | 9,617.43              | 9,562.00              | 9,505.71              | 27.41            | 23.19         | -87.66                | -4,721.31                           | 633.19       | 4,071.24               | 4,020.81                | 50.43                     | 80.730            |                    |           |
| 10,300.00                                            | 9,616.29              | 9,562.00              | 9,505.71              | 27.49            | 23.19         | -87.66                | -4,721.31                           | 633.19       | 3,974.91               | 3,924.42                | 50.50                     | 78.717            |                    |           |
| 10,400.00                                            | 9,615.15              | 9,562.00              | 9,505.71              | 27.57            | 23.19         | -87.66                | -4,721.31                           | 633.19       | 3,878.77               | 3,828.21                | 50.56                     | 76.712            |                    |           |
| 10,500.00                                            | 9,614.00              | 9,562.00              | 9,505.71              | 27.66            | 23.19         | -87.66                | -4,721.31                           | 633.19       | 3,782.82               | 3,732.19                | 50.63                     | 74.714            |                    |           |
| 10,600.00                                            | 9,612.86              | 9,543.63              | 9,487.47              | 27.74            | 23.14         | -86.69                | -4,721.45                           | 630.95       | 3,687.02               | 3,636.36                | 50.67                     | 72.771            |                    |           |
| 10,700.00                                            | 9,611.72              | 9,542.40              | 9,486.26              | 27.83            | 23.14         | -86.62                | -4,721.46                           | 630.81       | 3,591.51               | 3,540.78                | 50.73                     | 70.792            |                    |           |
| 10,800.00                                            | 9,610.58              | 9,541.16              | 9,485.03              | 27.92            | 23.13         | -86.56                | -4,721.47                           | 630.66       | 3,496.26               | 3,445.45                | 50.80                     | 68.821            |                    |           |
| 10,900.00                                            | 9,609.44              | 9,539.91              | 9,483.78              | 28.02            | 23.13         | -86.49                | -4,721.48                           | 630.51       | 3,401.27               | 3,350.40                | 50.87                     | 66.859            |                    |           |
| 11,000.00                                            | 9,608.29              | 9,538.63              | 9,482.51              | 28.12            | 23.13         | -86.42                | -4,721.49                           | 630.36       | 3,306.58               | 3,255.64                | 50.94                     | 64.907            |                    |           |
| 11,100.00                                            | 9,607.15              | 9,537.34              | 9,481.23              | 28.22            | 23.12         | -86.35                | -4,721.51                           | 630.20       | 3,212.21               | 3,161.19                | 51.02                     | 62.965            |                    |           |
| 11,200.00                                            | 9,606.01              | 9,536.02              | 9,479.93              | 28.32            | 23.12         | -86.28                | -4,721.52                           | 630.05       | 3,118.19               | 3,067.10                | 51.09                     | 61.034            |                    |           |
| 11,300.00                                            | 9,604.87              | 9,534.69              | 9,478.60              | 28.43            | 23.12         | -86.21                | -4,721.53                           | 629.89       | 3,024.55               | 2,973.39                | 51.17                     | 59.113            |                    |           |
| 11,400.00                                            | 9,603.72              | 9,533.34              | 9,477.26              | 28.55            | 23.11         | -86.14                | -4,721.54                           | 629.73       | 2,931.33               | 2,880.09                | 51.24                     | 57.205            |                    |           |
| 11,500.00                                            | 9,602.58              | 9,531.97              | 9,475.90              | 28.67            | 23.11         | -86.07                | -4,721.56                           | 629.56       | 2,838.58               | 2,787.26                | 51.32                     | 55.309            |                    |           |
| 11,600.00                                            | 9,601.44              | 9,530.58              | 9,474.52              | 28.80            | 23.10         | -85.99                | -4,721.57                           | 629.40       | 2,746.33               | 2,694.92                | 51.40                     | 53.427            |                    |           |
| 11,700.00                                            | 9,600.30              | 9,529.17              | 9,473.12              | 28.93            | 23.10         | -85.92                | -4,721.59                           | 629.23       | 2,654.64               | 2,603.15                | 51.49                     | 51.558            |                    |           |
| 11,800.00                                            | 9,599.16              | 9,527.74              | 9,471.70              | 29.08            | 23.10         | -85.84                | -4,721.60                           | 629.07       | 2,563.57               | 2,511.99                | 51.58                     | 49.705            |                    |           |
| 11,900.00                                            | 9,598.01              | 9,526.28              | 9,470.25              | 29.24            | 23.09         | -85.77                | -4,721.62                           | 628.90       | 2,473.19               | 2,421.52                | 51.67                     | 47.869            |                    |           |
| 12,000.00                                            | 9,596.87              | 9,524.80              | 9,468.78              | 29.42            | 23.09         | -85.69                | -4,721.63                           | 628.72       | 2,383.58               | 2,331.82                | 51.76                     | 46.050            |                    |           |
| 12,100.00                                            | 9,595.73              | 9,523.30              | 9,467.29              | 29.62            | 23.08         | -85.61                | -4,721.65                           | 628.55       | 2,294.82               | 2,242.96                | 51.86                     | 44.250            |                    |           |
| 12,200.00                                            | 9,594.59              | 9,521.78              | 9,465.78              | 29.85            | 23.08         | -85.53                | -4,721.67                           | 628.37       | 2,207.02               | 2,155.06                | 51.97                     | 42.471            |                    |           |
| 12,300.00                                            | 9,593.45              | 9,520.23              | 9,464.25              | 30.10            | 23.08         | -85.45                | -4,721.68                           | 628.19       | 2,120.31               | 2,068.23                | 52.08                     | 40.715            |                    |           |
| 12,400.00                                            | 9,592.30              | 9,518.66              | 9,462.69              | 30.40            | 23.07         | -85.36                | -4,721.70                           | 628.01       | 2,034.81               | 1,982.62                | 52.20                     | 38.984            |                    |           |
| 12,500.00                                            | 9,591.16              | 9,517.07              | 9,461.10              | 30.73            | 23.07         | -85.28                | -4,721.72                           | 627.82       | 1,950.69               | 1,898.37                | 52.32                     | 37.282            |                    |           |
| 12,600.00                                            | 9,590.02              | 9,515.45              | 9,459.49              | 31.09            | 23.06         | -85.19                | -4,721.74                           | 627.64       | 1,868.13               | 1,815.67                | 52.46                     | 35.610            |                    |           |
| 12,700.00                                            | 9,588.88              | 9,513.80              | 9,457.85              | 31.49            | 23.06         | -85.10                | -4,721.76                           | 627.45       | 1,787.36               | 1,734.75                | 52.61                     | 33.973            |                    |           |
| 12,800.00                                            | 9,587.73              | 9,512.12              | 9,456.19              | 31.93            | 23.05         | -85.01                | -4,721.78                           | 627.26       | 1,708.61               | 1,655.84                | 52.77                     | 32.376            |                    |           |
| 12,900.00                                            | 9,586.59              | 9,510.42              | 9,454.50              | 32.38            | 23.05         | -84.92                | -4,721.80                           | 627.06       | 1,632.20               | 1,579.24                | 52.95                     | 30.823            |                    |           |
| 13,000.00                                            | 9,585.45              | 9,508.69              | 9,452.78              | 32.87            | 23.04         | -84.83                | -4,721.82                           | 626.86       | 1,558.45               | 1,505.30                | 53.15                     | 29.321            |                    |           |
| 13,100.00                                            | 9,584.31              | 9,506.93              | 9,451.03              | 33.37            | 23.04         | -84.74                | -4,721.84                           | 626.66       | 1,487.77               | 1,434.40                | 53.37                     | 27.877            |                    |           |
| 13,200.00                                            | 9,583.17              | 9,505.15              | 9,449.26              | 33.88            | 23.03         | -84.64                | -4,721.86                           | 626.46       | 1,420.61               | 1,367.01                | 53.61                     | 26.499            |                    |           |
| 13,300.00                                            | 9,582.02              | 9,503.33              | 9,447.45              | 34.42            | 23.03         | -84.55                | -4,721.89                           | 626.26       | 1,357.51               | 1,303.63                | 53.87                     | 25.198            |                    |           |
| 13,400.00                                            | 9,580.88              | 9,501.48              | 9,445.61              | 34.96            | 23.02         | -84.45                | -4,721.91                           | 626.05       | 1,299.03               | 1,244.87                | 54.16                     | 23.984            |                    |           |
| 13,500.00                                            | 9,579.74              | 9,499.60              | 9,443.74              | 35.52            | 23.02         | -84.35                | -4,721.94                           | 625.84       | 1,245.85               | 1,191.37                | 54.48                     | 22.869            |                    |           |
| 13,600.00                                            | 9,578.60              | 9,497.68              | 9,441.84              | 36.09            | 23.01         | -84.25                | -4,721.96                           | 625.62       | 1,198.66               | 1,143.85                | 54.82                     | 21.867            |                    |           |
| 13,700.00                                            | 9,577.46              | 9,495.73              | 9,439.91              | 36.67            | 23.01         | -84.14                | -4,721.99                           | 625.40       | 1,158.20               | 1,103.03                | 55.18                     | 20.990            |                    |           |
| 13,800.00                                            | 9,576.31              | 9,493.75              | 9,437.94              | 37.25            | 23.00         | -84.04                | -4,722.02                           | 625.18       | 1,125.20               | 1,069.64                | 55.56                     | 20.252            |                    |           |
| 13,900.00                                            | 9,575.17              | 9,491.73              | 9,435.93              | 37.84            | 22.99         | -83.93                | -4,722.05                           | 624.96       | 1,100.31               | 1,044.36                | 55.95                     | 19.665            |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit (Offsets) - 58H - OH - OH |                             |                             |                             |                     |                  |                             |                                           |                 |                                 |                      |         |               | Offset Site Error: | 0.00 usft |
|------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|-----------------------------|-------------------------------------------|-----------------|---------------------------------|----------------------|---------|---------------|--------------------|-----------|
| Survey Program: 1629-MWD-ISCWSA, 16290-Project       |                             |                             |                             |                     |                  |                             |                                           |                 |                                 |                      |         |               | Offset Well Error: | 0.00 usft |
| Reference                                            |                             | Offset                      |                             | Semi Major Axis     |                  | Highside<br>Toolface<br>(°) | Distance                                  |                 | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning |               |                    |           |
| Measured<br>Depth<br>(usft)                          | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | Offset Wellbore Centre<br>+N/-S<br>(usft) | +E/-W<br>(usft) |                                 |                      |         |               |                    |           |
| 14,000.00                                            | 9,574.03                    | 9,489.68                    | 9,433.89                    | 38.45               | 22.99            | -83.82                      | -4,722.08                                 | 624.73          | 1,084.11                        | 1,027.76             | 56.35   | 19.237        |                    |           |
| 14,100.00                                            | 9,572.89                    | 9,487.59                    | 9,431.81                    | 39.05               | 22.98            | -83.71                      | -4,722.11                                 | 624.50          | 1,076.98                        | 1,020.23             | 56.75   | 18.976        |                    |           |
| 14,127.04                                            | 9,572.58                    | 9,487.02                    | 9,431.25                    | 39.22               | 22.98            | -83.68                      | -4,722.12                                 | 624.44          | 1,076.65                        | 1,019.78             | 56.86   | 18.934 CC, ES |                    |           |
| 14,200.00                                            | 9,571.75                    | 9,485.46                    | 9,429.70                    | 39.67               | 22.98            | -83.60                      | -4,722.14                                 | 624.27          | 1,079.11                        | 1,021.97             | 57.14   | 18.884 SF     |                    |           |
| 14,300.00                                            | 9,570.60                    | 9,483.29                    | 9,427.54                    | 40.29               | 22.97            | -83.48                      | -4,722.17                                 | 624.03          | 1,090.44                        | 1,032.93             | 57.51   | 18.962        |                    |           |
| 14,400.00                                            | 9,569.46                    | 9,481.08                    | 9,425.35                    | 40.91               | 22.96            | -83.36                      | -4,722.21                                 | 623.79          | 1,110.69                        | 1,052.80             | 57.89   | 19.185        |                    |           |
| 14,500.00                                            | 9,568.32                    | 9,478.83                    | 9,423.11                    | 41.54               | 22.96            | -83.24                      | -4,722.24                                 | 623.54          | 1,139.38                        | 1,081.14             | 58.24   | 19.565        |                    |           |
| 14,600.00                                            | 9,567.18                    | 9,476.54                    | 9,420.83                    | 42.18               | 22.95            | -83.12                      | -4,722.28                                 | 623.30          | 1,175.89                        | 1,117.37             | 58.53   | 20.091        |                    |           |
| 14,700.00                                            | 9,566.03                    | 9,474.20                    | 9,418.51                    | 42.82               | 22.95            | -83.00                      | -4,722.31                                 | 623.04          | 1,219.53                        | 1,160.77             | 58.77   | 20.752        |                    |           |
| 14,800.00                                            | 9,564.89                    | 9,468.00                    | 9,412.34                    | 43.46               | 22.93            | -82.67                      | -4,722.42                                 | 622.38          | 1,269.56                        | 1,210.60             | 58.96   | 21.532        |                    |           |
| 14,900.00                                            | 9,563.75                    | 9,468.00                    | 9,412.34                    | 44.11               | 22.93            | -82.67                      | -4,722.42                                 | 622.38          | 1,325.25                        | 1,266.15             | 59.10   | 22.422        |                    |           |
| 15,000.00                                            | 9,562.61                    | 9,468.00                    | 9,412.34                    | 44.76               | 22.93            | -82.67                      | -4,722.42                                 | 622.38          | 1,385.92                        | 1,326.71             | 59.21   | 23.406        |                    |           |
| 15,100.00                                            | 9,561.47                    | 9,468.00                    | 9,412.34                    | 45.42               | 22.93            | -82.67                      | -4,722.42                                 | 622.38          | 1,450.95                        | 1,391.66             | 59.29   | 24.471        |                    |           |
| 15,200.00                                            | 9,560.32                    | 9,468.00                    | 9,412.34                    | 46.08               | 22.93            | -82.67                      | -4,722.42                                 | 622.38          | 1,519.79                        | 1,460.44             | 59.35   | 25.606        |                    |           |
| 15,300.00                                            | 9,559.18                    | 9,460.05                    | 9,404.44                    | 46.74               | 22.91            | -82.24                      | -4,722.55                                 | 621.53          | 1,591.91                        | 1,532.51             | 59.40   | 26.800        |                    |           |
| 15,400.00                                            | 9,558.04                    | 9,457.85                    | 9,402.25                    | 47.41               | 22.90            | -82.13                      | -4,722.58                                 | 621.30          | 1,666.92                        | 1,607.48             | 59.44   | 28.045        |                    |           |
| 15,500.00                                            | 9,556.90                    | 9,455.70                    | 9,400.11                    | 48.08               | 22.89            | -82.01                      | -4,722.61                                 | 621.07          | 1,744.43                        | 1,684.97             | 59.47   | 29.335        |                    |           |
| 15,600.00                                            | 9,555.76                    | 9,453.59                    | 9,398.02                    | 48.75               | 22.89            | -81.90                      | -4,722.65                                 | 620.85          | 1,824.13                        | 1,764.64             | 59.49   | 30.661        |                    |           |
| 15,700.00                                            | 9,554.61                    | 9,451.53                    | 9,395.97                    | 49.43               | 22.88            | -81.79                      | -4,722.68                                 | 620.63          | 1,905.75                        | 1,846.23             | 59.52   | 32.019        |                    |           |
| 15,800.00                                            | 9,553.47                    | 9,449.51                    | 9,393.96                    | 50.10               | 22.88            | -81.68                      | -4,722.71                                 | 620.42          | 1,989.04                        | 1,929.49             | 59.55   | 33.403        |                    |           |
| 15,900.00                                            | 9,552.33                    | 9,447.53                    | 9,391.99                    | 50.79               | 22.87            | -81.58                      | -4,722.73                                 | 620.21          | 2,073.80                        | 2,014.23             | 59.58   | 34.810        |                    |           |
| 16,000.00                                            | 9,551.19                    | 9,445.60                    | 9,390.07                    | 51.47               | 22.87            | -81.48                      | -4,722.76                                 | 620.00          | 2,159.87                        | 2,100.26             | 59.61   | 36.235        |                    |           |
| 16,100.00                                            | 9,550.05                    | 9,443.70                    | 9,388.18                    | 52.15               | 22.86            | -81.38                      | -4,722.79                                 | 619.80          | 2,247.09                        | 2,187.45             | 59.64   | 37.675        |                    |           |
| 16,200.00                                            | 9,548.90                    | 13,266.90                   | 11,254.11                   | 52.84               | 49.00            | -137.98                     | -6,816.24                                 | 1,126.96        | 2,326.38                        | 2,247.21             | 79.17   | 29.383        |                    |           |
| 16,209.10                                            | 9,548.80                    | 13,272.19                   | 11,254.08                   | 52.90               | 49.06            | -137.98                     | -6,821.53                                 | 1,126.96        | 2,326.37                        | 2,247.04             | 79.34   | 29.323        |                    |           |
| 16,300.00                                            | 9,547.76                    | 13,323.00                   | 11,254.14                   | 53.53               | 49.72            | -137.99                     | -6,872.34                                 | 1,127.22        | 2,327.12                        | 2,246.17             | 80.95   | 28.747        |                    |           |
| 16,400.00                                            | 9,546.62                    | 13,378.55                   | 11,255.32                   | 54.22               | 50.44            | -138.02                     | -6,927.88                                 | 1,127.76        | 2,329.75                        | 2,247.05             | 82.70   | 28.171        |                    |           |
| 16,500.00                                            | 9,545.48                    | 13,443.38                   | 11,258.37                   | 54.92               | 51.28            | -138.07                     | -6,992.63                                 | 1,128.53        | 2,334.31                        | 2,249.87             | 84.44   | 27.644        |                    |           |
| 16,600.00                                            | 9,544.33                    | 13,565.24                   | 11,265.13                   | 55.61               | 52.90            | -138.21                     | -7,114.29                                 | 1,129.49        | 2,339.41                        | 2,253.13             | 86.29   | 27.112        |                    |           |
| 16,700.00                                            | 9,543.19                    | 13,700.00                   | 11,269.34                   | 56.31               | 54.77            | -138.30                     | -7,248.98                                 | 1,130.50        | 2,342.53                        | 2,254.31             | 88.22   | 26.554        |                    |           |
| 16,800.00                                            | 9,542.05                    | 13,796.81                   | 11,270.73                   | 57.01               | 56.14            | -138.32                     | -7,345.76                                 | 1,132.39        | 2,345.27                        | 2,255.16             | 90.10   | 26.028        |                    |           |
| 16,900.00                                            | 9,540.91                    | 13,937.24                   | 11,269.99                   | 57.71               | 58.16            | -138.30                     | -7,486.16                                 | 1,135.06        | 2,346.20                        | 2,254.07             | 92.13   | 25.465        |                    |           |
| 16,979.53                                            | 9,540.00                    | 13,997.89                   | 11,269.63                   | 58.27               | 59.05            | -138.29                     | -7,546.79                                 | 1,136.64        | 2,347.50                        | 2,253.87             | 93.63   | 25.071        |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit Sec 22-27 Trac Pad - Thistle Unit 100H - OH - Plan #2 |                             |                             |                             |                     |                  |                             |                                           |                 |                              |                               |                                 |                      | Offset Site Error: | 0.00 usft |
|----------------------------------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|-----------------------------|-------------------------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|----------------------|--------------------|-----------|
| Survey Program: O-LEAM MWD+HDGM                                                  |                             |                             |                             |                     |                  |                             |                                           |                 |                              |                               |                                 |                      | Offset Well Error: | 0.00 usft |
| Reference                                                                        |                             | Offset                      |                             | Semi Major Axis     |                  | Highside<br>Toolface<br>(°) | Distance                                  |                 | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning            |           |
| Measured<br>Depth<br>(usft)                                                      | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | Offset Wellbore Centre<br>+N/-S<br>(usft) | +E/-W<br>(usft) |                              |                               |                                 |                      |                    |           |
| 0.00                                                                             | 0.00                        | 0.00                        | 0.00                        | 0.00                | 0.00             | 89.69                       | 0.49                                      | 89.98           | 89.98                        |                               |                                 |                      |                    |           |
| 100.00                                                                           | 100.00                      | 99.90                       | 99.90                       | 0.09                | 0.09             | 89.69                       | 0.49                                      | 89.98           | 89.98                        | 89.81                         | 0.17                            | 523.573              |                    |           |
| 200.00                                                                           | 200.00                      | 199.90                      | 199.90                      | 0.31                | 0.31             | 89.69                       | 0.49                                      | 89.98           | 89.98                        | 89.36                         | 0.62                            | 144.838              |                    |           |
| 300.00                                                                           | 300.00                      | 299.90                      | 299.90                      | 0.54                | 0.54             | 89.69                       | 0.49                                      | 89.98           | 89.98                        | 88.91                         | 1.07                            | 84.033               |                    |           |
| 400.00                                                                           | 400.00                      | 399.90                      | 399.90                      | 0.76                | 0.76             | 89.69                       | 0.49                                      | 89.98           | 89.98                        | 88.46                         | 1.52                            | 59.186               |                    |           |
| 500.00                                                                           | 500.00                      | 499.90                      | 499.90                      | 0.99                | 0.98             | 89.69                       | 0.49                                      | 89.98           | 89.98                        | 88.01                         | 1.97                            | 45.679               |                    |           |
| 600.00                                                                           | 600.00                      | 599.90                      | 599.90                      | 1.21                | 1.21             | 89.69                       | 0.49                                      | 89.98           | 89.98                        | 87.56                         | 2.42                            | 37.192               |                    |           |
| 700.00                                                                           | 700.00                      | 699.90                      | 699.90                      | 1.43                | 1.43             | 89.69                       | 0.49                                      | 89.98           | 89.98                        | 87.11                         | 2.87                            | 31.364               |                    |           |
| 800.00                                                                           | 800.00                      | 799.90                      | 799.90                      | 1.66                | 1.66             | 89.69                       | 0.49                                      | 89.98           | 89.98                        | 86.66                         | 3.32                            | 27.116               |                    |           |
| 900.00                                                                           | 900.00                      | 899.90                      | 899.90                      | 1.88                | 1.88             | 89.69                       | 0.49                                      | 89.98           | 89.98                        | 86.21                         | 3.77                            | 23.881               |                    |           |
| 1,000.00                                                                         | 1,000.00                    | 999.90                      | 999.90                      | 2.11                | 2.11             | 89.69                       | 0.49                                      | 89.98           | 89.98                        | 85.76                         | 4.22                            | 21.335               |                    |           |
| 1,100.00                                                                         | 1,100.00                    | 1,099.90                    | 1,099.90                    | 2.33                | 2.33             | 89.69                       | 0.49                                      | 89.98           | 89.98                        | 85.31                         | 4.67                            | 19.280               |                    |           |
| 1,200.00                                                                         | 1,200.00                    | 1,199.90                    | 1,199.90                    | 2.56                | 2.56             | 89.69                       | 0.49                                      | 89.98           | 89.98                        | 84.86                         | 5.12                            | 17.586               |                    |           |
| 1,300.00                                                                         | 1,300.00                    | 1,299.90                    | 1,299.90                    | 2.78                | 2.78             | 89.69                       | 0.49                                      | 89.98           | 89.98                        | 84.42                         | 5.57                            | 16.166               |                    |           |
| 1,400.00                                                                         | 1,400.00                    | 1,399.90                    | 1,399.90                    | 3.01                | 3.01             | 89.69                       | 0.49                                      | 89.98           | 89.98                        | 83.97                         | 6.02                            | 14.958               |                    |           |
| 1,500.00                                                                         | 1,500.00                    | 1,499.90                    | 1,499.90                    | 3.23                | 3.23             | 89.69                       | 0.49                                      | 89.98           | 89.98                        | 83.52                         | 6.47                            | 13.918               |                    |           |
| 1,600.00                                                                         | 1,600.00                    | 1,599.90                    | 1,599.90                    | 3.46                | 3.46             | 89.69                       | 0.49                                      | 89.98           | 89.98                        | 83.07                         | 6.91                            | 13.013               |                    |           |
| 1,700.00                                                                         | 1,700.00                    | 1,699.90                    | 1,699.90                    | 3.68                | 3.68             | 89.69                       | 0.49                                      | 89.98           | 89.98                        | 82.62                         | 7.36                            | 12.219               |                    |           |
| 1,800.00                                                                         | 1,800.00                    | 1,799.90                    | 1,799.90                    | 3.91                | 3.91             | 89.69                       | 0.49                                      | 89.98           | 89.98                        | 82.17                         | 7.81                            | 11.516               |                    |           |
| 1,900.00                                                                         | 1,900.00                    | 1,899.90                    | 1,899.90                    | 4.13                | 4.13             | 89.69                       | 0.49                                      | 89.98           | 89.98                        | 81.72                         | 8.26                            | 10.889               |                    |           |
| 2,000.00                                                                         | 2,000.00                    | 1,999.90                    | 1,999.90                    | 4.36                | 4.36             | 89.69                       | 0.49                                      | 89.98           | 89.98                        | 81.27                         | 8.71                            | 10.327               |                    |           |
| 2,100.00                                                                         | 2,100.00                    | 2,099.90                    | 2,099.90                    | 4.58                | 4.58             | 89.69                       | 0.49                                      | 89.98           | 89.98                        | 80.82                         | 9.16                            | 9.821                |                    |           |
| 2,200.00                                                                         | 2,200.00                    | 2,199.90                    | 2,199.90                    | 4.81                | 4.81             | 89.69                       | 0.49                                      | 89.98           | 89.98                        | 80.37                         | 9.61                            | 9.361                |                    |           |
| 2,300.00                                                                         | 2,300.00                    | 2,299.90                    | 2,299.90                    | 5.03                | 5.03             | 89.69                       | 0.49                                      | 89.98           | 89.98                        | 79.92                         | 10.06                           | 8.943                |                    |           |
| 2,400.00                                                                         | 2,400.00                    | 2,399.90                    | 2,399.90                    | 5.26                | 5.26             | 89.69                       | 0.49                                      | 89.98           | 89.98                        | 79.47                         | 10.51                           | 8.561                |                    |           |
| 2,500.00                                                                         | 2,500.00                    | 2,499.90                    | 2,499.90                    | 5.48                | 5.48             | 89.69                       | 0.49                                      | 89.98           | 89.98                        | 79.02                         | 10.96                           | 8.210                |                    |           |
| 2,600.00                                                                         | 2,600.00                    | 2,599.90                    | 2,599.90                    | 5.71                | 5.70             | 89.69                       | 0.49                                      | 89.98           | 89.98                        | 78.57                         | 11.41                           | 7.886                |                    |           |
| 2,700.00                                                                         | 2,700.00                    | 2,699.90                    | 2,699.90                    | 5.93                | 5.93             | 89.69                       | 0.49                                      | 89.98           | 89.98                        | 78.12                         | 11.86                           | 7.587                |                    |           |
| 2,800.00                                                                         | 2,800.00                    | 2,799.90                    | 2,799.90                    | 6.15                | 6.15             | 89.69                       | 0.49                                      | 89.98           | 89.98                        | 77.67                         | 12.31                           | 7.310                |                    |           |
| 2,900.00                                                                         | 2,900.00                    | 2,899.90                    | 2,899.90                    | 6.38                | 6.38             | 89.69                       | 0.49                                      | 89.98           | 89.98                        | 77.22                         | 12.76                           | 7.053                |                    |           |
| 3,000.00                                                                         | 3,000.00                    | 2,999.90                    | 2,999.90                    | 6.60                | 6.60             | 89.69                       | 0.49                                      | 89.98           | 89.98                        | 76.77                         | 13.21                           | 6.813 CC, ES         |                    |           |
| 3,100.00                                                                         | 3,099.99                    | 3,099.89                    | 3,099.89                    | 6.81                | 6.83             | 179.69                      | 0.49                                      | 89.98           | 90.85                        | 77.21                         | 13.64                           | 6.659                |                    |           |
| 3,200.00                                                                         | 3,199.96                    | 3,199.86                    | 3,199.86                    | 7.01                | 7.05             | 179.70                      | 0.49                                      | 89.98           | 93.47                        | 79.41                         | 14.06                           | 6.646 SF             |                    |           |
| 3,300.00                                                                         | 3,299.86                    | 3,299.76                    | 3,299.76                    | 7.21                | 7.28             | 179.71                      | 0.49                                      | 89.98           | 97.83                        | 83.34                         | 14.49                           | 6.753                |                    |           |
| 3,400.00                                                                         | 3,399.68                    | 3,399.58                    | 3,399.58                    | 7.42                | 7.50             | 179.73                      | 0.49                                      | 89.98           | 103.94                       | 89.02                         | 14.91                           | 6.969                |                    |           |
| 3,500.00                                                                         | 3,499.37                    | 3,499.27                    | 3,499.27                    | 7.63                | 7.73             | 179.75                      | 0.49                                      | 89.98           | 111.78                       | 96.44                         | 15.34                           | 7.287                |                    |           |
| 3,525.23                                                                         | 3,524.50                    | 3,524.40                    | 3,524.40                    | 7.68                | 7.78             | 179.75                      | 0.49                                      | 89.98           | 114.04                       | 98.59                         | 15.45                           | 7.382                |                    |           |
| 3,600.00                                                                         | 3,598.95                    | 3,598.85                    | 3,598.85                    | 7.84                | 7.95             | 179.77                      | 0.49                                      | 89.98           | 120.88                       | 105.12                        | 15.77                           | 7.667                |                    |           |
| 3,700.00                                                                         | 3,698.53                    | 3,698.43                    | 3,698.43                    | 8.06                | 8.17             | 179.78                      | 0.49                                      | 89.98           | 130.04                       | 113.84                        | 16.19                           | 8.030                |                    |           |
| 3,800.00                                                                         | 3,798.11                    | 3,798.01                    | 3,798.01                    | 8.28                | 8.40             | 179.80                      | 0.49                                      | 89.98           | 139.19                       | 122.57                        | 16.62                           | 8.373                |                    |           |
| 3,900.00                                                                         | 3,897.69                    | 3,897.59                    | 3,897.59                    | 8.50                | 8.62             | 179.81                      | 0.49                                      | 89.98           | 148.35                       | 131.29                        | 17.06                           | 8.698                |                    |           |
| 4,000.00                                                                         | 3,997.27                    | 3,997.17                    | 3,997.17                    | 8.73                | 8.85             | 179.82                      | 0.49                                      | 89.98           | 157.50                       | 140.01                        | 17.49                           | 9.006                |                    |           |
| 4,100.00                                                                         | 4,096.85                    | 4,096.97                    | 4,096.96                    | 8.96                | 9.07             | 179.55                      | 1.31                                      | 89.91           | 166.59                       | 148.67                        | 17.92                           | 9.295                |                    |           |
| 4,200.00                                                                         | 4,196.43                    | 4,196.74                    | 4,196.70                    | 9.19                | 9.29             | 178.74                      | 3.86                                      | 89.70           | 175.57                       | 157.21                        | 18.36                           | 9.565                |                    |           |
| 4,300.00                                                                         | 4,296.01                    | 4,296.42                    | 4,296.28                    | 9.42                | 9.52             | 177.46                      | 8.13                                      | 89.34           | 184.50                       | 165.71                        | 18.79                           | 9.819                |                    |           |
| 4,400.00                                                                         | 4,395.59                    | 4,395.91                    | 4,395.63                    | 9.65                | 9.74             | 175.97                      | 13.56                                     | 88.89           | 193.50                       | 174.28                        | 19.22                           | 10.065               |                    |           |
| 4,500.00                                                                         | 4,495.17                    | 4,495.38                    | 4,494.95                    | 9.89                | 9.97             | 174.59                      | 19.01                                     | 88.44           | 202.62                       | 182.96                        | 19.66                           | 10.305               |                    |           |
| 4,600.00                                                                         | 4,594.75                    | 4,594.85                    | 4,594.27                    | 10.13               | 10.19            | 173.34                      | 24.47                                     | 87.98           | 211.84                       | 191.74                        | 20.10                           | 10.539               |                    |           |
| 4,700.00                                                                         | 4,694.33                    | 4,694.33                    | 4,693.59                    | 10.37               | 10.41            | 172.19                      | 29.92                                     | 87.53           | 221.16                       | 200.62                        | 20.54                           | 10.767               |                    |           |
| 4,800.00                                                                         | 4,793.80                    | 4,793.80                    | 4,792.91                    | 10.61               | 10.64            | 171.13                      | 35.38                                     | 87.07           | 230.56                       | 209.57                        | 20.98                           | 10.988               |                    |           |
| 4,900.00                                                                         | 4,893.49                    | 4,893.27                    | 4,892.23                    | 10.85               | 10.86            | 170.16                      | 40.84                                     | 86.62           | 240.03                       | 218.60                        | 21.43                           | 11.202               |                    |           |
| 5,000.00                                                                         | 4,993.07                    | 4,992.74                    | 4,991.55                    | 11.09               | 11.09            | 169.26                      | 46.29                                     | 86.16           | 249.56                       | 227.69                        | 21.87                           | 11.410               |                    |           |

