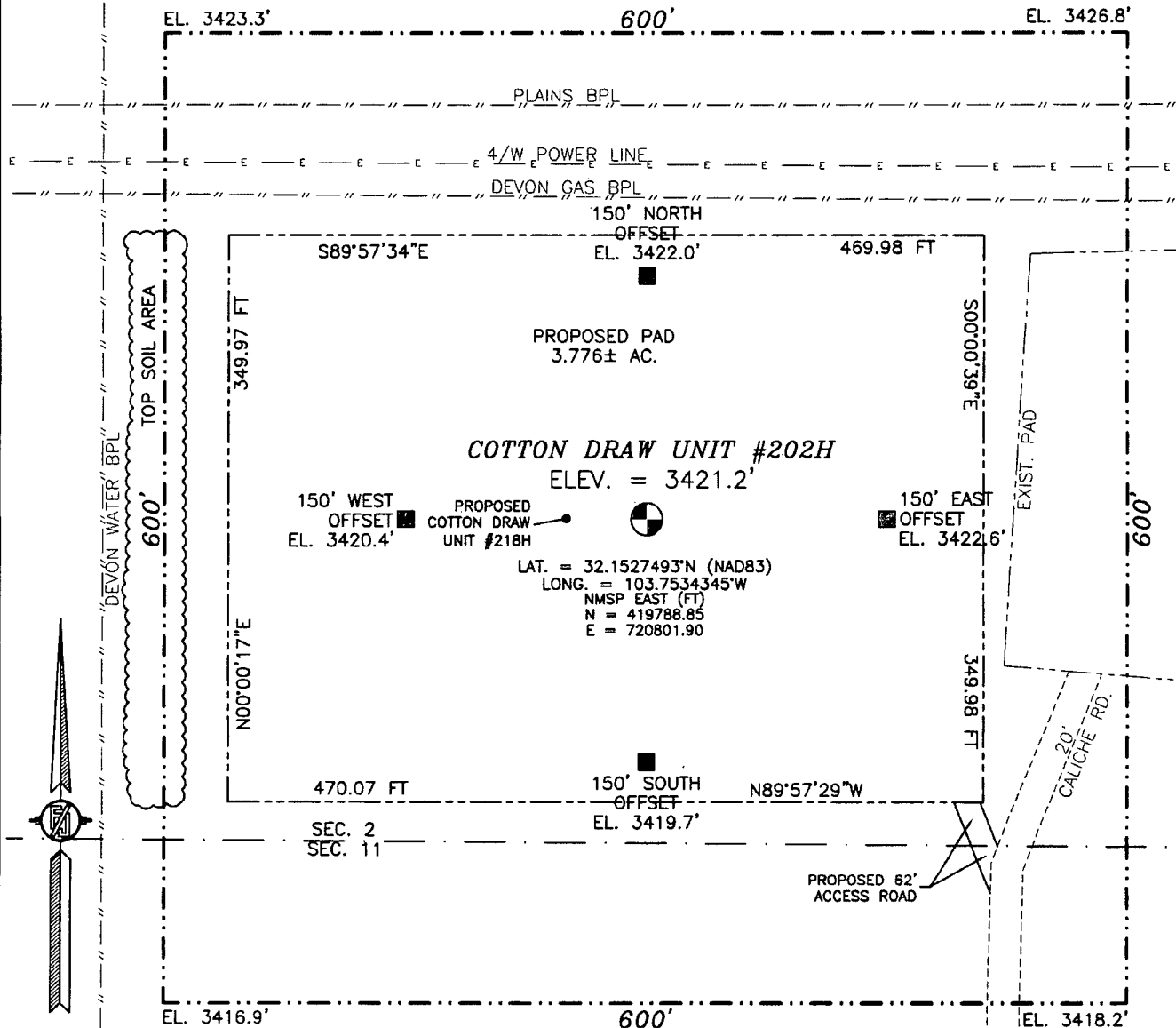




**SECTION 2, TOWNSHIP 25 SOUTH, RANGE 31 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO  
SITE MAP**

NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83). LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE.



010 50 100 200

SCALE 1" = 100'

**DIRECTIONS TO LOCATION**

FROM STATE HWY. 128 AND CR. #1 (ORLA RD.) GO SOUTH ON CR. 1 6.2 MILES, TURN RIGHT ON CALICHE ROAD (MONSANTO RD.) AND GO WEST 2.2 MILES, TURN RIGHT AND GO NORTH 0.75 MILES, BEND LEFT AND GO WEST 2.0 MILES, TURN RIGHT AND GO NORTH 1.0 MILES, TURN LEFT AND GO WEST 0.8 MILES, TURN RIGHT AND GO NORTH 800' AND LOCATION IS NORTHWEST 340'.

**DEVON ENERGY PRODUCTION COMPANY, L.P.  
COTTON DRAW UNIT #202H**

**LOCATED 200 FT. FROM THE SOUTH LINE  
AND 1170 FT. FROM THE WEST LINE OF  
SECTION 2, TOWNSHIP 25 SOUTH,  
RANGE 31 EAST, N.M.P.M.**

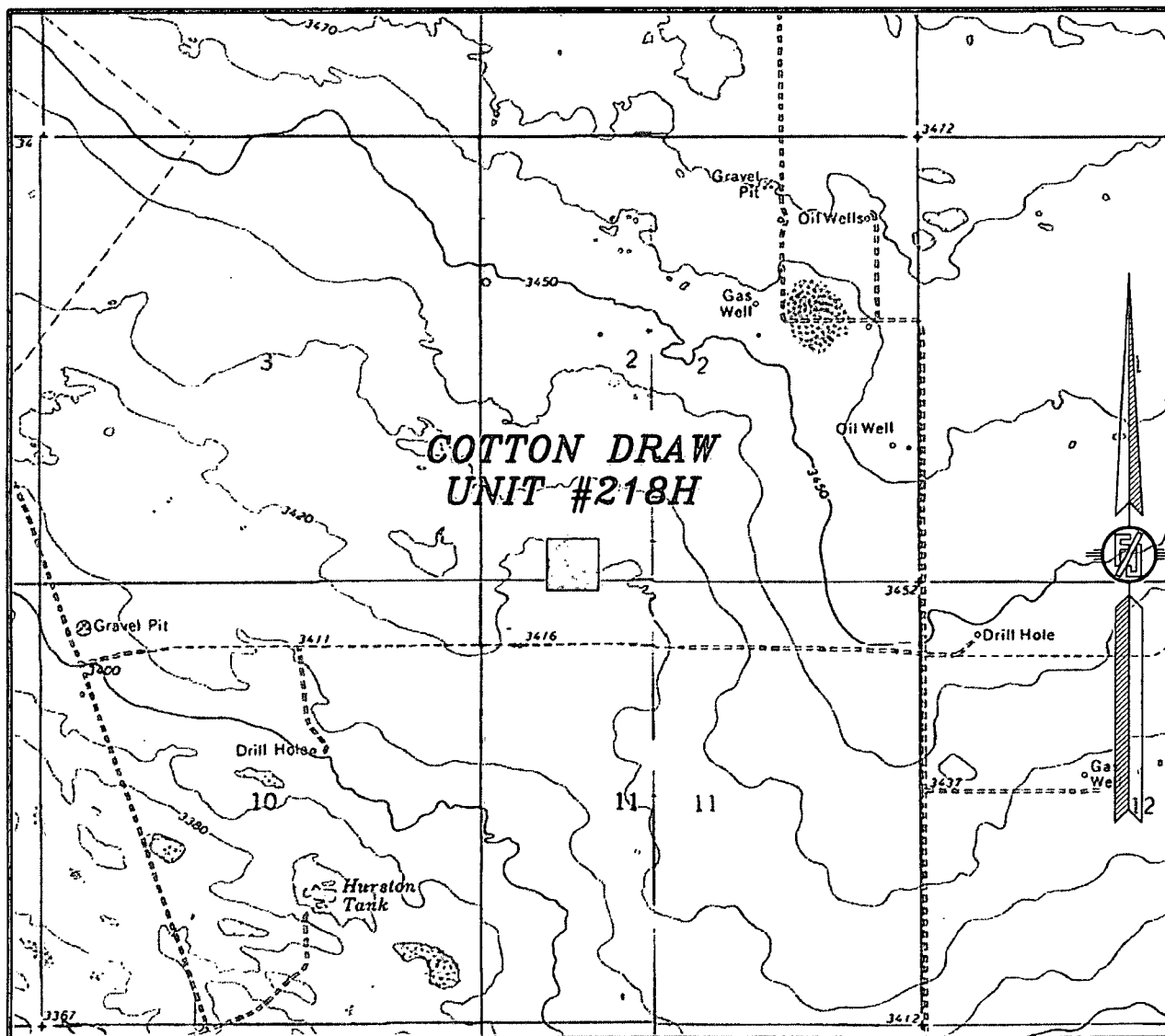
**EDDY COUNTY, STATE OF NEW MEXICO**

**MAY 8, 2013**

**SURVEY NO. 1798**

**MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO**

SECTION 2, TOWNSHIP 25 SOUTH, RANGE 31 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO  
LOCATION VERIFICATION MAP



USGS QUAD MAP:  
BIG SINKS

NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.  
COTTON DRAW UNIT #218H

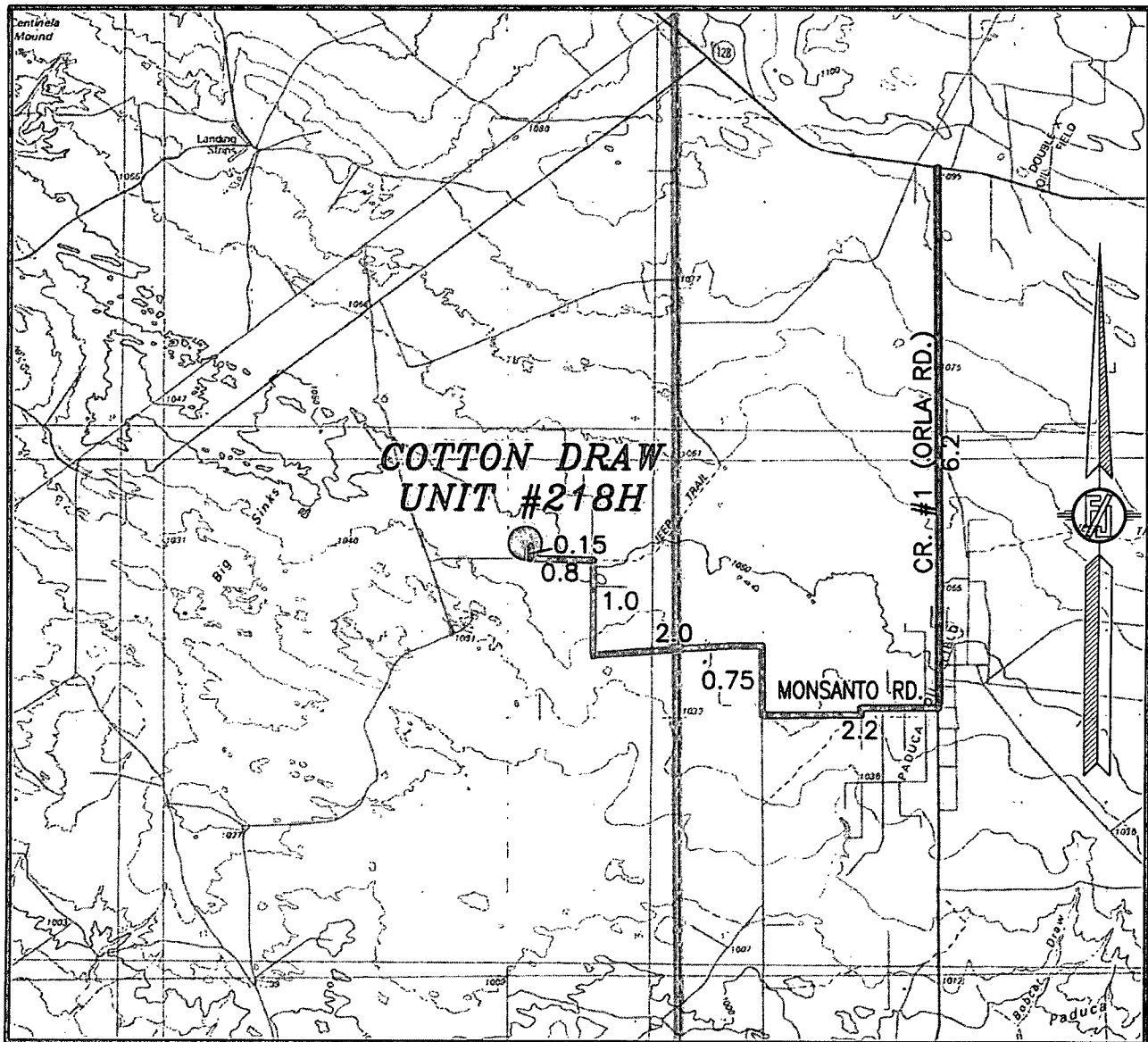
LOCATED 200 FT. FROM THE SOUTH LINE  
AND 1120 FT. FROM THE WEST LINE OF  
SECTION 2, TOWNSHIP 25 SOUTH,  
RANGE 31 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO

MAY 8, 2013

SURVEY NO. 1797

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 2, TOWNSHIP 25 SOUTH, RANGE 31 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO  
VICINITY MAP



DISTANCES SHOWN IN MILES

NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.  
COTTON DRAW UNIT #218H

LOCATED 200 FT. FROM THE SOUTH LINE  
AND 1120 FT. FROM THE WEST LINE OF  
SECTION 2, TOWNSHIP 25 SOUTH,  
RANGE 31 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO

**DIRECTIONS TO LOCATION**

FROM STATE HWY. 128 AND CR. #1 (ORLA RD.) GO SOUTH ON CR. 1  
6.2 MILES, TURN RIGHT ON CALICHE ROAD (MONSANTO RD.) AND GO  
WEST 2.2 MILES, TURN RIGHT AND GO NORTH 0.75 MILES, BEND LEFT  
AND GO WEST 2.0 MILES, TURN RIGHT AND GO NORTH 1.0 MILES,  
TURN LEFT AND GO WEST 0.8 MILES, TURN RIGHT AND GO NORTH  
800' AND LOCATION IS NORTHWEST 340'.

MAY 8, 2013

SURVEY NO. 1797

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

# DEVON ENERGY

Project: Eddy County, NM (NAD-83)  
 Site: Cotton Draw Unit  
 Well: #218H  
 Wellbore: OH  
 Design: Plan #1



Azimuths to Grid North  
 True North: -0.31°  
 Magnetic North: 7.11°  
 Magnetic Field  
 Strength: 48352.1snT  
 Dip Angle: 60.04°  
 Date: 06/20/2013  
 Model: IGRF2010

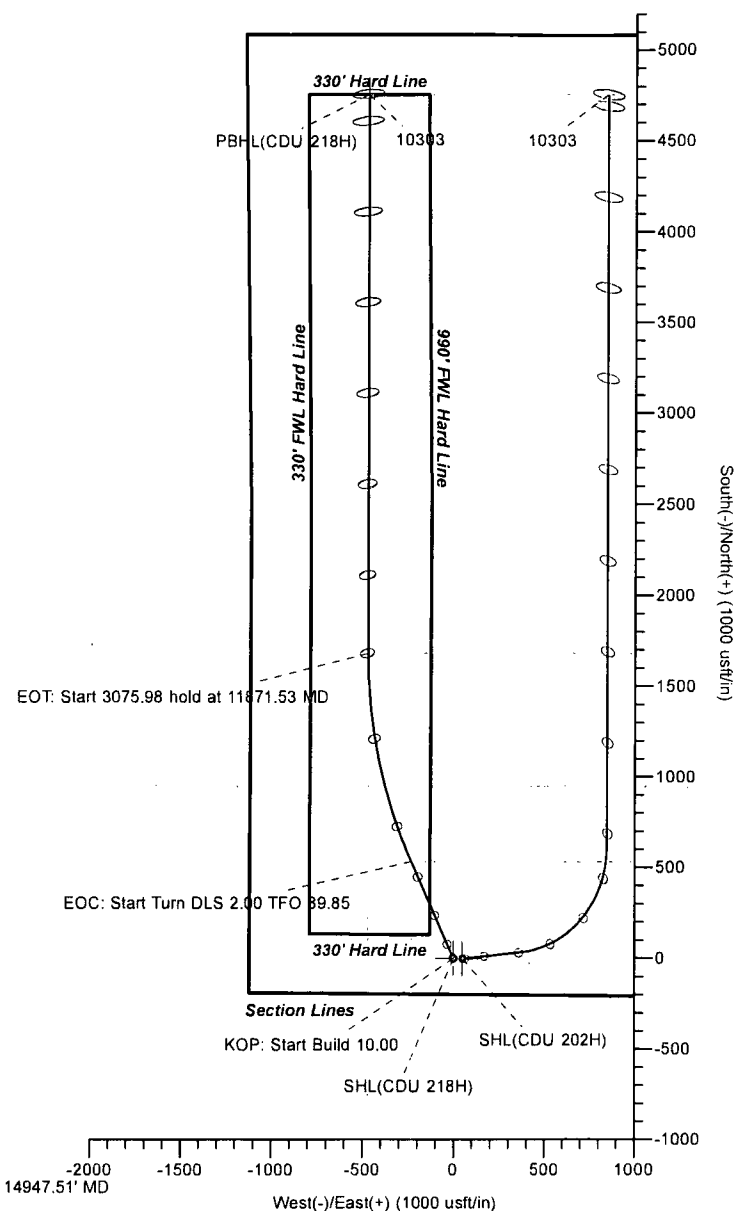
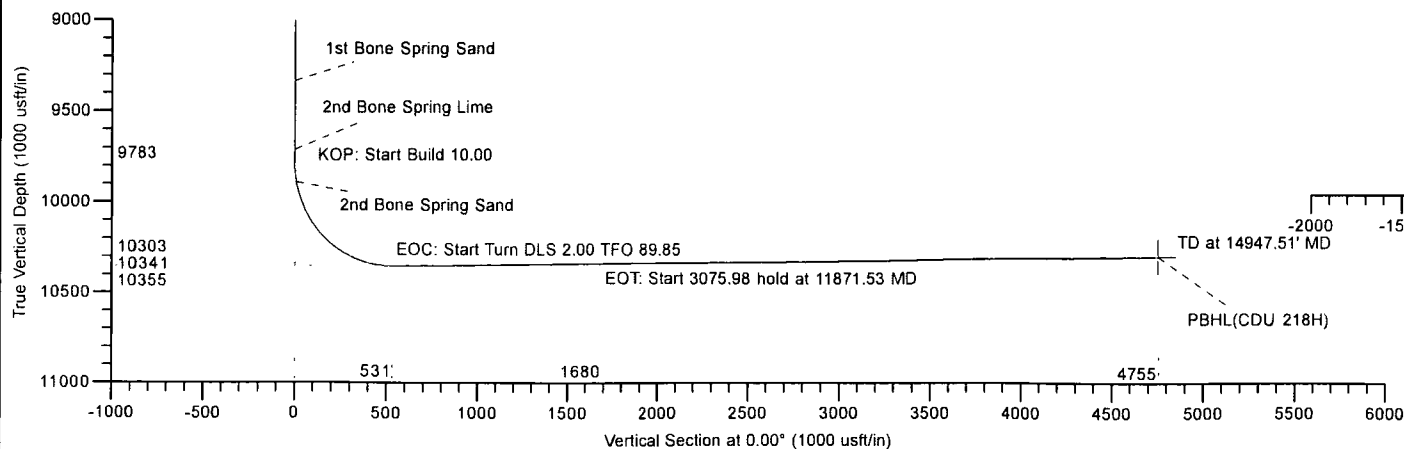


## DESIGN TARGET DETAILS

| Name           | TVD      | +N/-S   | +E/-W   | Northing  | Easting   | Latitude        | Longitude         |
|----------------|----------|---------|---------|-----------|-----------|-----------------|-------------------|
| SHL(CDU 218H)  | 0.00     | 0.00    | 0.00    | 419789.22 | 720751.95 | 32° 9' 9.904 N  | 103° 45' 12.945 W |
| PBHL(CDU 218H) | 10303.00 | 4755.26 | -472.66 | 424544.48 | 720279.29 | 32° 9' 56.985 N | 103° 45' 18.146 W |

## SECTION DETAILS

| Sec | MD       | Inc   | Azi    | TVD      | +N/-S   | +E/-W   | Dleg  | TFace  | VSec    | Annotation                             |
|-----|----------|-------|--------|----------|---------|---------|-------|--------|---------|----------------------------------------|
| 1   | 0.00     | 0.00  | 0.00   | 0.00     | 0.00    | 0.00    | 0.00  | 0.00   | 0.00    |                                        |
| 2   | 9783.04  | 0.00  | 0.00   | 9783.04  | 0.00    | 0.00    | 0.00  | 0.00   | 0.00    | KOP: Start Build 10.00                 |
| 3   | 10690.14 | 90.71 | 336.37 | 10355.95 | 531.42  | -232.50 | 10.00 | 336.37 | 531.42  | EOC: Start Turn DLS 2.00 TFO 89.85     |
| 4   | 11871.53 | 90.71 | 0.00   | 10341.11 | 1679.52 | -472.66 | 2.00  | 89.85  | 1679.52 | EOT: Start 3075.98 hold at 11871.53 MD |
| 5   | 14947.51 | 90.71 | 0.00   | 10303.00 | 4755.26 | -472.66 | 0.00  | 0.00   | 4755.26 | TD at 14947.51' MD                     |



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

Plan: Plan #1 (#218H/OH)  
 Cotton Draw Unit  
 Created By: Tyler Carlson  
 Date: 16:31, June 20 2013  
 Approved: \_\_\_\_\_ Date: \_\_\_\_\_

# LEAM Drilling Systems LLC

## Planning Report

|           |                           |                              |                                              |
|-----------|---------------------------|------------------------------|----------------------------------------------|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well #218H                                   |
| Company:  | DEVON ENERGY              | TVD Reference:               | GE 3420' + KB 28' @ 3448.00usft (Cactus 105) |
| Project:  | Eddy County, NM (NAD-83)  | MD Reference:                | GE 3420' + KB 28' @ 3448.00usft (Cactus 105) |
| Site:     | Cotton Draw Unit          | North Reference:             | Grid                                         |
| Well:     | #218H                     | Survey Calculation Method:   | Minimum Curvature                            |
| Wellbore: | OH                        |                              |                                              |
| Design:   | Plan #1                   |                              |                                              |

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

|                       |                  |                   |                   |
|-----------------------|------------------|-------------------|-------------------|
| Site                  | Cotton Draw Unit |                   |                   |
| Site Position:        | Map              | Northing:         | 419,194.51 usft   |
| From:                 |                  | Easting:          | 722,955.98 usft   |
| Position Uncertainty: | 0.00 usft        | Slot Radius:      | 13-3/16 "         |
|                       |                  | Latitude:         | 32° 9' 3.901 N    |
|                       |                  | Longitude:        | 103° 44' 47.345 W |
|                       |                  | Grid Convergence: | 0.31 °            |

|                      |           |                     |                   |
|----------------------|-----------|---------------------|-------------------|
| Well                 | #218H     |                     |                   |
| Well Position        | +N/-S     | 594.71 usft         | Northing:         |
|                      | +E/-W     | -2,204.03 usft      | Easting:          |
| Position Uncertainty | 0.00 usft | Wellhead Elevation: |                   |
|                      |           | Latitude:           | 32° 9' 9.904 N    |
|                      |           | Longitude:          | 103° 45' 12.945 W |
|                      |           | Ground Level:       | 3,420.00 usft     |

|           |            |             |                |
|-----------|------------|-------------|----------------|
| Wellbore  | OH         |             |                |
| Magnetics | Model Name | Sample Date | Declination    |
|           |            |             | (°)            |
|           | IGRF2010   | 06/20/13    | 7.42           |
|           |            |             | Dip Angle      |
|           |            |             | (°)            |
|           |            |             | Field Strength |
|           |            |             | (nT)           |
|           |            |             | 60.04          |
|           |            |             | 48,352         |