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit Sec 22-27 Trac Pad - Thistle Unit 100H - OH - Plan #2 |                             |                             |                             |                     |                  |                             |                                           |                 |                              |                               |                                 |                      | Offset Site Error: | 0.00 usft |
|----------------------------------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|-----------------------------|-------------------------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|----------------------|--------------------|-----------|
| Survey Program: O-LEAM MWD+HDGM                                                  |                             |                             |                             |                     |                  |                             |                                           |                 |                              |                               |                                 |                      | Offset Well Error: | 0.00 usft |
| Reference                                                                        |                             | Offset                      |                             | Semi Major Axis     |                  | Highside<br>Toolface<br>(°) | Distance                                  |                 | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning            |           |
| Measured<br>Depth<br>(usft)                                                      | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | Offset Wellbore Centre<br>+N/-S<br>(usft) | +E/-W<br>(usft) |                              |                               |                                 |                      |                    |           |
| 5,100.00                                                                         | 5,092.65                    | 5,092.21                    | 5,090.87                    | 11.34               | 11.31            | 168.43                      | 51.75                                     | 85.71           | 259.15                       | 236.83                        | 22.32                           | 11.612               |                    |           |
| 5,200.00                                                                         | 5,192.23                    | 5,191.68                    | 5,190.19                    | 11.58               | 11.54            | 167.65                      | 57.20                                     | 85.25           | 268.79                       | 246.02                        | 22.76                           | 11.807               |                    |           |
| 5,300.00                                                                         | 5,291.81                    | 5,291.15                    | 5,289.51                    | 11.83               | 11.76            | 166.93                      | 62.66                                     | 84.80           | 278.47                       | 255.26                        | 23.21                           | 11.996               |                    |           |
| 5,400.00                                                                         | 5,391.39                    | 5,390.62                    | 5,388.83                    | 12.08               | 11.99            | 166.26                      | 68.12                                     | 84.34           | 288.20                       | 264.53                        | 23.66                           | 12.179               |                    |           |
| 5,500.00                                                                         | 5,490.97                    | 5,490.09                    | 5,488.15                    | 12.33               | 12.22            | 165.63                      | 73.57                                     | 83.89           | 297.96                       | 273.85                        | 24.11                           | 12.356               |                    |           |
| 5,600.00                                                                         | 5,590.55                    | 5,589.56                    | 5,587.47                    | 12.58               | 12.45            | 165.05                      | 79.03                                     | 83.44           | 307.76                       | 283.19                        | 24.57                           | 12.527               |                    |           |
| 5,700.00                                                                         | 5,690.13                    | 5,689.04                    | 5,686.79                    | 12.83               | 12.68            | 164.49                      | 84.49                                     | 82.98           | 317.58                       | 292.56                        | 25.02                           | 12.693               |                    |           |
| 5,800.00                                                                         | 5,789.71                    | 5,788.51                    | 5,786.11                    | 13.08               | 12.90            | 163.98                      | 89.94                                     | 82.53           | 327.43                       | 301.96                        | 25.47                           | 12.854               |                    |           |
| 5,900.00                                                                         | 5,889.29                    | 5,887.98                    | 5,885.43                    | 13.33               | 13.13            | 163.49                      | 95.40                                     | 82.07           | 337.31                       | 311.38                        | 25.93                           | 13.009               |                    |           |
| 6,000.00                                                                         | 5,988.87                    | 5,987.45                    | 5,984.75                    | 13.58               | 13.36            | 163.03                      | 100.85                                    | 81.62           | 347.21                       | 320.83                        | 26.38                           | 13.160               |                    |           |
| 6,100.00                                                                         | 6,088.45                    | 6,086.92                    | 6,084.07                    | 13.84               | 13.59            | 162.59                      | 106.31                                    | 81.16           | 357.13                       | 330.29                        | 26.84                           | 13.306               |                    |           |
| 6,200.00                                                                         | 6,188.03                    | 6,186.39                    | 6,183.39                    | 14.09               | 13.82            | 162.18                      | 111.77                                    | 80.71           | 367.08                       | 339.78                        | 27.30                           | 13.447               |                    |           |
| 6,300.00                                                                         | 6,287.61                    | 6,287.37                    | 6,284.26                    | 14.34               | 14.00            | 161.92                      | 116.44                                    | 80.32           | 376.84                       | 349.13                        | 27.71                           | 13.600               |                    |           |
| 6,400.00                                                                         | 6,387.19                    | 6,388.47                    | 6,385.32                    | 14.60               | 14.18            | 161.92                      | 119.35                                    | 80.08           | 386.20                       | 358.09                        | 28.11                           | 13.738               |                    |           |
| 6,500.00                                                                         | 6,486.77                    | 6,489.62                    | 6,486.46                    | 14.85               | 14.35            | 162.18                      | 120.47                                    | 79.98           | 395.17                       | 366.65                        | 28.51                           | 13.859               |                    |           |
| 6,600.00                                                                         | 6,586.35                    | 6,589.41                    | 6,586.25                    | 15.11               | 14.55            | 162.57                      | 120.49                                    | 79.98           | 403.90                       | 374.97                        | 28.93                           | 13.961               |                    |           |
| 6,700.00                                                                         | 6,685.93                    | 6,688.99                    | 6,685.83                    | 15.37               | 14.76            | 162.96                      | 120.49                                    | 79.98           | 412.64                       | 383.27                        | 29.37                           | 14.048               |                    |           |
| 6,800.00                                                                         | 6,785.51                    | 6,788.57                    | 6,785.41                    | 15.62               | 14.99            | 163.32                      | 120.49                                    | 79.98           | 421.41                       | 391.59                        | 29.82                           | 14.131               |                    |           |
| 6,900.00                                                                         | 6,885.09                    | 6,888.15                    | 6,884.99                    | 15.88               | 15.21            | 163.67                      | 120.49                                    | 79.98           | 430.19                       | 399.92                        | 30.27                           | 14.213               |                    |           |
| 7,000.00                                                                         | 6,984.68                    | 6,987.73                    | 6,984.58                    | 16.14               | 15.43            | 164.01                      | 120.49                                    | 79.98           | 438.98                       | 408.27                        | 30.71                           | 14.292               |                    |           |
| 7,100.00                                                                         | 7,084.26                    | 7,087.31                    | 7,084.16                    | 16.40               | 15.65            | 164.33                      | 120.49                                    | 79.98           | 447.79                       | 416.63                        | 31.16                           | 14.370               |                    |           |
| 7,200.00                                                                         | 7,183.84                    | 7,186.89                    | 7,183.74                    | 16.66               | 15.87            | 164.64                      | 120.49                                    | 79.98           | 456.62                       | 425.01                        | 31.61                           | 14.446               |                    |           |
| 7,300.00                                                                         | 7,283.42                    | 7,286.47                    | 7,283.32                    | 16.91               | 16.10            | 164.94                      | 120.49                                    | 79.98           | 465.45                       | 433.40                        | 32.06                           | 14.519               |                    |           |
| 7,400.00                                                                         | 7,383.00                    | 7,386.05                    | 7,382.90                    | 17.17               | 16.32            | 165.22                      | 120.49                                    | 79.98           | 474.30                       | 441.80                        | 32.51                           | 14.591               |                    |           |
| 7,500.00                                                                         | 7,482.58                    | 7,485.63                    | 7,482.48                    | 17.43               | 16.54            | 165.50                      | 120.49                                    | 79.98           | 483.16                       | 450.21                        | 32.95                           | 14.662               |                    |           |
| 7,600.00                                                                         | 7,582.16                    | 7,585.21                    | 7,582.06                    | 17.69               | 16.76            | 165.77                      | 120.49                                    | 79.98           | 492.03                       | 458.63                        | 33.40                           | 14.730               |                    |           |
| 7,700.00                                                                         | 7,681.74                    | 7,684.79                    | 7,681.64                    | 17.95               | 16.98            | 166.03                      | 120.49                                    | 79.98           | 500.91                       | 467.06                        | 33.85                           | 14.797               |                    |           |
| 7,800.00                                                                         | 7,781.32                    | 7,784.37                    | 7,781.22                    | 18.21               | 17.21            | 166.27                      | 120.49                                    | 79.98           | 509.80                       | 475.50                        | 34.30                           | 14.863               |                    |           |
| 7,900.00                                                                         | 7,880.90                    | 7,883.95                    | 7,880.80                    | 18.47               | 17.43            | 166.51                      | 120.49                                    | 79.98           | 518.70                       | 483.95                        | 34.75                           | 14.927               |                    |           |
| 8,000.00                                                                         | 7,980.48                    | 7,983.53                    | 7,980.38                    | 18.73               | 17.65            | 166.75                      | 120.49                                    | 79.98           | 527.61                       | 492.41                        | 35.20                           | 14.989               |                    |           |
| 8,100.00                                                                         | 8,080.06                    | 8,083.11                    | 8,079.96                    | 19.00               | 17.87            | 166.97                      | 120.49                                    | 79.98           | 536.53                       | 500.88                        | 35.65                           | 15.050               |                    |           |
| 8,200.00                                                                         | 8,179.64                    | 8,182.69                    | 8,179.54                    | 19.26               | 18.10            | 167.19                      | 120.49                                    | 79.98           | 545.45                       | 509.35                        | 36.10                           | 15.110               |                    |           |
| 8,243.13                                                                         | 8,222.58                    | 8,225.64                    | 8,222.48                    | 19.37               | 18.19            | 167.28                      | 120.49                                    | 79.98           | 549.30                       | 513.01                        | 36.29                           | 15.135               |                    |           |
| 8,300.00                                                                         | 8,279.24                    | 8,282.30                    | 8,279.14                    | 19.50               | 18.32            | 167.40                      | 120.49                                    | 79.98           | 554.11                       | 517.57                        | 36.54                           | 15.165               |                    |           |
| 8,400.00                                                                         | 8,378.97                    | 8,382.03                    | 8,378.87                    | 19.70               | 18.54            | 167.58                      | 120.49                                    | 79.98           | 561.23                       | 524.28                        | 36.95                           | 15.189               |                    |           |
| 8,500.00                                                                         | 8,478.82                    | 8,481.88                    | 8,478.72                    | 19.89               | 18.76            | 167.71                      | 120.49                                    | 79.98           | 566.65                       | 529.29                        | 37.36                           | 15.167               |                    |           |
| 8,600.00                                                                         | 8,578.74                    | 8,581.80                    | 8,578.64                    | 20.08               | 18.99            | 167.80                      | 120.49                                    | 79.98           | 570.38                       | 532.61                        | 37.77                           | 15.101               |                    |           |
| 8,700.00                                                                         | 8,678.72                    | 8,681.78                    | 8,678.62                    | 20.26               | 19.21            | 167.85                      | 120.49                                    | 79.98           | 572.40                       | 534.22                        | 38.18                           | 14.992               |                    |           |
| 8,768.36                                                                         | 8,747.08                    | 8,750.14                    | 8,746.98                    | 20.38               | 19.36            | 167.86                      | 120.49                                    | 79.98           | 572.80                       | 534.34                        | 38.46                           | 14.893               |                    |           |
| 8,800.00                                                                         | 8,778.72                    | 8,781.78                    | 8,778.62                    | 20.44               | 19.44            | 167.86                      | 120.49                                    | 79.98           | 572.80                       | 534.20                        | 38.59                           | 14.841               |                    |           |
| 8,900.00                                                                         | 8,878.72                    | 8,881.78                    | 8,878.62                    | 20.64               | 19.66            | 167.86                      | 120.49                                    | 79.98           | 572.80                       | 533.77                        | 39.03                           | 14.677               |                    |           |
| 9,000.00                                                                         | 8,978.72                    | 8,981.78                    | 8,978.62                    | 20.84               | 19.88            | 167.86                      | 120.49                                    | 79.98           | 572.80                       | 533.33                        | 39.46                           | 14.515               |                    |           |
| 9,068.36                                                                         | 9,047.08                    | 9,050.14                    | 9,046.98                    | 20.97               | 20.04            | 167.86                      | 120.49                                    | 79.98           | 572.80                       | 533.04                        | 39.76                           | 14.407               |                    |           |
| 9,100.00                                                                         | 9,078.70                    | 9,081.76                    | 9,078.60                    | 21.03               | 20.11            | -101.79                     | 120.49                                    | 79.98           | 572.97                       | 533.08                        | 39.89                           | 14.363               |                    |           |
| 9,150.00                                                                         | 9,128.44                    | 9,131.50                    | 9,128.34                    | 21.12               | 20.22            | -102.17                     | 120.49                                    | 79.98           | 574.00                       | 533.91                        | 40.09                           | 14.316               |                    |           |
| 9,200.00                                                                         | 9,177.57                    | 9,180.62                    | 9,177.47                    | 21.21               | 20.33            | -102.86                     | 120.49                                    | 79.98           | 576.04                       | 535.75                        | 40.29                           | 14.296               |                    |           |
| 9,250.00                                                                         | 9,225.69                    | 9,228.75                    | 9,225.59                    | 21.30               | 20.43            | -103.80                     | 120.49                                    | 79.98           | 579.27                       | 538.78                        | 40.49                           | 14.306               |                    |           |
| 9,300.00                                                                         | 9,272.46                    | 9,275.52                    | 9,272.36                    | 21.40               | 20.54            | -104.93                     | 120.49                                    | 79.98           | 583.94                       | 543.26                        | 40.68                           | 14.354               |                    |           |
| 9,350.00                                                                         | 9,317.51                    | 9,320.57                    | 9,317.41                    | 21.49               | 20.64            | -106.15                     | 120.49                                    | 79.98           | 590.33                       | 549.46                        | 40.87                           | 14.445               |                    |           |
| 9,400.00                                                                         | 9,360.51                    | 9,363.57                    | 9,360.41                    | 21.59               | 20.74            | -107.38                     | 120.49                                    | 79.98           | 598.78                       | 557.73                        | 41.05                           | 14.587               |                    |           |
| 9,450.00                                                                         | 9,401.12                    | 9,404.18                    | 9,401.02                    | 21.69               | 20.83            | -108.52                     | 120.49                                    | 79.98           | 609.60                       | 568.38                        | 41.22                           | 14.788               |                    |           |
| 9,500.00                                                                         | 9,439.03                    | 9,442.09                    | 9,438.93                    | 21.80               | 20.91            | -109.45                     | 120.49                                    | 79.98           | 623.08                       | 581.69                        | 41.39                           | 15.054               |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit Sec 22-27 Trac Pad - Thistle Unit 100H - OH - Plan #2 |                             |                             |                             |                     |                  |                             |                                           |                 |                                 |                      |         |        | Offset Site Error: | 0.00 usft |
|----------------------------------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|-----------------------------|-------------------------------------------|-----------------|---------------------------------|----------------------|---------|--------|--------------------|-----------|
| Survey Program: 0-LEAM MWD+HDGM                                                  |                             |                             |                             |                     |                  |                             |                                           |                 |                                 |                      |         |        | Offset Well Error: | 0.00 usft |
| Reference                                                                        |                             | Offset                      |                             | Semi Major Axis     |                  | Highside<br>Toolface<br>(°) | Distance                                  |                 | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning |        |                    |           |
| Measured<br>Depth<br>(usft)                                                      | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | Offset Wellbore Centre<br>+N/-S<br>(usft) | +E/-W<br>(usft) |                                 |                      |         |        |                    |           |
| 9,550.00                                                                         | 9,473.97                    | 9,477.02                    | 9,473.87                    | 21.91               | 20.99            | -110.07                     | 120.49                                    | 79.98           | 639.47                          | 597.92               | 41.55   | 15.391 |                    |           |
| 9,600.00                                                                         | 9,505.65                    | 9,508.71                    | 9,505.55                    | 22.04               | 21.06            | -110.29                     | 120.49                                    | 79.98           | 658.92                          | 617.22               | 41.69   | 15.803 |                    |           |
| 9,650.00                                                                         | 9,533.84                    | 9,536.90                    | 9,533.74                    | 22.18               | 21.12            | -110.01                     | 120.49                                    | 79.98           | 681.49                          | 639.66               | 41.83   | 16.292 |                    |           |
| 9,700.00                                                                         | 9,558.33                    | 9,561.39                    | 9,558.23                    | 22.35               | 21.18            | -109.12                     | 120.49                                    | 79.98           | 707.15                          | 665.20               | 41.95   | 16.857 |                    |           |
| 9,750.00                                                                         | 9,578.93                    | 9,581.99                    | 9,578.83                    | 22.54               | 21.22            | -107.53                     | 120.49                                    | 79.98           | 735.78                          | 693.72               | 42.05   | 17.496 |                    |           |
| 9,800.00                                                                         | 9,595.48                    | 9,598.54                    | 9,595.38                    | 22.75               | 21.26            | -105.13                     | 120.49                                    | 79.98           | 767.15                          | 725.01               | 42.14   | 18.205 |                    |           |
| 9,850.00                                                                         | 9,607.86                    | 9,610.91                    | 9,607.76                    | 22.99               | 21.29            | -101.81                     | 120.49                                    | 79.98           | 800.98                          | 758.77               | 42.20   | 18.978 |                    |           |
| 9,900.00                                                                         | 9,615.96                    | 9,619.02                    | 9,615.86                    | 23.25               | 21.31            | -97.51                      | 120.49                                    | 79.98           | 836.90                          | 794.65               | 42.25   | 19.808 |                    |           |
| 9,950.00                                                                         | 9,619.74                    | 9,622.80                    | 9,619.64                    | 23.55               | 21.32            | -92.20                      | 120.49                                    | 79.98           | 874.53                          | 832.26               | 42.28   | 20.685 |                    |           |
| 9,974.90                                                                         | 9,620.00                    | 9,623.06                    | 9,619.90                    | 23.70               | 21.32            | -89.19                      | 120.49                                    | 79.98           | 893.78                          | 851.50               | 42.28   | 21.137 |                    |           |
| 10,000.00                                                                        | 9,619.71                    | 9,622.77                    | 9,619.61                    | 27.27               | 21.32            | -89.16                      | 120.49                                    | 79.98           | 913.46                          | 868.10               | 45.36   | 20.139 |                    |           |
| 10,100.00                                                                        | 9,618.57                    | 9,621.63                    | 9,618.47                    | 27.34               | 21.31            | -89.04                      | 120.49                                    | 79.98           | 994.28                          | 948.56               | 45.72   | 21.748 |                    |           |
| 10,200.00                                                                        | 9,617.43                    | 9,620.49                    | 9,617.33                    | 27.41               | 21.31            | -88.93                      | 120.49                                    | 79.98           | 1,078.33                        | 1,032.27             | 46.05   | 23.416 |                    |           |
| 10,300.00                                                                        | 9,616.29                    | 9,619.34                    | 9,616.19                    | 27.49               | 21.31            | -88.81                      | 120.49                                    | 79.98           | 1,164.89                        | 1,118.54             | 46.35   | 25.131 |                    |           |
| 10,400.00                                                                        | 9,615.15                    | 11,537.60                   | 10,644.97                   | 27.57               | 28.47            | -151.42                     | -1,009.79                                 | 88.35           | 1,172.83                        | 1,137.64             | 35.20   | 33.323 |                    |           |
| 10,500.00                                                                        | 9,614.00                    | 11,637.60                   | 10,644.05                   | 27.66               | 29.45            | -151.43                     | -1,109.78                                 | 89.09           | 1,173.04                        | 1,137.11             | 35.93   | 32.649 |                    |           |
| 10,600.00                                                                        | 9,612.86                    | 11,737.60                   | 10,643.14                   | 27.74               | 30.48            | -151.43                     | -1,209.78                                 | 89.83           | 1,173.25                        | 1,136.52             | 36.73   | 31.942 |                    |           |
| 10,700.00                                                                        | 9,611.72                    | 11,837.60                   | 10,642.23                   | 27.83               | 31.57            | -151.44                     | -1,309.77                                 | 90.57           | 1,173.46                        | 1,135.86             | 37.60   | 31.209 |                    |           |
| 10,800.00                                                                        | 9,610.58                    | 11,937.60                   | 10,641.32                   | 27.92               | 32.70            | -151.44                     | -1,409.76                                 | 91.31           | 1,173.67                        | 1,135.13             | 38.53   | 30.461 |                    |           |
| 10,900.00                                                                        | 9,609.44                    | 12,037.60                   | 10,640.40                   | 28.02               | 33.87            | -151.45                     | -1,509.75                                 | 92.05           | 1,173.87                        | 1,134.35             | 39.52   | 29.704 |                    |           |
| 11,000.00                                                                        | 9,608.29                    | 12,137.60                   | 10,639.49                   | 28.12               | 35.08            | -151.45                     | -1,609.75                                 | 92.79           | 1,174.08                        | 1,133.52             | 40.56   | 28.947 |                    |           |
| 11,100.00                                                                        | 9,607.15                    | 12,237.60                   | 10,638.58                   | 28.22               | 36.32            | -151.46                     | -1,709.74                                 | 93.53           | 1,174.29                        | 1,132.64             | 41.65   | 28.193 |                    |           |
| 11,200.00                                                                        | 9,606.01                    | 12,337.60                   | 10,637.66                   | 28.32               | 37.60            | -151.46                     | -1,809.73                                 | 94.27           | 1,174.50                        | 1,131.71             | 42.79   | 27.448 |                    |           |
| 11,300.00                                                                        | 9,604.87                    | 12,437.60                   | 10,636.75                   | 28.43               | 38.90            | -151.47                     | -1,909.73                                 | 95.01           | 1,174.71                        | 1,130.74             | 43.97   | 26.716 |                    |           |
| 11,400.00                                                                        | 9,603.72                    | 12,537.60                   | 10,635.84                   | 28.55               | 40.23            | -151.47                     | -2,009.72                                 | 95.75           | 1,174.91                        | 1,129.72             | 45.19   | 25.999 |                    |           |
| 11,500.00                                                                        | 9,602.58                    | 12,637.60                   | 10,634.93                   | 28.67               | 41.57            | -151.48                     | -2,109.71                                 | 96.49           | 1,175.12                        | 1,128.68             | 46.45   | 25.300 |                    |           |
| 11,600.00                                                                        | 9,601.44                    | 12,737.60                   | 10,634.01                   | 28.80               | 42.94            | -151.48                     | -2,209.70                                 | 97.23           | 1,175.33                        | 1,127.59             | 47.74   | 24.621 |                    |           |
| 11,700.00                                                                        | 9,600.30                    | 12,837.60                   | 10,633.10                   | 28.93               | 44.33            | -151.49                     | -2,309.70                                 | 97.97           | 1,175.54                        | 1,126.48             | 49.06   | 23.962 |                    |           |
| 11,800.00                                                                        | 9,599.16                    | 12,937.60                   | 10,632.19                   | 29.08               | 45.73            | -151.49                     | -2,409.69                                 | 98.71           | 1,175.75                        | 1,125.34             | 50.41   | 23.325 |                    |           |
| 11,900.00                                                                        | 9,598.01                    | 13,037.60                   | 10,631.28                   | 29.24               | 47.15            | -151.50                     | -2,509.68                                 | 99.45           | 1,175.95                        | 1,124.17             | 51.78   | 22.708 |                    |           |
| 12,000.00                                                                        | 9,596.87                    | 13,137.60                   | 10,630.36                   | 29.42               | 48.59            | -151.50                     | -2,609.68                                 | 100.19          | 1,176.16                        | 1,122.98             | 53.19   | 22.114 |                    |           |
| 12,100.00                                                                        | 9,595.73                    | 13,237.60                   | 10,629.45                   | 29.62               | 50.03            | -151.50                     | -2,709.67                                 | 100.93          | 1,176.37                        | 1,121.76             | 54.61   | 21.541 |                    |           |
| 12,200.00                                                                        | 9,594.59                    | 13,337.60                   | 10,628.54                   | 29.85               | 51.49            | -151.51                     | -2,809.66                                 | 101.67          | 1,176.58                        | 1,120.53             | 56.05   | 20.990 |                    |           |
| 12,300.00                                                                        | 9,593.45                    | 13,437.60                   | 10,627.63                   | 30.10               | 52.96            | -151.51                     | -2,909.65                                 | 102.41          | 1,176.79                        | 1,119.27             | 57.52   | 20.459 |                    |           |
| 12,400.00                                                                        | 9,592.30                    | 13,537.60                   | 10,626.71                   | 30.40               | 54.43            | -151.52                     | -3,009.65                                 | 103.15          | 1,177.00                        | 1,118.00             | 59.00   | 19.949 |                    |           |
| 12,500.00                                                                        | 9,591.16                    | 13,637.60                   | 10,625.80                   | 30.73               | 55.92            | -151.52                     | -3,109.64                                 | 103.89          | 1,177.20                        | 1,116.71             | 60.50   | 19.458 |                    |           |
| 12,600.00                                                                        | 9,590.02                    | 13,737.60                   | 10,624.89                   | 31.09               | 57.42            | -151.53                     | -3,209.63                                 | 104.63          | 1,177.41                        | 1,115.40             | 62.01   | 18.987 |                    |           |
| 12,700.00                                                                        | 9,588.88                    | 13,837.60                   | 10,623.98                   | 31.49               | 58.92            | -151.53                     | -3,309.63                                 | 105.37          | 1,177.62                        | 1,114.08             | 63.54   | 18.533 |                    |           |
| 12,800.00                                                                        | 9,587.73                    | 13,937.60                   | 10,623.06                   | 31.93               | 60.43            | -151.54                     | -3,409.62                                 | 106.11          | 1,177.83                        | 1,112.75             | 65.08   | 18.098 |                    |           |
| 12,900.00                                                                        | 9,586.59                    | 14,037.60                   | 10,622.15                   | 32.38               | 61.94            | -151.54                     | -3,509.61                                 | 106.85          | 1,178.04                        | 1,111.40             | 66.64   | 17.679 |                    |           |
| 13,000.00                                                                        | 9,585.45                    | 14,137.60                   | 10,621.24                   | 32.87               | 63.47            | -151.55                     | -3,609.60                                 | 107.59          | 1,178.25                        | 1,110.04             | 68.20   | 17.276 |                    |           |
| 13,100.00                                                                        | 9,584.31                    | 14,237.60                   | 10,620.33                   | 33.37               | 64.99            | -151.55                     | -3,709.60                                 | 108.33          | 1,178.45                        | 1,108.68             | 69.78   | 16.889 |                    |           |
| 13,200.00                                                                        | 9,583.17                    | 14,337.60                   | 10,619.41                   | 33.88               | 66.53            | -151.56                     | -3,809.59                                 | 109.07          | 1,178.66                        | 1,107.30             | 71.36   | 16.516 |                    |           |
| 13,300.00                                                                        | 9,582.02                    | 14,437.60                   | 10,618.50                   | 34.42               | 68.07            | -151.56                     | -3,909.58                                 | 109.81          | 1,178.87                        | 1,105.91             | 72.96   | 16.158 |                    |           |
| 13,400.00                                                                        | 9,580.88                    | 14,537.60                   | 10,617.59                   | 34.96               | 69.61            | -151.57                     | -4,009.58                                 | 110.55          | 1,179.08                        | 1,104.52             | 74.56   | 15.813 |                    |           |
| 13,500.00                                                                        | 9,579.74                    | 14,637.60                   | 10,616.68                   | 35.52               | 71.15            | -151.57                     | -4,109.57                                 | 111.29          | 1,179.29                        | 1,103.11             | 76.18   | 15.481 |                    |           |
| 13,600.00                                                                        | 9,578.60                    | 14,737.60                   | 10,615.76                   | 36.09               | 72.71            | -151.58                     | -4,209.56                                 | 112.03          | 1,179.50                        | 1,101.70             | 77.80   | 15.161 |                    |           |
| 13,700.00                                                                        | 9,577.46                    | 14,837.59                   | 10,614.85                   | 36.67               | 74.26            | -151.58                     | -4,309.55                                 | 112.77          | 1,179.70                        | 1,100.28             | 79.42   | 14.853 |                    |           |
| 13,800.00                                                                        | 9,576.31                    | 14,937.59                   | 10,613.94                   | 37.25               | 75.82            | -151.59                     | -4,409.55                                 | 113.51          | 1,179.91                        | 1,098.86             | 81.06   | 14.557 |                    |           |
| 13,900.00                                                                        | 9,575.17                    | 15,037.59                   | 10,613.03                   | 37.84               | 77.38            | -151.59                     | -4,509.54                                 | 114.25          | 1,180.12                        | 1,097.42             | 82.70   | 14.270 |                    |           |
| 14,000.00                                                                        | 9,574.03                    | 15,137.59                   | 10,612.11                   | 38.45               | 78.95            | -151.59                     | -4,609.53                                 | 114.99          | 1,180.33                        | 1,095.99             | 84.34   | 13.994 |                    |           |
| 14,100.00                                                                        | 9,572.89                    | 15,237.59                   | 10,611.20                   | 39.05               | 80.51            | -151.60                     | -4,709.52                                 | 115.73          | 1,180.54                        | 1,094.54             | 85.99   | 13.728 |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit Sec 22-27 Trac Pad - Thistle Unit 100H - OH - Plan #2 |                             |                             |                             |                     |                  |                             |                                           |                 |                              |                               |                                 | Offset Site Error:   | 0.00 usft |
|----------------------------------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|-----------------------------|-------------------------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|----------------------|-----------|
| Survey Program: O-LEAM MWD+HDGM                                                  |                             |                             |                             |                     |                  |                             |                                           |                 |                              |                               |                                 | Offset Well Error:   | 0.00 usft |
| Reference                                                                        |                             | Offset                      |                             | Semi Major Axis     |                  | Highside<br>Toolface<br>(°) | Distance                                  |                 | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning   |
| Measured<br>Depth<br>(usft)                                                      | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | Offset Wellbore Centre<br>+N/-S<br>(usft) | +E/-W<br>(usft) |                              |                               |                                 |                      |           |
| 14,200.00                                                                        | 9,571.75                    | 15,337.59                   | 10,610.29                   | 39.67               | 82.08            | -151.60                     | -4,809.52                                 | 116.47          | 1,180.75                     | 1,093.09                      | 87.65                           | 13.471               |           |
| 14,300.00                                                                        | 9,570.60                    | 15,437.59                   | 10,609.38                   | 40.29               | 83.66            | -151.61                     | -4,909.51                                 | 117.21          | 1,180.95                     | 1,091.64                      | 89.31                           | 13.223               |           |
| 14,400.00                                                                        | 9,569.46                    | 15,537.59                   | 10,608.46                   | 40.91               | 85.23            | -151.61                     | -5,009.50                                 | 117.95          | 1,181.16                     | 1,090.18                      | 90.98                           | 12.983               |           |
| 14,500.00                                                                        | 9,568.32                    | 15,637.59                   | 10,607.55                   | 41.54               | 86.81            | -151.62                     | -5,109.50                                 | 118.69          | 1,181.37                     | 1,088.72                      | 92.65                           | 12.751               |           |
| 14,600.00                                                                        | 9,567.18                    | 15,737.59                   | 10,606.64                   | 42.18               | 88.39            | -151.62                     | -5,209.49                                 | 119.43          | 1,181.58                     | 1,087.25                      | 94.33                           | 12.527               |           |
| 14,700.00                                                                        | 9,566.03                    | 15,837.59                   | 10,605.73                   | 42.82               | 89.97            | -151.63                     | -5,309.48                                 | 120.17          | 1,181.79                     | 1,085.78                      | 96.01                           | 12.310               |           |
| 14,800.00                                                                        | 9,564.89                    | 15,937.59                   | 10,604.81                   | 43.46               | 91.56            | -151.63                     | -5,409.47                                 | 120.91          | 1,182.00                     | 1,084.31                      | 97.69                           | 12.100               |           |
| 14,900.00                                                                        | 9,563.75                    | 16,037.59                   | 10,603.90                   | 44.11               | 93.14            | -151.64                     | -5,509.47                                 | 121.65          | 1,182.20                     | 1,082.83                      | 99.37                           | 11.896               |           |
| 15,000.00                                                                        | 9,562.61                    | 16,137.59                   | 10,602.99                   | 44.76               | 94.73            | -151.64                     | -5,609.46                                 | 122.39          | 1,182.41                     | 1,081.35                      | 101.06                          | 11.700               |           |
| 15,100.00                                                                        | 9,561.47                    | 16,237.59                   | 10,602.07                   | 45.42               | 96.32            | -151.65                     | -5,709.45                                 | 123.13          | 1,182.62                     | 1,079.87                      | 102.76                          | 11.509               |           |
| 15,200.00                                                                        | 9,560.32                    | 16,337.59                   | 10,601.16                   | 46.08               | 97.91            | -151.65                     | -5,809.45                                 | 123.87          | 1,182.83                     | 1,078.38                      | 104.45                          | 11.324               |           |
| 15,300.00                                                                        | 9,559.18                    | 16,437.59                   | 10,600.25                   | 46.74               | 99.51            | -151.66                     | -5,909.44                                 | 124.61          | 1,183.04                     | 1,076.89                      | 106.15                          | 11.145               |           |
| 15,400.00                                                                        | 9,558.04                    | 16,537.59                   | 10,599.34                   | 47.41               | 101.10           | -151.66                     | -6,009.43                                 | 125.35          | 1,183.25                     | 1,075.39                      | 107.85                          | 10.971               |           |
| 15,500.00                                                                        | 9,556.90                    | 16,637.59                   | 10,598.42                   | 48.08               | 102.70           | -151.67                     | -6,109.42                                 | 126.09          | 1,183.46                     | 1,073.90                      | 109.56                          | 10.802               |           |
| 15,600.00                                                                        | 9,555.76                    | 16,737.59                   | 10,597.51                   | 48.75               | 104.29           | -151.67                     | -6,209.42                                 | 126.83          | 1,183.66                     | 1,072.40                      | 111.26                          | 10.638               |           |
| 15,700.00                                                                        | 9,554.61                    | 16,837.59                   | 10,596.60                   | 49.43               | 105.89           | -151.67                     | -6,309.41                                 | 127.57          | 1,183.87                     | 1,070.90                      | 112.97                          | 10.479               |           |
| 15,800.00                                                                        | 9,553.47                    | 16,937.59                   | 10,595.69                   | 50.10               | 107.49           | -151.68                     | -6,409.40                                 | 128.31          | 1,184.08                     | 1,069.40                      | 114.68                          | 10.325               |           |
| 15,900.00                                                                        | 9,552.33                    | 17,037.59                   | 10,594.77                   | 50.79               | 109.09           | -151.68                     | -6,509.40                                 | 129.05          | 1,184.29                     | 1,067.89                      | 116.40                          | 10.175               |           |
| 16,000.00                                                                        | 9,551.19                    | 17,137.59                   | 10,593.86                   | 51.47               | 110.69           | -151.69                     | -6,609.39                                 | 129.79          | 1,184.50                     | 1,066.39                      | 118.11                          | 10.029               |           |
| 16,100.00                                                                        | 9,550.05                    | 17,237.59                   | 10,592.95                   | 52.15               | 112.30           | -151.69                     | -6,709.38                                 | 130.53          | 1,184.71                     | 1,064.88                      | 119.83                          | 9.887                |           |
| 16,200.00                                                                        | 9,548.90                    | 17,337.59                   | 10,592.04                   | 52.84               | 113.90           | -151.70                     | -6,809.37                                 | 131.27          | 1,184.92                     | 1,063.37                      | 121.55                          | 9.749                |           |
| 16,300.00                                                                        | 9,547.76                    | 17,437.59                   | 10,591.12                   | 53.53               | 115.51           | -151.70                     | -6,909.37                                 | 132.01          | 1,185.12                     | 1,061.86                      | 123.27                          | 9.614                |           |
| 16,400.00                                                                        | 9,546.62                    | 17,537.59                   | 10,590.21                   | 54.22               | 117.11           | -151.71                     | -7,009.36                                 | 132.75          | 1,185.33                     | 1,060.34                      | 124.99                          | 9.483                |           |
| 16,500.00                                                                        | 9,545.48                    | 17,637.59                   | 10,589.30                   | 54.92               | 118.72           | -151.71                     | -7,109.35                                 | 133.49          | 1,185.54                     | 1,058.83                      | 126.71                          | 9.356                |           |
| 16,600.00                                                                        | 9,544.33                    | 17,737.59                   | 10,588.39                   | 55.61               | 120.33           | -151.72                     | -7,209.35                                 | 134.23          | 1,185.75                     | 1,057.31                      | 128.44                          | 9.232                |           |
| 16,700.00                                                                        | 9,543.19                    | 17,837.59                   | 10,587.47                   | 56.31               | 121.94           | -151.72                     | -7,309.34                                 | 134.97          | 1,185.96                     | 1,055.79                      | 130.17                          | 9.111                |           |
| 16,800.00                                                                        | 9,542.05                    | 17,937.59                   | 10,586.56                   | 57.01               | 123.54           | -151.73                     | -7,409.33                                 | 135.71          | 1,186.17                     | 1,054.27                      | 131.89                          | 8.993                |           |
| 16,900.00                                                                        | 9,540.91                    | 18,037.59                   | 10,585.65                   | 57.71               | 125.15           | -151.73                     | -7,509.32                                 | 136.45          | 1,186.38                     | 1,052.75                      | 133.62                          | 8.878                |           |
| 16,979.53                                                                        | 9,540.00                    | 18,109.56                   | 10,584.99                   | 58.27               | 126.31           | -151.73                     | -7,581.29                                 | 136.99          | 1,186.57                     | 1,051.64                      | 134.93                          | 8.794                |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit Sec 22-27 Trac Pad - Thistle Unit 115H - OH - Plan #2 |                       |                       |                       |                  |               |                       |                                     |                                     |                        |                         |                           |                   | Offset Site Error: | 0.00 usft |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|-------------------------------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: O-LEAM MWD+HDGM                                                  |                       |                       |                       |                  |               |                       |                                     |                                     |                        |                         |                           |                   | Offset Well Error: | 0.00 usft |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |                                     |                        |                         |                           |                   |                    | Warning   |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | Offset Wellbore Centre +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |           |
| 0.00                                                                             | 0.00                  | 0.00                  | 0.00                  | 0.00             | 0.00          | -90.34                | -0.18                               | -29.96                              | 29.96                  |                         |                           |                   |                    |           |
| 100.00                                                                           | 100.00                | 99.90                 | 99.90                 | 0.09             | 0.09          | -90.34                | -0.18                               | -29.96                              | 29.96                  | 29.79                   | 0.17                      | 174.331           |                    |           |
| 200.00                                                                           | 200.00                | 199.90                | 199.90                | 0.10             | 0.10          | -90.34                | -0.18                               | -29.96                              | 29.96                  | 29.34                   | 0.62                      | 48.226            |                    |           |
| 300.00                                                                           | 300.00                | 299.90                | 299.90                | 0.10             | 0.10          | -90.34                | -0.18                               | -29.96                              | 29.96                  | 28.89                   | 1.07                      | 27.980            |                    |           |
| 400.00                                                                           | 400.00                | 399.90                | 399.90                | 0.10             | 0.10          | -90.34                | -0.18                               | -29.96                              | 29.96                  | 28.44                   | 1.52                      | 19.707            |                    |           |
| 500.00                                                                           | 500.00                | 499.90                | 499.90                | 0.10             | 0.10          | -90.34                | -0.18                               | -29.96                              | 29.96                  | 27.99                   | 1.97                      | 15.210            |                    |           |
| 600.00                                                                           | 600.00                | 599.90                | 599.90                | 0.10             | 0.10          | -90.34                | -0.18                               | -29.96                              | 29.96                  | 27.54                   | 2.42                      | 12.384            |                    |           |
| 700.00                                                                           | 700.00                | 699.90                | 699.90                | 0.10             | 0.10          | -90.34                | -0.18                               | -29.96                              | 29.96                  | 27.09                   | 2.87                      | 10.443            |                    |           |
| 800.00                                                                           | 800.00                | 799.90                | 799.90                | 0.10             | 0.10          | -90.34                | -0.18                               | -29.96                              | 29.96                  | 26.64                   | 3.32                      | 9.028             |                    |           |
| 900.00                                                                           | 900.00                | 899.90                | 899.90                | 0.10             | 0.10          | -90.34                | -0.18                               | -29.96                              | 29.96                  | 26.19                   | 3.77                      | 7.951             |                    |           |
| 1,000.00                                                                         | 1,000.00              | 999.90                | 999.90                | 0.10             | 0.10          | -90.34                | -0.18                               | -29.96                              | 29.96                  | 25.74                   | 4.22                      | 7.104             |                    |           |
| 1,100.00                                                                         | 1,100.00              | 1,099.90              | 1,099.90              | 0.10             | 0.10          | -90.34                | -0.18                               | -29.96                              | 29.96                  | 25.29                   | 4.67                      | 6.420             |                    |           |
| 1,200.00                                                                         | 1,200.00              | 1,199.90              | 1,199.90              | 0.10             | 0.10          | -90.34                | -0.18                               | -29.96                              | 29.96                  | 24.84                   | 5.12                      | 5.856             |                    |           |
| 1,300.00                                                                         | 1,300.00              | 1,299.90              | 1,299.90              | 0.10             | 0.10          | -90.34                | -0.18                               | -29.96                              | 29.96                  | 24.39                   | 5.57                      | 5.383             |                    |           |
| 1,400.00                                                                         | 1,400.00              | 1,399.90              | 1,399.90              | 0.10             | 0.10          | -90.34                | -0.18                               | -29.96                              | 29.96                  | 23.94                   | 6.02                      | 4.980             |                    |           |
| 1,500.00                                                                         | 1,500.00              | 1,499.90              | 1,499.90              | 0.10             | 0.10          | -90.34                | -0.18                               | -29.96                              | 29.96                  | 23.50                   | 6.47                      | 4.634             |                    |           |
| 1,600.00                                                                         | 1,600.00              | 1,599.90              | 1,599.90              | 0.10             | 0.10          | -90.34                | -0.18                               | -29.96                              | 29.96                  | 23.05                   | 6.91                      | 4.333             |                    |           |
| 1,700.00                                                                         | 1,700.00              | 1,699.90              | 1,699.90              | 0.10             | 0.10          | -90.34                | -0.18                               | -29.96                              | 29.96                  | 22.60                   | 7.36                      | 4.068             |                    |           |
| 1,800.00                                                                         | 1,800.00              | 1,799.90              | 1,799.90              | 0.10             | 0.10          | -90.34                | -0.18                               | -29.96                              | 29.96                  | 22.15                   | 7.81                      | 3.834             |                    |           |
| 1,900.00                                                                         | 1,900.00              | 1,899.90              | 1,899.90              | 0.10             | 0.10          | -90.34                | -0.18                               | -29.96                              | 29.96                  | 21.70                   | 8.26                      | 3.626             |                    |           |
| 2,000.00                                                                         | 2,000.00              | 1,999.90              | 1,999.90              | 0.10             | 0.10          | -90.34                | -0.18                               | -29.96                              | 29.96                  | 21.25                   | 8.71                      | 3.439             |                    |           |
| 2,100.00                                                                         | 2,100.00              | 2,099.90              | 2,099.90              | 0.10             | 0.10          | -90.34                | -0.18                               | -29.96                              | 29.96                  | 20.80                   | 9.16                      | 3.270             |                    |           |
| 2,200.00                                                                         | 2,200.00              | 2,199.90              | 2,199.90              | 0.10             | 0.10          | -90.34                | -0.18                               | -29.96                              | 29.96                  | 20.35                   | 9.61                      | 3.117             |                    |           |
| 2,203.47                                                                         | 2,203.47              | 2,203.37              | 2,203.37              | 0.10             | 0.10          | -90.34                | -0.18                               | -29.96                              | 29.96                  | 20.33                   | 9.63                      | 3.112 CC          |                    |           |
| 2,300.00                                                                         | 2,300.00              | 2,299.64              | 2,299.64              | 0.36             | 0.36          | -90.34                | -0.18                               | -30.18                              | 30.18                  | 20.12                   | 10.05                     | 3.002 ES          |                    |           |
| 2,400.00                                                                         | 2,400.00              | 2,399.09              | 2,399.07              | 0.91             | 0.92          | -90.32                | -0.18                               | -31.90                              | 31.91                  | 21.44                   | 10.47                     | 3.047             |                    |           |
| 2,500.00                                                                         | 2,500.00              | 2,498.44              | 2,498.37              | 1.56             | 1.57          | -90.29                | -0.18                               | -35.35                              | 35.38                  | 24.49                   | 10.89                     | 3.249             |                    |           |
| 2,600.00                                                                         | 2,600.00              | 2,597.65              | 2,597.44              | 2.35             | 2.36          | -90.25                | -0.18                               | -40.50                              | 40.58                  | 29.27                   | 11.30                     | 3.590             |                    |           |
| 2,700.00                                                                         | 2,700.00              | 2,696.65              | 2,696.20              | 3.40             | 3.41          | -90.22                | -0.18                               | -47.36                              | 47.51                  | 35.79                   | 11.72                     | 4.054             |                    |           |
| 2,800.00                                                                         | 2,800.00              | 2,795.39              | 2,794.56              | 4.61             | 4.62          | -90.18                | -0.18                               | -55.90                              | 56.15                  | 44.02                   | 12.13                     | 4.629             |                    |           |
| 2,900.00                                                                         | 2,900.00              | 2,893.80              | 2,892.44              | 6.20             | 6.21          | -90.16                | -0.18                               | -66.09                              | 66.51                  | 53.97                   | 12.54                     | 5.305             |                    |           |
| 3,000.00                                                                         | 3,000.00              | 2,991.83              | 2,989.76              | 8.17             | 8.18          | -90.13                | -0.18                               | -77.92                              | 78.57                  | 65.63                   | 12.94                     | 6.070             |                    |           |
| 3,100.00                                                                         | 3,099.99              | 3,090.08              | 3,087.09              | 9.91             | 9.92          | -0.11                 | -0.18                               | -91.34                              | 91.37                  | 78.02                   | 13.34                     | 6.848             |                    |           |
| 3,200.00                                                                         | 3,199.96              | 3,189.42              | 3,185.45              | 10.57            | 10.58         | -0.10                 | -0.18                               | -105.26                             | 102.79                 | 89.04                   | 13.75                     | 7.476             |                    |           |
| 3,300.00                                                                         | 3,299.86              | 3,288.95              | 3,283.99              | 11.05            | 11.06         | -0.09                 | -0.18                               | -119.22                             | 112.48                 | 98.32                   | 14.16                     | 7.943             |                    |           |
| 3,400.00                                                                         | 3,399.68              | 3,388.63              | 3,382.69              | 11.37            | 11.38         | -0.09                 | -0.18                               | -133.19                             | 120.43                 | 105.85                  | 14.58                     | 8.262             |                    |           |
| 3,500.00                                                                         | 3,499.37              | 3,488.44              | 3,481.51              | 11.53            | 11.54         | -0.08                 | -0.18                               | -147.19                             | 126.64                 | 111.64                  | 15.00                     | 8.445             |                    |           |
| 3,525.23                                                                         | 3,524.50              | 3,513.64              | 3,506.46              | 11.59            | 11.60         | -0.08                 | -0.18                               | -150.72                             | 127.93                 | 112.82                  | 15.10                     | 8.471             |                    |           |
| 3,600.00                                                                         | 3,598.95              | 3,588.31              | 3,580.40              | 11.68            | 11.69         | -0.08                 | -0.18                               | -161.19                             | 131.59                 | 116.17                  | 15.42                     | 8.534             |                    |           |
| 3,700.00                                                                         | 3,698.53              | 3,688.19              | 3,679.29              | 11.81            | 11.82         | -0.08                 | -0.18                               | -175.19                             | 136.49                 | 120.64                  | 15.85                     | 8.612             |                    |           |
| 3,800.00                                                                         | 3,798.11              | 3,788.07              | 3,778.19              | 11.84            | 11.85         | -0.07                 | -0.18                               | -189.20                             | 141.39                 | 125.11                  | 16.28                     | 8.685             |                    |           |
| 3,900.00                                                                         | 3,897.69              | 3,887.95              | 3,877.08              | 11.85            | 11.86         | -0.07                 | -0.18                               | -203.20                             | 146.28                 | 129.57                  | 16.71                     | 8.753             |                    |           |
| 4,000.00                                                                         | 3,997.27              | 3,987.83              | 3,975.98              | 11.86            | 11.87         | -0.07                 | -0.18                               | -217.21                             | 151.18                 | 134.03                  | 17.15                     | 8.817             |                    |           |
| 4,100.00                                                                         | 4,096.85              | 4,087.71              | 4,074.87              | 11.86            | 11.87         | -0.07                 | -0.18                               | -231.21                             | 156.08                 | 138.49                  | 17.59                     | 8.876             |                    |           |
| 4,200.00                                                                         | 4,196.43              | 4,187.59              | 4,173.76              | 11.86            | 11.87         | -0.06                 | -0.18                               | -245.21                             | 160.98                 | 142.95                  | 18.03                     | 8.931             |                    |           |
| 4,300.00                                                                         | 4,296.01              | 4,287.47              | 4,272.66              | 11.86            | 11.87         | -0.06                 | -0.18                               | -259.22                             | 165.87                 | 147.41                  | 18.47                     | 8.982             |                    |           |
| 4,400.00                                                                         | 4,395.59              | 4,387.35              | 4,371.55              | 11.86            | 11.87         | -0.06                 | -0.18                               | -273.22                             | 170.77                 | 151.86                  | 18.91                     | 9.030             |                    |           |
| 4,500.00                                                                         | 4,495.17              | 4,487.23              | 4,470.44              | 11.86            | 11.87         | -0.06                 | -0.18                               | -287.22                             | 175.67                 | 156.31                  | 19.36                     | 9.076             |                    |           |
| 4,600.00                                                                         | 4,494.75              | 4,487.11              | 4,469.34              | 11.86            | 11.87         | -0.06                 | -0.18                               | -301.23                             | 180.57                 | 160.76                  | 19.80                     | 9.118             |                    |           |
| 4,700.00                                                                         | 4,494.33              | 4,486.99              | 4,468.23              | 11.86            | 11.87         | -0.06                 | -0.18                               | -315.23                             | 185.47                 | 165.21                  | 20.25                     | 9.158             |                    |           |
| 4,800.00                                                                         | 4,793.91              | 4,786.87              | 4,767.12              | 11.86            | 11.87         | -0.05                 | -0.18                               | -329.24                             | 190.36                 | 169.66                  | 20.70                     | 9.195             |                    |           |
| 4,900.00                                                                         | 4,893.49              | 4,886.75              | 4,866.02              | 11.85            | 11.86         | -0.05                 | -0.18                               | -343.24                             | 195.26                 | 174.11                  | 21.15                     | 9.231             |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit Sec 22-27 Trac Pad - Thistle Unit 115H - OH - Plan #2 |                       |                       |                       |                  |               |                       |                                     |                                     |                        |                         |                           |                   | Offset Site Error: 0.00 usft |         |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|-------------------------------------|------------------------|-------------------------|---------------------------|-------------------|------------------------------|---------|
| Survey Program: O-LEAM MWD+HDGM                                                  |                       |                       |                       |                  |               |                       |                                     |                                     |                        |                         |                           |                   | Offset Well Error: 0.00 usft |         |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |                                     |                        |                         |                           |                   |                              | Warning |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | Offset Wellbore Centre +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                              |         |
| 5,000.00                                                                         | 4,993.07              | 4,986.63              | 4,964.91              | 11.09            | 12.02         | -0.05                 | -0.18                               | -357.24                             | 200.16                 | 178.55                  | 21.61                     | 9.264             |                              |         |
| 5,100.00                                                                         | 5,092.65              | 5,086.51              | 5,063.80              | 11.34            | 12.32         | -0.05                 | -0.18                               | -371.25                             | 205.06                 | 183.00                  | 22.06                     | 9.296             |                              |         |
| 5,200.00                                                                         | 5,192.23              | 5,186.39              | 5,162.70              | 11.58            | 12.62         | -0.05                 | -0.18                               | -385.25                             | 209.96                 | 187.44                  | 22.51                     | 9.326             |                              |         |
| 5,300.00                                                                         | 5,291.81              | 5,286.27              | 5,261.59              | 11.83            | 12.92         | -0.05                 | -0.18                               | -399.25                             | 214.85                 | 191.88                  | 22.97                     | 9.354             |                              |         |
| 5,400.00                                                                         | 5,391.39              | 5,386.15              | 5,360.48              | 12.08            | 13.23         | -0.05                 | -0.18                               | -413.26                             | 219.75                 | 196.32                  | 23.43                     | 9.381             |                              |         |
| 5,500.00                                                                         | 5,490.97              | 5,486.03              | 5,459.38              | 12.33            | 13.53         | -0.05                 | -0.18                               | -427.26                             | 224.65                 | 200.76                  | 23.88                     | 9.406             |                              |         |
|                                                                                  |                       |                       |                       |                  |               |                       |                                     |                                     |                        |                         |                           |                   |                              |         |
| 5,600.00                                                                         | 5,590.55              | 5,585.91              | 5,558.27              | 12.58            | 13.84         | -0.04                 | -0.18                               | -441.26                             | 229.55                 | 205.20                  | 24.34                     | 9.430             |                              |         |
| 5,700.00                                                                         | 5,690.13              | 5,685.79              | 5,657.16              | 12.83            | 14.14         | -0.04                 | -0.18                               | -455.27                             | 234.44                 | 209.64                  | 24.80                     | 9.453             |                              |         |
| 5,800.00                                                                         | 5,789.71              | 5,785.67              | 5,756.06              | 13.08            | 14.45         | -0.04                 | -0.18                               | -469.27                             | 239.34                 | 214.08                  | 25.26                     | 9.475             |                              |         |
| 5,900.00                                                                         | 5,889.29              | 5,885.55              | 5,854.95              | 13.33            | 14.75         | -0.04                 | -0.18                               | -483.28                             | 244.24                 | 218.52                  | 25.72                     | 9.495             |                              |         |
| 6,000.00                                                                         | 5,988.87              | 5,985.43              | 5,953.84              | 13.58            | 15.06         | -0.04                 | -0.18                               | -497.28                             | 249.14                 | 222.95                  | 26.18                     | 9.515             |                              |         |
|                                                                                  |                       |                       |                       |                  |               |                       |                                     |                                     |                        |                         |                           |                   |                              |         |
| 6,100.00                                                                         | 6,088.45              | 6,085.31              | 6,052.74              | 13.84            | 15.37         | -0.04                 | -0.18                               | -511.28                             | 254.04                 | 227.39                  | 26.64                     | 9.534             |                              |         |
| 6,200.00                                                                         | 6,188.03              | 6,185.19              | 6,151.63              | 14.09            | 15.68         | -0.04                 | -0.18                               | -525.29                             | 258.93                 | 231.83                  | 27.11                     | 9.552             |                              |         |
| 6,300.00                                                                         | 6,287.61              | 6,285.07              | 6,250.52              | 14.34            | 15.98         | -0.04                 | -0.18                               | -539.29                             | 263.83                 | 236.26                  | 27.57                     | 9.569             |                              |         |
| 6,400.00                                                                         | 6,387.19              | 6,384.95              | 6,349.42              | 14.60            | 16.29         | -0.04                 | -0.18                               | -553.29                             | 268.73                 | 240.70                  | 28.03                     | 9.586             |                              |         |
| 6,500.00                                                                         | 6,486.77              | 6,484.83              | 6,448.31              | 14.85            | 16.60         | -0.04                 | -0.18                               | -567.30                             | 273.63                 | 245.13                  | 28.50                     | 9.601             |                              |         |
|                                                                                  |                       |                       |                       |                  |               |                       |                                     |                                     |                        |                         |                           |                   |                              |         |
| 6,600.00                                                                         | 6,586.35              | 6,584.71              | 6,547.20              | 15.11            | 16.91         | -0.04                 | -0.18                               | -581.30                             | 278.53                 | 249.56                  | 28.96                     | 9.617             |                              |         |
| 6,700.00                                                                         | 6,685.93              | 6,684.59              | 6,646.10              | 15.37            | 17.22         | -0.04                 | -0.18                               | -595.31                             | 283.42                 | 253.99                  | 29.43                     | 9.631             |                              |         |
| 6,800.00                                                                         | 6,785.51              | 6,784.47              | 6,744.99              | 15.62            | 17.54         | -0.04                 | -0.18                               | -609.31                             | 288.32                 | 258.43                  | 29.89                     | 9.645             |                              |         |
| 6,900.00                                                                         | 6,885.09              | 6,884.35              | 6,843.88              | 15.88            | 17.85         | -0.04                 | -0.18                               | -623.31                             | 293.22                 | 262.86                  | 30.36                     | 9.658             |                              |         |
| 7,000.00                                                                         | 6,984.68              | 6,984.23              | 6,942.78              | 16.14            | 18.16         | -0.03                 | -0.18                               | -637.32                             | 298.12                 | 267.29                  | 30.83                     | 9.671             |                              |         |
|                                                                                  |                       |                       |                       |                  |               |                       |                                     |                                     |                        |                         |                           |                   |                              |         |
| 7,100.00                                                                         | 7,084.26              | 7,084.11              | 7,041.67              | 16.40            | 18.47         | -0.03                 | -0.18                               | -651.32                             | 303.01                 | 271.72                  | 31.29                     | 9.683             |                              |         |
| 7,200.00                                                                         | 7,183.84              | 7,183.99              | 7,140.56              | 16.66            | 18.78         | -0.03                 | -0.18                               | -665.32                             | 307.91                 | 276.15                  | 31.76                     | 9.695             |                              |         |
| 7,300.00                                                                         | 7,283.42              | 7,283.87              | 7,239.46              | 16.91            | 19.10         | -0.03                 | -0.18                               | -679.33                             | 312.81                 | 280.58                  | 32.23                     | 9.706             |                              |         |
| 7,400.00                                                                         | 7,383.00              | 7,383.75              | 7,338.35              | 17.17            | 19.41         | -0.03                 | -0.18                               | -693.33                             | 317.71                 | 285.01                  | 32.70                     | 9.717             |                              |         |
| 7,500.00                                                                         | 7,482.58              | 7,483.63              | 7,437.24              | 17.43            | 19.72         | -0.03                 | -0.18                               | -707.33                             | 322.61                 | 289.44                  | 33.16                     | 9.727             |                              |         |
|                                                                                  |                       |                       |                       |                  |               |                       |                                     |                                     |                        |                         |                           |                   |                              |         |
| 7,600.00                                                                         | 7,582.16              | 7,583.51              | 7,536.14              | 17.69            | 20.04         | -0.03                 | -0.18                               | -721.34                             | 327.50                 | 293.87                  | 33.63                     | 9.737             |                              |         |
| 7,700.00                                                                         | 7,681.74              | 7,683.39              | 7,635.03              | 17.95            | 20.35         | -0.03                 | -0.18                               | -735.34                             | 332.40                 | 298.30                  | 34.10                     | 9.747             |                              |         |
| 7,800.00                                                                         | 7,781.32              | 7,783.27              | 7,733.92              | 18.21            | 20.66         | -0.03                 | -0.18                               | -749.35                             | 337.30                 | 302.73                  | 34.57                     | 9.757             |                              |         |
| 7,900.00                                                                         | 7,880.90              | 7,883.15              | 7,832.82              | 18.47            | 20.98         | -0.03                 | -0.18                               | -763.35                             | 342.20                 | 307.16                  | 35.04                     | 9.766             |                              |         |
| 8,000.00                                                                         | 7,980.48              | 7,983.03              | 7,931.71              | 18.73            | 21.29         | -0.03                 | -0.18                               | -777.35                             | 347.09                 | 311.58                  | 35.51                     | 9.774             |                              |         |
|                                                                                  |                       |                       |                       |                  |               |                       |                                     |                                     |                        |                         |                           |                   |                              |         |
| 8,100.00                                                                         | 8,080.06              | 8,082.91              | 8,030.61              | 19.00            | 21.61         | -0.03                 | -0.18                               | -791.36                             | 351.99                 | 316.01                  | 35.98                     | 9.783             |                              |         |
| 8,200.00                                                                         | 8,179.64              | 8,188.94              | 8,135.70              | 19.26            | 21.86         | -0.03                 | -0.18                               | -805.38                             | 356.09                 | 319.63                  | 36.46                     | 9.767             |                              |         |
| 8,243.13                                                                         | 8,222.58              | 8,234.91              | 8,181.35              | 19.37            | 21.97         | -0.03                 | -0.18                               | -810.85                             | 357.29                 | 320.63                  | 36.66                     | 9.746             |                              |         |
| 8,300.00                                                                         | 8,279.24              | 8,295.56              | 8,241.62              | 19.50            | 22.10         | -0.03                 | -0.18                               | -817.52                             | 358.62                 | 321.71                  | 36.91                     | 9.716             |                              |         |
| 8,400.00                                                                         | 8,378.97              | 8,402.23              | 8,347.81              | 19.70            | 22.33         | -0.03                 | -0.18                               | -827.69                             | 360.87                 | 323.55                  | 37.32                     | 9.669             |                              |         |
|                                                                                  |                       |                       |                       |                  |               |                       |                                     |                                     |                        |                         |                           |                   |                              |         |
| 8,500.00                                                                         | 8,478.82              | 8,508.95              | 8,454.21              | 19.89            | 22.54         | -0.03                 | -0.18                               | -835.89                             | 363.00                 | 325.28                  | 37.72                     | 9.624             |                              |         |
| 8,600.00                                                                         | 8,578.74              | 8,615.71              | 8,560.79              | 20.08            | 22.74         | -0.03                 | -0.18                               | -842.10                             | 365.01                 | 326.92                  | 38.10                     | 9.581             |                              |         |
| 8,700.00                                                                         | 8,678.72              | 8,722.52              | 8,667.51              | 20.26            | 22.93         | -0.03                 | -0.18                               | -846.33                             | 366.91                 | 328.45                  | 38.46                     | 9.540             |                              |         |
| 8,768.36                                                                         | 8,747.08              | 8,795.55              | 8,740.52              | 20.38            | 23.05         | -90.03                | -0.18                               | -848.08                             | 368.13                 | 329.43                  | 38.70                     | 9.512             |                              |         |
| 8,800.00                                                                         | 8,778.72              | 8,829.36              | 8,774.33              | 20.44            | 23.10         | -90.03                | -0.18                               | -848.57                             | 368.60                 | 329.78                  | 38.82                     | 9.495             |                              |         |
|                                                                                  |                       |                       |                       |                  |               |                       |                                     |                                     |                        |                         |                           |                   |                              |         |
| 8,900.00                                                                         | 8,878.72              | 8,933.66              | 8,878.62              | 20.64            | 23.28         | -90.03                | -0.18                               | -848.96                             | 368.96                 | 329.76                  | 39.20                     | 9.411             |                              |         |
| 9,000.00                                                                         | 8,978.72              | 9,033.66              | 8,978.62              | 20.84            | 23.45         | -90.03                | -0.18                               | -848.96                             | 368.96                 | 329.34                  | 39.62                     | 9.314             |                              |         |
| 9,068.36                                                                         | 9,047.08              | 9,102.02              | 9,046.98              | 20.97            | 23.57         | -90.03                | -0.18                               | -848.96                             | 368.96                 | 329.06                  | 39.90                     | 9.248             |                              |         |
| 9,100.00                                                                         | 9,078.70              | 9,133.64              | 9,078.60              | 21.03            | 23.63         | 90.52                 | -0.18                               | -848.96                             | 368.97                 | 328.94                  | 40.02                     | 9.219             |                              |         |
| 9,150.00                                                                         | 9,128.44              | 9,183.38              | 9,128.34              | 21.12            | 23.72         | 91.28                 | -0.18                               | -848.96                             | 369.05                 | 328.82                  | 40.22                     | 9.175             |                              |         |
|                                                                                  |                       |                       |                       |                  |               |                       |                                     |                                     |                        |                         |                           |                   |                              |         |
| 9,200.00                                                                         | 9,177.57              | 9,233.60              | 9,178.54              | 21.21            | 23.80         | 92.51                 | -1.41                               | -848.95                             | 369.31                 | 328.89                  | 40.42                     | 9.137             |                              |         |
| 9,250.00                                                                         | 9,225.69              | 9,284.77              | 9,229.38              | 21.30            | 23.88         | 93.75                 | -7.03                               | -848.91                             | 369.76                 | 329.15                  | 40.61                     | 9.105             |                              |         |
| 9,300.00                                                                         | 9,272.46              | 9,336.71              | 9,280.27              | 21.40            | 23.97         | 94.97                 | -17.35                              | -848.83                             | 370.38                 | 329.57                  | 40.81                     | 9.076             |                              |         |
| 9,350.00                                                                         | 9,317.51              | 9,389.46              | 9,330.77              | 21.49            | 24.05         | 96.16                 | -32.50                              | -848.72                             | 371.14                 | 330.14                  | 41.00                     | 9.052             |                              |         |
| 9,400.00                                                                         | 9,360.51              | 9,443.02              | 9,380.41              | 21.59            | 24.14         | 97.31                 | -52.57                              | -848.57                             | 372.03                 | 330.84                  | 41.19                     | 9.031             |                              |         |
|                                                                                  |                       |                       |                       |                  |               |                       |                                     |                                     |                        |                         |                           |                   |                              |         |
| 9,450.00                                                                         | 9,401.12              | 9,497.38              | 9,428.65              | 21.69            | 24.24         | 98.40                 | -77.59                              | -848.39                             | 373.02                 | 331.63                  | 41.38                     | 9.013             |                              |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit Sec 22-27 Trac Pad - Thistle Unit 115H - OH - Plan #2 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: 0.00 usft |  |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|------------------------------|--|
| Survey Program: O-LEAM MWD+HDGM                                                  |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: 0.00 usft |  |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               | Distance              |                                     |              |                        |                         |                           |                   | Warning                      |  |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (") | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                              |  |
| 9,500.00                                                                         | 9,439.03              | 9,552.56              | 9,474.96              | 21.80            | 24.33         | 99.43                 | -107.54                             | -848.16      | 374.07                 | 332.50                  | 41.57                     | 8.998             |                              |  |
| 9,550.00                                                                         | 9,473.97              | 9,608.51              | 9,518.77              | 21.91            | 24.44         | 100.38                | -142.31                             | -847.91      | 375.16                 | 333.40                  | 41.76                     | 8.984             |                              |  |
| 9,600.00                                                                         | 9,505.65              | 9,665.21              | 9,559.48              | 22.04            | 24.55         | 101.25                | -181.73                             | -847.61      | 376.24                 | 334.29                  | 41.95                     | 8.969             |                              |  |
| 9,650.00                                                                         | 9,533.84              | 9,722.60              | 9,596.53              | 22.18            | 24.67         | 102.03                | -225.54                             | -847.29      | 377.27                 | 335.13                  | 42.14                     | 8.952             |                              |  |
| 9,700.00                                                                         | 9,558.33              | 9,780.63              | 9,629.34              | 22.35            | 24.81         | 102.70                | -273.38                             | -846.94      | 378.22                 | 335.87                  | 42.35                     | 8.931             |                              |  |
| 9,750.00                                                                         | 9,578.93              | 9,839.22              | 9,657.39              | 22.54            | 24.98         | 103.26                | -324.79                             | -846.55      | 379.06                 | 336.48                  | 42.58                     | 8.902             |                              |  |
| 9,800.00                                                                         | 9,595.48              | 9,898.28              | 9,680.20              | 22.75            | 25.17         | 103.71                | -379.23                             | -846.15      | 379.75                 | 336.90                  | 42.85                     | 8.862             |                              |  |
| 9,850.00                                                                         | 9,607.86              | 9,957.70              | 9,697.38              | 22.99            | 25.39         | 104.04                | -436.08                             | -845.73      | 380.26                 | 337.09                  | 43.17                     | 8.809             |                              |  |
| 9,900.00                                                                         | 9,615.96              | 10,017.37             | 9,708.61              | 23.25            | 25.65         | 104.24                | -494.66                             | -845.30      | 380.58                 | 337.04                  | 43.54                     | 8.741             |                              |  |
| 9,950.00                                                                         | 9,619.74              | 10,077.17             | 9,713.70              | 23.55            | 25.94         | 104.31                | -554.21                             | -844.86      | 380.69                 | 336.71                  | 43.97                     | 8.657             |                              |  |
| 9,966.06                                                                         | 9,620.03              | 10,095.91             | 9,714.01              | 23.65            | 26.04         | 104.31                | -572.95                             | -844.72      | 380.68                 | 336.54                  | 44.13                     | 8.626             |                              |  |
| 9,974.90                                                                         | 9,620.00              | 10,104.75             | 9,714.05              | 23.70            | 26.09         | 104.32                | -581.79                             | -844.65      | 380.69                 | 336.45                  | 44.24                     | 8.605             |                              |  |
| 10,000.00                                                                        | 9,619.71              | 10,129.85             | 9,714.17              | 27.27            | 26.23         | 104.38                | -606.88                             | -844.46      | 380.79                 | 336.31                  | 44.48                     | 8.561             |                              |  |
| 10,100.00                                                                        | 9,618.57              | 10,229.83             | 9,714.63              | 27.34            | 26.85         | 104.61                | -706.86                             | -843.72      | 381.18                 | 336.06                  | 45.12                     | 8.448             |                              |  |
| 10,200.00                                                                        | 9,617.43              | 10,329.82             | 9,715.08              | 27.41            | 27.56         | 104.84                | -806.85                             | -842.98      | 381.57                 | 335.70                  | 45.87                     | 8.318             |                              |  |
| 10,300.00                                                                        | 9,616.29              | 10,429.81             | 9,715.54              | 27.49            | 28.35         | 105.07                | -906.83                             | -842.24      | 381.97                 | 335.24                  | 46.73                     | 8.173             |                              |  |
| 10,400.00                                                                        | 9,615.15              | 10,529.79             | 9,716.00              | 27.57            | 29.21         | 105.31                | -1,006.81                           | -841.50      | 382.37                 | 334.69                  | 47.69                     | 8.018             |                              |  |
| 10,500.00                                                                        | 9,614.00              | 10,629.78             | 9,716.45              | 27.66            | 30.14         | 105.54                | -1,106.80                           | -840.76      | 382.79                 | 334.05                  | 48.73                     | 7.855             |                              |  |
| 10,600.00                                                                        | 9,612.86              | 10,729.77             | 9,716.91              | 27.74            | 31.14         | 105.77                | -1,206.78                           | -840.02      | 383.20                 | 333.35                  | 49.86                     | 7.686             |                              |  |
| 10,700.00                                                                        | 9,611.72              | 10,829.76             | 9,717.37              | 27.83            | 32.18         | 106.00                | -1,306.76                           | -839.28      | 383.63                 | 332.57                  | 51.05                     | 7.514             |                              |  |
| 10,800.00                                                                        | 9,610.58              | 10,929.74             | 9,717.82              | 27.92            | 33.28         | 106.23                | -1,406.75                           | -838.54      | 384.06                 | 331.74                  | 52.32                     | 7.341             |                              |  |
| 10,900.00                                                                        | 9,609.44              | 11,029.73             | 9,718.28              | 28.02            | 34.42         | 106.46                | -1,506.73                           | -837.80      | 384.49                 | 330.84                  | 53.65                     | 7.167             |                              |  |
| 11,000.00                                                                        | 9,608.29              | 11,129.72             | 9,718.74              | 28.12            | 35.60         | 106.69                | -1,606.72                           | -837.06      | 384.94                 | 329.90                  | 55.04                     | 6.994             |                              |  |
| 11,100.00                                                                        | 9,607.15              | 11,229.71             | 9,719.19              | 28.22            | 36.81         | 106.92                | -1,706.70                           | -836.32      | 385.38                 | 328.91                  | 56.47                     | 6.824             |                              |  |
| 11,200.00                                                                        | 9,606.01              | 11,329.69             | 9,719.65              | 28.32            | 38.06         | 107.14                | -1,806.68                           | -835.58      | 385.84                 | 327.88                  | 57.96                     | 6.657             |                              |  |
| 11,300.00                                                                        | 9,604.87              | 11,429.68             | 9,720.11              | 28.43            | 39.34         | 107.37                | -1,906.67                           | -834.83      | 386.30                 | 326.81                  | 59.49                     | 6.493             |                              |  |
| 11,400.00                                                                        | 9,603.72              | 11,529.67             | 9,720.56              | 28.55            | 40.64         | 107.60                | -2,006.65                           | -834.09      | 386.77                 | 325.70                  | 61.06                     | 6.334             |                              |  |
| 11,500.00                                                                        | 9,602.58              | 11,629.65             | 9,721.02              | 28.67            | 41.97         | 107.82                | -2,106.63                           | -833.35      | 387.24                 | 324.56                  | 62.67                     | 6.179             |                              |  |
| 11,600.00                                                                        | 9,601.44              | 11,729.64             | 9,721.48              | 28.80            | 43.31         | 108.05                | -2,206.62                           | -832.61      | 387.72                 | 323.40                  | 64.32                     | 6.028             |                              |  |
| 11,700.00                                                                        | 9,600.30              | 11,829.63             | 9,721.94              | 28.93            | 44.68         | 108.27                | -2,306.60                           | -831.87      | 388.20                 | 322.21                  | 66.00                     | 5.882             |                              |  |
| 11,800.00                                                                        | 9,599.16              | 11,929.62             | 9,722.39              | 29.08            | 46.07         | 108.50                | -2,406.58                           | -831.13      | 388.69                 | 320.99                  | 67.70                     | 5.741             |                              |  |
| 11,900.00                                                                        | 9,598.01              | 12,029.60             | 9,722.85              | 29.24            | 47.47         | 108.72                | -2,506.57                           | -830.39      | 389.19                 | 319.75                  | 69.44                     | 5.605             |                              |  |
| 12,000.00                                                                        | 9,596.87              | 12,129.59             | 9,723.31              | 29.42            | 48.88         | 108.95                | -2,606.55                           | -829.65      | 389.69                 | 318.50                  | 71.19                     | 5.474             |                              |  |
| 12,100.00                                                                        | 9,595.73              | 12,229.58             | 9,723.76              | 29.62            | 50.31         | 109.17                | -2,706.53                           | -828.91      | 390.20                 | 317.23                  | 72.98                     | 5.347             |                              |  |
| 12,200.00                                                                        | 9,594.59              | 12,329.56             | 9,724.22              | 29.85            | 51.76         | 109.39                | -2,806.52                           | -828.17      | 390.72                 | 315.94                  | 74.78                     | 5.225             |                              |  |
| 12,300.00                                                                        | 9,593.45              | 12,429.55             | 9,724.68              | 30.10            | 53.21         | 109.61                | -2,906.50                           | -827.43      | 391.24                 | 314.63                  | 76.60                     | 5.107             |                              |  |
| 12,400.00                                                                        | 9,592.30              | 12,529.54             | 9,725.13              | 30.40            | 54.67         | 109.83                | -3,006.48                           | -826.69      | 391.76                 | 313.32                  | 78.45                     | 4.994             |                              |  |
| 12,500.00                                                                        | 9,591.16              | 12,629.53             | 9,725.59              | 30.73            | 56.15         | 110.05                | -3,106.47                           | -825.94      | 392.29                 | 311.99                  | 80.30                     | 4.885             |                              |  |
| 12,600.00                                                                        | 9,590.02              | 12,729.51             | 9,726.05              | 31.09            | 57.63         | 110.27                | -3,206.45                           | -825.20      | 392.83                 | 310.65                  | 82.18                     | 4.780             |                              |  |
| 12,700.00                                                                        | 9,588.88              | 12,829.50             | 9,726.50              | 31.49            | 59.12         | 110.49                | -3,306.43                           | -824.46      | 393.38                 | 309.31                  | 84.07                     | 4.679             |                              |  |
| 12,800.00                                                                        | 9,587.73              | 12,929.49             | 9,726.96              | 31.93            | 60.62         | 110.71                | -3,406.42                           | -823.72      | 393.93                 | 307.96                  | 85.97                     | 4.582             |                              |  |
| 12,900.00                                                                        | 9,586.59              | 13,029.48             | 9,727.42              | 32.38            | 62.13         | 110.93                | -3,506.40                           | -822.98      | 394.48                 | 306.60                  | 87.88                     | 4.489             |                              |  |
| 13,000.00                                                                        | 9,585.45              | 13,129.46             | 9,727.88              | 32.87            | 63.64         | 111.15                | -3,606.38                           | -822.24      | 395.04                 | 305.23                  | 89.81                     | 4.399             |                              |  |
| 13,100.00                                                                        | 9,584.31              | 13,229.45             | 9,728.33              | 33.37            | 65.16         | 111.36                | -3,706.37                           | -821.50      | 395.61                 | 303.86                  | 91.75                     | 4.312             |                              |  |
| 13,200.00                                                                        | 9,583.17              | 13,329.44             | 9,728.79              | 33.88            | 66.68         | 111.58                | -3,806.35                           | -820.76      | 396.18                 | 302.49                  | 93.69                     | 4.229             |                              |  |
| 13,300.00                                                                        | 9,582.02              | 13,429.42             | 9,729.25              | 34.42            | 68.21         | 111.79                | -3,906.33                           | -820.02      | 396.76                 | 301.11                  | 95.65                     | 4.148             |                              |  |
| 13,400.00                                                                        | 9,580.88              | 13,529.41             | 9,729.70              | 34.96            | 69.74         | 112.01                | -4,006.32                           | -819.28      | 397.34                 | 299.73                  | 97.61                     | 4.071             |                              |  |
| 13,500.00                                                                        | 9,579.74              | 13,629.40             | 9,730.16              | 35.52            | 71.28         | 112.22                | -4,106.30                           | -818.54      | 397.93                 | 298.35                  | 99.58                     | 3.996             |                              |  |
| 13,600.00                                                                        | 9,578.60              | 13,729.39             | 9,730.62              | 36.09            | 72.83         | 112.44                | -4,206.28                           | -817.80      | 398.52                 | 296.97                  | 101.55                    | 3.924             |                              |  |
| 13,700.00                                                                        | 9,577.46              | 13,829.37             | 9,731.07              | 36.67            | 74.37         | 112.65                | -4,306.27                           | -817.06      | 399.12                 | 295.59                  | 103.54                    | 3.855             |                              |  |
| 13,800.00                                                                        | 9,576.31              | 13,929.36             | 9,731.53              | 37.25            | 75.93         | 112.86                | -4,406.25                           | -816.31      | 399.73                 | 294.20                  | 105.52                    | 3.788             |                              |  |
| 13,900.00                                                                        | 9,575.17              | 14,029.35             | 9,731.99              | 37.84            | 77.48         | 113.07                | -4,506.23                           | -815.57      | 400.34                 | 292.82                  | 107.52                    | 3.724             |                              |  |