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

|                       |                 |             |                       |              |              |                         |                        |                       |         |                |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|------------------------|-----------------------|---------|----------------|
| Plan Sections         |                 |             |                       |              |              |                         |                        |                       |         |                |
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target         |
| 0.00                  | 0.00            | 0.00        | 0.00                  | 0.00         | 0.00         | 0.00                    | 0.00                   | 0.00                  | 0.00    |                |
| 9,783.04              | 0.00            | 0.00        | 9,783.04              | 0.00         | 0.00         | 0.00                    | 0.00                   | 0.00                  | 0.00    |                |
| 10,690.14             | 90.71           | 336.37      | 10,355.95             | 531.42       | -232.50      | 10.00                   | 10.00                  | 0.00                  | 336.37  |                |
| 11,871.53             | 90.71           | 0.00        | 10,341.11             | 1,679.52     | -472.66      | 2.00                    | 0.00                   | 2.00                  | 89.85   |                |
| 14,947.51             | 90.71           | 0.00        | 10,303.00             | 4,755.26     | -472.66      | 0.00                    | 0.00                   | 0.00                  | 0.00    | PBHL(CDU 218H) |

# LEAM Drilling Systems LLC

## Planning Report

|           |                           |                              |                                              |
|-----------|---------------------------|------------------------------|----------------------------------------------|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well #218H                                   |
| Company:  | DEVON ENERGY              | TVD Reference:               | GE 3420' + KB 28' @ 3448.00usft (Cactus 105) |
| Project:  | Eddy County, NM (NAD-83)  | MD Reference:                | GE 3420' + KB 28' @ 3448.00usft (Cactus 105) |
| Site:     | Cotton Draw Unit          | North Reference:             | Grid                                         |
| Well:     | #218H                     | Survey Calculation Method:   | Minimum Curvature                            |
| Wellbore: | OH                        |                              |                                              |
| Design:   | Plan #1                   |                              |                                              |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 0.00                  | 0.00            | 0.00        | 0.00                  | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 100.00                | 0.00            | 0.00        | 100.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 200.00                | 0.00            | 0.00        | 200.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 300.00                | 0.00            | 0.00        | 300.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 400.00                | 0.00            | 0.00        | 400.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 500.00                | 0.00            | 0.00        | 500.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 599.00                | 0.00            | 0.00        | 599.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| RUSTLER               |                 |             |                       |              |              |                         |                         |                        |                       |
| 600.00                | 0.00            | 0.00        | 600.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 700.00                | 0.00            | 0.00        | 700.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 800.00                | 0.00            | 0.00        | 800.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 900.00                | 0.00            | 0.00        | 900.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 994.00                | 0.00            | 0.00        | 994.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| TOP SALT              |                 |             |                       |              |              |                         |                         |                        |                       |
| 1,000.00              | 0.00            | 0.00        | 1,000.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,100.00              | 0.00            | 0.00        | 1,100.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,200.00              | 0.00            | 0.00        | 1,200.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,300.00              | 0.00            | 0.00        | 1,300.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,400.00              | 0.00            | 0.00        | 1,400.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,500.00              | 0.00            | 0.00        | 1,500.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,600.00              | 0.00            | 0.00        | 1,600.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,700.00              | 0.00            | 0.00        | 1,700.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,800.00              | 0.00            | 0.00        | 1,800.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,900.00              | 0.00            | 0.00        | 1,900.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 2,000.00              | 0.00            | 0.00        | 2,000.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 2,100.00              | 0.00            | 0.00        | 2,100.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 2,200.00              | 0.00            | 0.00        | 2,200.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 2,300.00              | 0.00            | 0.00        | 2,300.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 2,400.00              | 0.00            | 0.00        | 2,400.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 2,500.00              | 0.00            | 0.00        | 2,500.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 2,600.00              | 0.00            | 0.00        | 2,600.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 2,700.00              | 0.00            | 0.00        | 2,700.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 2,800.00              | 0.00            | 0.00        | 2,800.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| CASTILE               |                 |             |                       |              |              |                         |                         |                        |                       |
| 2,900.00              | 0.00            | 0.00        | 2,900.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 3,000.00              | 0.00            | 0.00        | 3,000.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 3,100.00              | 0.00            | 0.00        | 3,100.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 3,200.00              | 0.00            | 0.00        | 3,200.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 3,300.00              | 0.00            | 0.00        | 3,300.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 3,400.00              | 0.00            | 0.00        | 3,400.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 3,500.00              | 0.00            | 0.00        | 3,500.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 3,600.00              | 0.00            | 0.00        | 3,600.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 3,700.00              | 0.00            | 0.00        | 3,700.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 3,800.00              | 0.00            | 0.00        | 3,800.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 3,900.00              | 0.00            | 0.00        | 3,900.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 4,000.00              | 0.00            | 0.00        | 4,000.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 4,100.00              | 0.00            | 0.00        | 4,100.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 4,200.00              | 0.00            | 0.00        | 4,200.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 4,300.00              | 0.00            | 0.00        | 4,300.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 4,400.00              | 0.00            | 0.00        | 4,400.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 4,407.00              | 0.00            | 0.00        | 4,407.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| Bell Canyon           |                 |             |                       |              |              |                         |                         |                        |                       |

# LEAM Drilling Systems LLC

## Planning Report

|           |                           |                              |                                              |
|-----------|---------------------------|------------------------------|----------------------------------------------|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well #218H                                   |
| Company:  | DEVON ENERGY              | TVD Reference:               | GE 3420' + KB 28' @ 3448.00usft (Cactus 105) |
| Project:  | Eddy County, NM (NAD-83)  | MD Reference:                | GE 3420' + KB 28' @ 3448.00usft (Cactus 105) |
| Site:     | Cotton Draw Unit          | North Reference:             | Grid                                         |
| Well:     | #218H                     | Survey Calculation Method:   | Minimum Curvature                            |
| Wellbore: | OH                        |                              |                                              |
| Design:   | Plan #1                   |                              |                                              |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 4,500.00              | 0.00            | 0.00        | 4,500.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 4,600.00              | 0.00            | 0.00        | 4,600.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 4,700.00              | 0.00            | 0.00        | 4,700.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 4,800.00              | 0.00            | 0.00        | 4,800.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 4,900.00              | 0.00            | 0.00        | 4,900.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 5,000.00              | 0.00            | 0.00        | 5,000.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 5,100.00              | 0.00            | 0.00        | 5,100.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 5,200.00              | 0.00            | 0.00        | 5,200.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 5,296.00              | 0.00            | 0.00        | 5,296.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| Cherry Canyon         |                 |             |                       |              |              |                         |                         |                        |                       |
| 5,300.00              | 0.00            | 0.00        | 5,300.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 5,400.00              | 0.00            | 0.00        | 5,400.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 5,500.00              | 0.00            | 0.00        | 5,500.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 5,600.00              | 0.00            | 0.00        | 5,600.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 5,700.00              | 0.00            | 0.00        | 5,700.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 5,800.00              | 0.00            | 0.00        | 5,800.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 5,900.00              | 0.00            | 0.00        | 5,900.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 6,000.00              | 0.00            | 0.00        | 6,000.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 6,100.00              | 0.00            | 0.00        | 6,100.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 6,200.00              | 0.00            | 0.00        | 6,200.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 6,300.00              | 0.00            | 0.00        | 6,300.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 6,400.00              | 0.00            | 0.00        | 6,400.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 6,500.00              | 0.00            | 0.00        | 6,500.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 6,600.00              | 0.00            | 0.00        | 6,600.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 6,621.00              | 0.00            | 0.00        | 6,621.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| Brushy Canyon         |                 |             |                       |              |              |                         |                         |                        |                       |
| 6,700.00              | 0.00            | 0.00        | 6,700.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 6,800.00              | 0.00            | 0.00        | 6,800.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 6,900.00              | 0.00            | 0.00        | 6,900.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 7,000.00              | 0.00            | 0.00        | 7,000.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 7,100.00              | 0.00            | 0.00        | 7,100.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 7,200.00              | 0.00            | 0.00        | 7,200.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 7,300.00              | 0.00            | 0.00        | 7,300.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 7,400.00              | 0.00            | 0.00        | 7,400.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 7,500.00              | 0.00            | 0.00        | 7,500.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 7,600.00              | 0.00            | 0.00        | 7,600.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 7,700.00              | 0.00            | 0.00        | 7,700.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 7,800.00              | 0.00            | 0.00        | 7,800.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 7,900.00              | 0.00            | 0.00        | 7,900.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 8,000.00              | 0.00            | 0.00        | 8,000.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 8,100.00              | 0.00            | 0.00        | 8,100.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 8,200.00              | 0.00            | 0.00        | 8,200.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 8,203.00              | 0.00            | 0.00        | 8,203.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1st Bone Spring Lime  |                 |             |                       |              |              |                         |                         |                        |                       |
| 8,300.00              | 0.00            | 0.00        | 8,300.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 8,400.00              | 0.00            | 0.00        | 8,400.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 8,500.00              | 0.00            | 0.00        | 8,500.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 8,600.00              | 0.00            | 0.00        | 8,600.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 8,700.00              | 0.00            | 0.00        | 8,700.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 8,800.00              | 0.00            | 0.00        | 8,800.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 8,900.00              | 0.00            | 0.00        | 8,900.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |



# LEAM Drilling Systems LLC

## Planning Report

|           |                           |                              |                                              |
|-----------|---------------------------|------------------------------|----------------------------------------------|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well #218H                                   |
| Company:  | DEVON ENERGY              | TVD Reference:               | GE 3420' + KB 28' @ 3448.00usft (Cactus 105) |
| Project:  | Eddy County, NM (NAD-83)  | MD Reference:                | GE 3420' + KB 28' @ 3448.00usft (Cactus 105) |
| Site:     | Cotton Draw Unit          | North Reference:             | Grid                                         |
| Well:     | #218H                     | Survey Calculation Method:   | Minimum Curvature                            |
| Wellbore: | OH                        |                              |                                              |
| Design:   | Plan #1                   |                              |                                              |