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design                   |                       |                       |                       |                  |               |                       |                                     |              |                        |                         | Thistle Unit Sec 22-27 Trac Pad - Thistle Unit 115H - OH - Plan #2 |                   | Offset Site Error: |  | 0.00 usft |
|---------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|--------------------------------------------------------------------|-------------------|--------------------|--|-----------|
| Survey Program: O-LEAM MWD+HDGM |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                                                                    |                   | Offset Well Error: |  | 0.00 usft |
| Reference                       |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         | Minimum Separation (usft)                                          | Separation Factor | Warning            |  |           |
| Measured Depth (usft)           | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (") | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) |                                                                    |                   |                    |  |           |
| 14,000.00                       | 9,574.03              | 14,129.33             | 9,732.44              | 38.45            | 79.04         | 113.28                | -4,606.22                           | -814.83      | 400.96                 | 291.44                  | 109.51                                                             | 3.661             |                    |  |           |
| 14,100.00                       | 9,572.89              | 14,229.32             | 9,732.90              | 39.05            | 80.60         | 113.50                | -4,706.20                           | -814.09      | 401.58                 | 290.06                  | 111.52                                                             | 3.601             |                    |  |           |
| 14,200.00                       | 9,571.75              | 14,329.31             | 9,733.36              | 39.67            | 82.17         | 113.70                | -4,806.18                           | -813.35      | 402.20                 | 288.68                  | 113.52                                                             | 3.543             |                    |  |           |
| 14,300.00                       | 9,570.60              | 14,429.30             | 9,733.81              | 40.29            | 83.73         | 113.91                | -4,906.17                           | -812.61      | 402.84                 | 287.31                  | 115.53                                                             | 3.487             |                    |  |           |
| 14,400.00                       | 9,569.46              | 14,527.61             | 9,734.56              | 40.91            | 85.10         | 114.16                | -5,004.48                           | -811.88      | 403.60                 | 286.21                  | 117.39                                                             | 3.438             |                    |  |           |
| 14,500.00                       | 9,568.32              | 14,627.47             | 9,736.08              | 41.54            | 86.52         | 114.50                | -5,104.32                           | -811.15      | 404.69                 | 285.50                  | 119.18                                                             | 3.395             |                    |  |           |
| 14,600.00                       | 9,567.18              | 14,727.43             | 9,737.61              | 42.18            | 88.10         | 114.85                | -5,204.27                           | -810.41      | 405.79                 | 284.67                  | 121.12                                                             | 3.350             |                    |  |           |
| 14,700.00                       | 9,566.03              | 14,827.40             | 9,739.14              | 42.82            | 89.67         | 115.19                | -5,304.22                           | -809.67      | 406.91                 | 283.86                  | 123.05                                                             | 3.307             |                    |  |           |
| 14,800.00                       | 9,564.89              | 14,927.36             | 9,740.66              | 43.46            | 91.25         | 115.53                | -5,404.17                           | -808.93      | 408.04                 | 283.06                  | 124.98                                                             | 3.265             |                    |  |           |
| 14,900.00                       | 9,563.75              | 15,027.33             | 9,742.19              | 44.11            | 92.83         | 115.86                | -5,504.12                           | -808.19      | 409.19                 | 282.28                  | 126.91                                                             | 3.224             |                    |  |           |
| 15,000.00                       | 9,562.61              | 15,127.29             | 9,743.72              | 44.76            | 94.41         | 116.20                | -5,604.07                           | -807.46      | 410.35                 | 281.52                  | 128.84                                                             | 3.185             |                    |  |           |
| 15,100.00                       | 9,561.47              | 15,227.26             | 9,745.25              | 45.42            | 96.00         | 116.53                | -5,704.02                           | -806.72      | 411.53                 | 280.77                  | 130.76                                                             | 3.147             |                    |  |           |
| 15,200.00                       | 9,560.32              | 15,327.22             | 9,746.77              | 46.08            | 97.59         | 116.87                | -5,803.97                           | -805.98      | 412.72                 | 280.03                  | 132.68                                                             | 3.111             |                    |  |           |
| 15,300.00                       | 9,559.18              | 15,427.18             | 9,748.30              | 46.74            | 99.17         | 117.20                | -5,903.92                           | -805.24      | 413.92                 | 279.32                  | 134.60                                                             | 3.075             |                    |  |           |
| 15,400.00                       | 9,558.04              | 15,527.15             | 9,749.83              | 47.41            | 100.76        | 117.53                | -6,003.87                           | -804.51      | 415.14                 | 278.62                  | 136.52                                                             | 3.041             |                    |  |           |
| 15,500.00                       | 9,556.90              | 15,627.11             | 9,751.36              | 48.08            | 102.35        | 117.85                | -6,103.82                           | -803.77      | 416.37                 | 277.93                  | 138.44                                                             | 3.008             |                    |  |           |
| 15,600.00                       | 9,555.76              | 15,727.08             | 9,752.88              | 48.75            | 103.95        | 118.18                | -6,203.77                           | -803.03      | 417.61                 | 277.27                  | 140.35                                                             | 2.976             |                    |  |           |
| 15,700.00                       | 9,554.61              | 15,827.04             | 9,754.41              | 49.43            | 105.54        | 118.50                | -6,303.72                           | -802.29      | 418.87                 | 276.61                  | 142.26                                                             | 2.944             |                    |  |           |
| 15,800.00                       | 9,553.47              | 15,927.01             | 9,755.94              | 50.10            | 107.14        | 118.82                | -6,403.67                           | -801.55      | 420.14                 | 275.98                  | 144.16                                                             | 2.914             |                    |  |           |
| 15,900.00                       | 9,552.33              | 16,026.97             | 9,757.47              | 50.79            | 108.73        | 119.14                | -6,503.62                           | -800.82      | 421.43                 | 275.36                  | 146.06                                                             | 2.885             |                    |  |           |
| 16,000.00                       | 9,551.19              | 16,126.93             | 9,758.99              | 51.47            | 110.33        | 119.46                | -6,603.57                           | -800.08      | 422.72                 | 274.76                  | 147.96                                                             | 2.857             |                    |  |           |
| 16,100.00                       | 9,550.05              | 16,226.90             | 9,760.52              | 52.15            | 111.93        | 119.77                | -6,703.52                           | -799.34      | 424.03                 | 274.18                  | 149.85                                                             | 2.830             |                    |  |           |
| 16,200.00                       | 9,548.90              | 16,326.86             | 9,762.05              | 52.84            | 113.53        | 120.08                | -6,803.47                           | -798.60      | 425.35                 | 273.61                  | 151.74                                                             | 2.803             |                    |  |           |
| 16,300.00                       | 9,547.76              | 16,426.83             | 9,763.58              | 53.53            | 115.13        | 120.39                | -6,903.42                           | -797.87      | 426.69                 | 273.06                  | 153.63                                                             | 2.777             |                    |  |           |
| 16,400.00                       | 9,546.62              | 16,526.79             | 9,765.10              | 54.22            | 116.73        | 120.70                | -7,003.37                           | -797.13      | 428.04                 | 272.53                  | 155.51                                                             | 2.752             |                    |  |           |
| 16,500.00                       | 9,545.48              | 16,626.76             | 9,766.63              | 54.92            | 118.34        | 121.01                | -7,103.32                           | -796.39      | 429.40                 | 272.01                  | 157.39                                                             | 2.728             |                    |  |           |
| 16,600.00                       | 9,544.33              | 16,726.72             | 9,768.16              | 55.61            | 119.94        | 121.32                | -7,203.27                           | -795.65      | 430.77                 | 271.51                  | 159.26                                                             | 2.705             |                    |  |           |
| 16,700.00                       | 9,543.19              | 16,826.68             | 9,769.69              | 56.31            | 121.55        | 121.62                | -7,303.22                           | -794.91      | 432.15                 | 271.02                  | 161.13                                                             | 2.682             |                    |  |           |
| 16,800.00                       | 9,542.05              | 16,926.65             | 9,771.21              | 57.01            | 123.15        | 121.92                | -7,403.17                           | -794.18      | 433.55                 | 270.55                  | 163.00                                                             | 2.660             |                    |  |           |
| 16,900.00                       | 9,540.91              | 17,026.61             | 9,772.74              | 57.71            | 124.76        | 122.22                | -7,503.12                           | -793.44      | 434.96                 | 270.10                  | 164.86                                                             | 2.638             |                    |  |           |
| 16,979.53                       | 9,540.00              | 17,106.11             | 9,773.96              | 58.27            | 126.04        | 122.46                | -7,582.61                           | -792.85      | 436.09                 | 269.75                  | 166.33                                                             | 2.622 SF          |                    |  |           |

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit Sec 22-27 Trac Pad - Thistle Unit 116H - OH - Plan #2 |                             |                             |                             |                     |                  |                             |                                           |                 |                              |                               |                                 |                      | Offset Site Error: | 0.00 usft |
|----------------------------------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|-----------------------------|-------------------------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|----------------------|--------------------|-----------|
| Survey Program: O-LEAM MWD+HDGM                                                  |                             |                             |                             |                     |                  |                             |                                           |                 |                              |                               |                                 |                      | Offset Well Error: | 0.00 usft |
| Reference                                                                        |                             | Offset                      |                             | Semi Major Axis     |                  | Highside<br>Toolface<br>(°) | Distance                                  |                 | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning            |           |
| Measured<br>Depth<br>(usft)                                                      | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | Offset Wellbore Centre<br>+N/-S<br>(usft) | +E/-W<br>(usft) |                              |                               |                                 |                      |                    |           |
| 0.00                                                                             | 0.00                        | 0.00                        | 0.00                        | 0.00                | 0.00             | 89.70                       | 0.31                                      | 60.00           | 60.00                        |                               |                                 |                      |                    |           |
| 100.00                                                                           | 100.00                      | 100.00                      | 100.00                      | 0.09                | 0.09             | 89.70                       | 0.31                                      | 60.00           | 60.00                        | 59.83                         | 0.17                            | 348.951              |                    |           |
| 200.00                                                                           | 200.00                      | 200.00                      | 200.00                      | 0.31                | 0.31             | 89.70                       | 0.31                                      | 60.00           | 60.00                        | 59.38                         | 0.62                            | 96.545               |                    |           |
| 300.00                                                                           | 300.00                      | 300.00                      | 300.00                      | 0.54                | 0.54             | 89.70                       | 0.31                                      | 60.00           | 60.00                        | 58.93                         | 1.07                            | 56.023               |                    |           |
| 400.00                                                                           | 400.00                      | 400.00                      | 400.00                      | 0.76                | 0.76             | 89.70                       | 0.31                                      | 60.00           | 60.00                        | 58.48                         | 1.52                            | 39.460               |                    |           |
| 500.00                                                                           | 500.00                      | 500.00                      | 500.00                      | 0.99                | 0.99             | 89.70                       | 0.31                                      | 60.00           | 60.00                        | 58.03                         | 1.97                            | 30.456               |                    |           |
| 600.00                                                                           | 600.00                      | 600.00                      | 600.00                      | 1.21                | 1.21             | 89.70                       | 0.31                                      | 60.00           | 60.00                        | 57.58                         | 2.42                            | 24.798               |                    |           |
| 700.00                                                                           | 700.00                      | 700.00                      | 700.00                      | 1.43                | 1.43             | 89.70                       | 0.31                                      | 60.00           | 60.00                        | 57.13                         | 2.87                            | 20.912               |                    |           |
| 800.00                                                                           | 800.00                      | 800.00                      | 800.00                      | 1.66                | 1.66             | 89.70                       | 0.31                                      | 60.00           | 60.00                        | 56.68                         | 3.32                            | 18.080               |                    |           |
| 900.00                                                                           | 900.00                      | 900.00                      | 900.00                      | 1.88                | 1.88             | 89.70                       | 0.31                                      | 60.00           | 60.00                        | 56.23                         | 3.77                            | 15.923               |                    |           |
| 1,000.00                                                                         | 1,000.00                    | 1,000.00                    | 1,000.00                    | 2.11                | 2.11             | 89.70                       | 0.31                                      | 60.00           | 60.00                        | 55.78                         | 4.22                            | 14.226               |                    |           |
| 1,100.00                                                                         | 1,100.00                    | 1,100.00                    | 1,100.00                    | 2.33                | 2.33             | 89.70                       | 0.31                                      | 60.00           | 60.00                        | 55.33                         | 4.67                            | 12.856               |                    |           |
| 1,200.00                                                                         | 1,200.00                    | 1,200.00                    | 1,200.00                    | 2.56                | 2.56             | 89.70                       | 0.31                                      | 60.00           | 60.00                        | 54.88                         | 5.12                            | 11.726               |                    |           |
| 1,300.00                                                                         | 1,300.00                    | 1,300.00                    | 1,300.00                    | 2.78                | 2.78             | 89.70                       | 0.31                                      | 60.00           | 60.00                        | 54.43                         | 5.57                            | 10.779               |                    |           |
| 1,400.00                                                                         | 1,400.00                    | 1,400.00                    | 1,400.00                    | 3.01                | 3.01             | 89.70                       | 0.31                                      | 60.00           | 60.00                        | 53.98                         | 6.02                            | 9.974                |                    |           |
| 1,500.00                                                                         | 1,500.00                    | 1,500.00                    | 1,500.00                    | 3.23                | 3.23             | 89.70                       | 0.31                                      | 60.00           | 60.00                        | 53.54                         | 6.47                            | 9.280                |                    |           |
| 1,600.00                                                                         | 1,600.00                    | 1,600.00                    | 1,600.00                    | 3.46                | 3.46             | 89.70                       | 0.31                                      | 60.00           | 60.00                        | 53.09                         | 6.91                            | 8.677                |                    |           |
| 1,700.00                                                                         | 1,700.00                    | 1,700.00                    | 1,700.00                    | 3.68                | 3.68             | 89.70                       | 0.31                                      | 60.00           | 60.00                        | 52.64                         | 7.36                            | 8.147                |                    |           |
| 1,800.00                                                                         | 1,800.00                    | 1,800.00                    | 1,800.00                    | 3.91                | 3.91             | 89.70                       | 0.31                                      | 60.00           | 60.00                        | 52.19                         | 7.81                            | 7.679                |                    |           |
| 1,900.00                                                                         | 1,900.00                    | 1,900.00                    | 1,900.00                    | 4.13                | 4.13             | 89.70                       | 0.31                                      | 60.00           | 60.00                        | 51.74                         | 8.26                            | 7.261                |                    |           |
| 2,000.00                                                                         | 2,000.00                    | 2,000.00                    | 2,000.00                    | 4.36                | 4.36             | 89.70                       | 0.31                                      | 60.00           | 60.00                        | 51.29                         | 8.71                            | 6.886                |                    |           |
| 2,100.00                                                                         | 2,100.00                    | 2,100.00                    | 2,100.00                    | 4.58                | 4.58             | 89.70                       | 0.31                                      | 60.00           | 60.00                        | 50.84                         | 9.16                            | 6.548                |                    |           |
| 2,200.00                                                                         | 2,200.00                    | 2,200.00                    | 2,200.00                    | 4.81                | 4.81             | 89.70                       | 0.31                                      | 60.00           | 60.00                        | 50.39                         | 9.61                            | 6.242                |                    |           |
| 2,300.00                                                                         | 2,300.00                    | 2,300.00                    | 2,300.00                    | 5.03                | 5.03             | 89.70                       | 0.31                                      | 60.00           | 60.00                        | 49.94                         | 10.06                           | 5.963                |                    |           |
| 2,400.00                                                                         | 2,400.00                    | 2,400.00                    | 2,400.00                    | 5.26                | 5.26             | 89.70                       | 0.31                                      | 60.00           | 60.00                        | 49.49                         | 10.51                           | 5.708                |                    |           |
| 2,500.00                                                                         | 2,500.00                    | 2,500.00                    | 2,500.00                    | 5.48                | 5.48             | 89.70                       | 0.31                                      | 60.00           | 60.00                        | 49.04                         | 10.96                           | 5.474                |                    |           |
| 2,600.00                                                                         | 2,600.00                    | 2,600.00                    | 2,600.00                    | 5.71                | 5.71             | 89.70                       | 0.31                                      | 60.00           | 60.00                        | 48.59                         | 11.41                           | 5.259                |                    |           |
| 2,700.00                                                                         | 2,700.00                    | 2,700.00                    | 2,700.00                    | 5.93                | 5.93             | 89.70                       | 0.31                                      | 60.00           | 60.00                        | 48.14                         | 11.86                           | 5.059                |                    |           |
| 2,800.00                                                                         | 2,800.00                    | 2,800.00                    | 2,800.00                    | 6.15                | 6.15             | 89.70                       | 0.31                                      | 60.00           | 60.00                        | 47.69                         | 12.31                           | 4.874                |                    |           |
| 2,900.00                                                                         | 2,900.00                    | 2,900.00                    | 2,900.00                    | 6.38                | 6.38             | 89.70                       | 0.31                                      | 60.00           | 60.00                        | 47.24                         | 12.76                           | 4.703                |                    |           |
| 3,000.00                                                                         | 3,000.00                    | 3,000.00                    | 3,000.00                    | 6.60                | 6.60             | 89.70                       | 0.31                                      | 60.00           | 60.00                        | 46.79                         | 13.21                           | 4.543 CC, ES         |                    |           |
| 3,100.00                                                                         | 3,099.99                    | 3,099.99                    | 3,099.99                    | 6.81                | 6.83             | 179.71                      | 0.31                                      | 60.00           | 60.87                        | 47.23                         | 13.64                           | 4.462                |                    |           |
| 3,200.00                                                                         | 3,199.96                    | 3,199.96                    | 3,199.96                    | 7.01                | 7.05             | 179.72                      | 0.31                                      | 60.00           | 63.49                        | 49.43                         | 14.07                           | 4.514                |                    |           |
| 3,300.00                                                                         | 3,299.86                    | 3,299.86                    | 3,299.86                    | 7.21                | 7.28             | 179.74                      | 0.31                                      | 60.00           | 67.85                        | 53.36                         | 14.49                           | 4.683                |                    |           |
| 3,400.00                                                                         | 3,399.68                    | 3,399.68                    | 3,399.68                    | 7.42                | 7.50             | 179.76                      | 0.31                                      | 60.00           | 73.96                        | 59.04                         | 14.91                           | 4.959                |                    |           |
| 3,500.00                                                                         | 3,499.37                    | 3,499.37                    | 3,499.37                    | 7.63                | 7.73             | 179.78                      | 0.31                                      | 60.00           | 81.80                        | 66.46                         | 15.34                           | 5.333                |                    |           |
| 3,525.23                                                                         | 3,524.50                    | 3,524.50                    | 3,524.50                    | 7.68                | 7.78             | 179.79                      | 0.31                                      | 60.00           | 84.06                        | 68.61                         | 15.45                           | 5.441                |                    |           |
| 3,600.00                                                                         | 3,598.95                    | 3,598.95                    | 3,598.95                    | 7.84                | 7.95             | 179.80                      | 0.31                                      | 60.00           | 90.90                        | 75.14                         | 15.77                           | 5.765                |                    |           |
| 3,700.00                                                                         | 3,698.53                    | 3,698.53                    | 3,698.53                    | 8.06                | 8.17             | 179.82                      | 0.31                                      | 60.00           | 100.06                       | 83.86                         | 16.20                           | 6.178                |                    |           |
| 3,800.00                                                                         | 3,798.11                    | 3,798.11                    | 3,798.11                    | 8.28                | 8.40             | 179.84                      | 0.31                                      | 60.00           | 109.21                       | 92.59                         | 16.62                           | 6.569                |                    |           |
| 3,900.00                                                                         | 3,897.69                    | 3,897.69                    | 3,897.69                    | 8.50                | 8.62             | 179.85                      | 0.31                                      | 60.00           | 118.36                       | 101.31                        | 17.06                           | 6.940                |                    |           |
| 4,000.00                                                                         | 3,997.27                    | 3,997.27                    | 3,997.27                    | 8.73                | 8.85             | 179.86                      | 0.31                                      | 60.00           | 127.52                       | 110.03                        | 17.49                           | 7.292                |                    |           |
| 4,100.00                                                                         | 4,096.85                    | 4,096.75                    | 4,096.74                    | 8.96                | 9.07             | 179.66                      | 0.81                                      | 59.31           | 136.00                       | 118.08                        | 17.92                           | 7.589                |                    |           |
| 4,200.00                                                                         | 4,196.43                    | 4,200.48                    | 4,200.44                    | 9.19                | 9.29             | 179.05                      | 2.36                                      | 57.16           | 143.06                       | 124.72                        | 18.34                           | 7.799                |                    |           |
| 4,300.00                                                                         | 4,296.01                    | 4,302.36                    | 4,302.22                    | 9.42                | 9.51             | 178.08                      | 4.98                                      | 53.54           | 148.73                       | 129.96                        | 18.77                           | 7.925                |                    |           |
| 4,400.00                                                                         | 4,395.59                    | 4,404.31                    | 4,403.97                    | 9.65                | 9.73             | 176.75                      | 8.66                                      | 48.44           | 153.05                       | 133.87                        | 19.19                           | 7.976                |                    |           |
| 4,500.00                                                                         | 4,495.17                    | 4,506.28                    | 4,505.62                    | 9.89                | 9.95             | 175.07                      | 13.41                                     | 41.88           | 156.10                       | 136.49                        | 19.61                           | 7.960                |                    |           |
| 4,600.00                                                                         | 4,594.75                    | 4,607.94                    | 4,606.80                    | 10.13               | 10.18            | 173.03                      | 19.18                                     | 33.90           | 157.97                       | 137.93                        | 20.04                           | 7.884                |                    |           |
| 4,700.00                                                                         | 4,694.33                    | 4,707.75                    | 4,706.08                    | 10.37               | 10.40            | 170.89                      | 25.25                                     | 25.50           | 159.55                       | 139.07                        | 20.48                           | 7.791                |                    |           |
| 4,800.00                                                                         | 4,793.91                    | 4,807.57                    | 4,805.35                    | 10.61               | 10.63            | 168.80                      | 31.32                                     | 17.10           | 161.34                       | 140.42                        | 20.92                           | 7.712                |                    |           |
| 4,900.00                                                                         | 4,893.49                    | 4,907.38                    | 4,904.62                    | 10.85               | 10.86            | 166.76                      | 37.39                                     | 8.71            | 163.34                       | 141.97                        | 21.37                           | 7.644                |                    |           |
| 5,000.00                                                                         | 4,993.07                    | 5,007.19                    | 5,003.89                    | 11.09               | 11.09            | 164.78                      | 43.46                                     | 0.31            | 165.54                       | 143.72                        | 21.82                           | 7.586                |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit Sec 22-27 Trac Pad - Thistle Unit 116H - OH - Plan #2 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.00 usft |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 0-LEAM MWD+HDGM                                                  |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.00 usft |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               | Distance              |                                     |              |                        |                         |                           |                   |                    | Warning   |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (") | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |           |
| 5,100.00                                                                         | 5,092.65              | 5,107.00              | 5,103.17              | 11.34            | 11.33         | 162.84                | 49.53                               | -8.09        | 167.94                 | 145.67                  | 22.28                     | 7.538             |                    |           |
| 5,200.00                                                                         | 5,192.23              | 5,206.81              | 5,202.44              | 11.58            | 11.56         | 160.96                | 55.60                               | -16.48       | 170.53                 | 147.79                  | 22.74                     | 7.499             |                    |           |
| 5,300.00                                                                         | 5,291.81              | 5,306.63              | 5,301.71              | 11.83            | 11.80         | 159.14                | 61.67                               | -24.88       | 173.29                 | 150.09                  | 23.20                     | 7.468             |                    |           |
| 5,400.00                                                                         | 5,391.39              | 5,406.44              | 5,400.99              | 12.08            | 12.04         | 157.38                | 67.74                               | -33.27       | 176.22                 | 152.55                  | 23.67                     | 7.444             |                    |           |
| 5,500.00                                                                         | 5,490.97              | 5,506.25              | 5,500.26              | 12.33            | 12.28         | 155.68                | 73.81                               | -41.67       | 179.32                 | 155.17                  | 24.15                     | 7.426             |                    |           |
| 5,600.00                                                                         | 5,590.55              | 5,606.06              | 5,599.53              | 12.58            | 12.53         | 154.04                | 79.88                               | -50.07       | 182.57                 | 157.94                  | 24.62                     | 7.414             |                    |           |
| 5,700.00                                                                         | 5,690.13              | 5,705.88              | 5,698.81              | 12.83            | 12.77         | 152.45                | 85.95                               | -58.46       | 185.96                 | 160.85                  | 25.11                     | 7.407             |                    |           |
| 5,800.00                                                                         | 5,789.71              | 5,805.69              | 5,798.08              | 13.08            | 13.02         | 150.93                | 92.02                               | -66.86       | 189.49                 | 163.90                  | 25.59                     | 7.404             |                    |           |
| 5,900.00                                                                         | 5,889.29              | 5,905.50              | 5,897.35              | 13.33            | 13.26         | 149.46                | 98.09                               | -75.26       | 193.15                 | 167.07                  | 26.08                     | 7.406             |                    |           |
| 6,000.00                                                                         | 5,988.87              | 6,004.89              | 5,996.22              | 13.58            | 13.50         | 148.07                | 104.08                              | -83.54       | 196.96                 | 170.40                  | 26.56                     | 7.415             |                    |           |
| 6,100.00                                                                         | 6,088.45              | 6,103.47              | 6,094.39              | 13.84            | 13.69         | 147.10                | 109.26                              | -90.71       | 201.37                 | 174.37                  | 27.00                     | 7.458             |                    |           |
| 6,200.00                                                                         | 6,188.03              | 6,202.06              | 6,192.73              | 14.09            | 13.88         | 146.61                | 113.44                              | -96.50       | 206.44                 | 179.01                  | 27.43                     | 7.525             |                    |           |
| 6,300.00                                                                         | 6,287.61              | 6,300.00              | 6,290.51              | 14.34            | 14.07         | 146.57                | 116.62                              | -100.90      | 212.13                 | 184.27                  | 27.85                     | 7.616             |                    |           |
| 6,400.00                                                                         | 6,387.19              | 6,399.09              | 6,389.53              | 14.60            | 14.25         | 146.96                | 118.84                              | -103.97      | 218.43                 | 190.16                  | 28.26                     | 7.728             |                    |           |
| 6,500.00                                                                         | 6,486.77              | 6,497.40              | 6,487.82              | 14.85            | 14.43         | 147.72                | 120.05                              | -105.64      | 225.37                 | 196.71                  | 28.66                     | 7.863             |                    |           |
| 6,600.00                                                                         | 6,586.35              | 6,595.94              | 6,586.35              | 15.11            | 14.61         | 148.80                | 120.31                              | -106.00      | 232.99                 | 203.94                  | 29.06                     | 8.018             |                    |           |
| 6,700.00                                                                         | 6,685.93              | 6,695.52              | 6,685.93              | 15.37            | 14.83         | 149.93                | 120.31                              | -106.00      | 240.88                 | 211.39                  | 29.49                     | 8.169             |                    |           |
| 6,800.00                                                                         | 6,785.51              | 6,795.10              | 6,785.51              | 15.62            | 15.05         | 150.99                | 120.31                              | -106.00      | 248.85                 | 218.93                  | 29.92                     | 8.317             |                    |           |
| 6,900.00                                                                         | 6,885.09              | 6,894.68              | 6,885.09              | 15.88            | 15.27         | 151.98                | 120.31                              | -106.00      | 256.90                 | 226.55                  | 30.35                     | 8.464             |                    |           |
| 7,000.00                                                                         | 6,984.68              | 6,994.26              | 6,984.68              | 16.14            | 15.48         | 152.90                | 120.31                              | -106.00      | 265.03                 | 234.24                  | 30.79                     | 8.608             |                    |           |
| 7,100.00                                                                         | 7,084.26              | 7,093.84              | 7,084.26              | 16.40            | 15.70         | 153.78                | 120.31                              | -106.00      | 273.21                 | 241.99                  | 31.22                     | 8.750             |                    |           |
| 7,200.00                                                                         | 7,183.84              | 7,193.42              | 7,183.84              | 16.66            | 15.92         | 154.60                | 120.31                              | -106.00      | 281.46                 | 249.80                  | 31.66                     | 8.890             |                    |           |
| 7,300.00                                                                         | 7,283.42              | 7,293.00              | 7,283.42              | 16.91            | 16.14         | 155.38                | 120.31                              | -106.00      | 289.76                 | 257.67                  | 32.10                     | 9.028             |                    |           |
| 7,400.00                                                                         | 7,383.00              | 7,392.58              | 7,383.00              | 17.17            | 16.36         | 156.11                | 120.31                              | -106.00      | 298.12                 | 265.58                  | 32.53                     | 9.163             |                    |           |
| 7,500.00                                                                         | 7,482.58              | 7,492.16              | 7,482.58              | 17.43            | 16.57         | 156.80                | 120.31                              | -106.00      | 306.51                 | 273.54                  | 32.97                     | 9.296             |                    |           |
| 7,600.00                                                                         | 7,582.16              | 7,591.74              | 7,582.16              | 17.69            | 16.79         | 157.46                | 120.31                              | -106.00      | 314.95                 | 281.54                  | 33.41                     | 9.426             |                    |           |
| 7,700.00                                                                         | 7,681.74              | 7,691.32              | 7,681.74              | 17.95            | 17.01         | 158.08                | 120.31                              | -106.00      | 323.43                 | 289.58                  | 33.85                     | 9.554             |                    |           |
| 7,800.00                                                                         | 7,781.32              | 7,790.90              | 7,781.32              | 18.21            | 17.23         | 158.67                | 120.31                              | -106.00      | 331.95                 | 297.65                  | 34.29                     | 9.680             |                    |           |
| 7,900.00                                                                         | 7,880.90              | 7,890.48              | 7,880.90              | 18.47            | 17.45         | 159.23                | 120.31                              | -106.00      | 340.50                 | 305.76                  | 34.73                     | 9.803             |                    |           |
| 8,000.00                                                                         | 7,980.48              | 7,990.06              | 7,980.48              | 18.73            | 17.67         | 159.76                | 120.31                              | -106.00      | 349.07                 | 313.90                  | 35.18                     | 9.924             |                    |           |
| 8,100.00                                                                         | 8,080.06              | 8,089.64              | 8,080.06              | 19.00            | 17.89         | 160.27                | 120.31                              | -106.00      | 357.68                 | 322.06                  | 35.62                     | 10.042            |                    |           |
| 8,200.00                                                                         | 8,179.64              | 8,189.22              | 8,179.64              | 19.26            | 18.11         | 160.75                | 120.31                              | -106.00      | 366.32                 | 330.25                  | 36.06                     | 10.158            |                    |           |
| 8,243.13                                                                         | 8,222.58              | 8,232.17              | 8,222.58              | 19.37            | 18.20         | 160.95                | 120.31                              | -106.00      | 370.05                 | 333.79                  | 36.25                     | 10.208            |                    |           |
| 8,300.00                                                                         | 8,279.24              | 8,288.83              | 8,279.24              | 19.50            | 18.33         | 161.21                | 120.31                              | -106.00      | 374.71                 | 338.21                  | 36.49                     | 10.268            |                    |           |
| 8,400.00                                                                         | 8,378.97              | 8,388.56              | 8,378.97              | 19.70            | 18.55         | 161.59                | 120.31                              | -106.00      | 381.62                 | 344.72                  | 36.90                     | 10.342            |                    |           |
| 8,500.00                                                                         | 8,478.82              | 8,488.40              | 8,478.82              | 19.89            | 18.77         | 161.86                | 120.31                              | -106.00      | 386.90                 | 349.59                  | 37.31                     | 10.371            |                    |           |
| 8,600.00                                                                         | 8,578.74              | 8,588.33              | 8,578.74              | 20.08            | 18.99         | 162.05                | 120.31                              | -106.00      | 390.52                 | 352.81                  | 37.71                     | 10.355            |                    |           |
| 8,700.00                                                                         | 8,678.72              | 8,688.31              | 8,678.72              | 20.26            | 19.21         | 162.15                | 120.31                              | -106.00      | 392.49                 | 354.37                  | 38.12                     | 10.296            |                    |           |
| 8,768.36                                                                         | 8,747.08              | 8,756.66              | 8,747.08              | 20.38            | 19.36         | 162.17                | 120.31                              | -106.00      | 392.87                 | 354.48                  | 38.40                     | 10.232            |                    |           |
| 8,800.00                                                                         | 8,778.72              | 8,788.30              | 8,778.72              | 20.44            | 19.43         | 162.17                | 120.31                              | -106.00      | 392.87                 | 354.34                  | 38.53                     | 10.197            |                    |           |
| 8,900.00                                                                         | 8,878.72              | 8,888.30              | 8,878.72              | 20.64            | 19.65         | 162.17                | 120.31                              | -106.00      | 392.87                 | 353.91                  | 38.96                     | 10.084            |                    |           |
| 9,000.00                                                                         | 8,978.72              | 8,988.30              | 8,978.72              | 20.84            | 19.87         | 162.17                | 120.31                              | -106.00      | 392.87                 | 353.48                  | 39.39                     | 9.973             |                    |           |
| 9,068.36                                                                         | 9,047.08              | 9,056.66              | 9,047.08              | 20.97            | 20.02         | 162.17                | 120.31                              | -106.00      | 392.87                 | 353.19                  | 39.69                     | 9.899             |                    |           |
| 9,100.00                                                                         | 9,078.70              | 9,088.29              | 9,078.70              | 21.03            | 20.09         | -107.51               | 120.31                              | -106.00      | 393.14                 | 353.32                  | 39.82                     | 9.872             |                    |           |
| 9,150.00                                                                         | 9,128.44              | 9,138.03              | 9,128.44              | 21.12            | 20.20         | -108.05               | 120.31                              | -106.00      | 394.65                 | 354.62                  | 40.03                     | 9.859             |                    |           |
| 9,200.00                                                                         | 9,177.57              | 9,190.61              | 9,181.02              | 21.21            | 20.32         | -109.09               | 120.11                              | -106.00      | 397.59                 | 357.34                  | 40.25                     | 9.879             |                    |           |
| 9,250.00                                                                         | 9,225.69              | 9,235.17              | 9,245.33              | 21.30            | 20.42         | -110.44               | 114.80                              | -105.96      | 400.86                 | 360.42                  | 40.44                     | 9.913             |                    |           |
| 9,300.00                                                                         | 9,272.46              | 9,321.39              | 9,310.24              | 21.40            | 20.53         | -111.61               | 101.87                              | -105.86      | 403.83                 | 363.29                  | 40.54                     | 9.961             |                    |           |
| 9,350.00                                                                         | 9,317.51              | 9,389.08              | 9,374.60              | 21.49            | 20.62         | -112.56               | 81.01                               | -105.71      | 406.37                 | 365.82                  | 40.56                     | 10.020            |                    |           |
| 9,400.00                                                                         | 9,360.51              | 9,458.01              | 9,437.13              | 21.59            | 20.72         | -113.29               | 52.13                               | -105.50      | 408.38                 | 367.89                  | 40.49                     | 10.085            |                    |           |
| 9,450.00                                                                         | 9,401.12              | 9,527.86              | 9,496.51              | 21.69            | 20.80         | -113.78               | 15.42                               | -105.22      | 409.76                 | 369.38                  | 40.38                     | 10.148            |                    |           |
| 9,500.00                                                                         | 9,439.03              | 9,598.28              | 9,551.40              | 21.80            | 20.89         | -114.02               | -28.62                              | -104.90      | 410.45                 | 370.19                  | 40.25                     | 10.197            |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit Sec 22-27 Trac Pad - Thistle Unit 116H - OH - Plan #2 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.00 usft |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|-----------|
| Survey Program: O-LEAM MWD+HDGM                                                  |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.00 usft |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               | Distance              |                                     |              |                        |                         |                           |                    |           |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  | Warning   |
| 9,550.00                                                                         | 9,473.97              | 9,668.88              | 9,600.59              | 21.91            | 20.97         | -114.01               | -79.19                              | -104.52      | 410.40                 | 370.23                  | 40.17                     | 10.216             |           |
| 9,600.00                                                                         | 9,505.65              | 9,739.24              | 9,643.07              | 22.04            | 21.08         | -113.73               | -135.24                             | -104.11      | 409.64                 | 369.44                  | 40.19                     | 10.191             |           |
| 9,650.00                                                                         | 9,533.84              | 9,809.00              | 9,678.08              | 22.18            | 21.23         | -113.21               | -195.51                             | -103.66      | 408.19                 | 367.82                  | 40.37                     | 10.112             |           |
| 9,700.00                                                                         | 9,558.33              | 9,877.79              | 9,705.19              | 22.35            | 21.44         | -112.45               | -258.69                             | -103.19      | 406.11                 | 365.39                  | 40.72                     | 9.972              |           |
| 9,750.00                                                                         | 9,578.93              | 9,945.31              | 9,724.26              | 22.54            | 21.70         | -111.47               | -323.42                             | -102.71      | 403.52                 | 362.24                  | 41.27                     | 9.777              |           |
| 9,800.00                                                                         | 9,595.48              | 10,011.32             | 9,735.41              | 22.75            | 22.00         | -110.28               | -388.45                             | -102.23      | 400.51                 | 358.51                  | 42.00                     | 9.536              |           |
| 9,850.00                                                                         | 9,607.86              | 10,074.65             | 9,739.03              | 22.99            | 22.33         | -108.93               | -451.64                             | -101.77      | 397.23                 | 354.37                  | 42.86                     | 9.268              |           |
| 9,900.00                                                                         | 9,615.96              | 10,124.03             | 9,739.41              | 23.25            | 22.62         | -108.12               | -501.02                             | -101.40      | 394.75                 | 351.15                  | 43.60                     | 9.054              |           |
| 9,950.00                                                                         | 9,619.74              | 10,173.90             | 9,739.79              | 23.55            | 22.92         | -107.75               | -550.88                             | -101.03      | 393.71                 | 349.43                  | 44.28                     | 8.892              |           |
| 9,963.69                                                                         | 9,620.02              | 10,187.60             | 9,739.90              | 23.63            | 23.01         | -107.73               | -564.58                             | -100.93      | 393.66                 | 349.20                  | 44.45                     | 8.856              |           |
| 9,974.90                                                                         | 9,620.00              | 10,198.81             | 9,739.98              | 23.70            | 23.08         | -107.74               | -575.79                             | -100.85      | 393.69                 | 349.10                  | 44.59                     | 8.829              |           |
| 10,000.00                                                                        | 9,619.71              | 10,223.90             | 9,740.18              | 27.27            | 23.26         | -107.81               | -600.88                             | -100.66      | 393.84                 | 349.00                  | 44.84                     | 8.782              |           |
| 10,100.00                                                                        | 9,618.57              | 10,323.88             | 9,740.95              | 27.34            | 23.99         | -108.07               | -700.85                             | -99.92       | 394.44                 | 348.91                  | 45.54                     | 8.662              |           |
| 10,200.00                                                                        | 9,617.43              | 10,423.86             | 9,741.72              | 27.41            | 24.81         | -108.33               | -800.83                             | -99.18       | 395.05                 | 348.72                  | 46.33                     | 8.527              |           |
| 10,300.00                                                                        | 9,616.29              | 10,523.84             | 9,742.49              | 27.49            | 25.71         | -108.60               | -900.80                             | -98.44       | 395.67                 | 348.45                  | 47.23                     | 8.378              |           |
| 10,400.00                                                                        | 9,615.15              | 10,623.82             | 9,743.26              | 27.57            | 26.68         | -108.86               | -1,000.78                           | -97.70       | 396.30                 | 348.09                  | 48.21                     | 8.220              |           |
| 10,500.00                                                                        | 9,614.00              | 10,723.81             | 9,744.03              | 27.66            | 27.71         | -109.12               | -1,100.76                           | -96.96       | 396.94                 | 347.66                  | 49.28                     | 8.055              |           |
| 10,600.00                                                                        | 9,612.86              | 10,823.79             | 9,744.80              | 27.74            | 28.80         | -109.38               | -1,200.73                           | -96.22       | 397.58                 | 347.16                  | 50.42                     | 7.885              |           |
| 10,700.00                                                                        | 9,611.72              | 10,923.77             | 9,745.57              | 27.83            | 29.94         | -109.64               | -1,300.71                           | -95.48       | 398.23                 | 346.60                  | 51.63                     | 7.713              |           |
| 10,800.00                                                                        | 9,610.58              | 11,023.75             | 9,746.34              | 27.92            | 31.12         | -109.90               | -1,400.68                           | -94.74       | 398.89                 | 345.98                  | 52.91                     | 7.539              |           |
| 10,900.00                                                                        | 9,609.44              | 11,123.73             | 9,747.12              | 28.02            | 32.35         | -110.15               | -1,500.66                           | -94.00       | 399.56                 | 345.32                  | 54.24                     | 7.366              |           |
| 11,000.00                                                                        | 9,608.29              | 11,223.71             | 9,747.89              | 28.12            | 33.61         | -110.41               | -1,600.64                           | -93.26       | 400.24                 | 344.61                  | 55.63                     | 7.195              |           |
| 11,100.00                                                                        | 9,607.15              | 11,323.70             | 9,748.66              | 28.22            | 34.90         | -110.67               | -1,700.61                           | -92.52       | 400.92                 | 343.86                  | 57.06                     | 7.026              |           |
| 11,200.00                                                                        | 9,606.01              | 11,423.68             | 9,749.43              | 28.32            | 36.21         | -110.92               | -1,800.59                           | -91.78       | 401.61                 | 343.07                  | 58.54                     | 6.860              |           |
| 11,300.00                                                                        | 9,604.87              | 11,523.66             | 9,750.20              | 28.43            | 37.56         | -111.17               | -1,900.56                           | -91.04       | 402.31                 | 342.25                  | 60.07                     | 6.698              |           |
| 11,400.00                                                                        | 9,603.72              | 11,623.64             | 9,750.97              | 28.55            | 38.92         | -111.43               | -2,000.54                           | -90.30       | 403.02                 | 341.40                  | 61.62                     | 6.540              |           |
| 11,500.00                                                                        | 9,602.58              | 11,723.62             | 9,751.74              | 28.67            | 40.31         | -111.68               | -2,100.52                           | -89.56       | 403.74                 | 340.52                  | 63.22                     | 6.387              |           |
| 11,600.00                                                                        | 9,601.44              | 11,823.60             | 9,752.51              | 28.80            | 41.71         | -111.93               | -2,200.49                           | -88.82       | 404.46                 | 339.62                  | 64.84                     | 6.238              |           |
| 11,700.00                                                                        | 9,600.30              | 11,923.59             | 9,753.28              | 28.93            | 43.13         | -112.18               | -2,300.47                           | -88.08       | 405.19                 | 338.69                  | 66.50                     | 6.093              |           |
| 11,800.00                                                                        | 9,599.16              | 12,023.57             | 9,754.05              | 29.08            | 44.57         | -112.43               | -2,400.44                           | -87.34       | 405.93                 | 337.75                  | 68.18                     | 5.954              |           |
| 11,900.00                                                                        | 9,598.01              | 12,123.55             | 9,754.82              | 29.24            | 46.02         | -112.68               | -2,500.42                           | -86.60       | 406.68                 | 336.79                  | 69.89                     | 5.819              |           |
| 12,000.00                                                                        | 9,596.87              | 12,223.53             | 9,755.60              | 29.42            | 47.48         | -112.92               | -2,600.40                           | -85.86       | 407.43                 | 335.81                  | 71.62                     | 5.689              |           |
| 12,100.00                                                                        | 9,595.73              | 12,323.51             | 9,756.37              | 29.62            | 48.96         | -113.17               | -2,700.37                           | -85.12       | 408.19                 | 334.82                  | 73.37                     | 5.564              |           |
| 12,200.00                                                                        | 9,594.59              | 12,423.49             | 9,757.14              | 29.85            | 50.44         | -113.42               | -2,800.35                           | -84.38       | 408.96                 | 333.82                  | 75.14                     | 5.443              |           |
| 12,300.00                                                                        | 9,593.45              | 12,523.48             | 9,757.91              | 30.10            | 51.93         | -113.66               | -2,900.32                           | -83.64       | 409.74                 | 332.81                  | 76.93                     | 5.326              |           |
| 12,400.00                                                                        | 9,592.30              | 12,623.46             | 9,758.68              | 30.40            | 53.43         | -113.91               | -3,000.30                           | -82.90       | 410.52                 | 331.79                  | 78.73                     | 5.214              |           |
| 12,500.00                                                                        | 9,591.16              | 12,723.44             | 9,759.45              | 30.73            | 54.94         | -114.15               | -3,100.27                           | -82.16       | 411.31                 | 330.76                  | 80.55                     | 5.106              |           |
| 12,600.00                                                                        | 9,590.02              | 12,823.42             | 9,760.22              | 31.09            | 56.46         | -114.39               | -3,200.25                           | -81.42       | 412.11                 | 329.72                  | 82.39                     | 5.002              |           |
| 12,700.00                                                                        | 9,588.88              | 12,923.40             | 9,760.99              | 31.49            | 57.98         | -114.63               | -3,300.23                           | -80.68       | 412.92                 | 328.68                  | 84.24                     | 4.902              |           |
| 12,800.00                                                                        | 9,587.73              | 13,023.38             | 9,761.76              | 31.93            | 59.51         | -114.87               | -3,400.20                           | -79.94       | 413.73                 | 327.63                  | 86.10                     | 4.805              |           |
| 12,900.00                                                                        | 9,586.59              | 13,123.37             | 9,762.53              | 32.38            | 61.05         | -115.11               | -3,500.18                           | -79.20       | 414.55                 | 326.58                  | 87.97                     | 4.712              |           |
| 13,000.00                                                                        | 9,585.45              | 13,223.35             | 9,763.30              | 32.87            | 62.59         | -115.35               | -3,600.15                           | -78.46       | 415.38                 | 325.53                  | 89.85                     | 4.623              |           |
| 13,100.00                                                                        | 9,584.31              | 13,323.33             | 9,764.07              | 33.37            | 64.13         | -115.59               | -3,700.13                           | -77.72       | 416.22                 | 324.48                  | 91.74                     | 4.537              |           |
| 13,200.00                                                                        | 9,583.17              | 13,423.31             | 9,764.85              | 33.88            | 65.68         | -115.82               | -3,800.11                           | -76.97       | 417.06                 | 323.42                  | 93.64                     | 4.454              |           |
| 13,300.00                                                                        | 9,582.02              | 13,523.29             | 9,765.62              | 34.42            | 67.23         | -116.06               | -3,900.08                           | -76.23       | 417.91                 | 322.36                  | 95.54                     | 4.374              |           |
| 13,400.00                                                                        | 9,580.88              | 13,623.27             | 9,766.39              | 34.96            | 68.79         | -116.29               | -4,000.06                           | -75.49       | 418.76                 | 321.31                  | 97.46                     | 4.297              |           |
| 13,500.00                                                                        | 9,579.74              | 13,723.26             | 9,767.16              | 35.52            | 70.35         | -116.52               | -4,100.03                           | -74.75       | 419.63                 | 320.25                  | 99.37                     | 4.223              |           |
| 13,600.00                                                                        | 9,578.60              | 13,823.24             | 9,767.93              | 36.09            | 71.92         | -116.76               | -4,200.01                           | -74.01       | 420.50                 | 319.20                  | 101.30                    | 4.151              |           |
| 13,700.00                                                                        | 9,577.46              | 13,923.22             | 9,768.70              | 36.67            | 73.49         | -116.99               | -4,299.99                           | -73.27       | 421.37                 | 318.15                  | 103.23                    | 4.082              |           |
| 13,800.00                                                                        | 9,576.31              | 14,023.20             | 9,769.47              | 37.25            | 75.06         | -117.22               | -4,399.96                           | -72.53       | 422.26                 | 317.10                  | 105.16                    | 4.015              |           |
| 13,900.00                                                                        | 9,575.17              | 14,123.18             | 9,770.24              | 37.84            | 76.63         | -117.45               | -4,499.94                           | -71.79       | 423.15                 | 316.05                  | 107.10                    | 3.951              |           |
| 14,000.00                                                                        | 9,574.03              | 14,223.16             | 9,771.01              | 38.45            | 78.21         | -117.68               | -4,599.91                           | -71.05       | 424.05                 | 315.01                  | 109.04                    | 3.889              |           |