| Planned Survey                                |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)                         | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 9,000.00                                      | 0.00            | 0.00        | 9,000.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 9,100.00                                      | 0.00            | 0.00        | 9,100.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 9,200.00                                      | 0.00            | 0.00        | 9,200.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 9,300.00                                      | 0.00            | 0.00        | 9,300.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 9,334.00                                      | 0.00            | 0.00        | 9,334.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| <b>1st Bone Spring Sand</b>                   |                 |             |                       |              |              |                         |                         |                        |                       |
| 9,400.00                                      | 0.00            | 0.00        | 9,400.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 9,500.00                                      | 0.00            | 0.00        | 9,500.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 9,600.00                                      | 0.00            | 0.00        | 9,600.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 9,700.00                                      | 0.00            | 0.00        | 9,700.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 9,711.00                                      | 0.00            | 0.00        | 9,711.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| <b>2nd Bone Spring Lime</b>                   |                 |             |                       |              |              |                         |                         |                        |                       |
| 9,783.04                                      | 0.00            | 0.00        | 9,783.04              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| <b>KOP: Start Build 10.00</b>                 |                 |             |                       |              |              |                         |                         |                        |                       |
| 9,800.00                                      | 1.70            | 336.37      | 9,800.00              | 0.23         | -0.10        | 0.23                    | 10.00                   | 10.00                  | 0.00                  |
| 9,850.00                                      | 6.70            | 336.37      | 9,849.85              | 3.58         | -1.57        | 3.58                    | 10.00                   | 10.00                  | 0.00                  |
| 9,890.63                                      | 10.76           | 336.37      | 9,890.00              | 9.23         | -4.04        | 9.23                    | 10.00                   | 10.00                  | 0.00                  |
| <b>2nd Bone Spring Sand</b>                   |                 |             |                       |              |              |                         |                         |                        |                       |
| 9,900.00                                      | 11.70           | 336.37      | 9,899.19              | 10.90        | -4.77        | 10.90                   | 10.00                   | 10.00                  | 0.00                  |
| 9,950.00                                      | 16.70           | 336.37      | 9,947.65              | 22.13        | -9.68        | 22.13                   | 10.00                   | 10.00                  | 0.00                  |
| 10,000.00                                     | 21.70           | 336.37      | 9,994.85              | 37.19        | -16.27       | 37.19                   | 10.00                   | 10.00                  | 0.00                  |
| 10,050.00                                     | 26.70           | 336.37      | 10,040.45             | 55.95        | -24.48       | 55.95                   | 10.00                   | 10.00                  | 0.00                  |
| 10,100.00                                     | 31.70           | 336.37      | 10,084.08             | 78.29        | -34.25       | 78.29                   | 10.00                   | 10.00                  | 0.00                  |
| 10,150.00                                     | 36.70           | 336.37      | 10,125.42             | 104.03       | -45.51       | 104.03                  | 10.00                   | 10.00                  | 0.00                  |
| 10,200.00                                     | 41.70           | 336.37      | 10,164.16             | 132.97       | -58.18       | 132.97                  | 10.00                   | 10.00                  | 0.00                  |
| 10,250.00                                     | 46.70           | 336.37      | 10,200.00             | 164.89       | -72.14       | 164.89                  | 10.00                   | 10.00                  | 0.00                  |
| 10,300.00                                     | 51.70           | 336.37      | 10,232.66             | 199.56       | -87.31       | 199.56                  | 10.00                   | 10.00                  | 0.00                  |
| 10,350.00                                     | 56.70           | 336.37      | 10,261.90             | 236.70       | -103.56      | 236.70                  | 10.00                   | 10.00                  | 0.00                  |
| 10,400.00                                     | 61.70           | 336.37      | 10,287.50             | 276.03       | -120.76      | 276.03                  | 10.00                   | 10.00                  | 0.00                  |
| 10,450.00                                     | 66.70           | 336.37      | 10,309.26             | 317.26       | -138.80      | 317.26                  | 10.00                   | 10.00                  | 0.00                  |
| 10,500.00                                     | 71.70           | 336.37      | 10,327.01             | 360.06       | -157.53      | 360.06                  | 10.00                   | 10.00                  | 0.00                  |
| 10,550.00                                     | 76.70           | 336.37      | 10,340.62             | 404.13       | -176.81      | 404.13                  | 10.00                   | 10.00                  | 0.00                  |
| 10,600.00                                     | 81.70           | 336.37      | 10,349.99             | 449.11       | -196.49      | 449.11                  | 10.00                   | 10.00                  | 0.00                  |
| 10,650.00                                     | 86.70           | 336.37      | 10,355.05             | 494.67       | -216.42      | 494.67                  | 10.00                   | 10.00                  | 0.00                  |
| 10,690.14                                     | 90.71           | 336.37      | 10,355.95             | 531.42       | -232.50      | 531.42                  | 10.00                   | 10.00                  | 0.00                  |
| <b>EOC: Start Turn DLS 2.00 TFO 89.85</b>     |                 |             |                       |              |              |                         |                         |                        |                       |
| 10,700.00                                     | 90.71           | 336.57      | 10,355.83             | 540.46       | -236.44      | 540.46                  | 2.00                    | 0.01                   | 2.00                  |
| 10,800.00                                     | 90.72           | 338.57      | 10,354.59             | 632.88       | -274.59      | 632.88                  | 2.00                    | 0.00                   | 2.00                  |
| 10,900.00                                     | 90.72           | 340.57      | 10,353.34             | 726.58       | -309.50      | 726.58                  | 2.00                    | 0.00                   | 2.00                  |
| 11,000.00                                     | 90.72           | 342.57      | 10,352.08             | 821.44       | -341.11      | 821.44                  | 2.00                    | 0.00                   | 2.00                  |
| 11,100.00                                     | 90.72           | 344.57      | 10,350.82             | 917.34       | -369.40      | 917.34                  | 2.00                    | 0.00                   | 2.00                  |
| 11,200.00                                     | 90.72           | 346.57      | 10,349.55             | 1,014.17     | -394.31      | 1,014.17                | 2.00                    | 0.00                   | 2.00                  |
| 11,300.00                                     | 90.73           | 348.57      | 10,348.29             | 1,111.81     | -415.84      | 1,111.81                | 2.00                    | 0.00                   | 2.00                  |
| 11,400.00                                     | 90.72           | 350.57      | 10,347.02             | 1,210.15     | -433.94      | 1,210.15                | 2.00                    | 0.00                   | 2.00                  |
| 11,500.00                                     | 90.72           | 352.57      | 10,345.76             | 1,309.06     | -448.60      | 1,309.06                | 2.00                    | 0.00                   | 2.00                  |
| 11,600.00                                     | 90.72           | 354.57      | 10,344.50             | 1,408.41     | -459.80      | 1,408.41                | 2.00                    | 0.00                   | 2.00                  |
| 11,700.00                                     | 90.72           | 356.57      | 10,343.24             | 1,508.10     | -467.53      | 1,508.10                | 2.00                    | 0.00                   | 2.00                  |
| 11,800.00                                     | 90.71           | 358.57      | 10,341.99             | 1,608.00     | -471.77      | 1,608.00                | 2.00                    | 0.00                   | 2.00                  |
| 11,871.53                                     | 90.71           | 0.00        | 10,341.11             | 1,679.52     | -472.66      | 1,679.52                | 2.00                    | 0.00                   | 2.00                  |
| <b>EOT: Start 3075.98 hold at 11871.53 MD</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 11,900.00                                     | 90.71           | 0.00        | 10,340.75             | 1,707.98     | -472.66      | 1,707.98                | 0.00                    | 0.00                   | 0.00                  |

# LEAM Drilling Systems LLC

## Planning Report

|           |                           |                              |                                              |
|-----------|---------------------------|------------------------------|----------------------------------------------|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well #218H                                   |
| Company:  | DEVON ENERGY              | TVD Reference:               | GE 3420' + KB 28' @ 3448.00usft (Cactus 105) |
| Project:  | Eddy County, NM (NAD-83)  | MD Reference:                | GE 3420' + KB 28' @ 3448.00usft (Cactus 105) |
| Site:     | Cotton Draw Unit          | North Reference:             | Grid                                         |
| Well:     | #218H                     | Survey Calculation Method:   | Minimum Curvature                            |
| Wellbore: | OH                        |                              |                                              |
| Design:   | Plan #1                   |                              |                                              |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 12,000.00             | 90.71           | 0.00        | 10,339.51             | 1,807.98     | -472.66      | 1,807.98                | 0.00                    | 0.00                   | 0.00                  |
| 12,100.00             | 90.71           | 0.00        | 10,338.28             | 1,907.97     | -472.66      | 1,907.97                | 0.00                    | 0.00                   | 0.00                  |
| 12,200.00             | 90.71           | 0.00        | 10,337.04             | 2,007.96     | -472.66      | 2,007.96                | 0.00                    | 0.00                   | 0.00                  |
| 12,300.00             | 90.71           | 0.00        | 10,335.80             | 2,107.95     | -472.66      | 2,107.95                | 0.00                    | 0.00                   | 0.00                  |
| 12,400.00             | 90.71           | 0.00        | 10,334.56             | 2,207.95     | -472.66      | 2,207.95                | 0.00                    | 0.00                   | 0.00                  |
| 12,500.00             | 90.71           | 0.00        | 10,333.32             | 2,307.94     | -472.66      | 2,307.94                | 0.00                    | 0.00                   | 0.00                  |
| 12,600.00             | 90.71           | 0.00        | 10,332.08             | 2,407.93     | -472.66      | 2,407.93                | 0.00                    | 0.00                   | 0.00                  |
| 12,700.00             | 90.71           | 0.00        | 10,330.84             | 2,507.92     | -472.66      | 2,507.92                | 0.00                    | 0.00                   | 0.00                  |
| 12,800.00             | 90.71           | 0.00        | 10,329.60             | 2,607.91     | -472.66      | 2,607.91                | 0.00                    | 0.00                   | 0.00                  |
| 12,900.00             | 90.71           | 0.00        | 10,328.37             | 2,707.91     | -472.66      | 2,707.91                | 0.00                    | 0.00                   | 0.00                  |
| 13,000.00             | 90.71           | 0.00        | 10,327.13             | 2,807.90     | -472.66      | 2,807.90                | 0.00                    | 0.00                   | 0.00                  |
| 13,100.00             | 90.71           | 0.00        | 10,325.89             | 2,907.89     | -472.66      | 2,907.89                | 0.00                    | 0.00                   | 0.00                  |
| 13,200.00             | 90.71           | 0.00        | 10,324.65             | 3,007.88     | -472.66      | 3,007.88                | 0.00                    | 0.00                   | 0.00                  |
| 13,300.00             | 90.71           | 0.00        | 10,323.41             | 3,107.88     | -472.66      | 3,107.88                | 0.00                    | 0.00                   | 0.00                  |
| 13,400.00             | 90.71           | 0.00        | 10,322.17             | 3,207.87     | -472.66      | 3,207.87                | 0.00                    | 0.00                   | 0.00                  |
| 13,500.00             | 90.71           | 0.00        | 10,320.93             | 3,307.86     | -472.66      | 3,307.86                | 0.00                    | 0.00                   | 0.00                  |
| 13,600.00             | 90.71           | 0.00        | 10,319.69             | 3,407.85     | -472.66      | 3,407.85                | 0.00                    | 0.00                   | 0.00                  |
| 13,700.00             | 90.71           | 0.00        | 10,318.45             | 3,507.85     | -472.66      | 3,507.85                | 0.00                    | 0.00                   | 0.00                  |
| 13,800.00             | 90.71           | 0.00        | 10,317.22             | 3,607.84     | -472.66      | 3,607.84                | 0.00                    | 0.00                   | 0.00                  |
| 13,900.00             | 90.71           | 0.00        | 10,315.98             | 3,707.83     | -472.66      | 3,707.83                | 0.00                    | 0.00                   | 0.00                  |
| 14,000.00             | 90.71           | 0.00        | 10,314.74             | 3,807.82     | -472.66      | 3,807.82                | 0.00                    | 0.00                   | 0.00                  |
| 14,100.00             | 90.71           | 0.00        | 10,313.50             | 3,907.81     | -472.66      | 3,907.81                | 0.00                    | 0.00                   | 0.00                  |
| 14,200.00             | 90.71           | 0.00        | 10,312.26             | 4,007.81     | -472.66      | 4,007.81                | 0.00                    | 0.00                   | 0.00                  |
| 14,300.00             | 90.71           | 0.00        | 10,311.02             | 4,107.80     | -472.66      | 4,107.80                | 0.00                    | 0.00                   | 0.00                  |
| 14,400.00             | 90.71           | 0.00        | 10,309.78             | 4,207.79     | -472.66      | 4,207.79                | 0.00                    | 0.00                   | 0.00                  |
| 14,500.00             | 90.71           | 0.00        | 10,308.54             | 4,307.78     | -472.66      | 4,307.78                | 0.00                    | 0.00                   | 0.00                  |
| 14,600.00             | 90.71           | 0.00        | 10,307.31             | 4,407.78     | -472.66      | 4,407.78                | 0.00                    | 0.00                   | 0.00                  |
| 14,700.00             | 90.71           | 0.00        | 10,306.07             | 4,507.77     | -472.66      | 4,507.77                | 0.00                    | 0.00                   | 0.00                  |
| 14,800.00             | 90.71           | 0.00        | 10,304.83             | 4,607.76     | -472.66      | 4,607.76                | 0.00                    | 0.00                   | 0.00                  |
| 14,900.00             | 90.71           | 0.00        | 10,303.59             | 4,707.75     | -472.66      | 4,707.75                | 0.00                    | 0.00                   | 0.00                  |
| 14,947.51             | 90.71           | 0.00        | 10,303.00             | 4,755.26     | -472.66      | 4,755.26                | 0.00                    | 0.00                   | 0.00                  |
| TD at 14947.51' MD    |                 |             |                       |              |              |                         |                         |                        |                       |

| Design Targets            |               |              |            |              |              |                 |                |                 |                   |
|---------------------------|---------------|--------------|------------|--------------|--------------|-----------------|----------------|-----------------|-------------------|
| Target Name               | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude        | Longitude         |
| - hit/miss target         |               |              |            |              |              |                 |                |                 |                   |
| - Shape                   |               |              |            |              |              |                 |                |                 |                   |
| SHL(CDU 218H)             | 0.00          | 0.00         | 0.00       | 0.00         | 0.00         | 419,789.22      | 720,751.95     | 32° 9' 9.904 N  | 103° 45' 12.945 W |
| - plan hits target center |               |              |            |              |              |                 |                |                 |                   |
| - Point                   |               |              |            |              |              |                 |                |                 |                   |
| PBHL(CDU 218H)            | 0.00          | 0.00         | 10,303.00  | 4,755.26     | -472.66      | 424,544.48      | 720,279.29     | 32° 9' 56.985 N | 103° 45' 18.146 W |
| - plan hits target center |               |              |            |              |              |                 |                |                 |                   |
| - Point                   |               |              |            |              |              |                 |                |                 |                   |