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit Sec 22-27 Trac Pad - Thistle Unit 116H - OH - Plan #2 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: 0.00 usft |  |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|------------------------------|--|
| Survey Program: O-LEAM MWD+HDGM                                                  |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: 0.00 usft |  |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   |                              |  |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning                      |  |
| 14,100.00                                                                        | 9,572.89              | 14,323.15             | 9,771.78              | 39.05            | 79.79         | -117.90               | -4,699.89                           | -70.31       | 424.95                 | 313.97                  | 110.99                    | 3.829             |                              |  |
| 14,200.00                                                                        | 9,571.75              | 14,423.13             | 9,772.55              | 39.67            | 81.37         | -118.13               | -4,799.87                           | -69.57       | 425.86                 | 312.93                  | 112.93                    | 3.771             |                              |  |
| 14,300.00                                                                        | 9,570.60              | 14,523.11             | 9,773.32              | 40.29            | 82.95         | -118.36               | -4,899.84                           | -68.83       | 426.78                 | 311.90                  | 114.88                    | 3.715             |                              |  |
| 14,400.00                                                                        | 9,569.46              | 14,623.09             | 9,774.10              | 40.91            | 84.54         | -118.58               | -4,999.82                           | -68.09       | 427.70                 | 310.87                  | 116.83                    | 3.661             |                              |  |
| 14,500.00                                                                        | 9,568.32              | 14,723.07             | 9,774.87              | 41.54            | 86.12         | -118.80               | -5,099.79                           | -67.35       | 428.63                 | 309.85                  | 118.79                    | 3.608             |                              |  |
| 14,600.00                                                                        | 9,567.18              | 14,823.05             | 9,775.64              | 42.18            | 87.71         | -119.03               | -5,199.77                           | -66.61       | 429.57                 | 308.83                  | 120.74                    | 3.558             |                              |  |
| 14,700.00                                                                        | 9,566.03              | 14,923.04             | 9,776.41              | 42.82            | 89.31         | -119.25               | -5,299.75                           | -65.87       | 430.51                 | 307.82                  | 122.69                    | 3.509             |                              |  |
| 14,800.00                                                                        | 9,564.89              | 15,023.02             | 9,777.18              | 43.46            | 90.90         | -119.47               | -5,399.72                           | -65.13       | 431.47                 | 306.81                  | 124.65                    | 3.461             |                              |  |
| 14,900.00                                                                        | 9,563.75              | 15,123.00             | 9,777.95              | 44.11            | 92.49         | -119.69               | -5,499.70                           | -64.39       | 432.42                 | 305.82                  | 126.61                    | 3.415             |                              |  |
| 15,000.00                                                                        | 9,562.61              | 15,222.98             | 9,778.72              | 44.76            | 94.09         | -119.91               | -5,599.67                           | -63.65       | 433.38                 | 304.82                  | 128.56                    | 3.371             |                              |  |
| 15,100.00                                                                        | 9,561.47              | 15,322.96             | 9,779.49              | 45.42            | 95.69         | -120.13               | -5,699.65                           | -62.91       | 434.35                 | 303.83                  | 130.52                    | 3.328             |                              |  |
| 15,200.00                                                                        | 9,560.32              | 15,422.94             | 9,780.26              | 46.08            | 97.29         | -120.34               | -5,799.63                           | -62.17       | 435.33                 | 302.85                  | 132.47                    | 3.286             |                              |  |
| 15,300.00                                                                        | 9,559.18              | 15,522.93             | 9,781.03              | 46.74            | 98.89         | -120.56               | -5,899.60                           | -61.43       | 436.31                 | 301.88                  | 134.43                    | 3.246             |                              |  |
| 15,400.00                                                                        | 9,558.04              | 15,622.91             | 9,781.80              | 47.41            | 100.49        | -120.77               | -5,999.58                           | -60.69       | 437.30                 | 300.91                  | 136.38                    | 3.206             |                              |  |
| 15,500.00                                                                        | 9,556.90              | 15,722.89             | 9,782.57              | 48.08            | 102.09        | -120.99               | -6,099.55                           | -59.95       | 438.29                 | 299.95                  | 138.34                    | 3.168             |                              |  |
| 15,600.00                                                                        | 9,555.76              | 15,822.87             | 9,783.35              | 48.75            | 103.69        | -121.20               | -6,199.53                           | -59.21       | 439.29                 | 299.00                  | 140.29                    | 3.131             |                              |  |
| 15,700.00                                                                        | 9,554.61              | 15,922.85             | 9,784.12              | 49.43            | 105.30        | -121.41               | -6,299.51                           | -58.47       | 440.30                 | 298.05                  | 142.24                    | 3.095             |                              |  |
| 15,800.00                                                                        | 9,553.47              | 16,022.84             | 9,784.89              | 50.10            | 106.91        | -121.62               | -6,399.48                           | -57.73       | 441.31                 | 297.12                  | 144.19                    | 3.061             |                              |  |
| 15,900.00                                                                        | 9,552.33              | 16,122.82             | 9,785.66              | 50.79            | 108.51        | -121.83               | -6,499.46                           | -56.99       | 442.33                 | 296.18                  | 146.14                    | 3.027             |                              |  |
| 16,000.00                                                                        | 9,551.19              | 16,222.80             | 9,786.43              | 51.47            | 110.12        | -122.04               | -6,599.43                           | -56.25       | 443.35                 | 295.26                  | 148.09                    | 2.994             |                              |  |
| 16,100.00                                                                        | 9,550.05              | 16,322.78             | 9,787.20              | 52.15            | 111.73        | -122.25               | -6,699.41                           | -55.51       | 444.38                 | 294.34                  | 150.04                    | 2.962             |                              |  |
| 16,200.00                                                                        | 9,548.90              | 16,422.76             | 9,787.97              | 52.84            | 113.34        | -122.46               | -6,799.39                           | -54.77       | 445.42                 | 293.44                  | 151.98                    | 2.931             |                              |  |
| 16,300.00                                                                        | 9,547.76              | 16,522.74             | 9,788.74              | 53.53            | 114.95        | -122.66               | -6,899.36                           | -54.03       | 446.46                 | 292.54                  | 153.92                    | 2.901             |                              |  |
| 16,400.00                                                                        | 9,546.62              | 16,622.73             | 9,789.51              | 54.22            | 116.56        | -122.87               | -6,999.34                           | -53.29       | 447.50                 | 291.64                  | 155.86                    | 2.871             |                              |  |
| 16,500.00                                                                        | 9,545.48              | 16,722.71             | 9,790.28              | 54.92            | 118.17        | -123.07               | -7,099.31                           | -52.55       | 448.56                 | 290.76                  | 157.80                    | 2.843             |                              |  |
| 16,600.00                                                                        | 9,544.33              | 16,822.69             | 9,791.05              | 55.61            | 119.79        | -123.28               | -7,199.29                           | -51.81       | 449.62                 | 289.88                  | 159.74                    | 2.815             |                              |  |
| 16,700.00                                                                        | 9,543.19              | 16,922.67             | 9,791.82              | 56.31            | 121.40        | -123.48               | -7,299.27                           | -51.07       | 450.68                 | 289.01                  | 161.67                    | 2.788             |                              |  |
| 16,800.00                                                                        | 9,542.05              | 17,022.65             | 9,792.60              | 57.01            | 123.01        | -123.68               | -7,399.24                           | -50.33       | 451.75                 | 288.15                  | 163.60                    | 2.761             |                              |  |
| 16,900.00                                                                        | 9,540.91              | 17,122.63             | 9,793.37              | 57.71            | 124.63        | -123.88               | -7,499.22                           | -49.59       | 452.82                 | 287.30                  | 165.53                    | 2.736             |                              |  |
| 16,979.53                                                                        | 9,540.00              | 17,202.15             | 9,793.98              | 58.27            | 125.91        | -124.04               | -7,578.73                           | -49.00       | 453.68                 | 286.62                  | 167.06                    | 2.716 SF          |                              |  |



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit Sec 22-27 Trac Pad - Thistle Unit 127H - OH - Plan #2 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.00 usft |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 0-LEAM MWD+HDGM, 10515-MWD+IFR1+MS                               |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.00 usft |
| Reference                                                                        | Offset                |                       | Semi Major Axis       |                  | Distance      |                       | Minimum                             |              | Separation             |                         | Warning                   |                   |                    |           |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |           |
| 0.00                                                                             | 0.00                  | 0.00                  | 0.00                  | 0.00             | 0.00          | 89.73                 | 0.14                                | 30.01        | 30.01                  |                         |                           |                   |                    |           |
| 100.00                                                                           | 100.00                | 99.90                 | 99.90                 | 0.09             | 0.09          | 89.73                 | 0.14                                | 30.01        | 30.01                  | 29.84                   | 0.17                      | 174.621           |                    |           |
| 200.00                                                                           | 200.00                | 199.90                | 199.90                | 0.31             | 0.31          | 89.73                 | 0.14                                | 30.01        | 30.01                  | 29.39                   | 0.62                      | 48.306            |                    |           |
| 300.00                                                                           | 300.00                | 299.90                | 299.90                | 0.54             | 0.54          | 89.73                 | 0.14                                | 30.01        | 30.01                  | 28.94                   | 1.07                      | 28.026            |                    |           |
| 400.00                                                                           | 400.00                | 399.90                | 399.90                | 0.76             | 0.76          | 89.73                 | 0.14                                | 30.01        | 30.01                  | 28.49                   | 1.52                      | 19.740            |                    |           |
| 500.00                                                                           | 500.00                | 499.90                | 499.90                | 0.99             | 0.98          | 89.73                 | 0.14                                | 30.01        | 30.01                  | 28.04                   | 1.97                      | 15.235            |                    |           |
| 600.00                                                                           | 600.00                | 599.90                | 599.90                | 1.21             | 1.21          | 89.73                 | 0.14                                | 30.01        | 30.01                  | 27.59                   | 2.42                      | 12.404            |                    |           |
| 700.00                                                                           | 700.00                | 699.90                | 699.90                | 1.43             | 1.43          | 89.73                 | 0.14                                | 30.01        | 30.01                  | 27.14                   | 2.87                      | 10.461            |                    |           |
| 800.00                                                                           | 800.00                | 799.90                | 799.90                | 1.66             | 1.66          | 89.73                 | 0.14                                | 30.01        | 30.01                  | 26.69                   | 3.32                      | 9.043             |                    |           |
| 900.00                                                                           | 900.00                | 899.90                | 899.90                | 1.88             | 1.88          | 89.73                 | 0.14                                | 30.01        | 30.01                  | 26.24                   | 3.77                      | 7.965             |                    |           |
| 1,000.00                                                                         | 1,000.00              | 999.90                | 999.90                | 2.11             | 2.11          | 89.73                 | 0.14                                | 30.01        | 30.01                  | 25.79                   | 4.22                      | 7.116             |                    |           |
| 1,100.00                                                                         | 1,100.00              | 1,099.90              | 1,099.90              | 2.33             | 2.33          | 89.73                 | 0.14                                | 30.01        | 30.01                  | 25.34                   | 4.67                      | 6.430             |                    |           |
| 1,200.00                                                                         | 1,200.00              | 1,199.90              | 1,199.90              | 2.56             | 2.56          | 89.73                 | 0.14                                | 30.01        | 30.01                  | 24.89                   | 5.12                      | 5.865             |                    |           |
| 1,300.00                                                                         | 1,300.00              | 1,299.90              | 1,299.90              | 2.78             | 2.78          | 89.73                 | 0.14                                | 30.01        | 30.01                  | 24.44                   | 5.57                      | 5.392             |                    |           |
| 1,400.00                                                                         | 1,400.00              | 1,399.90              | 1,399.90              | 3.01             | 3.01          | 89.73                 | 0.14                                | 30.01        | 30.01                  | 23.99                   | 6.02                      | 4.989             |                    |           |
| 1,500.00                                                                         | 1,500.00              | 1,499.90              | 1,499.90              | 3.23             | 3.23          | 89.73                 | 0.14                                | 30.01        | 30.01                  | 23.55                   | 6.47                      | 4.642             |                    |           |
| 1,600.00                                                                         | 1,600.00              | 1,599.90              | 1,599.90              | 3.46             | 3.46          | 89.73                 | 0.14                                | 30.01        | 30.01                  | 23.10                   | 6.91                      | 4.340             |                    |           |
| 1,700.00                                                                         | 1,700.00              | 1,699.90              | 1,699.90              | 3.68             | 3.68          | 89.73                 | 0.14                                | 30.01        | 30.01                  | 22.65                   | 7.36                      | 4.075             |                    |           |
| 1,800.00                                                                         | 1,800.00              | 1,799.90              | 1,799.90              | 3.91             | 3.91          | 89.73                 | 0.14                                | 30.01        | 30.01                  | 22.20                   | 7.81                      | 3.841             |                    |           |
| 1,900.00                                                                         | 1,900.00              | 1,899.90              | 1,899.90              | 4.13             | 4.13          | 89.73                 | 0.14                                | 30.01        | 30.01                  | 21.75                   | 8.26                      | 3.632             |                    |           |
| 2,000.00                                                                         | 2,000.00              | 1,999.90              | 1,999.90              | 4.36             | 4.36          | 89.73                 | 0.14                                | 30.01        | 30.01                  | 21.30                   | 8.71                      | 3.444             |                    |           |
| 2,100.00                                                                         | 2,100.00              | 2,099.90              | 2,099.90              | 4.58             | 4.58          | 89.73                 | 0.14                                | 30.01        | 30.01                  | 20.85                   | 9.16                      | 3.275             |                    |           |
| 2,200.00                                                                         | 2,200.00              | 2,199.90              | 2,199.90              | 4.81             | 4.81          | 89.73                 | 0.14                                | 30.01        | 30.01                  | 20.40                   | 9.61                      | 3.122             |                    |           |
| 2,300.00                                                                         | 2,300.00              | 2,299.90              | 2,299.90              | 5.03             | 5.03          | 89.73                 | 0.14                                | 30.01        | 30.01                  | 19.95                   | 10.06                     | 2.983             |                    |           |
| 2,400.00                                                                         | 2,400.00              | 2,399.90              | 2,399.90              | 5.26             | 5.26          | 89.73                 | 0.14                                | 30.01        | 30.01                  | 19.50                   | 10.51                     | 2.855             |                    |           |
| 2,500.00                                                                         | 2,500.00              | 2,499.90              | 2,499.90              | 5.48             | 5.48          | 89.73                 | 0.14                                | 30.01        | 30.01                  | 19.05                   | 10.96                     | 2.738             |                    |           |
| 2,600.00                                                                         | 2,600.00              | 2,599.90              | 2,599.90              | 5.71             | 5.70          | 89.73                 | 0.14                                | 30.01        | 30.01                  | 18.60                   | 11.41                     | 2.630             |                    |           |
| 2,700.00                                                                         | 2,700.00              | 2,699.90              | 2,699.90              | 5.93             | 5.93          | 89.73                 | 0.14                                | 30.01        | 30.01                  | 18.15                   | 11.86                     | 2.530             |                    |           |
| 2,800.00                                                                         | 2,800.00              | 2,799.90              | 2,799.90              | 6.15             | 6.15          | 89.73                 | 0.14                                | 30.01        | 30.01                  | 17.70                   | 12.31                     | 2.438             |                    |           |
| 2,900.00                                                                         | 2,900.00              | 2,899.90              | 2,899.90              | 6.38             | 6.38          | 89.73                 | 0.14                                | 30.01        | 30.01                  | 17.25                   | 12.76                     | 2.352             |                    |           |
| 3,000.00                                                                         | 3,000.00              | 2,999.90              | 2,999.90              | 6.60             | 6.60          | 89.73                 | 0.14                                | 30.01        | 30.01                  | 16.80                   | 13.21                     | 2.272 CC, ES      |                    |           |
| 3,100.00                                                                         | 3,099.99              | 3,099.89              | 3,099.89              | 6.81             | 6.83          | 179.74                | 0.14                                | 30.01        | 30.88                  | 17.24                   | 13.64                     | 2.264 SF          |                    |           |
| 3,200.00                                                                         | 3,199.96              | 3,199.86              | 3,199.86              | 7.01             | 7.05          | 179.76                | 0.14                                | 30.01        | 33.50                  | 19.44                   | 14.06                     | 2.382             |                    |           |
| 3,300.00                                                                         | 3,299.86              | 3,299.76              | 3,299.76              | 7.21             | 7.28          | 179.79                | 0.14                                | 30.01        | 37.86                  | 23.37                   | 14.49                     | 2.613             |                    |           |
| 3,400.00                                                                         | 3,399.68              | 3,399.58              | 3,399.58              | 7.42             | 7.50          | 179.82                | 0.14                                | 30.01        | 43.97                  | 29.05                   | 14.91                     | 2.948             |                    |           |
| 3,500.00                                                                         | 3,499.37              | 3,499.27              | 3,499.27              | 7.63             | 7.73          | 179.84                | 0.14                                | 30.01        | 51.81                  | 36.47                   | 15.34                     | 3.378             |                    |           |
| 3,525.23                                                                         | 3,524.50              | 3,524.62              | 3,524.62              | 7.68             | 7.78          | 179.84                | 0.15                                | 29.96        | 54.02                  | 38.57                   | 15.45                     | 3.497             |                    |           |
| 3,600.00                                                                         | 3,598.95              | 3,599.87              | 3,599.87              | 7.84             | 7.94          | 179.67                | 0.34                                | 29.16        | 60.07                  | 44.32                   | 15.76                     | 3.813             |                    |           |
| 3,700.00                                                                         | 3,698.53              | 3,700.74              | 3,700.69              | 8.06             | 8.15          | 179.18                | 0.96                                | 26.59        | 66.69                  | 50.53                   | 16.16                     | 4.127             |                    |           |
| 3,800.00                                                                         | 3,798.11              | 3,801.49              | 3,801.36              | 8.28             | 8.36          | 178.42                | 1.97                                | 22.35        | 71.66                  | 55.10                   | 16.56                     | 4.326             |                    |           |
| 3,900.00                                                                         | 3,897.69              | 3,901.39              | 3,901.13              | 8.50             | 8.57          | 177.67                | 3.10                                | 17.65        | 76.16                  | 59.19                   | 16.98                     | 4.486             |                    |           |
| 4,000.00                                                                         | 3,997.27              | 4,001.28              | 4,000.91              | 8.73             | 8.78          | 177.00                | 4.22                                | 12.96        | 80.67                  | 63.28                   | 17.39                     | 4.638             |                    |           |
| 4,100.00                                                                         | 4,096.85              | 4,101.17              | 4,100.69              | 8.96             | 8.99          | 176.40                | 5.34                                | 8.26         | 85.20                  | 67.39                   | 17.81                     | 4.783             |                    |           |
| 4,200.00                                                                         | 4,196.43              | 4,201.07              | 4,200.46              | 9.19             | 9.20          | 175.86                | 6.47                                | 3.57         | 89.73                  | 71.49                   | 18.23                     | 4.922             |                    |           |
| 4,300.00                                                                         | 4,296.01              | 4,300.96              | 4,300.24              | 9.42             | 9.41          | 175.38                | 7.59                                | -1.12        | 94.26                  | 75.61                   | 18.65                     | 5.053             |                    |           |
| 4,400.00                                                                         | 4,395.59              | 4,400.86              | 4,400.02              | 9.65             | 9.63          | 174.94                | 8.71                                | -5.82        | 98.80                  | 79.73                   | 19.08                     | 5.179             |                    |           |
| 4,500.00                                                                         | 4,495.17              | 4,500.75              | 4,499.80              | 9.89             | 9.84          | 174.53                | 9.83                                | -10.51       | 103.35                 | 83.85                   | 19.50                     | 5.299             |                    |           |
| 4,600.00                                                                         | 4,594.75              | 4,600.64              | 4,599.57              | 10.13            | 10.06         | 174.17                | 10.96                               | -15.21       | 107.91                 | 87.98                   | 19.93                     | 5.414             |                    |           |
| 4,700.00                                                                         | 4,694.33              | 4,700.54              | 4,699.35              | 10.37            | 10.28         | 173.83                | 12.08                               | -19.90       | 112.46                 | 92.10                   | 20.36                     | 5.524             |                    |           |
| 4,800.00                                                                         | 4,793.91              | 4,800.43              | 4,799.13              | 10.61            | 10.50         | 173.51                | 13.20                               | -24.60       | 117.02                 | 96.23                   | 20.79                     | 5.629             |                    |           |
| 4,900.00                                                                         | 4,893.49              | 4,900.33              | 4,898.91              | 10.85            | 10.72         | 173.23                | 14.33                               | -29.29       | 121.59                 | 100.37                  | 21.22                     | 5.730             |                    |           |
| 5,000.00                                                                         | 4,993.07              | 5,000.22              | 4,998.68              | 11.09            | 10.94         | 172.96                | 15.45                               | -33.99       | 126.15                 | 104.50                  | 21.65                     | 5.826             |                    |           |

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit Sec 22-27 Trac Pad - Thistle Unit 127H - OH - Plan #2 |                       |                       |                       |                  |               |                       |                                     |                    |                        |                         |                           |                   | Offset Site Error: | 0.00 usft |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 0-LEAM MWD+HDGM, 10515-MWD+IFR1+MS                               |                       |                       |                       |                  |               |                       |                                     |                    |                        |                         |                           |                   | Offset Well Error: | 0.00 usft |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               | Distance              |                                     | Minimum Separation |                        | Separation Factor       |                           | Warning           |                    |           |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft)       | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |           |
| 5,100.00                                                                         | 5,092.65              | 5,100.11              | 5,098.46              | 11.34            | 11.16         | 172.71                | 16.57                               | -38.68             | 130.72                 | 108.63                  | 22.09                     | 5.918             |                    |           |
| 5,200.00                                                                         | 5,192.23              | 5,200.01              | 5,198.24              | 11.58            | 11.38         | 172.48                | 17.70                               | -43.38             | 135.29                 | 112.77                  | 22.52                     | 6.007             |                    |           |
| 5,300.00                                                                         | 5,291.81              | 5,299.90              | 5,298.02              | 11.83            | 11.60         | 172.26                | 18.82                               | -48.07             | 139.87                 | 116.91                  | 22.96                     | 6.092             |                    |           |
| 5,400.00                                                                         | 5,391.39              | 5,399.80              | 5,397.79              | 12.08            | 11.82         | 172.06                | 19.94                               | -52.77             | 144.44                 | 121.05                  | 23.40                     | 6.174             |                    |           |
| 5,500.00                                                                         | 5,490.97              | 5,499.69              | 5,497.57              | 12.33            | 12.05         | 171.86                | 21.07                               | -57.46             | 149.02                 | 125.18                  | 23.84                     | 6.252             |                    |           |
| 5,600.00                                                                         | 5,590.55              | 5,599.58              | 5,597.35              | 12.58            | 12.27         | 171.69                | 22.19                               | -62.15             | 153.60                 | 129.32                  | 24.27                     | 6.327             |                    |           |
| 5,700.00                                                                         | 5,690.13              | 5,699.48              | 5,697.12              | 12.83            | 12.50         | 171.52                | 23.31                               | -66.85             | 158.18                 | 133.46                  | 24.72                     | 6.400             |                    |           |
| 5,800.00                                                                         | 5,789.71              | 5,799.37              | 5,796.90              | 13.08            | 12.72         | 171.36                | 24.44                               | -71.54             | 162.76                 | 137.60                  | 25.16                     | 6.470             |                    |           |
| 5,900.00                                                                         | 5,889.29              | 5,899.27              | 5,896.68              | 13.33            | 12.95         | 171.21                | 25.56                               | -76.24             | 167.34                 | 141.75                  | 25.60                     | 6.537             |                    |           |
| 6,000.00                                                                         | 5,988.87              | 5,999.16              | 5,996.46              | 13.58            | 13.17         | 171.06                | 26.68                               | -80.93             | 171.93                 | 145.89                  | 26.04                     | 6.602             |                    |           |
| 6,100.00                                                                         | 6,088.45              | 6,099.05              | 6,096.23              | 13.84            | 13.40         | 170.93                | 27.80                               | -85.63             | 176.51                 | 150.03                  | 26.48                     | 6.665             |                    |           |
| 6,200.00                                                                         | 6,188.03              | 6,198.95              | 6,196.01              | 14.09            | 13.62         | 170.80                | 28.93                               | -90.32             | 181.10                 | 154.17                  | 26.93                     | 6.725             |                    |           |
| 6,300.00                                                                         | 6,287.61              | 6,298.84              | 6,295.79              | 14.34            | 13.85         | 170.68                | 30.05                               | -95.02             | 185.68                 | 158.31                  | 27.37                     | 6.784             |                    |           |
| 6,400.00                                                                         | 6,387.19              | 6,398.74              | 6,395.57              | 14.60            | 14.08         | 170.56                | 31.17                               | -99.71             | 190.27                 | 162.45                  | 27.82                     | 6.840             |                    |           |
| 6,500.00                                                                         | 6,486.77              | 6,498.63              | 6,495.34              | 14.85            | 14.31         | 170.45                | 32.30                               | -104.41            | 194.86                 | 166.60                  | 28.26                     | 6.894             |                    |           |
| 6,600.00                                                                         | 6,586.35              | 6,598.52              | 6,595.12              | 15.11            | 14.53         | 170.34                | 33.42                               | -109.10            | 199.45                 | 170.74                  | 28.71                     | 6.947             |                    |           |
| 6,700.00                                                                         | 6,685.93              | 6,698.42              | 6,694.90              | 15.37            | 14.76         | 170.24                | 34.54                               | -113.79            | 204.04                 | 174.88                  | 29.16                     | 6.998             |                    |           |
| 6,800.00                                                                         | 6,785.51              | 6,798.31              | 6,794.68              | 15.62            | 14.99         | 170.15                | 35.67                               | -118.49            | 208.63                 | 179.02                  | 29.60                     | 7.047             |                    |           |
| 6,900.00                                                                         | 6,885.09              | 6,898.21              | 6,894.45              | 15.88            | 15.22         | 170.05                | 36.79                               | -123.18            | 213.22                 | 183.17                  | 30.05                     | 7.095             |                    |           |
| 7,000.00                                                                         | 6,984.68              | 6,998.10              | 6,994.23              | 16.14            | 15.45         | 169.97                | 37.91                               | -127.88            | 217.81                 | 187.31                  | 30.50                     | 7.141             |                    |           |
| 7,100.00                                                                         | 7,084.26              | 7,097.99              | 7,094.01              | 16.40            | 15.68         | 169.88                | 39.04                               | -132.57            | 222.40                 | 191.45                  | 30.95                     | 7.186             |                    |           |
| 7,200.00                                                                         | 7,183.84              | 7,197.89              | 7,193.78              | 16.66            | 15.91         | 169.80                | 40.16                               | -137.27            | 226.99                 | 195.59                  | 31.40                     | 7.229             |                    |           |
| 7,300.00                                                                         | 7,283.42              | 7,297.78              | 7,293.56              | 16.91            | 16.14         | 169.72                | 41.28                               | -141.96            | 231.58                 | 199.74                  | 31.85                     | 7.272             |                    |           |
| 7,400.00                                                                         | 7,383.00              | 7,397.68              | 7,393.34              | 17.17            | 16.37         | 169.65                | 42.40                               | -146.66            | 236.18                 | 203.88                  | 32.30                     | 7.312             |                    |           |
| 7,500.00                                                                         | 7,482.58              | 7,497.57              | 7,493.12              | 17.43            | 16.60         | 169.57                | 43.53                               | -151.35            | 240.77                 | 208.02                  | 32.75                     | 7.352             |                    |           |
| 7,600.00                                                                         | 7,582.16              | 7,597.46              | 7,592.89              | 17.69            | 16.83         | 169.50                | 44.65                               | -156.05            | 245.36                 | 212.17                  | 33.20                     | 7.391             |                    |           |
| 7,700.00                                                                         | 7,681.74              | 7,697.36              | 7,692.67              | 17.95            | 17.06         | 169.44                | 45.77                               | -160.74            | 249.96                 | 216.31                  | 33.65                     | 7.428             |                    |           |
| 7,800.00                                                                         | 7,781.32              | 7,797.25              | 7,792.45              | 18.21            | 17.29         | 169.37                | 46.90                               | -165.43            | 254.55                 | 220.45                  | 34.10                     | 7.465             |                    |           |
| 7,900.00                                                                         | 7,880.90              | 7,897.15              | 7,892.23              | 18.47            | 17.52         | 169.31                | 48.02                               | -170.13            | 259.15                 | 224.59                  | 34.55                     | 7.500             |                    |           |
| 8,000.00                                                                         | 7,980.48              | 7,995.03              | 7,990.00              | 18.73            | 17.73         | 169.27                | 49.07                               | -174.84            | 263.93                 | 228.94                  | 34.99                     | 7.542             |                    |           |
| 8,100.00                                                                         | 8,080.06              | 8,095.77              | 8,085.70              | 19.00            | 17.91         | 169.35                | 49.78                               | -179.48            | 270.05                 | 234.65                  | 35.40                     | 7.629             |                    |           |
| 8,200.00                                                                         | 8,179.64              | 8,196.30              | 8,181.21              | 19.26            | 18.08         | 169.57                | 50.11                               | -178.87            | 277.69                 | 241.90                  | 35.79                     | 7.759             |                    |           |
| 8,243.13                                                                         | 8,222.58              | 8,227.57              | 8,222.48              | 19.37            | 18.16         | 169.70                | 50.14                               | -178.99            | 281.45                 | 245.50                  | 35.96                     | 7.828             |                    |           |
| 8,300.00                                                                         | 8,279.24              | 8,284.23              | 8,279.14              | 19.50            | 18.27         | 169.88                | 50.14                               | -178.99            | 286.30                 | 250.11                  | 36.19                     | 7.911             |                    |           |
| 8,400.00                                                                         | 8,378.97              | 8,383.96              | 8,378.87              | 19.70            | 18.48         | 170.14                | 50.14                               | -178.99            | 293.49                 | 256.90                  | 36.59                     | 8.021             |                    |           |
| 8,500.00                                                                         | 8,478.82              | 8,483.81              | 8,478.72              | 19.89            | 18.70         | 170.33                | 50.14                               | -178.99            | 298.96                 | 261.97                  | 36.99                     | 8.081             |                    |           |
| 8,600.00                                                                         | 8,578.74              | 8,583.73              | 8,578.64              | 20.08            | 18.91         | 170.46                | 50.14                               | -178.99            | 302.72                 | 265.32                  | 37.40                     | 8.095             |                    |           |
| 8,700.00                                                                         | 8,678.72              | 8,683.71              | 8,678.62              | 20.26            | 19.13         | 170.53                | 50.14                               | -178.99            | 304.76                 | 266.96                  | 37.80                     | 8.062             |                    |           |
| 8,768.36                                                                         | 8,747.08              | 8,752.07              | 8,746.98              | 20.38            | 19.27         | 80.54                 | 50.14                               | -178.99            | 305.16                 | 267.08                  | 38.08                     | 8.014             |                    |           |
| 8,800.00                                                                         | 8,778.72              | 8,783.71              | 8,778.62              | 20.44            | 19.34         | 80.54                 | 50.14                               | -178.99            | 305.16                 | 266.95                  | 38.21                     | 7.987             |                    |           |
| 8,900.00                                                                         | 8,878.72              | 8,883.71              | 8,878.62              | 20.64            | 19.56         | 80.54                 | 50.14                               | -178.99            | 305.16                 | 266.52                  | 38.64                     | 7.898             |                    |           |
| 9,000.00                                                                         | 8,978.72              | 8,983.71              | 8,978.62              | 20.84            | 19.77         | 80.54                 | 50.14                               | -178.99            | 305.16                 | 266.09                  | 39.06                     | 7.812             |                    |           |
| 9,068.36                                                                         | 9,047.08              | 9,052.07              | 9,046.98              | 20.97            | 19.92         | 80.54                 | 50.14                               | -178.99            | 305.16                 | 265.80                  | 39.36                     | 7.754             |                    |           |
| 9,100.00                                                                         | 9,078.70              | 9,083.69              | 9,078.60              | 21.03            | 19.99         | -99.19                | 50.14                               | -178.99            | 305.30                 | 265.81                  | 39.49                     | 7.731             |                    |           |
| 9,150.00                                                                         | 9,128.44              | 9,133.43              | 9,128.34              | 21.12            | 20.10         | -100.01               | 50.14                               | -178.99            | 306.12                 | 266.43                  | 39.69                     | 7.712             |                    |           |
| 9,200.00                                                                         | 9,177.57              | 9,182.55              | 9,177.47              | 21.21            | 20.21         | -101.51               | 50.14                               | -178.99            | 307.88                 | 267.98                  | 39.90                     | 7.716             |                    |           |
| 9,250.00                                                                         | 9,225.69              | 9,230.68              | 9,225.59              | 21.30            | 20.31         | -103.56               | 50.14                               | -178.99            | 310.93                 | 270.81                  | 40.11                     | 7.751             |                    |           |
| 9,300.00                                                                         | 9,272.46              | 9,277.45              | 9,272.36              | 21.40            | 20.41         | -106.02               | 50.14                               | -178.99            | 315.73                 | 275.40                  | 40.32                     | 7.830             |                    |           |
| 9,350.00                                                                         | 9,317.51              | 9,322.50              | 9,317.41              | 21.49            | 20.51         | -108.71               | 50.14                               | -178.99            | 322.85                 | 282.31                  | 40.54                     | 7.964             |                    |           |
| 9,400.00                                                                         | 9,360.51              | 9,365.50              | 9,360.41              | 21.59            | 20.60         | -111.43               | 50.14                               | -178.99            | 332.84                 | 292.09                  | 40.75                     | 8.167             |                    |           |
| 9,450.00                                                                         | 9,401.12              | 9,406.11              | 9,401.02              | 21.69            | 20.69         | -113.97               | 50.14                               | -178.99            | 346.22                 | 305.25                  | 40.97                     | 8.451             |                    |           |
| 9,500.00                                                                         | 9,439.03              | 9,444.02              | 9,438.93              | 21.80            | 20.77         | -116.17               | 50.14                               | -178.99            | 363.36                 | 322.18                  | 41.18                     | 8.824             |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit Sec 22-27 Trac Pad - Thistle Unit 127H - OH - Plan #2 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: 0.00 usft |  |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|------------------------------|--|
| Survey Program: 0-LEAM MWD+HDGM, 10515-MWD+IFR1+MS                               |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: 0.00 usft |  |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               | Distance              |                                     |              |                        |                         |                           |                   |                              |  |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning                      |  |
| 9,550.00                                                                         | 9,473.97              | 9,478.95              | 9,473.87              | 21.91            | 20.85         | -117.85               | 50.14                               | -178.99      | 384.48                 | 343.10                  | 41.38                     | 9.292             |                              |  |
| 9,600.00                                                                         | 9,505.65              | 9,510.64              | 9,505.55              | 22.04            | 20.92         | -118.89               | 50.14                               | -178.99      | 409.60                 | 368.04                  | 41.56                     | 9.856             |                              |  |
| 9,650.00                                                                         | 9,533.84              | 9,557.19              | 9,552.09              | 22.18            | 21.01         | -121.29               | 49.19                               | -178.98      | 438.30                 | 396.54                  | 41.76                     | 10.496            |                              |  |
| 9,700.00                                                                         | 9,558.33              | 9,629.45              | 9,623.77              | 22.35            | 21.14         | -125.84               | 40.49                               | -178.92      | 468.45                 | 426.70                  | 41.75                     | 11.220            |                              |  |
| 9,750.00                                                                         | 9,578.93              | 9,723.07              | 9,714.01              | 22.54            | 21.30         | -131.27               | 15.96                               | -178.74      | 498.68                 | 457.48                  | 41.20                     | 12.105            |                              |  |
| 9,800.00                                                                         | 9,595.48              | 9,853.04              | 9,830.19              | 22.75            | 21.52         | -137.59               | -41.69                              | -178.32      | 527.09                 | 487.56                  | 39.53                     | 13.335            |                              |  |
| 9,850.00                                                                         | 9,607.86              | 10,042.97             | 9,969.83              | 22.99            | 21.87         | -143.86               | -169.13                             | -177.38      | 550.13                 | 514.13                  | 36.00                     | 15.280            |                              |  |
| 9,900.00                                                                         | 9,615.96              | 10,305.89             | 10,079.86             | 23.25            | 22.78         | -147.45               | -405.38                             | -175.64      | 561.76                 | 529.30                  | 32.46                     | 17.305            |                              |  |
| 9,950.00                                                                         | 9,619.74              | 10,450.37             | 10,092.22             | 23.55            | 23.57         | -147.46               | -549.03                             | -174.59      | 560.52                 | 527.56                  | 32.96                     | 17.005            |                              |  |
| 9,964.28                                                                         | 9,620.02              | 10,464.65             | 10,092.32             | 23.63            | 23.66         | -147.46               | -563.30                             | -174.49      | 560.37                 | 527.29                  | 33.09                     | 16.937            |                              |  |
| 9,974.90                                                                         | 9,620.00              | 10,475.28             | 10,092.39             | 23.70            | 23.72         | -147.46               | -573.93                             | -174.41      | 560.46                 | 527.28                  | 33.17                     | 16.895            |                              |  |
| 10,000.00                                                                        | 9,619.71              | 10,500.37             | 10,092.57             | 27.27            | 23.88         | -147.49               | -599.02                             | -174.22      | 560.85                 | 527.43                  | 33.42                     | 16.784            |                              |  |
| 10,100.00                                                                        | 9,618.57              | 10,600.35             | 10,093.28             | 27.34            | 28.10         | -147.59               | -699.00                             | -173.49      | 562.41                 | 528.79                  | 33.62                     | 16.729            |                              |  |
| 10,200.00                                                                        | 9,617.43              | 10,700.33             | 10,093.99             | 27.41            | 28.19         | -147.69               | -798.97                             | -172.75      | 563.98                 | 530.30                  | 33.68                     | 16.746            |                              |  |
| 10,300.00                                                                        | 9,616.29              | 10,800.32             | 10,094.69             | 27.49            | 28.28         | -147.79               | -898.95                             | -172.02      | 565.55                 | 531.74                  | 33.81                     | 16.727            |                              |  |
| 10,400.00                                                                        | 9,615.15              | 10,900.30             | 10,095.40             | 27.57            | 28.37         | -147.89               | -998.93                             | -171.29      | 567.12                 | 533.11                  | 34.01                     | 16.674            |                              |  |
| 10,500.00                                                                        | 9,614.00              | 11,000.28             | 10,096.11             | 27.66            | 28.46         | -147.98               | -1,098.91                           | -170.55      | 568.69                 | 534.41                  | 34.28                     | 16.588            |                              |  |
| 10,600.00                                                                        | 9,612.86              | 11,100.27             | 10,096.82             | 27.74            | 28.55         | -148.08               | -1,198.89                           | -169.82      | 570.27                 | 535.64                  | 34.62                     | 16.471            |                              |  |
| 10,700.00                                                                        | 9,611.72              | 11,200.25             | 10,097.53             | 27.83            | 28.65         | -148.18               | -1,298.86                           | -169.08      | 571.84                 | 536.81                  | 35.03                     | 16.325            |                              |  |
| 10,800.00                                                                        | 9,610.58              | 11,300.23             | 10,098.23             | 27.92            | 28.74         | -148.28               | -1,398.84                           | -168.35      | 573.42                 | 537.92                  | 35.50                     | 16.153            |                              |  |
| 10,900.00                                                                        | 9,609.44              | 11,400.21             | 10,098.94             | 28.02            | 28.84         | -148.37               | -1,498.82                           | -167.62      | 575.00                 | 538.96                  | 36.03                     | 15.958            |                              |  |
| 11,000.00                                                                        | 9,608.29              | 11,500.20             | 10,099.65             | 28.12            | 28.94         | -148.47               | -1,598.80                           | -166.88      | 576.58                 | 539.95                  | 36.62                     | 15.744            |                              |  |
| 11,100.00                                                                        | 9,607.15              | 11,600.18             | 10,100.36             | 28.22            | 29.04         | -148.56               | -1,698.77                           | -166.15      | 578.16                 | 540.89                  | 37.27                     | 15.514            |                              |  |
| 11,200.00                                                                        | 9,606.01              | 11,700.16             | 10,101.06             | 28.32            | 29.14         | -148.66               | -1,798.75                           | -165.41      | 579.74                 | 541.77                  | 37.97                     | 15.269            |                              |  |
| 11,300.00                                                                        | 9,604.87              | 11,800.15             | 10,101.77             | 28.43            | 29.25         | -148.75               | -1,898.73                           | -164.68      | 581.33                 | 542.61                  | 38.72                     | 15.015            |                              |  |
| 11,400.00                                                                        | 9,603.72              | 11,900.13             | 10,102.48             | 28.55            | 29.35         | -148.85               | -1,998.71                           | -163.94      | 582.91                 | 543.40                  | 39.51                     | 14.752            |                              |  |
| 11,500.00                                                                        | 9,602.58              | 12,000.11             | 10,103.19             | 28.67            | 29.46         | -148.94               | -2,098.68                           | -163.21      | 584.50                 | 544.14                  | 40.36                     | 14.483            |                              |  |
| 11,600.00                                                                        | 9,601.44              | 12,100.09             | 10,103.89             | 28.80            | 29.57         | -149.03               | -2,198.66                           | -162.48      | 586.09                 | 544.85                  | 41.24                     | 14.212            |                              |  |
| 11,700.00                                                                        | 9,600.30              | 12,200.08             | 10,104.60             | 28.93            | 29.69         | -149.12               | -2,298.64                           | -161.74      | 587.68                 | 545.52                  | 42.16                     | 13.938            |                              |  |
| 11,800.00                                                                        | 9,599.16              | 12,300.06             | 10,105.31             | 29.08            | 29.80         | -149.22               | -2,398.62                           | -161.01      | 589.27                 | 546.15                  | 43.12                     | 13.665            |                              |  |
| 11,900.00                                                                        | 9,598.01              | 12,400.04             | 10,106.02             | 29.24            | 29.93         | -149.31               | -2,498.60                           | -160.27      | 590.87                 | 546.75                  | 44.12                     | 13.393            |                              |  |
| 12,000.00                                                                        | 9,596.87              | 12,500.03             | 10,106.72             | 29.42            | 30.06         | -149.40               | -2,598.57                           | -159.54      | 592.46                 | 547.32                  | 45.14                     | 13.124            |                              |  |
| 12,100.00                                                                        | 9,595.73              | 12,600.01             | 10,107.43             | 29.62            | 30.20         | -149.49               | -2,698.55                           | -158.81      | 594.06                 | 547.86                  | 46.20                     | 12.858            |                              |  |
| 12,200.00                                                                        | 9,594.59              | 12,699.99             | 10,108.14             | 29.85            | 30.36         | -149.58               | -2,798.53                           | -158.07      | 595.66                 | 548.37                  | 47.29                     | 12.597            |                              |  |
| 12,300.00                                                                        | 9,593.45              | 12,799.97             | 10,108.85             | 30.10            | 30.54         | -149.67               | -2,898.51                           | -157.34      | 597.26                 | 548.86                  | 48.40                     | 12.341            |                              |  |
| 12,400.00                                                                        | 9,592.30              | 12,899.96             | 10,109.56             | 30.40            | 30.76         | -149.76               | -2,998.48                           | -156.60      | 598.86                 | 549.33                  | 49.53                     | 12.090            |                              |  |
| 12,500.00                                                                        | 9,591.16              | 12,999.94             | 10,110.26             | 30.73            | 31.04         | -149.84               | -3,098.46                           | -155.87      | 600.46                 | 549.77                  | 50.69                     | 11.846            |                              |  |
| 12,600.00                                                                        | 9,590.02              | 13,099.92             | 10,110.97             | 31.09            | 31.39         | -149.93               | -3,198.44                           | -155.13      | 602.06                 | 550.20                  | 51.87                     | 11.608            |                              |  |
| 12,700.00                                                                        | 9,588.88              | 13,199.91             | 10,111.68             | 31.49            | 31.78         | -150.02               | -3,298.42                           | -154.40      | 603.67                 | 550.60                  | 53.07                     | 11.376            |                              |  |
| 12,800.00                                                                        | 9,587.73              | 13,299.89             | 10,112.39             | 31.93            | 32.22         | -150.11               | -3,398.39                           | -153.67      | 605.28                 | 550.99                  | 54.28                     | 11.150            |                              |  |
| 12,900.00                                                                        | 9,586.59              | 13,399.87             | 10,113.09             | 32.38            | 32.69         | -150.19               | -3,498.37                           | -152.93      | 606.89                 | 551.37                  | 55.52                     | 10.931            |                              |  |
| 13,000.00                                                                        | 9,585.45              | 13,499.86             | 10,113.80             | 32.87            | 33.18         | -150.28               | -3,598.35                           | -152.20      | 608.50                 | 551.72                  | 56.77                     | 10.718            |                              |  |
| 13,100.00                                                                        | 9,584.31              | 13,599.84             | 10,114.51             | 33.37            | 33.69         | -150.36               | -3,698.33                           | -151.46      | 610.11                 | 552.07                  | 58.04                     | 10.512            |                              |  |
| 13,200.00                                                                        | 9,583.17              | 13,699.82             | 10,115.22             | 33.88            | 34.21         | -150.45               | -3,798.31                           | -150.73      | 611.72                 | 552.40                  | 59.32                     | 10.313            |                              |  |
| 13,300.00                                                                        | 9,582.02              | 13,799.80             | 10,115.92             | 34.42            | 34.75         | -150.53               | -3,898.28                           | -149.99      | 613.33                 | 552.72                  | 60.61                     | 10.119            |                              |  |
| 13,400.00                                                                        | 9,580.88              | 13,899.79             | 10,116.63             | 34.96            | 35.30         | -150.62               | -3,998.26                           | -149.26      | 614.95                 | 553.03                  | 61.92                     | 9.932             |                              |  |
| 13,500.00                                                                        | 9,579.74              | 13,999.77             | 10,117.34             | 35.52            | 35.85         | -150.70               | -4,098.24                           | -148.53      | 616.56                 | 553.33                  | 63.23                     | 9.750             |                              |  |
| 13,600.00                                                                        | 9,578.60              | 14,099.75             | 10,118.05             | 36.09            | 36.42         | -150.78               | -4,198.22                           | -147.79      | 618.18                 | 553.62                  | 64.56                     | 9.575             |                              |  |
| 13,700.00                                                                        | 9,577.46              | 14,199.74             | 10,118.75             | 36.67            | 36.99         | -150.87               | -4,298.19                           | -147.06      | 619.80                 | 553.90                  | 65.90                     | 9.405             |                              |  |
| 13,800.00                                                                        | 9,576.31              | 14,299.72             | 10,119.46             | 37.25            | 37.57         | -150.95               | -4,398.17                           | -146.32      | 621.42                 | 554.17                  | 67.25                     | 9.240             |                              |  |
| 13,900.00                                                                        | 9,575.17              | 14,399.70             | 10,120.17             | 37.84            | 38.15         | -151.03               | -4,498.15                           | -145.59      | 623.04                 | 554.43                  | 68.61                     | 9.081             |                              |  |
| 14,000.00                                                                        | 9,574.03              | 14,499.68             | 10,120.88             | 38.45            | 38.75         | -151.11               | -4,598.13                           | -144.86      | 624.66                 | 554.69                  | 69.98                     | 8.927             |                              |  |

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design                                                      |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.00 usft |
|--------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Thistle Unit Sec 22-27 Trac Pad - Thistle Unit 127H - OH - Plan #2 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.00 usft |
| Survey Program: O-LEAM MWD+HDGM, 10515-MWD+HFR1+MS                 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   |                    |           |
| Reference                                                          |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   |                    |           |
| Measured Depth (usft)                                              | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning            |           |
| 14,100.00                                                          | 9,572.89              | 14,599.67             | 10,121.58             | 39.05            | 39.35         | -151.19               | -4,698.10                           | -144.12      | 626.29                 | 554.94                  | 71.35                     | 8.778             |                    |           |
| 14,200.00                                                          | 9,571.75              | 14,699.65             | 10,122.29             | 39.67            | 39.95         | -151.27               | -4,798.08                           | -143.39      | 627.91                 | 555.18                  | 72.73                     | 8.633             |                    |           |
| 14,300.00                                                          | 9,570.60              | 14,799.63             | 10,123.00             | 40.29            | 40.57         | -151.35               | -4,898.06                           | -142.65      | 629.54                 | 555.42                  | 74.12                     | 8.493             |                    |           |
| 14,400.00                                                          | 9,569.46              | 14,899.62             | 10,123.71             | 40.91            | 41.18         | -151.43               | -4,998.04                           | -141.92      | 631.17                 | 555.65                  | 75.52                     | 8.358             |                    |           |
| 14,500.00                                                          | 9,568.32              | 14,999.60             | 10,124.42             | 41.54            | 41.81         | -151.51               | -5,098.02                           | -141.18      | 632.80                 | 555.88                  | 76.92                     | 8.227             |                    |           |
| 14,600.00                                                          | 9,567.18              | 15,099.58             | 10,125.12             | 42.18            | 42.43         | -151.59               | -5,197.99                           | -140.45      | 634.43                 | 556.10                  | 78.33                     | 8.099             |                    |           |
| 14,700.00                                                          | 9,566.03              | 15,199.56             | 10,125.83             | 42.82            | 43.06         | -151.67               | -5,297.97                           | -139.72      | 636.06                 | 556.31                  | 79.74                     | 7.976             |                    |           |
| 14,800.00                                                          | 9,564.89              | 15,299.55             | 10,126.54             | 43.46            | 43.70         | -151.75               | -5,397.95                           | -138.98      | 637.69                 | 556.53                  | 81.17                     | 7.857             |                    |           |
| 14,900.00                                                          | 9,563.75              | 15,399.53             | 10,127.25             | 44.11            | 44.34         | -151.83               | -5,497.93                           | -138.25      | 639.33                 | 556.73                  | 82.59                     | 7.741             |                    |           |
| 15,000.00                                                          | 9,562.61              | 15,499.51             | 10,127.95             | 44.76            | 44.98         | -151.91               | -5,597.90                           | -137.51      | 640.96                 | 556.94                  | 84.02                     | 7.629             |                    |           |
| 15,100.00                                                          | 9,561.47              | 15,599.50             | 10,128.66             | 45.42            | 45.63         | -151.98               | -5,697.88                           | -136.78      | 642.60                 | 557.14                  | 85.46                     | 7.520             |                    |           |
| 15,200.00                                                          | 9,560.32              | 15,699.48             | 10,129.37             | 46.08            | 46.28         | -152.06               | -5,797.86                           | -136.05      | 644.23                 | 557.34                  | 86.90                     | 7.414             |                    |           |
| 15,300.00                                                          | 9,559.18              | 15,799.46             | 10,130.08             | 46.74            | 46.94         | -152.14               | -5,897.84                           | -135.31      | 645.87                 | 557.53                  | 88.34                     | 7.311             |                    |           |
| 15,400.00                                                          | 9,558.04              | 15,899.44             | 10,130.78             | 47.41            | 47.60         | -152.21               | -5,997.81                           | -134.58      | 647.51                 | 557.72                  | 89.79                     | 7.212             |                    |           |
| 15,500.00                                                          | 9,556.90              | 15,999.43             | 10,131.49             | 48.08            | 48.26         | -152.29               | -6,097.79                           | -133.84      | 649.15                 | 557.91                  | 91.24                     | 7.115             |                    |           |
| 15,600.00                                                          | 9,555.76              | 16,099.41             | 10,132.20             | 48.75            | 48.92         | -152.36               | -6,197.77                           | -133.11      | 650.79                 | 558.10                  | 92.70                     | 7.021             |                    |           |
| 15,700.00                                                          | 9,554.61              | 16,199.39             | 10,132.91             | 49.43            | 49.59         | -152.44               | -6,297.75                           | -132.37      | 652.44                 | 558.28                  | 94.16                     | 6.929             |                    |           |
| 15,800.00                                                          | 9,553.47              | 16,299.38             | 10,133.61             | 50.10            | 50.26         | -152.51               | -6,397.73                           | -131.64      | 654.08                 | 558.46                  | 95.62                     | 6.841             |                    |           |
| 15,900.00                                                          | 9,552.33              | 16,399.36             | 10,134.32             | 50.79            | 50.93         | -152.59               | -6,497.70                           | -130.91      | 655.73                 | 558.64                  | 97.08                     | 6.754             |                    |           |
| 16,000.00                                                          | 9,551.19              | 16,499.34             | 10,135.03             | 51.47            | 51.61         | -152.66               | -6,597.68                           | -130.17      | 657.37                 | 558.82                  | 98.55                     | 6.670             |                    |           |
| 16,100.00                                                          | 9,550.05              | 16,599.32             | 10,135.74             | 52.15            | 52.29         | -152.73               | -6,697.66                           | -129.44      | 659.02                 | 559.00                  | 100.02                    | 6.589             |                    |           |
| 16,200.00                                                          | 9,548.90              | 16,699.31             | 10,136.45             | 52.84            | 52.97         | -152.80               | -6,797.64                           | -128.70      | 660.67                 | 559.17                  | 101.50                    | 6.509             |                    |           |
| 16,300.00                                                          | 9,547.76              | 16,799.29             | 10,137.15             | 53.53            | 53.65         | -152.88               | -6,897.61                           | -127.97      | 662.32                 | 559.34                  | 102.98                    | 6.432             |                    |           |
| 16,400.00                                                          | 9,546.62              | 16,899.27             | 10,137.86             | 54.22            | 54.34         | -152.95               | -6,997.59                           | -127.24      | 663.97                 | 559.51                  | 104.46                    | 6.356             |                    |           |
| 16,500.00                                                          | 9,545.48              | 16,999.26             | 10,138.57             | 54.92            | 55.02         | -153.02               | -7,097.57                           | -126.50      | 665.62                 | 559.68                  | 105.94                    | 6.283             |                    |           |
| 16,600.00                                                          | 9,544.33              | 17,099.24             | 10,139.28             | 55.61            | 55.71         | -153.09               | -7,197.55                           | -125.77      | 667.27                 | 559.85                  | 107.42                    | 6.212             |                    |           |
| 16,700.00                                                          | 9,543.19              | 17,199.22             | 10,139.98             | 56.31            | 56.40         | -153.16               | -7,297.52                           | -125.03      | 668.93                 | 560.02                  | 108.91                    | 6.142             |                    |           |
| 16,800.00                                                          | 9,542.05              | 17,299.21             | 10,140.69             | 57.01            | 57.10         | -153.23               | -7,397.50                           | -124.30      | 670.58                 | 560.18                  | 110.40                    | 6.074             |                    |           |
| 16,900.00                                                          | 9,540.91              | 17,399.19             | 10,141.40             | 57.71            | 57.79         | -153.31               | -7,497.48                           | -123.56      | 672.24                 | 560.35                  | 111.89                    | 6.008             |                    |           |
| 16,979.53                                                          | 9,540.00              | 17,478.70             | 10,141.96             | 58.27            | 58.14         | -153.36               | -7,576.99                           | -122.98      | 673.55                 | 560.75                  | 112.80                    | 5.971             |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit Sec 22-27 Trac Pad - Thistle Unit 128H - OH - Plan #2 |                       |                       |                       |                  |               |                        |                       |                                     |                                     |                        |                         |                           | Offset Site Error: | 0.00 usft |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|------------------------|-----------------------|-------------------------------------|-------------------------------------|------------------------|-------------------------|---------------------------|--------------------|-----------|
| Survey Program: 0-LEAM MWD+HDGM                                                  |                       |                       |                       |                  |               |                        |                       |                                     |                                     |                        |                         |                           | Offset Well Error: | 0.00 usft |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Semi Major Axis (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | Offset Wellbore Centre +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  | Warning   |
| 0.00                                                                             | 0.00                  | 0.00                  | 0.00                  | 0.00             | 0.00          | 89.68                  |                       | 0.84                                | 149.98                              | 149.98                 |                         |                           |                    |           |
| 100.00                                                                           | 100.00                | 99.80                 | 99.80                 | 0.09             | 0.09          | 89.68                  |                       | 0.84                                | 149.98                              | 149.98                 | 149.81                  | 0.17                      | 873.136            |           |
| 200.00                                                                           | 200.00                | 199.80                | 199.80                | 0.31             | 0.31          | 89.68                  |                       | 0.84                                | 149.98                              | 149.98                 | 149.36                  | 0.62                      | 241.506            |           |
| 300.00                                                                           | 300.00                | 299.80                | 299.80                | 0.54             | 0.54          | 89.68                  |                       | 0.84                                | 149.98                              | 149.98                 | 148.91                  | 1.07                      | 140.097            |           |
| 400.00                                                                           | 400.00                | 399.80                | 399.80                | 0.76             | 0.76          | 89.68                  |                       | 0.84                                | 149.98                              | 149.98                 | 148.46                  | 1.52                      | 98.667             |           |
| 500.00                                                                           | 500.00                | 499.80                | 499.80                | 0.99             | 0.98          | 89.68                  |                       | 0.84                                | 149.98                              | 149.98                 | 148.01                  | 1.97                      | 76.148             |           |
| 600.00                                                                           | 600.00                | 599.80                | 599.80                | 1.21             | 1.21          | 89.68                  |                       | 0.84                                | 149.98                              | 149.98                 | 147.56                  | 2.42                      | 61.998             |           |
| 700.00                                                                           | 700.00                | 699.80                | 699.80                | 1.43             | 1.43          | 89.68                  |                       | 0.84                                | 149.98                              | 149.98                 | 147.11                  | 2.87                      | 52.283             |           |
| 800.00                                                                           | 800.00                | 799.80                | 799.80                | 1.66             | 1.66          | 89.68                  |                       | 0.84                                | 149.98                              | 149.98                 | 146.66                  | 3.32                      | 45.200             |           |
| 900.00                                                                           | 900.00                | 899.80                | 899.80                | 1.88             | 1.88          | 89.68                  |                       | 0.84                                | 149.98                              | 149.98                 | 146.21                  | 3.77                      | 39.807             |           |
| 1,000.00                                                                         | 1,000.00              | 999.80                | 999.80                | 2.11             | 2.11          | 89.68                  |                       | 0.84                                | 149.98                              | 149.98                 | 145.77                  | 4.22                      | 35.564             |           |
| 1,100.00                                                                         | 1,100.00              | 1,099.80              | 1,099.80              | 2.33             | 2.33          | 89.68                  |                       | 0.84                                | 149.98                              | 149.98                 | 145.32                  | 4.67                      | 32.138             |           |
| 1,200.00                                                                         | 1,200.00              | 1,199.80              | 1,199.80              | 2.56             | 2.56          | 89.68                  |                       | 0.84                                | 149.98                              | 149.98                 | 144.87                  | 5.12                      | 29.314             |           |
| 1,300.00                                                                         | 1,300.00              | 1,299.80              | 1,299.80              | 2.78             | 2.78          | 89.68                  |                       | 0.84                                | 149.98                              | 149.98                 | 144.42                  | 5.57                      | 26.947             |           |
| 1,400.00                                                                         | 1,400.00              | 1,399.80              | 1,399.80              | 3.01             | 3.01          | 89.68                  |                       | 0.84                                | 149.98                              | 149.98                 | 143.97                  | 6.02                      | 24.933             |           |
| 1,500.00                                                                         | 1,500.00              | 1,499.80              | 1,499.80              | 3.23             | 3.23          | 89.68                  |                       | 0.84                                | 149.98                              | 149.98                 | 143.52                  | 6.46                      | 23.199             |           |
| 1,600.00                                                                         | 1,600.00              | 1,599.80              | 1,599.80              | 3.46             | 3.46          | 89.68                  |                       | 0.84                                | 149.98                              | 149.98                 | 143.07                  | 6.91                      | 21.691             |           |
| 1,700.00                                                                         | 1,700.00              | 1,699.80              | 1,699.80              | 3.68             | 3.68          | 89.68                  |                       | 0.84                                | 149.98                              | 149.98                 | 142.62                  | 7.36                      | 20.367             |           |
| 1,800.00                                                                         | 1,800.00              | 1,799.80              | 1,799.80              | 3.91             | 3.91          | 89.68                  |                       | 0.84                                | 149.98                              | 149.98                 | 142.17                  | 7.81                      | 19.195             |           |
| 1,900.00                                                                         | 1,900.00              | 1,899.80              | 1,899.80              | 4.13             | 4.13          | 89.68                  |                       | 0.84                                | 149.98                              | 149.98                 | 141.72                  | 8.26                      | 18.151             |           |
| 2,000.00                                                                         | 2,000.00              | 1,999.80              | 1,999.80              | 4.36             | 4.36          | 89.68                  |                       | 0.84                                | 149.98                              | 149.98                 | 141.27                  | 8.71                      | 17.214             |           |
| 2,100.00                                                                         | 2,100.00              | 2,099.80              | 2,099.80              | 4.58             | 4.58          | 89.68                  |                       | 0.84                                | 149.98                              | 149.98                 | 140.82                  | 9.16                      | 16.370             |           |
| 2,200.00                                                                         | 2,200.00              | 2,199.80              | 2,199.80              | 4.81             | 4.81          | 89.68                  |                       | 0.84                                | 149.98                              | 149.98                 | 140.37                  | 9.61                      | 15.604             |           |
| 2,300.00                                                                         | 2,300.00              | 2,299.80              | 2,299.80              | 5.03             | 5.03          | 89.68                  |                       | 0.84                                | 149.98                              | 149.98                 | 139.92                  | 10.06                     | 14.907             |           |
| 2,400.00                                                                         | 2,400.00              | 2,399.80              | 2,399.80              | 5.26             | 5.26          | 89.68                  |                       | 0.84                                | 149.98                              | 149.98                 | 139.47                  | 10.51                     | 14.269             |           |
| 2,500.00                                                                         | 2,500.00              | 2,499.80              | 2,499.80              | 5.48             | 5.48          | 89.68                  |                       | 0.84                                | 149.98                              | 149.98                 | 139.02                  | 10.96                     | 13.684 CC, ES      |           |
| 2,600.00                                                                         | 2,600.00              | 2,597.30              | 2,597.30              | 5.71             | 5.69          | 89.61                  |                       | 1.02                                | 150.79                              | 150.81                 | 139.42                  | 11.39                     | 13.238             |           |
| 2,700.00                                                                         | 2,700.00              | 2,694.75              | 2,694.71              | 5.93             | 5.89          | 89.41                  |                       | 1.58                                | 153.21                              | 153.30                 | 141.49                  | 11.81                     | 12.979             |           |
| 2,800.00                                                                         | 2,800.00              | 2,792.08              | 2,791.95              | 6.15             | 6.09          | 89.09                  |                       | 2.49                                | 157.24                              | 157.45                 | 145.22                  | 12.23                     | 12.877             |           |
| 2,900.00                                                                         | 2,900.00              | 2,890.78              | 2,890.49              | 6.38             | 6.30          | 88.68                  |                       | 3.74                                | 162.70                              | 163.00                 | 150.35                  | 12.65                     | 12.885             |           |
| 3,000.00                                                                         | 3,000.00              | 2,990.61              | 2,990.15              | 6.60             | 6.51          | 88.29                  |                       | 5.03                                | 168.37                              | 168.72                 | 155.64                  | 13.08                     | 12.897             |           |
| 3,100.00                                                                         | 3,099.99              | 3,090.38              | 3,089.76              | 6.81             | 6.72          | 177.93                 |                       | 6.32                                | 174.04                              | 175.31                 | 161.81                  | 13.50                     | 12.985             |           |
| 3,200.00                                                                         | 3,199.96              | 3,190.03              | 3,189.23              | 7.01             | 6.94          | 177.61                 |                       | 7.61                                | 179.70                              | 183.65                 | 169.75                  | 13.91                     | 13.205             |           |
| 3,300.00                                                                         | 3,299.86              | 3,289.51              | 3,288.55              | 7.21             | 7.16          | 177.35                 |                       | 8.90                                | 185.36                              | 193.73                 | 179.42                  | 14.32                     | 13.532             |           |
| 3,400.00                                                                         | 3,399.68              | 3,388.81              | 3,387.68              | 7.42             | 7.38          | 177.14                 |                       | 10.19                               | 191.00                              | 205.55                 | 190.82                  | 14.73                     | 13.957             |           |
| 3,500.00                                                                         | 3,499.37              | 3,487.88              | 3,486.58              | 7.63             | 7.59          | 176.97                 |                       | 11.47                               | 196.63                              | 219.10                 | 203.96                  | 15.14                     | 14.471             |           |
| 3,525.23                                                                         | 3,524.50              | 3,512.84              | 3,511.50              | 7.68             | 7.65          | 176.93                 |                       | 11.80                               | 198.05                              | 222.79                 | 207.54                  | 15.25                     | 14.614             |           |
| 3,600.00                                                                         | 3,598.95              | 3,586.78              | 3,585.31              | 7.84             | 7.81          | 176.84                 |                       | 12.75                               | 202.25                              | 233.89                 | 218.33                  | 15.55                     | 15.037             |           |
| 3,700.00                                                                         | 3,698.53              | 3,685.67              | 3,684.04              | 8.06             | 8.04          | 176.73                 |                       | 14.03                               | 207.87                              | 248.73                 | 232.76                  | 15.97                     | 15.576             |           |
| 3,800.00                                                                         | 3,798.11              | 3,784.56              | 3,782.76              | 8.28             | 8.26          | 176.63                 |                       | 15.32                               | 213.49                              | 263.58                 | 247.20                  | 16.39                     | 16.085             |           |
| 3,900.00                                                                         | 3,897.69              | 3,883.45              | 3,881.48              | 8.50             | 8.48          | 176.54                 |                       | 16.60                               | 219.11                              | 278.43                 | 261.62                  | 16.81                     | 16.567             |           |
| 4,000.00                                                                         | 3,997.27              | 3,982.34              | 3,980.20              | 8.73             | 8.70          | 176.47                 |                       | 17.88                               | 224.73                              | 293.28                 | 276.05                  | 17.23                     | 17.023             |           |
| 4,100.00                                                                         | 4,096.85              | 4,081.23              | 4,078.92              | 8.96             | 8.93          | 176.40                 |                       | 19.16                               | 230.35                              | 308.13                 | 290.48                  | 17.65                     | 17.456             |           |
| 4,200.00                                                                         | 4,196.43              | 4,180.13              | 4,177.65              | 9.19             | 9.15          | 176.33                 |                       | 20.44                               | 235.97                              | 322.98                 | 304.90                  | 18.08                     | 17.867             |           |
| 4,300.00                                                                         | 4,296.01              | 4,279.02              | 4,276.37              | 9.42             | 9.38          | 176.27                 |                       | 21.72                               | 241.59                              | 337.83                 | 319.33                  | 18.50                     | 18.258             |           |
| 4,400.00                                                                         | 4,395.59              | 4,377.91              | 4,375.09              | 9.65             | 9.61          | 176.22                 |                       | 23.00                               | 247.21                              | 352.68                 | 333.75                  | 18.93                     | 18.629             |           |
| 4,500.00                                                                         | 4,495.17              | 4,476.80              | 4,473.81              | 9.89             | 9.84          | 176.17                 |                       | 24.28                               | 252.83                              | 367.53                 | 348.17                  | 19.36                     | 18.983             |           |
| 4,600.00                                                                         | 4,594.75              | 4,575.69              | 4,572.54              | 10.13            | 10.06         | 176.12                 |                       | 25.56                               | 258.45                              | 382.38                 | 362.59                  | 19.79                     | 19.320             |           |
| 4,700.00                                                                         | 4,694.33              | 4,674.58              | 4,671.26              | 10.37            | 10.29         | 176.08                 |                       | 26.84                               | 264.07                              | 397.24                 | 377.01                  | 20.22                     | 19.642             |           |
| 4,800.00                                                                         | 4,793.91              | 4,773.47              | 4,769.98              | 10.61            | 10.52         | 176.04                 |                       | 28.12                               | 269.69                              | 412.09                 | 391.43                  | 20.66                     | 19.949             |           |
| 4,900.00                                                                         | 4,893.49              | 4,872.36              | 4,868.70              | 10.85            | 10.75         | 176.01                 |                       | 29.41                               | 275.31                              | 426.94                 | 405.85                  | 21.09                     | 20.242             |           |
| 5,000.00                                                                         | 4,993.07              | 4,971.25              | 4,967.43              | 11.09            | 10.98         | 175.97                 |                       | 30.69                               | 280.93                              | 441.79                 | 420.27                  | 21.53                     | 20.523             |           |