# LEAM Drilling Systems LLC

## Planning Report

|           |                           |                              |                                              |
|-----------|---------------------------|------------------------------|----------------------------------------------|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well #218H                                   |
| Company:  | DEVON ENERGY              | TVD Reference:               | GE 3420' + KB 28' @ 3448.00usft (Cactus 105) |
| Project:  | Eddy County, NM (NAD-83)  | MD Reference:                | GE 3420' + KB 28' @ 3448.00usft (Cactus 105) |
| Site:     | Cotton Draw Unit          | North Reference:             | Grid                                         |
| Well:     | #218H                     | Survey Calculation Method:   | Minimum Curvature                            |
| Wellbore: | OH                        |                              |                                              |
| Design:   | Plan #1                   |                              |                                              |

| Formations            |                       |                      |           |         |                   |  |
|-----------------------|-----------------------|----------------------|-----------|---------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name                 | Lithology | Dip (°) | Dip Direction (°) |  |
| 599.00                | 599.00                | RUSTLER              |           |         |                   |  |
| 994.00                | 994.00                | TOP SALT             |           |         |                   |  |
| 2,800.00              | 2,800.00              | CASTILE              |           |         |                   |  |
| 4,407.00              | 4,407.00              | Bell Canyon          |           |         |                   |  |
| 5,296.00              | 5,296.00              | Cherry Canyon        |           |         |                   |  |
| 6,621.00              | 6,621.00              | Brushy Canyon        |           |         |                   |  |
| 8,203.00              | 8,203.00              | 1st Bone Spring Lime |           |         |                   |  |
| 9,334.00              | 9,334.00              | 1st Bone Spring Sand |           |         |                   |  |
| 9,711.00              | 9,711.00              | 2nd Bone Spring Lime |           |         |                   |  |
| 9,890.63              | 9,890.00              | 2nd Bone Spring Sand |           |         |                   |  |

| Plan Annotations      |                       |                   |              |                                        |
|-----------------------|-----------------------|-------------------|--------------|----------------------------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              | Comment                                |
|                       |                       | +N/-S (usft)      | +E/-W (usft) |                                        |
| 9,783.04              | 9,783.04              | 0.00              | 0.00         | KOP: Start Build 10.00                 |
| 10,690.14             | 10,355.95             | 531.42            | -232.50      | EOC: Start Turn DLS 2.00 TFO 89.85     |
| 11,871.53             | 10,341.11             | 1,679.52          | -472.66      | EOT: Start 3075.98 hold at 11871.53 MD |
| 14,947.51             | 10,303.00             | 4,755.26          | -472.66      | TD at 14947.51' MD                     |

# **DEVON ENERGY**

Eddy County, NM (NAD-83)  
Cotton Draw Unit  
#218H

OH  
Plan #1

## **Anticollision Report**

20 June, 2013

# LEAM Drilling Systems LLC

## Anticollision Report

|                     |                          |                              |                                              |
|---------------------|--------------------------|------------------------------|----------------------------------------------|
| Company:            | DEVON ENERGY             | Local Co-ordinate Reference: | Well #218H                                   |
| Project:            | Eddy County, NM (NAD-83) | TVD Reference:               | GE 3420' + KB 28' @ 3448.00usft (Cactus 105) |
| Reference Site:     | Cotton Draw Unit         | MD Reference:                | GE 3420' + KB 28' @ 3448.00usft (Cactus 105) |
| Site Error:         | 0.00 usft                | North Reference:             | Grid                                         |
| Reference Well:     | #218H                    | Survey Calculation Method:   | Minimum Curvature                            |
| Well Error:         | 0.00 usft                | Output errors are at         | 2.00 sigma                                   |
| Reference Wellbore: | OH                       | Database:                    | EDM 5000.1 Single User Db                    |
| Reference Design:   | Plan #1                  | Offset TVD Reference:        | Reference Datum                              |

|                              |                                                                     |                |                     |
|------------------------------|---------------------------------------------------------------------|----------------|---------------------|
| Reference                    | Plan #1                                                             |                |                     |
| Filter type:                 | NO GLOBAL FILTER: Using user defined selection & filtering criteria |                |                     |
| Interpolation Method:        | MD + Stations Interval 100.00usft                                   | Error Model:   | ISCWSA              |
| Depth Range:                 | 0.00 to 14,947.51usft                                               | Scan Method:   | Closest Approach 3D |
| Results Limited by:          | Maximum center-center distance of 2,000,000.00 usft                 | Error Surface: | Elliptical Conic    |
| Warning Levels Evaluated at: | 2.00 Sigma                                                          | Casing Method: | Not applied         |

|                     |           |                   |           |                |
|---------------------|-----------|-------------------|-----------|----------------|
| Survey Tool Program |           | Date: 06/20/13    |           |                |
| From (usft)         | To (usft) | Survey (Wellbore) | Tool Name | Description    |
| 0.00                | 14,947.51 | Plan #1 (OH)      | LEAM MWD  | MWD - Standard |

| 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 |                                 |                              |                                 |                                  |                   |                     |  |
| Cotton Draw Unit                |                                 |                              |                                 |                                  |                   |                     |  |
| 202H - OH - Plan #1             | 9,600.00                        | 9,601.00                     | 49.95                           | 7.08                             | 1.165             | Level 2, CC, ES, SF |  |

| Offset Design              |          |          |          |                 |        |          |                        |         |         |          | Cotton Draw Unit - 202H - OH - Plan #1 |         | Offset Site Error: 0.00 usft |  |
|----------------------------|----------|----------|----------|-----------------|--------|----------|------------------------|---------|---------|----------|----------------------------------------|---------|------------------------------|--|
| Survey Program: 0-LEAM MWD |          |          |          |                 |        |          |                        |         |         |          |                                        |         | Offset Well Error: 0.00 usft |  |
| Reference                  |          | Offset   |          | Semi Major Axis |        |          | Distance               |         |         |          |                                        |         |                              |  |
| Measured Depth             | Vertical | Measured | Vertical | Reference       | Offset | Highside | Offset Wellbore Centre | Between | Between | Minimum  | Separation                             | Warning |                              |  |
| Depth                      | Depth    | Depth    | Depth    |                 |        | Toolface | +N/-S                  | +E/-W   | Centres | Ellipses | Separation                             | Factor  |                              |  |
| (usft)                     | (usft)   | (usft)   | (usft)   | (usft)          | (usft) | (°)      | (usft)                 | (usft)  | (usft)  | (usft)   | (usft)                                 |         |                              |  |
| 0.00                       | 0.00     | 1.00     | 0.00     | 0.00            | 0.00   | 90.42    | -0.37                  | 49.95   | 49.95   |          |                                        |         |                              |  |
| 100.00                     | 100.00   | 101.00   | 100.00   | 0.08            | 0.08   | 90.42    | -0.37                  | 49.95   | 49.95   | 49.79    | 0.16                                   | 304.434 |                              |  |
| 200.00                     | 200.00   | 201.00   | 200.00   | 0.31            | 0.31   | 90.42    | -0.37                  | 49.95   | 49.95   | 49.34    | 0.61                                   | 81.406  |                              |  |
| 300.00                     | 300.00   | 301.00   | 300.00   | 0.53            | 0.53   | 90.42    | -0.37                  | 49.95   | 49.95   | 48.89    | 1.06                                   | 46.985  |                              |  |
| 400.00                     | 400.00   | 401.00   | 400.00   | 0.76            | 0.76   | 90.42    | -0.37                  | 49.95   | 49.95   | 48.44    | 1.51                                   | 33.022  |                              |  |
| 500.00                     | 500.00   | 501.00   | 500.00   | 0.98            | 0.98   | 90.42    | -0.37                  | 49.95   | 49.95   | 47.99    | 1.96                                   | 25.457  |                              |  |
| 600.00                     | 600.00   | 601.00   | 600.00   | 1.20            | 1.21   | 90.42    | -0.37                  | 49.95   | 49.95   | 47.54    | 2.41                                   | 20.712  |                              |  |
| 700.00                     | 700.00   | 701.00   | 700.00   | 1.43            | 1.43   | 90.42    | -0.37                  | 49.95   | 49.95   | 47.09    | 2.86                                   | 17.458  |                              |  |
| 800.00                     | 800.00   | 801.00   | 800.00   | 1.65            | 1.66   | 90.42    | -0.37                  | 49.95   | 49.95   | 46.64    | 3.31                                   | 15.087  |                              |  |
| 900.00                     | 900.00   | 901.00   | 900.00   | 1.88            | 1.88   | 90.42    | -0.37                  | 49.95   | 49.95   | 46.19    | 3.76                                   | 13.284  |                              |  |
| 1,000.00                   | 1,000.00 | 1,001.00 | 1,000.00 | 2.10            | 2.11   | 90.42    | -0.37                  | 49.95   | 49.95   | 45.74    | 4.21                                   | 11.865  |                              |  |
| 1,100.00                   | 1,100.00 | 1,101.00 | 1,100.00 | 2.33            | 2.33   | 90.42    | -0.37                  | 49.95   | 49.95   | 45.29    | 4.66                                   | 10.721  |                              |  |
| 1,200.00                   | 1,200.00 | 1,201.00 | 1,200.00 | 2.55            | 2.56   | 90.42    | -0.37                  | 49.95   | 49.95   | 44.84    | 5.11                                   | 9.777   |                              |  |
| 1,300.00                   | 1,300.00 | 1,301.00 | 1,300.00 | 2.78            | 2.78   | 90.42    | -0.37                  | 49.95   | 49.95   | 44.39    | 5.56                                   | 8.987   |                              |  |
| 1,400.00                   | 1,400.00 | 1,401.00 | 1,400.00 | 3.00            | 3.01   | 90.42    | -0.37                  | 49.95   | 49.95   | 43.94    | 6.01                                   | 8.314   |                              |  |
| 1,500.00                   | 1,500.00 | 1,501.00 | 1,500.00 | 3.23            | 3.23   | 90.42    | -0.37                  | 49.95   | 49.95   | 43.49    | 6.46                                   | 7.735   |                              |  |
| 1,600.00                   | 1,600.00 | 1,601.00 | 1,600.00 | 3.45            | 3.45   | 90.42    | -0.37                  | 49.95   | 49.95   | 43.04    | 6.91                                   | 7.232   |                              |  |
| 1,700.00                   | 1,700.00 | 1,701.00 | 1,700.00 | 3.68            | 3.68   | 90.42    | -0.37                  | 49.95   | 49.95   | 42.59    | 7.36                                   | 6.790   |                              |  |
| 1,800.00                   | 1,800.00 | 1,801.00 | 1,800.00 | 3.90            | 3.90   | 90.42    | -0.37                  | 49.95   | 49.95   | 42.15    | 7.81                                   | 6.399   |                              |  |
| 1,900.00                   | 1,900.00 | 1,901.00 | 1,900.00 | 4.13            | 4.13   | 90.42    | -0.37                  | 49.95   | 49.95   | 41.70    | 8.26                                   | 6.051   |                              |  |
| 2,000.00                   | 2,000.00 | 2,001.00 | 2,000.00 | 4.35            | 4.35   | 90.42    | -0.37                  | 49.95   | 49.95   | 41.25    | 8.71                                   | 5.738   |                              |  |
| 2,100.00                   | 2,100.00 | 2,101.00 | 2,100.00 | 4.58            | 4.58   | 90.42    | -0.37                  | 49.95   | 49.95   | 40.80    | 9.15                                   | 5.456   |                              |  |
| 2,200.00                   | 2,200.00 | 2,201.00 | 2,200.00 | 4.80            | 4.80   | 90.42    | -0.37                  | 49.95   | 49.95   | 40.35    | 9.60                                   | 5.201   |                              |  |
| 2,300.00                   | 2,300.00 | 2,301.00 | 2,300.00 | 5.03            | 5.03   | 90.42    | -0.37                  | 49.95   | 49.95   | 39.90    | 10.05                                  | 4.968   |                              |  |

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 #218H                                   |
| Project:            | Eddy County, NM (NAD-83) | TVD Reference:               | GE 3420' + KB 28' @ 3448.00usft (Cactus 105) |
| Reference Site:     | Cotton Draw Unit         | MD Reference:                | GE 3420' + KB 28' @ 3448.00usft (Cactus 105) |
| Site Error:         | 0.00 usft                | North Reference:             | Grid                                         |
| Reference Well:     | #218H                    | Survey Calculation Method:   | Minimum Curvature                            |
| Well Error:         | 0.00 usft                | Output errors are at:        | 2.00 sigma                                   |
| Reference Wellbore: | OH                       | Database:                    | EDM 5000.1 Single User Db                    |
| Reference Design:   | Plan #1                  | Offset TVD Reference:        | Reference Datum                              |

| Offset Design Cotton Draw Unit - 202H - OH - Plan #1 |                       |                       |                       |                  |               |                        |                       |                                    |             |                        |                         |                           | Offset Site Error: |
|------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|------------------------|-----------------------|------------------------------------|-------------|------------------------|-------------------------|---------------------------|--------------------|
| Survey Program: 0-LEAM MWD                           |                       |                       |                       |                  |               |                        |                       |                                    |             |                        |                         |                           | Offset Well Error: |
| 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) | +E-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |
| 2,400.00                                             | 2,400.00              | 2,401.00              | 2,400.00              | 5.25             | 5.25          | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 39.45                   | 10.50                     | 4.756              |
| 2,500.00                                             | 2,500.00              | 2,501.00              | 2,500.00              | 5.48             | 5.48          | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 39.00                   | 10.95                     | 4.561              |
| 2,600.00                                             | 2,600.00              | 2,601.00              | 2,600.00              | 5.70             | 5.70          | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 38.55                   | 11.40                     | 4.381              |
| 2,700.00                                             | 2,700.00              | 2,701.00              | 2,700.00              | 5.92             | 5.93          | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 38.10                   | 11.85                     | 4.215              |
| 2,800.00                                             | 2,800.00              | 2,801.00              | 2,800.00              | 6.15             | 6.15          | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 37.65                   | 12.30                     | 4.061              |
| 2,900.00                                             | 2,900.00              | 2,901.00              | 2,900.00              | 6.37             | 6.38          | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 37.20                   | 12.75                     | 3.917              |
| 3,000.00                                             | 3,000.00              | 3,001.00              | 3,000.00              | 6.60             | 6.60          | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 36.75                   | 13.20                     | 3.784              |
| 3,100.00                                             | 3,100.00              | 3,101.00              | 3,100.00              | 6.82             | 6.83          | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 36.30                   | 13.65                     | 3.659              |
| 3,200.00                                             | 3,200.00              | 3,201.00              | 3,200.00              | 7.05             | 7.05          | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 35.85                   | 14.10                     | 3.543              |
| 3,300.00                                             | 3,300.00              | 3,301.00              | 3,300.00              | 7.27             | 7.28          | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 35.40                   | 14.55                     | 3.433              |
| 3,400.00                                             | 3,400.00              | 3,401.00              | 3,400.00              | 7.50             | 7.50          | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 34.95                   | 15.00                     | 3.330              |
| 3,500.00                                             | 3,500.00              | 3,501.00              | 3,500.00              | 7.72             | 7.73          | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 34.50                   | 15.45                     | 3.233              |
| 3,600.00                                             | 3,600.00              | 3,601.00              | 3,600.00              | 7.95             | 7.95          | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 34.05                   | 15.90                     | 3.142              |
| 3,700.00                                             | 3,700.00              | 3,701.00              | 3,700.00              | 8.17             | 8.17          | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 33.60                   | 16.35                     | 3.056              |
| 3,800.00                                             | 3,800.00              | 3,801.00              | 3,800.00              | 8.40             | 8.40          | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 33.15                   | 16.80                     | 2.974              |
| 3,900.00                                             | 3,900.00              | 3,901.00              | 3,900.00              | 8.62             | 8.62          | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 32.71                   | 17.25                     | 2.896              |
| 4,000.00                                             | 4,000.00              | 4,001.00              | 4,000.00              | 8.85             | 8.85          | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 32.26                   | 17.70                     | 2.823              |
| 4,100.00                                             | 4,100.00              | 4,101.00              | 4,100.00              | 9.07             | 9.07          | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 31.81                   | 18.15                     | 2.753              |
| 4,200.00                                             | 4,200.00              | 4,201.00              | 4,200.00              | 9.30             | 9.30          | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 31.36                   | 18.59                     | 2.686              |
| 4,300.00                                             | 4,300.00              | 4,301.00              | 4,300.00              | 9.52             | 9.52          | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 30.91                   | 19.04                     | 2.623              |
| 4,400.00                                             | 4,400.00              | 4,401.00              | 4,400.00              | 9.75             | 9.75          | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 30.46                   | 19.49                     | 2.562              |
| 4,500.00                                             | 4,500.00              | 4,501.00              | 4,500.00              | 9.97             | 9.97          | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 30.01                   | 19.94                     | 2.505              |
| 4,600.00                                             | 4,600.00              | 4,601.00              | 4,600.00              | 10.20            | 10.20         | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 29.56                   | 20.39                     | 2.449              |
| 4,700.00                                             | 4,700.00              | 4,701.00              | 4,700.00              | 10.42            | 10.42         | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 29.11                   | 20.84                     | 2.397              |
| 4,800.00                                             | 4,800.00              | 4,801.00              | 4,800.00              | 10.64            | 10.65         | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 28.66                   | 21.29                     | 2.346              |
| 4,900.00                                             | 4,900.00              | 4,901.00              | 4,900.00              | 10.87            | 10.87         | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 28.21                   | 21.74                     | 2.298              |
| 5,000.00                                             | 5,000.00              | 5,001.00              | 5,000.00              | 11.09            | 11.10         | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 27.76                   | 22.19                     | 2.251              |
| 5,100.00                                             | 5,100.00              | 5,101.00              | 5,100.00              | 11.32            | 11.32         | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 27.31                   | 22.64                     | 2.206              |
| 5,200.00                                             | 5,200.00              | 5,201.00              | 5,200.00              | 11.54            | 11.55         | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 26.86                   | 23.09                     | 2.163              |
| 5,300.00                                             | 5,300.00              | 5,301.00              | 5,300.00              | 11.77            | 11.77         | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 26.41                   | 23.54                     | 2.122              |
| 5,400.00                                             | 5,400.00              | 5,401.00              | 5,400.00              | 11.99            | 12.00         | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 25.96                   | 23.99                     | 2.082              |
| 5,500.00                                             | 5,500.00              | 5,501.00              | 5,500.00              | 12.22            | 12.22         | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 25.51                   | 24.44                     | 2.044              |
| 5,600.00                                             | 5,600.00              | 5,601.00              | 5,600.00              | 12.44            | 12.45         | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 25.06                   | 24.89                     | 2.007              |
| 5,700.00                                             | 5,700.00              | 5,701.00              | 5,700.00              | 12.67            | 12.67         | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 24.61                   | 25.34                     | 1.971              |
| 5,800.00                                             | 5,800.00              | 5,801.00              | 5,800.00              | 12.89            | 12.89         | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 24.16                   | 25.79                     | 1.937              |
| 5,900.00                                             | 5,900.00              | 5,901.00              | 5,900.00              | 13.12            | 13.12         | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 23.71                   | 26.24                     | 1.904              |
| 6,000.00                                             | 6,000.00              | 6,001.00              | 6,000.00              | 13.34            | 13.34         | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 23.26                   | 26.69                     | 1.872              |
| 6,100.00                                             | 6,100.00              | 6,101.00              | 6,100.00              | 13.57            | 13.57         | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 22.82                   | 27.14                     | 1.841              |
| 6,200.00                                             | 6,200.00              | 6,201.00              | 6,200.00              | 13.79            | 13.79         | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 22.37                   | 27.59                     | 1.811              |
| 6,300.00                                             | 6,300.00              | 6,301.00              | 6,300.00              | 14.02            | 14.02         | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 21.92                   | 28.04                     | 1.782              |
| 6,400.00                                             | 6,400.00              | 6,401.00              | 6,400.00              | 14.24            | 14.24         | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 21.47                   | 28.48                     | 1.754              |
| 6,500.00                                             | 6,500.00              | 6,501.00              | 6,500.00              | 14.47            | 14.47         | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 21.02                   | 28.93                     | 1.726              |
| 6,600.00                                             | 6,600.00              | 6,601.00              | 6,600.00              | 14.69            | 14.69         | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 20.57                   | 29.38                     | 1.700              |
| 6,700.00                                             | 6,700.00              | 6,701.00              | 6,700.00              | 14.92            | 14.92         | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 20.12                   | 29.83                     | 1.674              |
| 6,800.00                                             | 6,800.00              | 6,801.00              | 6,800.00              | 15.14            | 15.14         | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 19.67                   | 30.28                     | 1.650              |
| 6,900.00                                             | 6,900.00              | 6,901.00              | 6,900.00              | 15.37            | 15.37         | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 19.22                   | 30.73                     | 1.625              |
| 7,000.00                                             | 7,000.00              | 7,001.00              | 7,000.00              | 15.59            | 15.59         | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 18.77                   | 31.18                     | 1.602              |
| 7,100.00                                             | 7,100.00              | 7,101.00              | 7,100.00              | 15.81            | 15.82         | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 18.32                   | 31.63                     | 1.579              |
| 7,200.00                                             | 7,200.00              | 7,201.00              | 7,200.00              | 16.04            | 16.04         | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 17.87                   | 32.08                     | 1.557              |
| 7,300.00                                             | 7,300.00              | 7,301.00              | 7,300.00              | 16.26            | 16.27         | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 17.42                   | 32.53                     | 1.536              |
| 7,400.00                                             | 7,400.00              | 7,401.00              | 7,400.00              | 16.49            | 16.49         | 90.42                  |                       | -0.37                              | 49.95       | 49.95                  | 16.97                   | 32.98                     | 1.515              |