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit Sec 22-27 Trac Pad - Thistle Unit 128H - OH - Plan #2 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: 0.00 usft |  |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|------------------------------|--|
| Survey Program: 0-LEAM MWD+HDGM                                                  |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: 0.00 usft |  |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               | Distance              |                                     |              |                        |                         |                           |                   | Warning                      |  |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                              |  |
| 5,100.00                                                                         | 5,092.65              | 5,070.14              | 5,066.15              | 11.34            | 11.21         | 175.94                | 31.97                               | 286.55       | 456.65                 | 434.68                  | 21.96                     | 20.792            |                              |  |
| 5,200.00                                                                         | 5,192.23              | 5,169.03              | 5,164.87              | 11.58            | 11.44         | 175.91                | 33.25                               | 292.17       | 471.50                 | 449.10                  | 22.40                     | 21.049            |                              |  |
| 5,300.00                                                                         | 5,291.81              | 5,267.92              | 5,263.59              | 11.83            | 11.68         | 175.88                | 34.53                               | 297.79       | 486.35                 | 463.51                  | 22.84                     | 21.296            |                              |  |
| 5,400.00                                                                         | 5,391.39              | 5,366.81              | 5,362.32              | 12.08            | 11.91         | 175.86                | 35.81                               | 303.41       | 501.20                 | 477.93                  | 23.28                     | 21.532            |                              |  |
| 5,500.00                                                                         | 5,490.97              | 5,465.70              | 5,461.04              | 12.33            | 12.14         | 175.83                | 37.09                               | 309.03       | 516.06                 | 492.34                  | 23.72                     | 21.760            |                              |  |
| 5,600.00                                                                         | 5,590.55              | 5,564.59              | 5,559.76              | 12.58            | 12.37         | 175.81                | 38.37                               | 314.65       | 530.91                 | 506.75                  | 24.16                     | 21.978            |                              |  |
| 5,700.00                                                                         | 5,690.13              | 5,663.48              | 5,658.48              | 12.83            | 12.60         | 175.79                | 39.65                               | 320.27       | 545.76                 | 521.16                  | 24.60                     | 22.188            |                              |  |
| 5,800.00                                                                         | 5,789.71              | 5,762.37              | 5,757.21              | 13.08            | 12.84         | 175.77                | 40.93                               | 325.89       | 560.61                 | 535.58                  | 25.04                     | 22.390            |                              |  |
| 5,900.00                                                                         | 5,889.29              | 5,861.26              | 5,855.93              | 13.33            | 13.07         | 175.75                | 42.21                               | 331.51       | 575.47                 | 549.99                  | 25.48                     | 22.584            |                              |  |
| 6,000.00                                                                         | 5,988.87              | 5,960.16              | 5,954.65              | 13.58            | 13.30         | 175.73                | 43.50                               | 337.13       | 590.32                 | 564.40                  | 25.92                     | 22.772            |                              |  |
| 6,100.00                                                                         | 6,088.45              | 6,059.05              | 6,053.37              | 13.84            | 13.54         | 175.71                | 44.78                               | 342.75       | 605.17                 | 578.81                  | 26.37                     | 22.952            |                              |  |
| 6,200.00                                                                         | 6,188.03              | 6,157.94              | 6,152.10              | 14.09            | 13.77         | 175.69                | 46.06                               | 348.37       | 620.03                 | 593.22                  | 26.81                     | 23.126            |                              |  |
| 6,300.00                                                                         | 6,287.61              | 6,256.83              | 6,250.82              | 14.34            | 14.01         | 175.68                | 47.34                               | 353.99       | 634.88                 | 607.63                  | 27.25                     | 23.294            |                              |  |
| 6,400.00                                                                         | 6,387.19              | 6,355.72              | 6,349.54              | 14.60            | 14.24         | 175.66                | 48.62                               | 359.61       | 649.73                 | 622.03                  | 27.70                     | 23.456            |                              |  |
| 6,500.00                                                                         | 6,486.77              | 6,454.61              | 6,448.26              | 14.85            | 14.47         | 175.65                | 49.90                               | 365.23       | 664.59                 | 636.44                  | 28.15                     | 23.613            |                              |  |
| 6,600.00                                                                         | 6,586.35              | 6,553.50              | 6,546.99              | 15.11            | 14.71         | 175.63                | 51.18                               | 370.85       | 679.44                 | 650.85                  | 28.59                     | 23.764            |                              |  |
| 6,700.00                                                                         | 6,685.93              | 6,652.39              | 6,645.71              | 15.37            | 14.94         | 175.62                | 52.46                               | 376.47       | 694.30                 | 665.26                  | 29.04                     | 23.911            |                              |  |
| 6,800.00                                                                         | 6,785.51              | 6,751.28              | 6,744.43              | 15.62            | 15.18         | 175.60                | 53.74                               | 382.09       | 709.15                 | 679.67                  | 29.48                     | 24.053            |                              |  |
| 6,900.00                                                                         | 6,885.09              | 6,850.17              | 6,843.15              | 15.88            | 15.41         | 175.59                | 55.02                               | 387.71       | 724.00                 | 694.07                  | 29.93                     | 24.190            |                              |  |
| 7,000.00                                                                         | 6,984.68              | 6,949.06              | 6,941.88              | 16.14            | 15.65         | 175.58                | 56.30                               | 393.33       | 738.86                 | 708.48                  | 30.38                     | 24.322            |                              |  |
| 7,100.00                                                                         | 7,084.26              | 7,047.95              | 7,040.60              | 16.40            | 15.88         | 175.57                | 57.59                               | 398.95       | 753.71                 | 722.88                  | 30.83                     | 24.451            |                              |  |
| 7,200.00                                                                         | 7,183.84              | 7,146.84              | 7,139.32              | 16.66            | 16.12         | 175.56                | 58.87                               | 404.57       | 768.56                 | 737.29                  | 31.27                     | 24.576            |                              |  |
| 7,300.00                                                                         | 7,283.42              | 7,245.73              | 7,238.04              | 16.91            | 16.36         | 175.55                | 60.15                               | 410.19       | 783.42                 | 751.70                  | 31.72                     | 24.697            |                              |  |
| 7,400.00                                                                         | 7,383.00              | 7,344.62              | 7,336.77              | 17.17            | 16.59         | 175.54                | 61.43                               | 415.81       | 798.27                 | 766.10                  | 32.17                     | 24.814            |                              |  |
| 7,500.00                                                                         | 7,482.58              | 7,443.51              | 7,435.49              | 17.43            | 16.83         | 175.53                | 62.71                               | 421.43       | 813.12                 | 780.51                  | 32.62                     | 24.928            |                              |  |
| 7,600.00                                                                         | 7,582.16              | 7,542.40              | 7,534.21              | 17.69            | 17.06         | 175.52                | 63.99                               | 427.05       | 827.98                 | 794.91                  | 33.07                     | 25.038            |                              |  |
| 7,700.00                                                                         | 7,681.74              | 7,641.30              | 7,632.93              | 17.95            | 17.30         | 175.51                | 65.27                               | 432.67       | 842.83                 | 809.31                  | 33.52                     | 25.146            |                              |  |
| 7,800.00                                                                         | 7,781.32              | 7,740.19              | 7,731.66              | 18.21            | 17.54         | 175.50                | 66.55                               | 438.29       | 857.69                 | 823.72                  | 33.97                     | 25.250            |                              |  |
| 7,900.00                                                                         | 7,880.90              | 7,839.08              | 7,830.38              | 18.47            | 17.77         | 175.49                | 67.83                               | 443.91       | 872.54                 | 838.12                  | 34.42                     | 25.351            |                              |  |
| 8,000.00                                                                         | 7,980.48              | 7,937.97              | 7,929.10              | 18.73            | 18.01         | 175.48                | 69.11                               | 449.53       | 887.39                 | 852.53                  | 34.87                     | 25.450            |                              |  |
| 8,100.00                                                                         | 8,080.06              | 8,036.86              | 8,027.82              | 19.00            | 18.25         | 175.47                | 70.39                               | 455.15       | 902.25                 | 866.93                  | 35.32                     | 25.546            |                              |  |
| 8,200.00                                                                         | 8,179.64              | 8,135.75              | 8,126.55              | 19.26            | 18.48         | 175.47                | 71.68                               | 460.77       | 917.10                 | 881.33                  | 35.77                     | 25.639            |                              |  |
| 8,243.13                                                                         | 8,222.58              | 8,178.40              | 8,169.12              | 19.37            | 18.58         | 175.46                | 72.23                               | 463.19       | 923.51                 | 887.54                  | 35.96                     | 25.678            |                              |  |
| 8,300.00                                                                         | 8,279.24              | 8,234.68              | 8,225.31              | 19.50            | 18.72         | 175.46                | 72.96                               | 466.39       | 931.68                 | 895.47                  | 36.21                     | 25.730            |                              |  |
| 8,400.00                                                                         | 8,378.97              | 8,333.83              | 8,324.29              | 19.70            | 18.96         | 175.46                | 74.24                               | 472.03       | 944.69                 | 908.07                  | 36.62                     | 25.795            |                              |  |
| 8,500.00                                                                         | 8,478.82              | 8,433.19              | 8,423.48              | 19.89            | 19.20         | 175.44                | 75.53                               | 477.67       | 955.98                 | 918.94                  | 37.04                     | 25.812            |                              |  |
| 8,600.00                                                                         | 8,578.74              | 8,532.73              | 8,522.85              | 20.08            | 19.43         | 175.42                | 76.82                               | 483.33       | 965.53                 | 928.08                  | 37.45                     | 25.783            |                              |  |
| 8,700.00                                                                         | 8,678.72              | 8,632.42              | 8,622.37              | 20.26            | 19.67         | 175.39                | 78.11                               | 489.00       | 973.35                 | 935.50                  | 37.86                     | 25.710            |                              |  |
| 8,768.36                                                                         | 8,747.08              | 8,705.61              | 8,695.44              | 20.38            | 19.84         | 85.36                 | 79.04                               | 493.08       | 977.64                 | 939.49                  | 38.15                     | 25.624            |                              |  |
| 8,800.00                                                                         | 8,778.72              | 8,743.64              | 8,733.42              | 20.44            | 19.91         | 85.34                 | 79.46                               | 494.93       | 979.20                 | 940.91                  | 38.30                     | 25.570            |                              |  |
| 8,900.00                                                                         | 8,878.72              | 8,863.97              | 8,853.67              | 20.64            | 20.13         | 85.30                 | 80.42                               | 499.16       | 982.77                 | 944.02                  | 38.75                     | 25.363            |                              |  |
| 9,000.00                                                                         | 8,978.72              | 8,984.43              | 8,974.12              | 20.84            | 20.34         | 85.29                 | 80.83                               | 500.92       | 984.26                 | 945.07                  | 39.19                     | 25.117            |                              |  |
| 9,068.36                                                                         | 9,047.08              | 9,057.19              | 9,046.88              | 20.97            | 20.48         | 85.29                 | 80.84                               | 500.98       | 984.31                 | 944.83                  | 39.47                     | 24.937            |                              |  |
| 9,100.00                                                                         | 9,078.70              | 9,088.82              | 9,078.50              | 21.03            | 20.54         | -94.34                | 80.84                               | 500.98       | 984.37                 | 944.77                  | 39.60                     | 24.860            |                              |  |
| 9,150.00                                                                         | 9,128.44              | 9,138.56              | 9,128.24              | 21.12            | 20.64         | -94.58                | 80.84                               | 500.98       | 984.76                 | 944.96                  | 39.79                     | 24.747            |                              |  |
| 9,200.00                                                                         | 9,177.57              | 9,187.68              | 9,177.37              | 21.21            | 20.74         | -95.03                | 80.84                               | 500.98       | 985.55                 | 945.56                  | 39.99                     | 24.648            |                              |  |
| 9,250.00                                                                         | 9,225.69              | 9,235.80              | 9,225.49              | 21.30            | 20.84         | -95.65                | 80.84                               | 500.98       | 986.85                 | 946.68                  | 40.17                     | 24.564            |                              |  |
| 9,300.00                                                                         | 9,272.46              | 9,282.57              | 9,272.26              | 21.40            | 20.94         | -96.41                | 80.84                               | 500.98       | 988.84                 | 948.48                  | 40.36                     | 24.501            |                              |  |
| 9,350.00                                                                         | 9,317.51              | 9,327.63              | 9,317.31              | 21.49            | 21.03         | -97.25                | 80.84                               | 500.98       | 991.70                 | 951.16                  | 40.54                     | 24.462            |                              |  |
| 9,400.00                                                                         | 9,360.51              | 9,370.62              | 9,360.31              | 21.59            | 21.12         | -98.11                | 80.84                               | 500.98       | 995.65                 | 954.94                  | 40.72                     | 24.453            |                              |  |
| 9,450.00                                                                         | 9,401.12              | 9,411.23              | 9,400.92              | 21.69            | 21.20         | -98.93                | 80.84                               | 500.98       | 1,000.96               | 960.06                  | 40.89                     | 24.478            |                              |  |
| 9,500.00                                                                         | 9,439.03              | 9,449.15              | 9,438.83              | 21.80            | 21.28         | -99.65                | 80.84                               | 500.98       | 1,007.85               | 966.78                  | 41.06                     | 24.544            |                              |  |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit Sec 22-27 Trac Pad - Thistle Unit 128H - OH - Plan #2 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: 0.00 usft |  |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|------------------------------|--|
| Survey Program: O-LEAM MWD+HDGM                                                  |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: 0.00 usft |  |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               | Distance              |                                     |              |                        |                         |                           |                   | Warning                      |  |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                              |  |
| 9,550.00                                                                         | 9,473.97              | 9,484.08              | 9,473.77              | 21.91            | 21.35         | -100.19               | 80.84                               | 500.98       | 1,016.56               | 975.32                  | 41.23                     | 24.654            |                              |  |
| 9,600.00                                                                         | 9,505.65              | 9,515.76              | 9,505.45              | 22.04            | 21.42         | -100.49               | 80.84                               | 500.98       | 1,027.29               | 985.89                  | 41.40                     | 24.814            |                              |  |
| 9,650.00                                                                         | 9,533.84              | 9,543.95              | 9,533.64              | 22.18            | 21.48         | -100.49               | 80.84                               | 500.98       | 1,040.22               | 998.66                  | 41.56                     | 25.028            |                              |  |
| 9,700.00                                                                         | 9,558.33              | 9,568.44              | 9,558.13              | 22.35            | 21.53         | -100.12               | 80.84                               | 500.98       | 1,055.45               | 1,013.73                | 41.72                     | 25.298            |                              |  |
| 9,750.00                                                                         | 9,578.93              | 9,625.12              | 9,614.75              | 22.54            | 21.64         | -101.18               | 78.85                               | 500.99       | 1,072.83               | 1,030.90                | 41.94                     | 25.581            |                              |  |
| 9,800.00                                                                         | 9,595.48              | 9,747.28              | 9,734.50              | 22.75            | 21.85         | -105.12               | 55.84                               | 501.16       | 1,091.09               | 1,048.99                | 42.10                     | 25.914            |                              |  |
| 9,850.00                                                                         | 9,607.86              | 10,005.17             | 9,956.21              | 22.99            | 22.27         | -113.09               | -71.56                              | 502.09       | 1,107.64               | 1,065.97                | 41.66                     | 26.585            |                              |  |
| 9,900.00                                                                         | 9,615.96              | 10,489.53             | 10,139.94             | 23.25            | 23.96         | -117.90               | -504.23                             | 505.25       | 1,112.77               | 1,070.81                | 41.96                     | 26.518            |                              |  |
| 9,950.00                                                                         | 9,619.74              | 10,539.32             | 10,139.31             | 23.55            | 24.26         | -117.88               | -554.01                             | 505.61       | 1,110.70               | 1,068.13                | 42.58                     | 26.086            |                              |  |
| 9,974.90                                                                         | 9,620.00              | 10,564.21             | 10,138.99             | 23.70            | 24.41         | -117.88               | -578.91                             | 505.80       | 1,110.44               | 1,067.56                | 42.88                     | 25.898            |                              |  |
| 10,000.00                                                                        | 9,619.71              | 10,589.31             | 10,138.67             | 27.27            | 24.57         | -117.88               | -604.00                             | 505.98       | 1,110.42               | 1,067.33                | 43.09                     | 25.768            |                              |  |
| 10,100.00                                                                        | 9,618.57              | 10,689.31             | 10,137.41             | 27.34            | 25.28         | -117.87               | -703.99                             | 506.71       | 1,110.37               | 1,066.63                | 43.74                     | 25.388            |                              |  |
| 10,200.00                                                                        | 9,617.43              | 10,789.31             | 10,136.14             | 27.41            | 26.07         | -117.87               | -803.98                             | 507.44       | 1,110.31               | 1,065.83                | 44.49                     | 24.959            |                              |  |
| 10,300.00                                                                        | 9,616.29              | 10,889.31             | 10,134.87             | 27.49            | 26.94         | -117.86               | -903.97                             | 508.17       | 1,110.26               | 1,064.92                | 45.34                     | 24.490            |                              |  |
| 10,400.00                                                                        | 9,615.15              | 10,989.31             | 10,133.60             | 27.57            | 27.88         | -117.85               | -1,003.96                           | 508.90       | 1,110.20               | 1,063.92                | 46.28                     | 23.990            |                              |  |
| 10,500.00                                                                        | 9,614.00              | 11,089.31             | 10,132.33             | 27.66            | 28.88         | -117.85               | -1,103.95                           | 509.63       | 1,110.14               | 1,062.84                | 47.31                     | 23.467            |                              |  |
| 10,600.00                                                                        | 9,612.86              | 11,189.31             | 10,131.06             | 27.74            | 29.93         | -117.84               | -1,203.94                           | 510.36       | 1,110.09               | 1,061.67                | 48.42                     | 22.928            |                              |  |
| 10,700.00                                                                        | 9,611.72              | 11,289.31             | 10,129.80             | 27.83            | 31.04         | -117.84               | -1,303.92                           | 511.09       | 1,110.03               | 1,060.43                | 49.60                     | 22.381            |                              |  |
| 10,800.00                                                                        | 9,610.58              | 11,389.31             | 10,128.53             | 27.92            | 32.19         | -117.83               | -1,403.91                           | 511.82       | 1,109.98               | 1,059.13                | 50.85                     | 21.830            |                              |  |
| 10,900.00                                                                        | 9,609.44              | 11,489.31             | 10,127.26             | 28.02            | 33.38         | -117.82               | -1,503.90                           | 512.55       | 1,109.92               | 1,057.76                | 52.16                     | 21.279            |                              |  |
| 11,000.00                                                                        | 9,608.29              | 11,589.31             | 10,125.99             | 28.12            | 34.61         | -117.82               | -1,603.89                           | 513.28       | 1,109.86               | 1,056.33                | 53.53                     | 20.734            |                              |  |
| 11,100.00                                                                        | 9,607.15              | 11,689.31             | 10,124.72             | 28.22            | 35.87         | -117.81               | -1,703.88                           | 514.01       | 1,109.81               | 1,054.85                | 54.95                     | 20.195            |                              |  |
| 11,200.00                                                                        | 9,606.01              | 11,789.31             | 10,123.45             | 28.32            | 37.16         | -117.81               | -1,803.87                           | 514.74       | 1,109.75               | 1,053.33                | 56.43                     | 19.667            |                              |  |
| 11,300.00                                                                        | 9,604.87              | 11,889.31             | 10,122.19             | 28.43            | 38.48         | -117.80               | -1,903.86                           | 515.47       | 1,109.70               | 1,051.75                | 57.95                     | 19.151            |                              |  |
| 11,400.00                                                                        | 9,603.72              | 11,989.31             | 10,120.92             | 28.55            | 39.82         | -117.79               | -2,003.85                           | 516.20       | 1,109.64               | 1,050.13                | 59.51                     | 18.647            |                              |  |
| 11,500.00                                                                        | 9,602.58              | 12,089.31             | 10,119.65             | 28.67            | 41.19         | -117.79               | -2,103.84                           | 516.93       | 1,109.58               | 1,048.48                | 61.11                     | 18.158            |                              |  |
| 11,600.00                                                                        | 9,601.44              | 12,189.31             | 10,118.38             | 28.80            | 42.57         | -117.78               | -2,203.83                           | 517.66       | 1,109.53               | 1,046.78                | 62.75                     | 17.683            |                              |  |
| 11,700.00                                                                        | 9,600.30              | 12,289.31             | 10,117.11             | 28.93            | 43.97         | -117.78               | -2,303.82                           | 518.39       | 1,109.47               | 1,045.06                | 64.42                     | 17.223            |                              |  |
| 11,800.00                                                                        | 9,599.16              | 12,389.31             | 10,115.84             | 29.08            | 45.39         | -117.77               | -2,403.81                           | 519.12       | 1,109.42               | 1,043.30                | 66.12                     | 16.778            |                              |  |
| 11,900.00                                                                        | 9,598.01              | 12,489.31             | 10,114.58             | 29.24            | 46.82         | -117.77               | -2,503.80                           | 519.85       | 1,109.36               | 1,041.51                | 67.85                     | 16.349            |                              |  |
| 12,000.00                                                                        | 9,596.87              | 12,589.31             | 10,113.31             | 29.42            | 48.26         | -117.76               | -2,603.78                           | 520.58       | 1,109.31               | 1,039.69                | 69.62                     | 15.935            |                              |  |
| 12,100.00                                                                        | 9,595.73              | 12,689.31             | 10,112.04             | 29.62            | 49.72         | -117.75               | -2,703.77                           | 521.31       | 1,109.25               | 1,037.85                | 71.40                     | 15.535            |                              |  |
| 12,200.00                                                                        | 9,594.59              | 12,789.31             | 10,110.77             | 29.85            | 51.18         | -117.75               | -2,803.76                           | 522.04       | 1,109.19               | 1,035.98                | 73.21                     | 15.150            |                              |  |
| 12,300.00                                                                        | 9,593.45              | 12,889.31             | 10,109.50             | 30.10            | 52.66         | -117.74               | -2,903.75                           | 522.77       | 1,109.14               | 1,034.09                | 75.05                     | 14.779            |                              |  |
| 12,400.00                                                                        | 9,592.30              | 12,989.31             | 10,108.23             | 30.40            | 54.15         | -117.74               | -3,003.74                           | 523.50       | 1,109.08               | 1,032.18                | 76.90                     | 14.422            |                              |  |
| 12,500.00                                                                        | 9,591.16              | 13,089.31             | 10,106.97             | 30.73            | 55.64         | -117.73               | -3,103.73                           | 524.23       | 1,109.03               | 1,030.25                | 78.77                     | 14.079            |                              |  |
| 12,600.00                                                                        | 9,590.02              | 13,189.31             | 10,105.70             | 31.09            | 57.14         | -117.72               | -3,203.72                           | 524.96       | 1,108.97               | 1,028.30                | 80.67                     | 13.748            |                              |  |
| 12,700.00                                                                        | 9,588.88              | 13,289.31             | 10,104.43             | 31.49            | 58.65         | -117.72               | -3,303.71                           | 525.69       | 1,108.92               | 1,026.34                | 82.58                     | 13.429            |                              |  |
| 12,800.00                                                                        | 9,587.73              | 13,389.31             | 10,103.16             | 31.93            | 60.17         | -117.71               | -3,403.70                           | 526.42       | 1,108.86               | 1,024.36                | 84.50                     | 13.122            |                              |  |
| 12,900.00                                                                        | 9,586.59              | 13,489.31             | 10,101.89             | 32.38            | 61.69         | -117.71               | -3,503.69                           | 527.15       | 1,108.80               | 1,022.36                | 86.44                     | 12.827            |                              |  |
| 13,000.00                                                                        | 9,585.45              | 13,589.31             | 10,100.62             | 32.87            | 63.22         | -117.70               | -3,603.68                           | 527.88       | 1,108.75               | 1,020.35                | 88.40                     | 12.543            |                              |  |
| 13,100.00                                                                        | 9,584.31              | 13,689.31             | 10,099.35             | 33.37            | 64.76         | -117.70               | -3,703.67                           | 528.61       | 1,108.69               | 1,018.32                | 90.37                     | 12.269            |                              |  |
| 13,200.00                                                                        | 9,583.17              | 13,789.31             | 10,098.09             | 33.88            | 66.30         | -117.69               | -3,803.65                           | 529.34       | 1,108.64               | 1,016.29                | 92.35                     | 12.005            |                              |  |
| 13,300.00                                                                        | 9,582.02              | 13,889.31             | 10,096.82             | 34.42            | 67.84         | -117.68               | -3,903.64                           | 530.07       | 1,108.58               | 1,014.24                | 94.34                     | 11.750            |                              |  |
| 13,400.00                                                                        | 9,580.88              | 13,989.31             | 10,095.55             | 34.96            | 69.39         | -117.68               | -4,003.63                           | 530.80       | 1,108.53               | 1,012.18                | 96.35                     | 11.505            |                              |  |
| 13,500.00                                                                        | 9,579.74              | 14,089.31             | 10,094.28             | 35.52            | 70.94         | -117.67               | -4,103.62                           | 531.53       | 1,108.47               | 1,010.10                | 98.37                     | 11.269            |                              |  |
| 13,600.00                                                                        | 9,578.60              | 14,189.31             | 10,093.01             | 36.09            | 72.50         | -117.67               | -4,203.61                           | 532.26       | 1,108.41               | 1,008.02                | 100.39                    | 11.041            |                              |  |
| 13,700.00                                                                        | 9,577.46              | 14,289.31             | 10,091.74             | 36.67            | 74.06         | -117.66               | -4,303.60                           | 532.99       | 1,108.36               | 1,005.93                | 102.43                    | 10.821            |                              |  |
| 13,800.00                                                                        | 9,576.31              | 14,389.31             | 10,090.48             | 37.25            | 75.62         | -117.65               | -4,403.59                           | 533.72       | 1,108.30               | 1,003.83                | 104.47                    | 10.609            |                              |  |
| 13,900.00                                                                        | 9,575.17              | 14,489.31             | 10,089.21             | 37.84            | 77.18         | -117.65               | -4,503.58                           | 534.45       | 1,108.25               | 1,001.72                | 106.53                    | 10.404            |                              |  |
| 14,000.00                                                                        | 9,574.03              | 14,589.31             | 10,087.94             | 38.45            | 78.75         | -117.64               | -4,603.57                           | 535.18       | 1,108.19               | 999.61                  | 108.59                    | 10.206            |                              |  |
| 14,100.00                                                                        | 9,572.89              | 14,689.31             | 10,086.67             | 39.05            | 80.33         | -117.64               | -4,703.56                           | 535.91       | 1,108.14               | 997.48                  | 110.66                    | 10.014            |                              |  |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit Sec 22-27 Trac Pad - Thistle Unit 128H - OH - Plan #2 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.00 usft |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 0-LEAM MWD+HDGM                                                  |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.00 usft |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   |                    | Warning   |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |           |
| 14,200.00                                                                        | 9,571.75              | 14,789.31             | 10,085.40             | 39.67            | 81.90         | -117.63               | -4,803.55                           | 536.64       | 1,108.08               | 995.35                  | 112.73                    | 9.829             |                    |           |
| 14,300.00                                                                        | 9,570.60              | 14,889.31             | 10,084.13             | 40.29            | 83.48         | -117.62               | -4,903.54                           | 537.37       | 1,108.03               | 993.21                  | 114.82                    | 9.650             |                    |           |
| 14,400.00                                                                        | 9,569.46              | 14,989.31             | 10,082.87             | 40.91            | 85.06         | -117.62               | -5,003.53                           | 538.10       | 1,107.97               | 991.06                  | 116.91                    | 9.477             |                    |           |
| 14,500.00                                                                        | 9,568.32              | 15,089.31             | 10,081.60             | 41.54            | 86.64         | -117.61               | -5,103.51                           | 538.83       | 1,107.91               | 988.91                  | 119.00                    | 9.310             |                    |           |
| 14,600.00                                                                        | 9,567.18              | 15,189.31             | 10,080.33             | 42.18            | 88.22         | -117.61               | -5,203.50                           | 539.56       | 1,107.86               | 986.76                  | 121.10                    | 9.148             |                    |           |
| 14,700.00                                                                        | 9,566.03              | 15,289.31             | 10,079.06             | 42.82            | 89.81         | -117.60               | -5,303.49                           | 540.29       | 1,107.80               | 984.59                  | 123.21                    | 8.991             |                    |           |
| 14,800.00                                                                        | 9,564.89              | 15,389.31             | 10,077.79             | 43.46            | 91.39         | -117.60               | -5,403.48                           | 541.02       | 1,107.75               | 982.42                  | 125.32                    | 8.839             |                    |           |
| 14,900.00                                                                        | 9,563.75              | 15,489.31             | 10,076.52             | 44.11            | 92.98         | -117.59               | -5,503.47                           | 541.75       | 1,107.69               | 980.25                  | 127.44                    | 8.692             |                    |           |
| 15,000.00                                                                        | 9,562.61              | 15,589.31             | 10,075.26             | 44.76            | 94.58         | -117.58               | -5,603.46                           | 542.48       | 1,107.64               | 978.07                  | 129.57                    | 8.549             |                    |           |
| 15,100.00                                                                        | 9,561.47              | 15,689.31             | 10,073.99             | 45.42            | 96.17         | -117.58               | -5,703.45                           | 543.21       | 1,107.58               | 975.89                  | 131.69                    | 8.410             |                    |           |
| 15,200.00                                                                        | 9,560.32              | 15,789.31             | 10,072.72             | 46.08            | 97.76         | -117.57               | -5,803.44                           | 543.94       | 1,107.53               | 973.70                  | 133.83                    | 8.276             |                    |           |
| 15,300.00                                                                        | 9,559.18              | 15,889.31             | 10,071.45             | 46.74            | 99.36         | -117.57               | -5,903.43                           | 544.67       | 1,107.47               | 971.51                  | 135.96                    | 8.145             |                    |           |
| 15,400.00                                                                        | 9,558.04              | 15,989.31             | 10,070.18             | 47.41            | 100.95        | -117.56               | -6,003.42                           | 545.40       | 1,107.42               | 969.31                  | 138.10                    | 8.019             |                    |           |
| 15,500.00                                                                        | 9,556.90              | 16,089.31             | 10,068.91             | 48.08            | 102.55        | -117.55               | -6,103.41                           | 546.13       | 1,107.36               | 967.11                  | 140.25                    | 7.896             |                    |           |
| 15,600.00                                                                        | 9,555.76              | 16,189.31             | 10,067.65             | 48.75            | 104.15        | -117.55               | -6,203.40                           | 546.86       | 1,107.30               | 964.91                  | 142.40                    | 7.776             |                    |           |
| 15,700.00                                                                        | 9,554.61              | 16,289.31             | 10,066.38             | 49.43            | 105.75        | -117.54               | -6,303.39                           | 547.59       | 1,107.25               | 962.70                  | 144.55                    | 7.660             |                    |           |
| 15,800.00                                                                        | 9,553.47              | 16,389.31             | 10,065.11             | 50.10            | 107.35        | -117.54               | -6,403.37                           | 548.32       | 1,107.19               | 960.49                  | 146.70                    | 7.547             |                    |           |
| 15,900.00                                                                        | 9,552.33              | 16,489.31             | 10,063.84             | 50.79            | 108.96        | -117.53               | -6,503.36                           | 549.05       | 1,107.14               | 958.28                  | 148.86                    | 7.437             |                    |           |
| 16,000.00                                                                        | 9,551.19              | 16,589.31             | 10,062.57             | 51.47            | 110.56        | -117.53               | -6,603.35                           | 549.78       | 1,107.08               | 956.06                  | 151.03                    | 7.330             |                    |           |
| 16,100.00                                                                        | 9,550.05              | 16,689.31             | 10,061.30             | 52.15            | 112.17        | -117.52               | -6,703.34                           | 550.51       | 1,107.03               | 953.84                  | 153.19                    | 7.227             |                    |           |
| 16,200.00                                                                        | 9,548.90              | 16,789.31             | 10,060.03             | 52.84            | 113.77        | -117.51               | -6,803.33                           | 551.24       | 1,106.97               | 951.61                  | 155.36                    | 7.125             |                    |           |
| 16,300.00                                                                        | 9,547.76              | 16,889.31             | 10,058.77             | 53.53            | 115.38        | -117.51               | -6,903.32                           | 551.97       | 1,106.92               | 949.39                  | 157.53                    | 7.027             |                    |           |
| 16,400.00                                                                        | 9,546.62              | 16,989.31             | 10,057.50             | 54.22            | 116.99        | -117.50               | -7,003.31                           | 552.70       | 1,106.86               | 947.16                  | 159.70                    | 6.931             |                    |           |
| 16,500.00                                                                        | 9,545.48              | 17,089.31             | 10,056.23             | 54.92            | 118.60        | -117.50               | -7,103.30                           | 553.43       | 1,106.81               | 944.93                  | 161.88                    | 6.837             |                    |           |
| 16,600.00                                                                        | 9,544.33              | 17,189.31             | 10,054.96             | 55.61            | 120.21        | -117.49               | -7,203.29                           | 554.15       | 1,106.75               | 942.70                  | 164.06                    | 6.746             |                    |           |
| 16,700.00                                                                        | 9,543.19              | 17,289.31             | 10,053.69             | 56.31            | 121.82        | -117.48               | -7,303.28                           | 554.88       | 1,106.70               | 940.46                  | 166.24                    | 6.657             |                    |           |
| 16,800.00                                                                        | 9,542.05              | 17,389.31             | 10,052.42             | 57.01            | 123.43        | -117.48               | -7,403.27                           | 555.61       | 1,106.64               | 938.22                  | 168.42                    | 6.571             |                    |           |
| 16,900.00                                                                        | 9,540.91              | 17,489.31             | 10,051.16             | 57.71            | 125.04        | -117.47               | -7,503.26                           | 556.34       | 1,106.59               | 935.98                  | 170.61                    | 6.486             |                    |           |
| 16,979.53                                                                        | 9,540.00              | 17,568.83             | 10,050.15             | 58.27            | 126.07        | -117.47               | -7,582.78                           | 556.93       | 1,106.54               | 934.44                  | 172.10                    | 6.430 SF          |                    |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit Sec 22-27 Trac Pad - Thistle Unit 165H - OH - Plan #2 |                             |                             |                             |                     |                  |                             |                                           |                 |                              |                               |                                 | Offset Site Error:   | 0.00 usft |
|----------------------------------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|-----------------------------|-------------------------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|----------------------|-----------|
| Survey Program: 0-LEAM MWD+HDGM                                                  |                             |                             |                             |                     |                  |                             |                                           |                 |                              |                               |                                 | Offset Well Error:   | 0.00 usft |
| Reference                                                                        |                             | Offset                      |                             | Semi Major Axis     |                  | Highside<br>Toolface<br>(°) | Distance                                  |                 | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning   |
| Measured<br>Depth<br>(usft)                                                      | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | Offset Wellbore Centre<br>+N/-S<br>(usft) | +E/-W<br>(usft) |                              |                               |                                 |                      |           |
| 0.00                                                                             | 0.00                        | 0.00                        | 0.00                        | 0.00                | 0.00             | 89.67                       | 0.70                                      | 119.97          | 119.97                       |                               |                                 |                      |           |
| 100.00                                                                           | 100.00                      | 99.80                       | 99.80                       | 0.09                | 0.09             | 89.67                       | 0.70                                      | 119.97          | 119.97                       | 119.80                        | 0.17                            | 698.428              |           |
| 200.00                                                                           | 200.00                      | 199.80                      | 199.80                      | 0.31                | 0.31             | 89.67                       | 0.70                                      | 119.97          | 119.97                       | 119.35                        | 0.62                            | 193.183              |           |
| 300.00                                                                           | 300.00                      | 299.80                      | 299.80                      | 0.54                | 0.54             | 89.67                       | 0.70                                      | 119.97          | 119.97                       | 118.90                        | 1.07                            | 112.065              |           |
| 400.00                                                                           | 400.00                      | 399.80                      | 399.80                      | 0.76                | 0.76             | 89.67                       | 0.70                                      | 119.97          | 119.97                       | 118.45                        | 1.52                            | 78.924               |           |
| 500.00                                                                           | 500.00                      | 499.80                      | 499.80                      | 0.99                | 0.98             | 89.67                       | 0.70                                      | 119.97          | 119.97                       | 118.00                        | 1.97                            | 60.911               |           |
| 600.00                                                                           | 600.00                      | 599.80                      | 599.80                      | 1.21                | 1.21             | 89.67                       | 0.70                                      | 119.97          | 119.97                       | 117.55                        | 2.42                            | 49.592               |           |
| 700.00                                                                           | 700.00                      | 699.80                      | 699.80                      | 1.43                | 1.43             | 89.67                       | 0.70                                      | 119.97          | 119.97                       | 117.10                        | 2.87                            | 41.821               |           |
| 800.00                                                                           | 800.00                      | 799.80                      | 799.80                      | 1.66                | 1.66             | 89.67                       | 0.70                                      | 119.97          | 119.97                       | 116.65                        | 3.32                            | 36.156               |           |
| 900.00                                                                           | 900.00                      | 899.80                      | 899.80                      | 1.88                | 1.88             | 89.67                       | 0.70                                      | 119.97          | 119.97                       | 116.20                        | 3.77                            | 31.842               |           |
| 1,000.00                                                                         | 1,000.00                    | 999.80                      | 999.80                      | 2.11                | 2.11             | 89.67                       | 0.70                                      | 119.97          | 119.97                       | 115.75                        | 4.22                            | 28.448               |           |
| 1,100.00                                                                         | 1,100.00                    | 1,099.80                    | 1,099.80                    | 2.33                | 2.33             | 89.67                       | 0.70                                      | 119.97          | 119.97                       | 115.31                        | 4.67                            | 25.707               |           |
| 1,200.00                                                                         | 1,200.00                    | 1,199.80                    | 1,199.80                    | 2.56                | 2.56             | 89.67                       | 0.70                                      | 119.97          | 119.97                       | 114.86                        | 5.12                            | 23.449               |           |
| 1,300.00                                                                         | 1,300.00                    | 1,299.80                    | 1,299.80                    | 2.78                | 2.78             | 89.67                       | 0.70                                      | 119.97          | 119.97                       | 114.41                        | 5.57                            | 21.555               |           |
| 1,400.00                                                                         | 1,400.00                    | 1,399.80                    | 1,399.80                    | 3.01                | 3.01             | 89.67                       | 0.70                                      | 119.97          | 119.97                       | 113.96                        | 6.02                            | 19.944               |           |
| 1,500.00                                                                         | 1,500.00                    | 1,499.80                    | 1,499.80                    | 3.23                | 3.23             | 89.67                       | 0.70                                      | 119.97          | 119.97                       | 113.51                        | 6.46                            | 18.557               |           |
| 1,600.00                                                                         | 1,600.00                    | 1,599.80                    | 1,599.80                    | 3.46                | 3.46             | 89.67                       | 0.70                                      | 119.97          | 119.97                       | 113.06                        | 6.91                            | 17.351               |           |
| 1,700.00                                                                         | 1,700.00                    | 1,699.80                    | 1,699.80                    | 3.68                | 3.68             | 89.67                       | 0.70                                      | 119.97          | 119.97                       | 112.61                        | 7.36                            | 16.292               |           |
| 1,800.00                                                                         | 1,800.00                    | 1,799.80                    | 1,799.80                    | 3.91                | 3.91             | 89.67                       | 0.70                                      | 119.97          | 119.97                       | 112.16                        | 7.81                            | 15.354               |           |
| 1,900.00                                                                         | 1,900.00                    | 1,899.80                    | 1,899.80                    | 4.13                | 4.13             | 89.67                       | 0.70                                      | 119.97          | 119.97                       | 111.71                        | 8.26                            | 14.519               |           |
| 2,000.00                                                                         | 2,000.00                    | 1,999.80                    | 1,999.80                    | 4.36                | 4.36             | 89.67                       | 0.70                                      | 119.97          | 119.97                       | 111.26                        | 8.71                            | 13.770               |           |
| 2,100.00                                                                         | 2,100.00                    | 2,099.80                    | 2,099.80                    | 4.58                | 4.58             | 89.67                       | 0.70                                      | 119.97          | 119.97                       | 110.81                        | 9.16                            | 13.094               |           |
| 2,200.00                                                                         | 2,200.00                    | 2,199.80                    | 2,199.80                    | 4.81                | 4.81             | 89.67                       | 0.70                                      | 119.97          | 119.97                       | 110.36                        | 9.61                            | 12.482               |           |
| 2,300.00                                                                         | 2,300.00                    | 2,299.80                    | 2,299.80                    | 5.03                | 5.03             | 89.67                       | 0.70                                      | 119.97          | 119.97                       | 109.91                        | 10.06                           | 11.924               |           |
| 2,400.00                                                                         | 2,400.00                    | 2,399.80                    | 2,399.80                    | 5.26                | 5.26             | 89.67                       | 0.70                                      | 119.97          | 119.97                       | 109.46                        | 10.51                           | 11.414               |           |
| 2,500.00                                                                         | 2,500.00                    | 2,499.80                    | 2,499.80                    | 5.48                | 5.48             | 89.67                       | 0.70                                      | 119.97          | 119.97                       | 109.01                        | 10.96                           | 10.946               |           |
| 2,600.00                                                                         | 2,600.00                    | 2,599.80                    | 2,599.80                    | 5.71                | 5.70             | 89.67                       | 0.70                                      | 119.97          | 119.97                       | 108.56                        | 11.41                           | 10.515               |           |
| 2,700.00                                                                         | 2,700.00                    | 2,699.80                    | 2,699.80                    | 5.93                | 5.93             | 89.67                       | 0.70                                      | 119.97          | 119.97                       | 108.11                        | 11.86                           | 10.116               |           |
| 2,800.00                                                                         | 2,800.00                    | 2,799.80                    | 2,799.80                    | 6.15                | 6.15             | 89.67                       | 0.70                                      | 119.97          | 119.97                       | 107.66                        | 12.31                           | 9.747                |           |
| 2,900.00                                                                         | 2,900.00                    | 2,899.80                    | 2,899.80                    | 6.38                | 6.38             | 89.67                       | 0.70                                      | 119.97          | 119.97                       | 107.21                        | 12.76                           | 9.403                |           |
| 3,000.00                                                                         | 3,000.00                    | 2,999.80                    | 2,999.80                    | 6.60                | 6.60             | 89.67                       | 0.70                                      | 119.97          | 119.97                       | 106.76                        | 13.21                           | 9.083 CC, ES         |           |
| 3,100.00                                                                         | 3,099.99                    | 3,099.79                    | 3,099.79                    | 6.81                | 6.83             | 179.67                      | 0.70                                      | 119.97          | 120.84                       | 107.20                        | 13.64                           | 8.858                |           |
| 3,200.00                                                                         | 3,199.96                    | 3,199.76                    | 3,199.76                    | 7.01                | 7.05             | 179.67                      | 0.70                                      | 119.97          | 123.46                       | 109.40                        | 14.06                           | 8.778                |           |
| 3,300.00                                                                         | 3,299.86                    | 3,299.66                    | 3,299.66                    | 7.21                | 7.28             | 179.69                      | 0.70                                      | 119.97          | 127.82                       | 113.34                        | 14.49                           | 8.823                |           |
| 3,400.00                                                                         | 3,399.68                    | 3,399.48                    | 3,399.48                    | 7.42                | 7.50             | 179.70                      | 0.70                                      | 119.97          | 133.93                       | 119.02                        | 14.91                           | 8.981                |           |
| 3,500.00                                                                         | 3,499.37                    | 3,499.17                    | 3,499.17                    | 7.63                | 7.73             | 179.72                      | 0.70                                      | 119.97          | 141.77                       | 126.44                        | 15.34                           | 9.243                |           |
| 3,525.23                                                                         | 3,524.50                    | 3,523.83                    | 3,523.83                    | 7.68                | 7.78             | 179.71                      | 0.73                                      | 120.01          | 144.07                       | 128.62                        | 15.44                           | 9.328                |           |
| 3,600.00                                                                         | 3,598.95                    | 3,596.74                    | 3,596.74                    | 7.84                | 7.94             | 179.54                      | 1.21                                      | 120.61          | 151.53                       | 135.77                        | 15.76                           | 9.618                |           |
| 3,700.00                                                                         | 3,698.53                    | 3,694.00                    | 3,693.96                    | 8.06                | 8.15             | 179.03                      | 2.74                                      | 122.54          | 162.68                       | 146.52                        | 16.16                           | 10.065               |           |
| 3,800.00                                                                         | 3,798.11                    | 3,790.91                    | 3,790.78                    | 8.28                | 8.36             | 178.25                      | 5.29                                      | 125.75          | 175.19                       | 158.62                        | 16.57                           | 10.574               |           |
| 3,900.00                                                                         | 3,897.69                    | 3,888.41                    | 3,888.12                    | 8.50                | 8.57             | 177.30                      | 8.81                                      | 130.17          | 188.98                       | 172.00                        | 16.98                           | 11.132               |           |
| 4,000.00                                                                         | 3,997.27                    | 3,987.36                    | 3,986.89                    | 8.73                | 8.79             | 176.41                      | 12.57                                     | 134.91          | 203.07                       | 185.68                        | 17.40                           | 11.674               |           |
| 4,100.00                                                                         | 4,096.85                    | 4,086.32                    | 4,085.66                    | 8.96                | 9.01             | 175.64                      | 16.34                                     | 139.65          | 217.21                       | 199.40                        | 17.82                           | 12.191               |           |
| 4,200.00                                                                         | 4,196.43                    | 4,185.27                    | 4,184.43                    | 9.19                | 9.22             | 174.97                      | 20.10                                     | 144.38          | 231.39                       | 213.14                        | 18.24                           | 12.685               |           |
| 4,300.00                                                                         | 4,296.01                    | 4,284.23                    | 4,283.20                    | 9.42                | 9.44             | 174.37                      | 23.86                                     | 149.12          | 245.59                       | 226.92                        | 18.67                           | 13.156               |           |
| 4,400.00                                                                         | 4,395.59                    | 4,383.18                    | 4,381.97                    | 9.65                | 9.66             | 173.83                      | 27.63                                     | 153.85          | 259.81                       | 240.71                        | 19.09                           | 13.606               |           |
| 4,500.00                                                                         | 4,495.17                    | 4,482.14                    | 4,480.74                    | 9.89                | 9.89             | 173.35                      | 31.39                                     | 158.59          | 274.05                       | 254.53                        | 19.52                           | 14.037               |           |
| 4,600.00                                                                         | 4,594.75                    | 4,581.10                    | 4,579.51                    | 10.13               | 10.11            | 172.92                      | 35.15                                     | 163.32          | 288.31                       | 268.36                        | 19.95                           | 14.448               |           |
| 4,700.00                                                                         | 4,694.33                    | 4,680.05                    | 4,678.28                    | 10.37               | 10.33            | 172.53                      | 38.92                                     | 168.06          | 302.59                       | 282.20                        | 20.39                           | 14.842               |           |
| 4,800.00                                                                         | 4,793.91                    | 4,779.01                    | 4,777.05                    | 10.61               | 10.56            | 172.18                      | 42.68                                     | 172.79          | 316.88                       | 296.06                        | 20.82                           | 15.220               |           |
| 4,900.00                                                                         | 4,893.49                    | 4,877.96                    | 4,875.82                    | 10.85               | 10.78            | 171.85                      | 46.44                                     | 177.53          | 331.17                       | 309.92                        | 21.25                           | 15.581               |           |
| 5,000.00                                                                         | 4,993.07                    | 4,976.92                    | 4,974.59                    | 11.09               | 11.01            | 171.56                      | 50.21                                     | 182.27          | 345.48                       | 323.79                        | 21.69                           | 15.928               |           |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit Sec 22-27 Trac Pad - Thistle Unit 165H - OH - Plan #2 |                             |                             |                             |                     |                  |                             |                                           |                 |                              |                               |                                 |                      | Offset Site Error: | 0.00 usft |
|----------------------------------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|-----------------------------|-------------------------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|----------------------|--------------------|-----------|
| Survey Program: O-LEAM MWD+HDGM                                                  |                             |                             |                             |                     |                  |                             |                                           |                 |                              |                               |                                 |                      | Offset Well Error: | 0.00 usft |
| Reference                                                                        |                             | Offset                      |                             | Semi Major Axis     |                  | Highside<br>Toolface<br>(°) | Distance                                  |                 | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning            |           |
| Measured<br>Depth<br>(usft)                                                      | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | Offset Wellbore Centre<br>+N/-S<br>(usft) | +E/-W<br>(usft) |                              |                               |                                 |                      |                    |           |
| 5,100.00                                                                         | 5,092.65                    | 5,075.88                    | 5,073.37                    | 11.34               | 11.23            | 171.28                      | 53.97                                     | 187.00          | 359.80                       | 337.67                        | 22.13                           | 16.260               |                    |           |
| 5,200.00                                                                         | 5,192.23                    | 5,174.83                    | 5,172.14                    | 11.58               | 11.46            | 171.03                      | 57.73                                     | 191.74          | 374.12                       | 351.56                        | 22.57                           | 16.579               |                    |           |
| 5,300.00                                                                         | 5,291.81                    | 5,273.79                    | 5,270.91                    | 11.83               | 11.69            | 170.80                      | 61.50                                     | 196.47          | 388.45                       | 365.45                        | 23.00                           | 16.886               |                    |           |
| 5,400.00                                                                         | 5,391.39                    | 5,372.74                    | 5,369.68                    | 12.08               | 11.91            | 170.58                      | 65.26                                     | 201.21          | 402.79                       | 379.35                        | 23.44                           | 17.181               |                    |           |
| 5,500.00                                                                         | 5,490.97                    | 5,471.70                    | 5,468.45                    | 12.33               | 12.14            | 170.37                      | 69.02                                     | 205.94          | 417.13                       | 393.25                        | 23.88                           | 17.464               |                    |           |
| 5,600.00                                                                         | 5,590.55                    | 5,570.65                    | 5,567.22                    | 12.58               | 12.37            | 170.19                      | 72.79                                     | 210.68          | 431.48                       | 407.15                        | 24.33                           | 17.737               |                    |           |
| 5,700.00                                                                         | 5,690.13                    | 5,669.61                    | 5,665.99                    | 12.83               | 12.60            | 170.01                      | 76.55                                     | 215.41          | 445.83                       | 421.06                        | 24.77                           | 18.000               |                    |           |
| 5,800.00                                                                         | 5,789.71                    | 5,768.57                    | 5,764.76                    | 13.08               | 12.83            | 169.84                      | 80.31                                     | 220.15          | 460.18                       | 434.97                        | 25.21                           | 18.253               |                    |           |
| 5,900.00                                                                         | 5,889.29                    | 5,867.52                    | 5,863.53                    | 13.33               | 13.06            | 169.69                      | 84.08                                     | 224.89          | 474.54                       | 448.89                        | 25.66                           | 18.497               |                    |           |
| 6,000.00                                                                         | 5,988.87                    | 5,966.48                    | 5,962.30                    | 13.58               | 13.29            | 169.54                      | 87.84                                     | 229.62          | 488.90                       | 462.80                        | 26.10                           | 18.732               |                    |           |
| 6,100.00                                                                         | 6,088.45                    | 6,065.43                    | 6,061.07                    | 13.84               | 13.52            | 169.40                      | 91.60                                     | 234.36          | 503.27                       | 476.72                        | 26.54                           | 18.959               |                    |           |
| 6,200.00                                                                         | 6,188.03                    | 6,164.39                    | 6,159.84                    | 14.09               | 13.75            | 169.27                      | 95.37                                     | 239.09          | 517.63                       | 490.64                        | 26.99                           | 19.179               |                    |           |
| 6,300.00                                                                         | 6,287.61                    | 6,263.35                    | 6,258.61                    | 14.34               | 13.98            | 169.15                      | 99.13                                     | 243.83          | 532.00                       | 504.57                        | 27.44                           | 19.391               |                    |           |
| 6,400.00                                                                         | 6,387.19                    | 6,362.30                    | 6,357.39                    | 14.60               | 14.22            | 169.03                      | 102.89                                    | 248.56          | 546.38                       | 518.49                        | 27.88                           | 19.595               |                    |           |
| 6,500.00                                                                         | 6,486.77                    | 6,461.26                    | 6,456.16                    | 14.85               | 14.45            | 168.92                      | 106.66                                    | 253.30          | 560.75                       | 532.42                        | 28.33                           | 19.793               |                    |           |
| 6,600.00                                                                         | 6,586.35                    | 6,560.21                    | 6,554.93                    | 15.11               | 14.68            | 168.81                      | 110.42                                    | 258.03          | 575.13                       | 546.35                        | 28.78                           | 19.985               |                    |           |
| 6,700.00                                                                         | 6,685.93                    | 6,659.57                    | 6,654.09                    | 15.37               | 14.91            | 168.71                      | 114.20                                    | 262.79          | 589.50                       | 560.28                        | 29.23                           | 20.170               |                    |           |
| 6,800.00                                                                         | 6,785.51                    | 6,768.76                    | 6,763.14                    | 15.62               | 15.12            | 168.66                      | 117.65                                    | 267.14          | 602.98                       | 573.29                        | 29.68                           | 20.314               |                    |           |
| 6,900.00                                                                         | 6,885.09                    | 6,878.43                    | 6,872.75                    | 15.88               | 15.32            | 168.69                      | 119.82                                    | 269.86          | 614.77                       | 584.64                        | 30.12                           | 20.409               |                    |           |
| 7,000.00                                                                         | 6,984.68                    | 6,988.49                    | 6,982.81                    | 16.14               | 15.52            | 168.82                      | 120.68                                    | 270.95          | 624.86                       | 594.31                        | 30.55                           | 20.452               |                    |           |
| 7,100.00                                                                         | 7,084.26                    | 7,089.74                    | 7,084.06                    | 16.40               | 15.71            | 168.98                      | 120.70                                    | 270.97          | 633.87                       | 602.89                        | 30.98                           | 20.462               |                    |           |
| 7,200.00                                                                         | 7,183.84                    | 7,189.32                    | 7,183.64                    | 16.66               | 15.93            | 169.13                      | 120.70                                    | 270.97          | 642.86                       | 611.43                        | 31.42                           | 20.459               |                    |           |
| 7,300.00                                                                         | 7,283.42                    | 7,288.90                    | 7,283.22                    | 16.91               | 16.14            | 169.29                      | 120.70                                    | 270.97          | 651.85                       | 619.98                        | 31.87                           | 20.455               |                    |           |
| 7,400.00                                                                         | 7,383.00                    | 7,388.48                    | 7,382.80                    | 17.17               | 16.36            | 169.43                      | 120.70                                    | 270.97          | 660.85                       | 628.53                        | 32.31                           | 20.450               |                    |           |
| 7,500.00                                                                         | 7,482.58                    | 7,488.06                    | 7,482.38                    | 17.43               | 16.58            | 169.58                      | 120.70                                    | 270.97          | 669.85                       | 637.09                        | 32.76                           | 20.446               |                    |           |
| 7,600.00                                                                         | 7,582.16                    | 7,587.64                    | 7,581.96                    | 17.69               | 16.80            | 169.72                      | 120.70                                    | 270.97          | 678.86                       | 645.65                        | 33.21                           | 20.442               |                    |           |
| 7,700.00                                                                         | 7,681.74                    | 7,687.22                    | 7,681.54                    | 17.95               | 17.02            | 169.85                      | 120.70                                    | 270.97          | 687.87                       | 654.21                        | 33.66                           | 20.438               |                    |           |
| 7,800.00                                                                         | 7,781.32                    | 7,786.80                    | 7,781.12                    | 18.21               | 17.24            | 169.98                      | 120.70                                    | 270.97          | 696.88                       | 662.78                        | 34.10                           | 20.433               |                    |           |
| 7,900.00                                                                         | 7,880.90                    | 7,886.38                    | 7,880.70                    | 18.47               | 17.45            | 170.11                      | 120.70                                    | 270.97          | 705.90                       | 671.34                        | 34.55                           | 20.429               |                    |           |
| 8,000.00                                                                         | 7,980.48                    | 7,985.96                    | 7,980.28                    | 18.73               | 17.67            | 170.24                      | 120.70                                    | 270.97          | 714.92                       | 679.92                        | 35.00                           | 20.425               |                    |           |
| 8,100.00                                                                         | 8,080.06                    | 8,085.54                    | 8,079.86                    | 19.00               | 17.89            | 170.36                      | 120.70                                    | 270.97          | 723.94                       | 688.49                        | 35.45                           | 20.422               |                    |           |
| 8,200.00                                                                         | 8,179.64                    | 8,185.12                    | 8,179.44                    | 19.26               | 18.11            | 170.48                      | 120.70                                    | 270.97          | 732.97                       | 697.07                        | 35.90                           | 20.418               |                    |           |
| 8,243.13                                                                         | 8,222.58                    | 8,228.07                    | 8,222.38                    | 19.37               | 18.21            | 170.53                      | 120.70                                    | 270.97          | 736.87                       | 700.77                        | 36.09                           | 20.416               |                    |           |
| 8,300.00                                                                         | 8,279.24                    | 8,284.72                    | 8,279.04                    | 19.50               | 18.33            | 170.60                      | 120.70                                    | 270.97          | 741.72                       | 705.39                        | 36.34                           | 20.412               |                    |           |
| 8,400.00                                                                         | 8,378.97                    | 8,384.46                    | 8,378.77                    | 19.70               | 18.55            | 170.71                      | 120.70                                    | 270.97          | 748.92                       | 712.18                        | 36.75                           | 20.380               |                    |           |
| 8,500.00                                                                         | 8,478.82                    | 8,484.30                    | 8,478.62                    | 19.89               | 18.77            | 170.78                      | 120.70                                    | 270.97          | 754.40                       | 717.25                        | 37.16                           | 20.303               |                    |           |
| 8,600.00                                                                         | 8,578.74                    | 8,584.23                    | 8,578.54                    | 20.08               | 18.99            | 170.84                      | 120.70                                    | 270.97          | 758.17                       | 720.60                        | 37.57                           | 20.182               |                    |           |
| 8,700.00                                                                         | 8,678.72                    | 8,684.20                    | 8,678.52                    | 20.26               | 19.21            | 170.86                      | 120.70                                    | 270.97          | 760.21                       | 722.23                        | 37.97                           | 20.019               |                    |           |
| 8,768.36                                                                         | 8,747.08                    | 8,752.56                    | 8,746.88                    | 20.38               | 19.36            | 80.87                       | 120.70                                    | 270.97          | 760.61                       | 722.35                        | 38.25                           | 19.884               |                    |           |
| 8,800.00                                                                         | 8,778.72                    | 8,784.20                    | 8,778.52                    | 20.44               | 19.43            | 80.87                       | 120.70                                    | 270.97          | 760.61                       | 722.22                        | 38.39                           | 19.814               |                    |           |
| 8,900.00                                                                         | 8,878.72                    | 8,884.20                    | 8,878.52                    | 20.64               | 19.65            | 80.87                       | 120.70                                    | 270.97          | 760.61                       | 721.79                        | 38.82                           | 19.594               |                    |           |
| 9,000.00                                                                         | 8,978.72                    | 8,984.20                    | 8,978.52                    | 20.84               | 19.87            | 80.87                       | 120.70                                    | 270.97          | 760.61                       | 721.36                        | 39.25                           | 19.378               |                    |           |
| 9,068.36                                                                         | 9,047.08                    | 9,052.56                    | 9,046.88                    | 20.97               | 20.02            | 80.87                       | 120.70                                    | 270.97          | 760.61                       | 721.06                        | 39.55                           | 19.233               |                    |           |
| 9,100.00                                                                         | 9,078.70                    | 9,092.11                    | 9,086.39                    | 21.03               | 20.10            | -98.70                      | 119.35                                    | 270.98          | 760.58                       | 720.89                        | 39.69                           | 19.164               |                    |           |
| 9,150.00                                                                         | 9,128.44                    | 9,154.56                    | 9,148.35                    | 21.12               | 20.20            | -98.60                      | 111.68                                    | 271.04          | 760.39                       | 720.52                        | 39.88                           | 19.069               |                    |           |
| 9,200.00                                                                         | 9,177.57                    | 9,216.73                    | 9,208.82                    | 21.21               | 20.30            | -98.42                      | 97.39                                     | 271.14          | 760.06                       | 720.01                        | 40.04                           | 18.982               |                    |           |
| 9,250.00                                                                         | 9,225.69                    | 9,278.45                    | 9,266.98                    | 21.30               | 20.39            | -98.16                      | 76.81                                     | 271.29          | 759.58                       | 719.38                        | 40.19                           | 18.897               |                    |           |
| 9,300.00                                                                         | 9,272.46                    | 9,339.57                    | 9,322.06                    | 21.40               | 20.47            | -97.83                      | 50.39                                     | 271.49          | 758.97                       | 718.63                        | 40.34                           | 18.812               |                    |           |
| 9,350.00                                                                         | 9,317.51                    | 9,399.96                    | 9,373.41                    | 21.49               | 20.55            | -97.42                      | 18.67                                     | 271.72          | 758.27                       | 717.78                        | 40.50                           | 18.723               |                    |           |
| 9,400.00                                                                         | 9,360.51                    | 9,459.51                    | 9,420.51                    | 21.59               | 20.63            | -96.95                      | -17.72                                    | 271.99          | 757.51                       | 716.83                        | 40.67                           | 18.624               |                    |           |
| 9,450.00                                                                         | 9,401.12                    | 9,518.13                    | 9,462.94                    | 21.69               | 20.71            | -96.42                      | -58.14                                    | 272.29          | 756.70                       | 715.82                        | 40.87                           | 18.513               |                    |           |
| 9,500.00                                                                         | 9,439.03                    | 9,575.76                    | 9,500.41                    | 21.80               | 20.79            | -95.84                      | -101.89                                   | 272.62          | 755.88                       | 714.77                        | 41.11                           | 18.385               |                    |           |