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 #218H                                   |
| Project:            | Eddy County, NM (NAD-83) | TVD Reference:               | GE 3420' + KB 28' @ 3448.00usft (Cactus 105) |
| Reference Site:     | Cotton Draw Unit         | MD Reference:                | GE 3420' + KB 28' @ 3448.00usft (Cactus 105) |
| Site Error:         | 0.00 usft                | North Reference:             | Grid                                         |
| Reference Well:     | #218H                    | Survey Calculation Method:   | Minimum Curvature                            |
| Well Error:         | 0.00 usft                | Output errors are at         | 2.00-sigma                                   |
| Reference Wellbore: | OH                       | Database:                    | EDM 5000.1 Single User Db                    |
| Reference Design:   | Plan #1                  | Offset TVD Reference:        | Reference Datum                              |

| Offset Design: Cotton Draw Unit - 202H - OH - Plan #1 |                       |                       |                       |                  |               |                       |                                   |                                   |                        |                         |                           |                   | Offset Site Error: 0.00 usft |  |
|-------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-----------------------------------|-----------------------------------|------------------------|-------------------------|---------------------------|-------------------|------------------------------|--|
| Survey Program: O-LEAM/MWD                            |                       |                       |                       |                  |               |                       |                                   |                                   |                        |                         |                           |                   | 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 |                              |  |
| 7,500.00                                              | 7,500.00              | 7,501.00              | 7,500.00              | 16.71            | 16.72         | 90.42                 | -0.37                             | 49.95                             | 49.95                  | 16.52                   | 33.43                     | 1.494             | Level 3                      |  |
| 7,600.00                                              | 7,600.00              | 7,601.00              | 7,600.00              | 16.94            | 16.94         | 90.42                 | -0.37                             | 49.95                             | 49.95                  | 16.07                   | 33.88                     | 1.474             | Level 3                      |  |
| 7,700.00                                              | 7,700.00              | 7,701.00              | 7,700.00              | 17.16            | 17.17         | 90.42                 | -0.37                             | 49.95                             | 49.95                  | 15.62                   | 34.33                     | 1.455             | Level 3                      |  |
| 7,800.00                                              | 7,800.00              | 7,801.00              | 7,800.00              | 17.39            | 17.39         | 90.42                 | -0.37                             | 49.95                             | 49.95                  | 15.17                   | 34.78                     | 1.436             | Level 3                      |  |
| 7,900.00                                              | 7,900.00              | 7,901.00              | 7,900.00              | 17.61            | 17.61         | 90.42                 | -0.37                             | 49.95                             | 49.95                  | 14.72                   | 35.23                     | 1.418             | Level 3                      |  |
| 8,000.00                                              | 8,000.00              | 8,001.00              | 8,000.00              | 17.84            | 17.84         | 90.42                 | -0.37                             | 49.95                             | 49.95                  | 14.27                   | 35.68                     | 1.400             | Level 3                      |  |
| 8,100.00                                              | 8,100.00              | 8,101.00              | 8,100.00              | 18.06            | 18.06         | 90.42                 | -0.37                             | 49.95                             | 49.95                  | 13.82                   | 36.13                     | 1.383             | Level 3                      |  |
| 8,200.00                                              | 8,200.00              | 8,201.00              | 8,200.00              | 18.29            | 18.29         | 90.42                 | -0.37                             | 49.95                             | 49.95                  | 13.38                   | 36.58                     | 1.366             | Level 3                      |  |
| 8,300.00                                              | 8,300.00              | 8,301.00              | 8,300.00              | 18.51            | 18.51         | 90.42                 | -0.37                             | 49.95                             | 49.95                  | 12.93                   | 37.03                     | 1.349             | Level 3                      |  |
| 8,400.00                                              | 8,400.00              | 8,401.00              | 8,400.00              | 18.74            | 18.74         | 90.42                 | -0.37                             | 49.95                             | 49.95                  | 12.48                   | 37.48                     | 1.333             | Level 3                      |  |
| 8,500.00                                              | 8,500.00              | 8,501.00              | 8,500.00              | 18.96            | 18.96         | 90.42                 | -0.37                             | 49.95                             | 49.95                  | 12.03                   | 37.92                     | 1.317             | Level 3                      |  |
| 8,600.00                                              | 8,600.00              | 8,601.00              | 8,600.00              | 19.19            | 19.19         | 90.42                 | -0.37                             | 49.95                             | 49.95                  | 11.58                   | 38.37                     | 1.302             | Level 3                      |  |
| 8,700.00                                              | 8,700.00              | 8,701.00              | 8,700.00              | 19.41            | 19.41         | 90.42                 | -0.37                             | 49.95                             | 49.95                  | 11.13                   | 38.82                     | 1.287             | Level 3                      |  |
| 8,800.00                                              | 8,800.00              | 8,801.00              | 8,800.00              | 19.64            | 19.64         | 90.42                 | -0.37                             | 49.95                             | 49.95                  | 10.68                   | 39.27                     | 1.272             | Level 3                      |  |
| 8,900.00                                              | 8,900.00              | 8,901.00              | 8,900.00              | 19.86            | 19.86         | 90.42                 | -0.37                             | 49.95                             | 49.95                  | 10.23                   | 39.72                     | 1.257             | Level 3                      |  |
| 9,000.00                                              | 9,000.00              | 9,001.00              | 9,000.00              | 20.09            | 20.09         | 90.42                 | -0.37                             | 49.95                             | 49.95                  | 9.78                    | 40.17                     | 1.243             | Level 2                      |  |
| 9,100.00                                              | 9,100.00              | 9,101.00              | 9,100.00              | 20.31            | 20.31         | 90.42                 | -0.37                             | 49.95                             | 49.95                  | 9.33                    | 40.62                     | 1.230             | Level 2                      |  |
| 9,200.00                                              | 9,200.00              | 9,201.00              | 9,200.00              | 20.53            | 20.54         | 90.42                 | -0.37                             | 49.95                             | 49.95                  | 8.88                    | 41.07                     | 1.216             | Level 2                      |  |
| 9,300.00                                              | 9,300.00              | 9,301.00              | 9,300.00              | 20.76            | 20.76         | 90.42                 | -0.37                             | 49.95                             | 49.95                  | 8.43                    | 41.52                     | 1.203             | Level 2                      |  |
| 9,400.00                                              | 9,400.00              | 9,401.00              | 9,400.00              | 20.98            | 20.99         | 90.42                 | -0.37                             | 49.95                             | 49.95                  | 7.98                    | 41.97                     | 1.190             | Level 2                      |  |
| 9,500.00                                              | 9,500.00              | 9,501.00              | 9,500.00              | 21.21            | 21.21         | 90.42                 | -0.37                             | 49.95                             | 49.95                  | 7.53                    | 42.42                     | 1.178             | Level 2                      |  |
| 9,600.00                                              | 9,600.00              | 9,601.00              | 9,600.00              | 21.43            | 21.44         | 90.42                 | -0.37                             | 49.95                             | 49.95                  | 7.08                    | 42.87                     | 1.165             | Level 2, CC, ES, SF          |  |
| 9,700.00                                              | 9,700.00              | 9,694.56              | 9,693.39              | 21.66            | 21.63         | 89.88                 | 0.11                              | 54.19                             | 54.59                  | 11.30                   | 43.29                     | 1.261             | Level 3                      |  |
| 9,783.04                                              | 9,783.04              | 9,768.25              | 9,765.75              | 21.85            | 21.79         | 88.61                 | 1.64                              | 67.76                             | 69.95                  | 26.32                   | 43.62                     | 1.603             |                              |  |
| 9,800.00                                              | 9,800.00              | 9,782.78              | 9,779.77              | 21.88            | 21.82         | 111.70                | 2.07                              | 71.52                             | 74.44                  | 30.75                   | 43.69                     | 1.704             |                              |  |
| 9,850.00                                              | 9,849.85              | 9,823.98              | 9,818.98              | 21.99            | 21.91         | 111.30                | 3.49                              | 84.08                             | 91.04                  | 47.20                   | 43.84                     | 2.077             |                              |  |
| 9,900.00                                              | 9,899.19              | 9,862.18              | 9,854.43              | 22.11            | 21.99         | 111.67                | 5.09                              | 98.21                             | 112.44                 | 68.49                   | 43.94                     | 2.559             |                              |  |
| 9,950.00                                              | 9,947.65              | 9,900.00              | 9,888.51              | 22.22            | 22.08         | 112.24                | 6.93                              | 114.48                            | 138.36                 | 94.37                   | 43.98                     | 3.146             |                              |  |
| 10,000.00                                             | 9,994.85              | 9,927.90              | 9,912.93              | 22.33            | 22.15         | 111.66                | 8.45                              | 127.89                            | 168.28                 | 124.29                  | 43.99                     | 3.825             |                              |  |
| 10,050.00                                             | 10,040.45             | 9,950.00              | 9,931.78              | 22.44            | 22.21         | 109.92                | 9.74                              | 139.34                            | 201.94                 | 157.91                  | 44.03                     | 4.586             |                              |  |
| 10,100.00                                             | 10,084.08             | 9,978.66              | 9,955.55              | 22.55            | 22.30         | 108.50                | 11.54                             | 155.25                            | 238.51                 | 194.42                  | 44.09                     | 5.409             |                              |  |
| 10,150.00                                             | 10,125.42             | 10,000.00             | 9,972.71              | 22.68            | 22.36         | 105.54                | 12.97                             | 167.86                            | 277.74                 | 233.45                  | 44.30                     | 6.270             |                              |  |
| 10,200.00                                             | 10,164.16             | 10,015.48             | 9,984.85              | 22.81            | 22.41         | 100.97                | 14.05                             | 177.40                            | 319.04                 | 274.37                  | 44.67                     | 7.142             |                              |  |
| 10,250.00                                             | 10,200.00             | 10,029.24             | 9,995.43              | 22.97            | 22.46         | 95.27                 | 15.04                             | 186.14                            | 361.96                 | 316.85                  | 45.11                     | 8.023             |                              |  |
| 10,300.00                                             | 10,232.66             | 10,040.22             | 10,003.71             | 23.14            | 22.49         | 88.24                 | 15.85                             | 193.31                            | 406.09                 | 360.67                  | 45.42                     | 8.940             |                              |  |
| 10,350.00                                             | 10,261.90             | 10,050.00             | 10,010.97             | 23.35            | 22.53         | 80.36                 | 16.59                             | 199.81                            | 451.05                 | 405.78                  | 45.27                     | 9.963             |                              |  |
| 10,400.00                                             | 10,287.50             | 10,050.00             | 10,010.97             | 23.58            | 22.53         | 69.79                 | 16.59                             | 199.81                            | 496.54                 | 452.61                  | 43.93                     | 11.303            |                              |  |
| 10,450.00                                             | 10,309.26             | 10,050.00             | 10,010.97             | 23.84            | 22.53         | 59.60                 | 16.59                             | 199.81                            | 542.25                 | 500.94                  | 41.31                     | 13.126            |                              |  |
| 10,500.00                                             | 10,327.01             | 10,050.00             | 10,010.97             | 24.14            | 22.53         | 50.53                 | 16.59                             | 199.81                            | 587.84                 | 550.05                  | 37.78                     | 15.559            |                              |  |
| 10,550.00                                             | 10,340.62             | 10,050.00             | 10,010.97             | 24.47            | 22.53         | 42.87                 | 16.59                             | 199.81                            | 633.01                 | 599.11                  | 33.90                     | 18.672            |                              |  |
| 10,600.00                                             | 10,349.99             | 10,050.00             | 10,010.97             | 24.83            | 22.53         | 36.62                 | 16.59                             | 199.81                            | 677.54                 | 647.38                  | 30.16                     | 22.464            |                              |  |
| 10,650.00                                             | 10,355.05             | 10,050.00             | 10,010.97             | 25.22            | 22.53         | 31.58                 | 16.59                             | 199.81                            | 721.25                 | 694.32                  | 26.92                     | 26.789            |                              |  |
| 10,690.14                                             | 10,355.95             | 10,050.00             | 10,010.97             | 25.55            | 22.53         | 28.26                 | 16.59                             | 199.81                            | 755.62                 | 730.76                  | 24.86                     | 30.390            |                              |  |
| 10,700.00                                             | 10,355.83             | 10,050.00             | 10,010.97             | 25.63            | 22.53         | 28.54                 | 16.59                             | 199.81                            | 764.00                 | 738.91                  | 25.09                     | 30.450            |                              |  |
| 10,800.00                                             | 10,354.59             | 10,050.00             | 10,010.97             | 26.50            | 22.53         | 31.52                 | 16.59                             | 199.81                            | 850.27                 | 822.76                  | 27.50                     | 30.914            |                              |  |
| 10,900.00                                             | 10,353.34             | 10,031.58             | 9,997.20              | 27.47            | 22.46         | 32.35                 | 15.21                             | 187.66                            | 938.10                 | 909.50                  | 28.60                     | 32.800            |                              |  |
| 11,000.00                                             | 10,352.08             | 10,024.26             | 9,991.62              | 28.53            | 22.44         | 34.77                 | 14.68                             | 182.95                            | 1,027.34               | 996.53                  | 30.81                     | 33.346            |                              |  |
| 11,100.00                                             | 10,350.82             | 10,018.22             | 9,986.97              | 29.66            | 22.42         | 37.44                 | 14.24                             | 179.12                            | 1,117.51               | 1,084.27                | 33.24                     | 33.618            |                              |  |
| 11,200.00                                             | 10,349.55             | 10,013.37             | 9,983.21              | 30.86            | 22.40         | 40.29                 | 13.90                             | 176.08                            | 1,208.34               | 1,172.51                | 35.83                     | 33.720            |                              |  |
| 11,300.00                                             | 10,348.29             | 11,621.20             | 10,349.58             | 32.10            | 33.89         | 89.91                 | 1,111.83                          | 847.06                            | 1,262.90               | 1,202.95                | 59.95                     | 21.066            |                              |  |

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 #218H                                   |
| Project:            | Eddy County, NM (NAD-83) | TVD Reference:               | GE 3420' + KB 28' @ 3448.00usft (Cactus 105) |
| Reference Site:     | Cotton Draw Unit         | MD Reference:                | GE 3420' + KB 28' @ 3448.00usft (Cactus 105) |
| Site Error:         | 0.00 usft                | North Reference:             | Grid                                         |
| Reference Well:     | #218H                    | Survey Calculation Method:   | Minimum Curvature                            |
| Well Error:         | 0.00 usft                | Output errors are at         | 2.00 sigma                                   |
| Reference Wellbore: | OH                       | Database:                    | EDM 5000.1 Single User Db                    |
| Reference Design:   | Plan #1                  | Offset TVD Reference:        | Reference Datum                              |

| Offset Design Cotton Draw Unit - 202H - OH - Plan #1 |                       |                       |                       |                  |               |                       |                                    |             |                        |                         |                           |                   | Offset Site Error: | 0.00 usft |
|------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|------------------------------------|-------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program: 0-LEAM MWD                           |                       |                       |                       |                  |               |                       |                                    |             |                        |                         |                           |                   | 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 |                    |           |
| 11,400.00                                            | 10,347.02             | 11,719.54             | 10,348.33             | 33.38            | 34.80         | 89.94                 | 1,210.16                           | 847.06      | 1,281.00               | 1,218.47                | 62.54                     | 20.484            |                    |           |
| 11,500.00                                            | 10,345.76             | 11,818.46             | 10,347.06             | 34.69            | 35.78         | 89.96                 | 1,309.07                           | 847.06      | 1,295.66               | 1,230.41                | 65.25                     | 19.857            |                    |           |
| 11,600.00                                            | 10,344.50             | 11,917.82             | 10,345.79             | 36.03            | 36.83         | 89.99                 | 1,408.43                           | 847.06      | 1,306.86               | 1,238.80                | 68.06                     | 19.200            |                    |           |
| 11,700.00                                            | 10,343.24             | 12,017.52             | 10,344.51             | 37.38            | 37.95         | 90.01                 | 1,508.12                           | 847.06      | 1,314.59               | 1,243.63                | 70.95                     | 18.528            |                    |           |
| 11,800.00                                            | 10,341.99             | 12,117.42             | 10,343.24             | 38.74            | 39.13         | 90.04                 | 1,608.01                           | 847.06      | 1,318.83               | 1,244.95                | 73.88                     | 17.851            |                    |           |
| 11,871.53                                            | 10,341.11             | 12,188.95             | 10,342.32             | 39.72            | 40.01         | 90.05                 | 1,679.53                           | 847.06      | 1,319.72               | 1,243.73                | 75.99                     | 17.367            |                    |           |
| 11,900.00                                            | 10,340.75             | 12,217.42             | 10,341.96             | 40.11            | 40.36         | 90.05                 | 1,708.00                           | 847.06      | 1,319.72               | 1,242.94                | 76.78                     | 17.188            |                    |           |
| 12,000.00                                            | 10,339.51             | 12,317.42             | 10,340.68             | 41.45            | 41.64         | 90.05                 | 1,807.99                           | 847.06      | 1,319.72               | 1,240.15                | 79.57                     | 16.586            |                    |           |
| 12,100.00                                            | 10,338.28             | 12,417.42             | 10,339.40             | 42.82            | 42.97         | 90.05                 | 1,907.98                           | 847.06      | 1,319.72               | 1,237.30                | 82.42                     | 16.012            |                    |           |
| 12,200.00                                            | 10,337.04             | 12,517.42             | 10,338.12             | 44.22            | 44.33         | 90.05                 | 2,007.97                           | 847.06      | 1,319.72               | 1,234.39                | 85.33                     | 15.465            |                    |           |
| 12,300.00                                            | 10,335.80             | 12,617.42             | 10,336.84             | 45.66            | 45.73         | 90.05                 | 2,107.97                           | 847.06      | 1,319.72               | 1,231.42                | 88.30                     | 14.946            |                    |           |
| 12,400.00                                            | 10,334.56             | 12,717.42             | 10,335.57             | 47.12            | 47.15         | 90.04                 | 2,207.96                           | 847.06      | 1,319.72               | 1,228.40                | 91.32                     | 14.452            |                    |           |
| 12,500.00                                            | 10,333.32             | 12,817.42             | 10,334.29             | 48.60            | 48.61         | 90.04                 | 2,307.95                           | 847.06      | 1,319.72               | 1,225.34                | 94.38                     | 13.984            |                    |           |
| 12,600.00                                            | 10,332.08             | 12,917.42             | 10,333.01             | 50.11            | 50.09         | 90.04                 | 2,407.94                           | 847.06      | 1,319.72               | 1,222.24                | 97.47                     | 13.539            |                    |           |
| 12,700.00                                            | 10,330.84             | 13,017.42             | 10,331.73             | 51.63            | 51.60         | 90.04                 | 2,507.93                           | 847.06      | 1,319.72               | 1,219.11                | 100.61                    | 13.117            |                    |           |
| 12,800.00                                            | 10,329.60             | 13,117.42             | 10,330.45             | 53.18            | 53.13         | 90.04                 | 2,607.92                           | 847.06      | 1,319.72               | 1,215.94                | 103.78                    | 12.717            |                    |           |
| 12,900.00                                            | 10,328.37             | 13,217.42             | 10,329.17             | 54.74            | 54.67         | 90.04                 | 2,707.92                           | 847.06      | 1,319.72               | 1,212.74                | 106.98                    | 12.337            |                    |           |
| 13,000.00                                            | 10,327.13             | 13,317.42             | 10,327.89             | 56.31            | 56.24         | 90.03                 | 2,807.91                           | 847.06      | 1,319.72               | 1,209.52                | 110.20                    | 11.975            |                    |           |
| 13,100.00                                            | 10,325.89             | 13,417.42             | 10,326.61             | 57.90            | 57.82         | 90.03                 | 2,907.90                           | 847.06      | 1,319.72               | 1,206.27                | 113.45                    | 11.632            |                    |           |
| 13,200.00                                            | 10,324.65             | 13,517.42             | 10,325.34             | 59.51            | 59.41         | 90.03                 | 3,007.89                           | 847.06      | 1,319.72               | 1,202.99                | 116.73                    | 11.306            |                    |           |
| 13,300.00                                            | 10,323.41             | 13,617.42             | 10,324.06             | 61.12            | 61.02         | 90.03                 | 3,107.88                           | 847.06      | 1,319.72               | 1,199.70                | 120.02                    | 10.996            |                    |           |
| 13,400.00                                            | 10,322.17             | 13,717.42             | 10,322.78             | 62.75            | 62.64         | 90.03                 | 3,207.88                           | 847.06      | 1,319.72               | 1,196.38                | 123.34                    | 10.700            |                    |           |
| 13,500.00                                            | 10,320.93             | 13,817.42             | 10,321.50             | 64.38            | 64.27         | 90.02                 | 3,307.87                           | 847.06      | 1,319.72               | 1,193.05                | 126.67                    | 10.419            |                    |           |
| 13,600.00                                            | 10,319.69             | 13,917.42             | 10,320.22             | 66.03            | 65.92         | 90.02                 | 3,407.86                           | 847.06      | 1,319.72               | 1,189.70                | 130.02                    | 10.150            |                    |           |
| 13,700.00                                            | 10,318.45             | 14,017.42             | 10,318.94             | 67.69            | 67.57         | 90.02                 | 3,507.85                           | 847.06      | 1,319.72               | 1,186.34                | 133.38                    | 9.894             |                    |           |
| 13,800.00                                            | 10,317.22             | 14,117.42             | 10,317.66             | 69.35            | 69.23         | 90.02                 | 3,607.84                           | 847.06      | 1,319.72               | 1,182.96                | 136.76                    | 9.650             |                    |           |
| 13,900.00                                            | 10,315.98             | 14,217.42             | 10,316.38             | 71.02            | 70.90         | 90.02                 | 3,707.83                           | 847.06      | 1,319.72               | 1,179.57                | 140.15                    | 9.417             |                    |           |
| 14,000.00                                            | 10,314.74             | 14,317.42             | 10,315.11             | 72.70            | 72.58         | 90.02                 | 3,807.83                           | 847.06      | 1,319.72               | 1,176.17                | 143.55                    | 9.193             |                    |           |
| 14,100.00                                            | 10,313.50             | 14,417.42             | 10,313.83             | 74.39            | 74.26         | 90.01                 | 3,907.82                           | 847.06      | 1,319.72               | 1,172.75                | 146.97                    | 8.980             |                    |           |
| 14,200.00                                            | 10,312.26             | 14,517.42             | 10,312.55             | 76.08            | 75.95         | 90.01                 | 4,007.81                           | 847.06      | 1,319.72               | 1,169.33                | 150.39                    | 8.775             |                    |           |
| 14,300.00                                            | 10,311.02             | 14,617.42             | 10,311.27             | 77.77            | 77.65         | 90.01                 | 4,107.80                           | 847.06      | 1,319.72               | 1,165.89                | 153.83                    | 8.579             |                    |           |
| 14,400.00                                            | 10,309.78             | 14,717.42             | 10,309.99             | 79.48            | 79.35         | 90.01                 | 4,207.79                           | 847.06      | 1,319.72               | 1,162.45                | 157.27                    | 8.391             |                    |           |
| 14,500.00                                            | 10,308.54             | 14,817.42             | 10,308.71             | 81.18            | 81.06         | 90.01                 | 4,307.79                           | 847.06      | 1,319.72               | 1,158.99                | 160.72                    | 8.211             |                    |           |
| 14,600.00                                            | 10,307.31             | 14,917.42             | 10,307.43             | 82.90            | 82.77         | 90.01                 | 4,407.78                           | 847.06      | 1,319.72               | 1,155.53                | 164.19                    | 8.038             |                    |           |
| 14,700.00                                            | 10,306.07             | 15,017.42             | 10,306.15             | 84.61            | 84.49         | 90.00                 | 4,507.77                           | 847.06      | 1,319.72               | 1,152.07                | 167.65                    | 7.872             |                    |           |
| 14,800.00                                            | 10,304.83             | 15,117.42             | 10,304.88             | 86.33            | 86.21         | 90.00                 | 4,607.76                           | 847.06      | 1,319.72               | 1,148.59                | 171.13                    | 7.712             |                    |           |
| 14,900.00                                            | 10,303.59             | 15,217.42             | 10,303.60             | 88.06            | 87.93         | 90.00                 | 4,707.75                           | 847.06      | 1,319.72               | 1,145.11                | 174.61                    | 7.558             |                    |           |
| 14,925.81                                            | 10,303.27             | 15,243.23             | 10,303.27             | 88.51            | 88.38         | 90.00                 | 4,733.56                           | 847.06      | 1,319.72               | 1,144.21                | 175.51                    | 7.519             |                    |           |
| 14,947.51                                            | 10,303.00             | 15,264.05             | 10,303.00             | 88.88            | 88.74         | 90.00                 | 4,754.39                           | 847.06      | 1,319.72               | 1,143.47                | 176.25                    | 7.488             |                    |           |

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