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design                   |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Thistle Unit Sec 22-27 Trac Pad - Thistle Unit 165H - OH - Plan #2 |         | Offset Site Error: 0.00 usft |  |
|---------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------------------------------------------------------|---------|------------------------------|--|
| Survey Program: O-LEAM MWD+HDGM |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: 0.00 usft                                       |         |                              |  |
| Reference                       |                       | Offset                |                       | Semi Major Axis  |               | Distance              |                                     |              |                        |                         |                           |                   |                                                                    | Warning |                              |  |
| Measured Depth (usft)           | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                                                                    |         |                              |  |
| 9,550.00                        | 9,473.97              | 9,632.37              | 9,532.76              | 21.91            | 20.90         | -95.22                | -148.31                             | 272.96       | 755.08                 | 713.69                  | 41.39                     | 18.242            |                                                                    |         |                              |  |
| 9,600.00                        | 9,505.65              | 9,687.92              | 9,559.90              | 22.04            | 21.04         | -94.56                | -196.76                             | 273.32       | 754.33                 | 712.61                  | 41.72                     | 18.081            |                                                                    |         |                              |  |
| 9,650.00                        | 9,533.84              | 9,742.43              | 9,581.85              | 22.18            | 21.21         | -93.86                | -246.62                             | 273.69       | 753.65                 | 711.56                  | 42.09                     | 17.904            |                                                                    |         |                              |  |
| 9,700.00                        | 9,558.33              | 9,795.89              | 9,598.68              | 22.35            | 21.41         | -93.15                | -297.34                             | 274.06       | 753.06                 | 710.55                  | 42.51                     | 17.713            |                                                                    |         |                              |  |
| 9,750.00                        | 9,578.93              | 9,848.33              | 9,610.53              | 22.54            | 21.63         | -92.42                | -348.41                             | 274.44       | 752.59                 | 709.61                  | 42.98                     | 17.511            |                                                                    |         |                              |  |
| 9,800.00                        | 9,595.48              | 9,899.79              | 9,617.57              | 22.75            | 21.88         | -91.67                | -399.37                             | 274.82       | 752.23                 | 708.75                  | 43.48                     | 17.300            |                                                                    |         |                              |  |
| 9,850.00                        | 9,607.86              | 9,950.31              | 9,620.01              | 22.99            | 22.15         | -90.92                | -449.81                             | 275.19       | 752.00                 | 707.98                  | 44.02                     | 17.083            |                                                                    |         |                              |  |
| 9,900.00                        | 9,615.96              | 9,999.72              | 9,619.64              | 23.25            | 22.43         | -90.29                | -499.22                             | 275.56       | 751.92                 | 707.33                  | 44.59                     | 16.862            |                                                                    |         |                              |  |
| 9,925.45                        | 9,618.43              | 10,025.03             | 9,619.43              | 23.40            | 22.59         | -90.09                | -524.52                             | 275.74       | 751.91                 | 707.00                  | 44.91                     | 16.742            |                                                                    |         |                              |  |
| 9,950.00                        | 9,619.74              | 10,049.53             | 9,619.22              | 23.55            | 22.75         | -89.98                | -549.02                             | 275.93       | 751.92                 | 706.69                  | 45.22                     | 16.626            |                                                                    |         |                              |  |
| 9,974.90                        | 9,620.00              | 10,074.42             | 9,619.01              | 23.70            | 22.91         | -89.94                | -573.92                             | 276.11       | 751.92                 | 706.37                  | 45.55                     | 16.508            |                                                                    |         |                              |  |
| 10,000.00                       | 9,619.71              | 10,099.52             | 9,618.80              | 27.27            | 23.08         | -89.95                | -599.01                             | 276.29       | 751.92                 | 706.13                  | 45.80                     | 16.419            |                                                                    |         |                              |  |
| 10,100.00                       | 9,618.57              | 10,199.52             | 9,617.96              | 27.34            | 23.82         | -89.97                | -699.00                             | 277.03       | 751.94                 | 705.37                  | 46.56                     | 16.149            |                                                                    |         |                              |  |
| 10,200.00                       | 9,617.43              | 10,299.52             | 9,617.12              | 27.41            | 24.65         | -89.99                | -799.00                             | 277.77       | 751.95                 | 704.51                  | 47.44                     | 15.850            |                                                                    |         |                              |  |
| 10,300.00                       | 9,616.29              | 10,399.52             | 9,616.27              | 27.49            | 25.56         | -90.01                | -898.99                             | 278.51       | 751.96                 | 703.54                  | 48.42                     | 15.529            |                                                                    |         |                              |  |
| 10,400.00                       | 9,615.15              | 10,499.52             | 9,615.43              | 27.57            | 26.54         | -90.04                | -998.98                             | 279.25       | 751.98                 | 702.48                  | 49.50                     | 15.192            |                                                                    |         |                              |  |
| 10,500.00                       | 9,614.00              | 10,599.52             | 9,614.59              | 27.66            | 27.58         | -90.06                | -1,098.98                           | 279.99       | 751.99                 | 701.33                  | 50.66                     | 14.843            |                                                                    |         |                              |  |
| 10,600.00                       | 9,612.86              | 10,699.52             | 9,613.75              | 27.74            | 28.68         | -90.08                | -1,198.97                           | 280.73       | 752.00                 | 700.09                  | 51.91                     | 14.487            |                                                                    |         |                              |  |
| 10,700.00                       | 9,611.72              | 10,799.52             | 9,612.91              | 27.83            | 29.82         | -90.11                | -1,298.96                           | 281.47       | 752.02                 | 698.79                  | 53.23                     | 14.128            |                                                                    |         |                              |  |
| 10,800.00                       | 9,610.58              | 10,899.52             | 9,612.06              | 27.92            | 31.01         | -90.13                | -1,398.96                           | 282.21       | 752.03                 | 697.42                  | 54.61                     | 13.770            |                                                                    |         |                              |  |
| 10,900.00                       | 9,609.44              | 10,999.52             | 9,611.22              | 28.02            | 32.24         | -90.15                | -1,498.95                           | 282.95       | 752.05                 | 695.98                  | 56.06                     | 13.414            |                                                                    |         |                              |  |
| 11,000.00                       | 9,608.29              | 11,099.52             | 9,610.38              | 28.12            | 33.51         | -90.17                | -1,598.94                           | 283.69       | 752.06                 | 694.49                  | 57.57                     | 13.064            |                                                                    |         |                              |  |
| 11,100.00                       | 9,607.15              | 11,199.52             | 9,609.54              | 28.22            | 34.81         | -90.20                | -1,698.94                           | 284.43       | 752.07                 | 692.95                  | 59.13                     | 12.719            |                                                                    |         |                              |  |
| 11,200.00                       | 9,606.01              | 11,299.51             | 9,608.69              | 28.32            | 36.13         | -90.22                | -1,798.93                           | 285.17       | 752.09                 | 691.35                  | 60.74                     | 12.383            |                                                                    |         |                              |  |
| 11,300.00                       | 9,604.87              | 11,399.51             | 9,607.85              | 28.43            | 37.48         | -90.24                | -1,898.92                           | 285.91       | 752.10                 | 689.71                  | 62.39                     | 12.055            |                                                                    |         |                              |  |
| 11,400.00                       | 9,603.72              | 11,499.51             | 9,607.01              | 28.55            | 38.85         | -90.27                | -1,998.92                           | 286.65       | 752.12                 | 688.03                  | 64.08                     | 11.737            |                                                                    |         |                              |  |
| 11,500.00                       | 9,602.58              | 11,599.51             | 9,606.17              | 28.67            | 40.24         | -90.29                | -2,098.91                           | 287.39       | 752.13                 | 686.32                  | 65.82                     | 11.428            |                                                                    |         |                              |  |
| 11,600.00                       | 9,601.44              | 11,699.51             | 9,605.32              | 28.80            | 41.65         | -90.31                | -2,198.90                           | 288.13       | 752.15                 | 684.56                  | 67.58                     | 11.129            |                                                                    |         |                              |  |
| 11,700.00                       | 9,600.30              | 11,799.51             | 9,604.48              | 28.93            | 43.08         | -90.33                | -2,298.90                           | 288.87       | 752.16                 | 682.78                  | 69.39                     | 10.840            |                                                                    |         |                              |  |
| 11,800.00                       | 9,599.16              | 11,899.51             | 9,603.64              | 29.08            | 44.52         | -90.36                | -2,398.89                           | 289.61       | 752.18                 | 680.96                  | 71.22                     | 10.561            |                                                                    |         |                              |  |
| 11,900.00                       | 9,598.01              | 11,999.51             | 9,602.80              | 29.24            | 45.97         | -90.38                | -2,498.88                           | 290.35       | 752.19                 | 679.11                  | 73.08                     | 10.292            |                                                                    |         |                              |  |
| 12,000.00                       | 9,596.87              | 12,099.51             | 9,601.96              | 29.42            | 47.44         | -90.40                | -2,598.88                           | 291.09       | 752.21                 | 677.23                  | 74.97                     | 10.033            |                                                                    |         |                              |  |
| 12,100.00                       | 9,595.73              | 12,199.51             | 9,601.11              | 29.62            | 48.91         | -90.43                | -2,698.87                           | 291.83       | 752.22                 | 675.34                  | 76.89                     | 9.783             |                                                                    |         |                              |  |
| 12,200.00                       | 9,594.59              | 12,299.51             | 9,600.27              | 29.85            | 50.40         | -90.45                | -2,798.86                           | 292.57       | 752.24                 | 673.41                  | 78.83                     | 9.543             |                                                                    |         |                              |  |
| 12,300.00                       | 9,593.45              | 12,399.51             | 9,599.43              | 30.10            | 51.90         | -90.47                | -2,898.86                           | 293.31       | 752.25                 | 671.47                  | 80.79                     | 9.311             |                                                                    |         |                              |  |
| 12,400.00                       | 9,592.30              | 12,499.51             | 9,598.59              | 30.40            | 53.40         | -90.49                | -2,998.85                           | 294.05       | 752.27                 | 669.50                  | 82.77                     | 9.089             |                                                                    |         |                              |  |
| 12,500.00                       | 9,591.16              | 12,599.51             | 9,597.74              | 30.73            | 54.91         | -90.52                | -3,098.84                           | 294.79       | 752.29                 | 667.51                  | 84.77                     | 8.874             |                                                                    |         |                              |  |
| 12,600.00                       | 9,590.02              | 12,699.51             | 9,596.90              | 31.09            | 56.43         | -90.54                | -3,198.84                           | 295.53       | 752.30                 | 665.51                  | 86.79                     | 8.668             |                                                                    |         |                              |  |
| 12,700.00                       | 9,588.88              | 12,799.51             | 9,596.06              | 31.49            | 57.96         | -90.56                | -3,298.83                           | 296.27       | 752.32                 | 663.49                  | 88.83                     | 8.469             |                                                                    |         |                              |  |
| 12,800.00                       | 9,587.73              | 12,899.51             | 9,595.22              | 31.93            | 59.49         | -90.58                | -3,398.82                           | 297.01       | 752.33                 | 661.45                  | 90.88                     | 8.278             |                                                                    |         |                              |  |
| 12,900.00                       | 9,586.59              | 12,999.51             | 9,594.37              | 32.38            | 61.03         | -90.61                | -3,498.82                           | 297.75       | 752.35                 | 659.40                  | 92.95                     | 8.094             |                                                                    |         |                              |  |
| 13,000.00                       | 9,585.45              | 13,099.51             | 9,593.53              | 32.87            | 62.57         | -90.63                | -3,598.81                           | 298.49       | 752.37                 | 657.33                  | 95.04                     | 7.917             |                                                                    |         |                              |  |
| 13,100.00                       | 9,584.31              | 13,199.51             | 9,592.69              | 33.37            | 64.12         | -90.65                | -3,698.80                           | 299.23       | 752.38                 | 655.25                  | 97.13                     | 7.746             |                                                                    |         |                              |  |
| 13,200.00                       | 9,583.17              | 13,299.51             | 9,591.85              | 33.88            | 65.67         | -90.68                | -3,798.80                           | 299.97       | 752.40                 | 653.16                  | 99.24                     | 7.581             |                                                                    |         |                              |  |
| 13,300.00                       | 9,582.02              | 13,399.51             | 9,591.00              | 34.42            | 67.22         | -90.70                | -3,898.79                           | 300.71       | 752.42                 | 651.05                  | 101.36                    | 7.423             |                                                                    |         |                              |  |
| 13,400.00                       | 9,580.88              | 13,499.50             | 9,590.16              | 34.96            | 68.78         | -90.72                | -3,998.78                           | 301.45       | 752.43                 | 648.94                  | 103.50                    | 7.270             |                                                                    |         |                              |  |
| 13,500.00                       | 9,579.74              | 13,599.50             | 9,589.32              | 35.52            | 70.35         | -90.74                | -4,098.78                           | 302.19       | 752.45                 | 646.81                  | 105.64                    | 7.123             |                                                                    |         |                              |  |
| 13,600.00                       | 9,578.60              | 13,699.50             | 9,588.48              | 36.09            | 71.91         | -90.77                | -4,198.77                           | 302.93       | 752.47                 | 644.67                  | 107.80                    | 6.980             |                                                                    |         |                              |  |
| 13,700.00                       | 9,577.46              | 13,799.50             | 9,587.64              | 36.67            | 73.48         | -90.79                | -4,298.76                           | 303.67       | 752.49                 | 642.53                  | 109.96                    | 6.843             |                                                                    |         |                              |  |
| 13,800.00                       | 9,576.31              | 13,899.50             | 9,586.79              | 37.25            | 75.06         | -90.81                | -4,398.76                           | 304.41       | 752.50                 | 640.37                  | 112.13                    | 6.711             |                                                                    |         |                              |  |
| 13,900.00                       | 9,575.17              | 13,999.50             | 9,585.95              | 37.84            | 76.63         | -90.84                | -4,498.75                           | 305.15       | 752.52                 | 638.21                  | 114.32                    | 6.583             |                                                                    |         |                              |  |
| 14,000.00                       | 9,574.03              | 14,099.50             | 9,585.11              | 38.45            | 78.21         | -90.86                | -4,598.74                           | 305.89       | 752.54                 | 636.03                  | 116.51                    | 6.459             |                                                                    |         |                              |  |

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

| Offset Design Thistle Unit Sec 22-27 Trac Pad - Thistle Unit 165H - OH - Plan #2 |                             |                             |                             |                     |                  |                             |                                           |                 |                              |                               |                                 |                      | Offset Site Error: | 0.00 usft |
|----------------------------------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|------------------|-----------------------------|-------------------------------------------|-----------------|------------------------------|-------------------------------|---------------------------------|----------------------|--------------------|-----------|
| Survey Program: O-LEAM MWD+HDGM                                                  |                             |                             |                             |                     |                  |                             |                                           |                 |                              |                               |                                 |                      | Offset Well Error: | 0.00 usft |
| Reference                                                                        |                             | Offset                      |                             | Semi Major Axis     |                  | Highside<br>Toolface<br>(°) | Distance                                  |                 | Between<br>Centres<br>(usft) | Between<br>Ellipses<br>(usft) | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning            |           |
| Measured<br>Depth<br>(usft)                                                      | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>(usft) | Offset<br>(usft) |                             | Offset Wellbore Centre<br>+N/-S<br>(usft) | +E/-W<br>(usft) |                              |                               |                                 |                      |                    |           |
| 14,100.00                                                                        | 9,572.89                    | 14,199.50                   | 9,584.27                    | 39.05               | 79.79            | -90.88                      | -4,698.73                                 | 306.63          | 752.56                       | 633.85                        | 118.70                          | 6.340                |                    |           |
| 14,200.00                                                                        | 9,571.75                    | 14,299.50                   | 9,583.42                    | 39.67               | 81.37            | -90.90                      | -4,798.73                                 | 307.37          | 752.57                       | 631.67                        | 120.91                          | 6.224                |                    |           |
| 14,300.00                                                                        | 9,570.60                    | 14,399.50                   | 9,582.58                    | 40.29               | 82.96            | -90.93                      | -4,898.72                                 | 308.11          | 752.59                       | 629.47                        | 123.12                          | 6.113                |                    |           |
| 14,400.00                                                                        | 9,569.46                    | 14,499.50                   | 9,581.74                    | 40.91               | 84.55            | -90.95                      | -4,998.71                                 | 308.85          | 752.61                       | 627.27                        | 125.34                          | 6.005                |                    |           |
| 14,500.00                                                                        | 9,568.32                    | 14,599.50                   | 9,580.90                    | 41.54               | 86.14            | -90.97                      | -5,098.71                                 | 309.59          | 752.63                       | 625.06                        | 127.57                          | 5.900                |                    |           |
| 14,600.00                                                                        | 9,567.18                    | 14,699.50                   | 9,580.05                    | 42.18               | 87.73            | -91.00                      | -5,198.70                                 | 310.33          | 752.65                       | 622.85                        | 129.80                          | 5.799                |                    |           |
| 14,700.00                                                                        | 9,566.03                    | 14,799.50                   | 9,579.21                    | 42.82               | 89.32            | -91.02                      | -5,298.69                                 | 311.07          | 752.67                       | 620.63                        | 132.03                          | 5.701                |                    |           |
| 14,800.00                                                                        | 9,564.89                    | 14,899.50                   | 9,578.37                    | 43.46               | 90.91            | -91.04                      | -5,398.69                                 | 311.81          | 752.68                       | 618.41                        | 134.28                          | 5.605                |                    |           |
| 14,900.00                                                                        | 9,563.75                    | 14,999.50                   | 9,577.53                    | 44.11               | 92.51            | -91.06                      | -5,498.68                                 | 312.55          | 752.70                       | 616.18                        | 136.52                          | 5.513                |                    |           |
| 15,000.00                                                                        | 9,562.61                    | 15,099.50                   | 9,576.69                    | 44.76               | 94.11            | -91.09                      | -5,598.67                                 | 313.29          | 752.72                       | 613.94                        | 138.78                          | 5.424                |                    |           |
| 15,100.00                                                                        | 9,561.47                    | 15,199.50                   | 9,575.84                    | 45.42               | 95.71            | -91.11                      | -5,698.67                                 | 314.03          | 752.74                       | 611.71                        | 141.04                          | 5.337                |                    |           |
| 15,200.00                                                                        | 9,560.32                    | 15,299.50                   | 9,575.00                    | 46.08               | 97.31            | -91.13                      | -5,798.66                                 | 314.77          | 752.76                       | 609.46                        | 143.30                          | 5.253                |                    |           |
| 15,300.00                                                                        | 9,559.18                    | 15,399.50                   | 9,574.16                    | 46.74               | 98.91            | -91.16                      | -5,898.65                                 | 315.51          | 752.78                       | 607.22                        | 145.56                          | 5.171                |                    |           |
| 15,400.00                                                                        | 9,558.04                    | 15,499.50                   | 9,573.32                    | 47.41               | 100.51           | -91.18                      | -5,998.65                                 | 316.25          | 752.80                       | 604.96                        | 147.84                          | 5.092                |                    |           |
| 15,500.00                                                                        | 9,556.90                    | 15,599.50                   | 9,572.47                    | 48.08               | 102.11           | -91.20                      | -6,098.64                                 | 316.98          | 752.82                       | 602.71                        | 150.11                          | 5.015                |                    |           |
| 15,600.00                                                                        | 9,555.76                    | 15,699.49                   | 9,571.63                    | 48.75               | 103.72           | -91.22                      | -6,198.63                                 | 317.72          | 752.84                       | 600.45                        | 152.39                          | 4.940                |                    |           |
| 15,700.00                                                                        | 9,554.61                    | 15,799.49                   | 9,570.79                    | 49.43               | 105.32           | -91.25                      | -6,298.63                                 | 318.46          | 752.86                       | 598.19                        | 154.67                          | 4.867                |                    |           |
| 15,800.00                                                                        | 9,553.47                    | 15,899.49                   | 9,569.95                    | 50.10               | 106.93           | -91.27                      | -6,398.62                                 | 319.20          | 752.88                       | 595.92                        | 156.96                          | 4.797                |                    |           |
| 15,900.00                                                                        | 9,552.33                    | 15,999.49                   | 9,569.10                    | 50.79               | 108.54           | -91.29                      | -6,498.61                                 | 319.94          | 752.90                       | 593.65                        | 159.25                          | 4.728                |                    |           |
| 16,000.00                                                                        | 9,551.19                    | 16,099.49                   | 9,568.26                    | 51.47               | 110.15           | -91.31                      | -6,598.61                                 | 320.68          | 752.92                       | 591.38                        | 161.54                          | 4.661                |                    |           |
| 16,100.00                                                                        | 9,550.05                    | 16,199.49                   | 9,567.42                    | 52.15               | 111.76           | -91.34                      | -6,698.60                                 | 321.42          | 752.94                       | 589.11                        | 163.83                          | 4.596                |                    |           |
| 16,200.00                                                                        | 9,548.90                    | 16,299.49                   | 9,566.58                    | 52.84               | 113.37           | -91.36                      | -6,798.59                                 | 322.16          | 752.96                       | 586.83                        | 166.13                          | 4.532                |                    |           |
| 16,300.00                                                                        | 9,547.76                    | 16,399.49                   | 9,565.73                    | 53.53               | 114.98           | -91.38                      | -6,898.59                                 | 322.90          | 752.98                       | 584.55                        | 168.43                          | 4.471                |                    |           |
| 16,400.00                                                                        | 9,546.62                    | 16,499.49                   | 9,564.89                    | 54.22               | 116.59           | -91.41                      | -6,998.58                                 | 323.64          | 753.00                       | 582.26                        | 170.74                          | 4.410                |                    |           |
| 16,500.00                                                                        | 9,545.48                    | 16,599.49                   | 9,564.05                    | 54.92               | 118.20           | -91.43                      | -7,098.57                                 | 324.38          | 753.02                       | 579.98                        | 173.04                          | 4.352                |                    |           |
| 16,600.00                                                                        | 9,544.33                    | 16,699.49                   | 9,563.21                    | 55.61               | 119.82           | -91.45                      | -7,198.57                                 | 325.12          | 753.04                       | 577.69                        | 175.35                          | 4.294                |                    |           |
| 16,700.00                                                                        | 9,543.19                    | 16,799.49                   | 9,562.37                    | 56.31               | 121.43           | -91.47                      | -7,298.56                                 | 325.86          | 753.06                       | 575.40                        | 177.66                          | 4.239                |                    |           |
| 16,800.00                                                                        | 9,542.05                    | 16,899.49                   | 9,561.52                    | 57.01               | 123.05           | -91.50                      | -7,398.55                                 | 326.60          | 753.08                       | 573.11                        | 179.98                          | 4.184                |                    |           |
| 16,900.00                                                                        | 9,540.91                    | 16,999.49                   | 9,560.68                    | 57.71               | 124.66           | -91.52                      | -7,498.55                                 | 327.34          | 753.10                       | 570.81                        | 182.29                          | 4.131                |                    |           |
| 16,979.53                                                                        | 9,540.00                    | 17,079.02                   | 9,560.01                    | 58.27               | 125.95           | -91.54                      | -7,578.07                                 | 327.93          | 753.12                       | 568.99                        | 184.13                          | 4.090 SF             |                    |           |



# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

Reference Depths are relative to 3713.3' GE + 23.5' KB @ 3736.80usft

Offset Depths are relative to Offset Datum

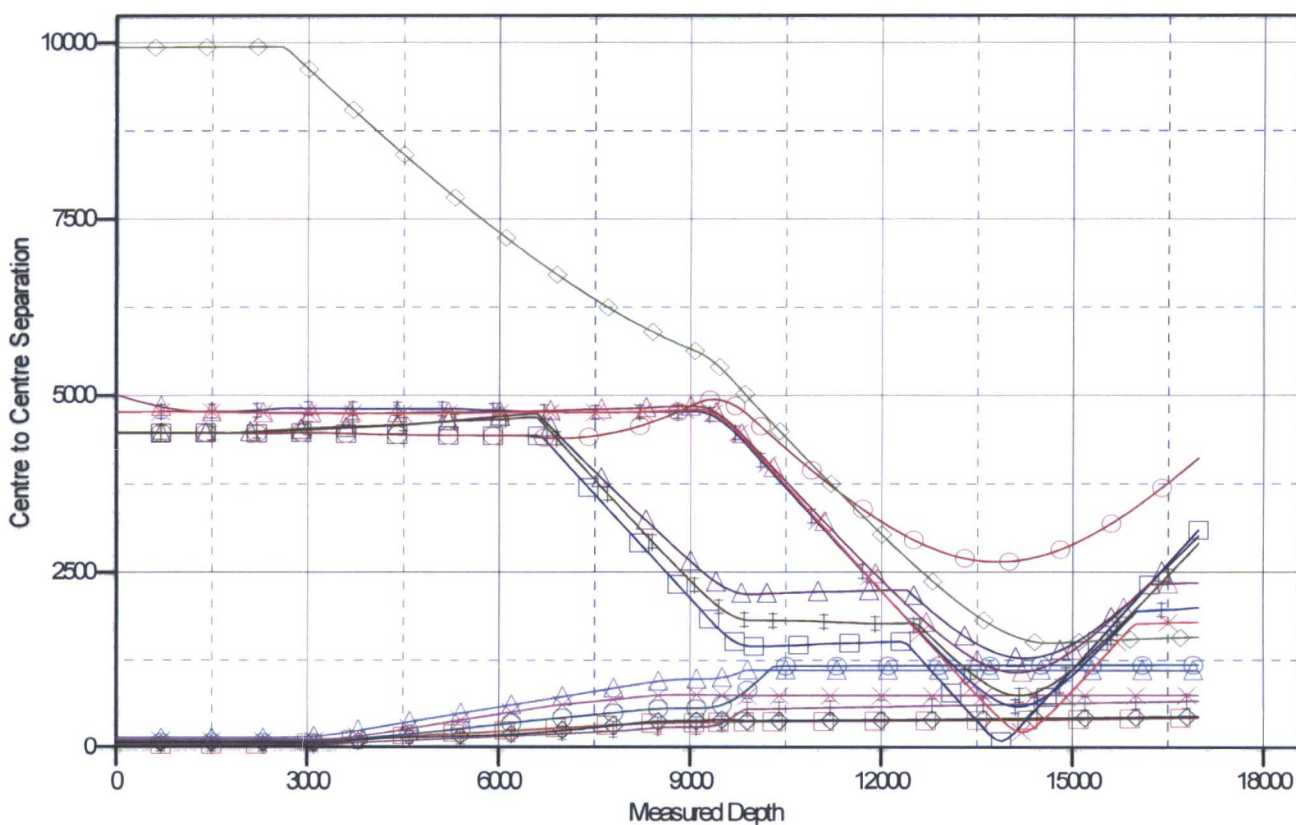
Central Meridian is 104° 19' 60.0000 W

Coordinates are relative to: Thistle Unit 162H

Coordinate System is US State Plane 1983, New Mexico Eastern Zone

Grid Convergence at Surface is: 0.41°

### Ladder Plot



### LEGEND

|                                   |                                   |                |
|-----------------------------------|-----------------------------------|----------------|
| Thistle Unit 115H, OH, Plan #2 V0 | Thistle Unit 165H, OH, Plan #2 V0 | 64H, OH, OH V0 |
| Thistle Unit 127H, OH, Plan #2 V0 | 63H, ST 1, ST 1 V0                | 62H, OH, OH V0 |
| Thistle Unit 128H, OH, Plan #2 V0 | 63H, OH, OH V0                    | 58H, OH, OH V0 |
| Thistle Unit 116H, OH, Plan #2 V0 | 72H, OH, OH V0                    | 56H, OH, OH V0 |
| Thistle Unit 100H, OH, Plan #2 V0 | 57H, OH, OH V0                    |                |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



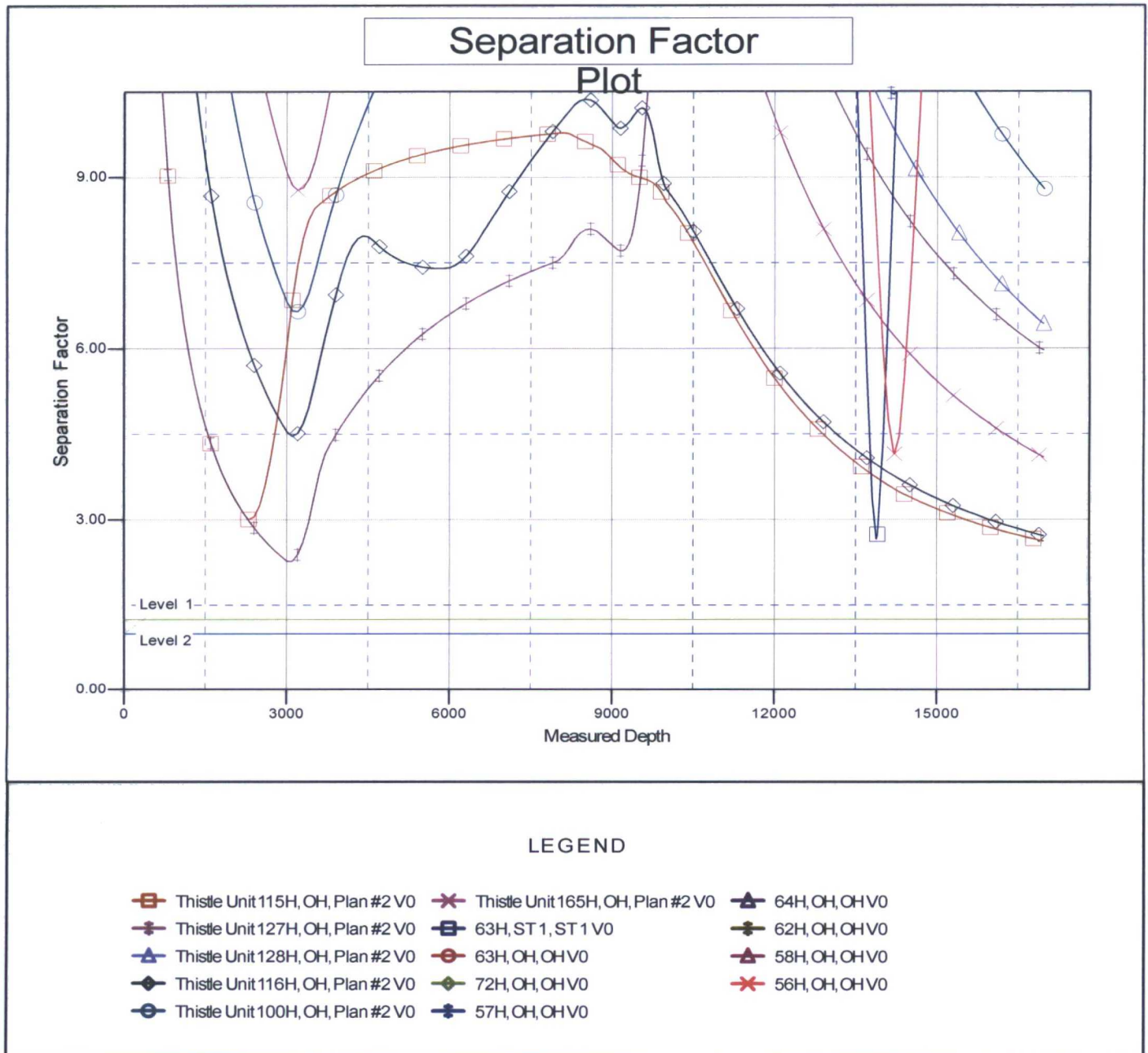
# LEAM Drilling Systems LLC

## Anticollision Report

|                    |                                 |                              |                                     |
|--------------------|---------------------------------|------------------------------|-------------------------------------|
| Company:           | Devon Energy                    | Local Co-ordinate Reference: | Well Thistle Unit 162H              |
| Project:           | Lea County, NM (NAD-83)         | TVD Reference:               | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Reference Site:    | Thistle Unit Sec 22-27 Trac Pad | MD Reference:                | 3713.3' GE + 23.5' KB @ 3736.80usft |
| Site Error:        | 0.00 usft                       | North Reference:             | Grid                                |
| Reference Well:    | Thistle Unit 162H               | Survey Calculation Method:   | Minimum Curvature                   |
| Well Error:        | 0.00 usft                       | Output errors are at         | 2.00 sigma                          |
| Reference Wellbore | OH                              | Database:                    | EDM 5000.1 Multi User Db            |
| Reference Design:  | Plan #2                         | Offset TVD Reference:        | Offset Datum                        |

Reference Depths are relative to 3713.3' GE + 23.5' KB @ 3736.80usft  
Offset Depths are relative to Offset Datum  
Central Meridian is 104° 19' 60.0000 W

Coordinates are relative to: Thistle Unit 162H  
Coordinate System is US State Plane 1983, New Mexico Eastern Zone  
Grid Convergence at Surface is: 0.41°



CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation