

# **WESTERN DIVISION**

**PBNM**

**Dzurisin**

**Gaucho Unit 81H**

**Wellbore #1**

**Plan: Plan 1**

**HOBBS OCD**  
**NOV 06 2017**  
**RECEIVED**

## **Standard Planning Report**

**30 August, 2016**

# Devon Energy

## Planning Report

|                  |                         |                                     |                      |
|------------------|-------------------------|-------------------------------------|----------------------|
| <b>Database:</b> | EDM r5000 US Production | <b>Local Co-ordinate Reference:</b> | Well Gaucho Unit 81H |
| <b>Company:</b>  | WESTERN DIVISION        | <b>TVD Reference:</b>               | 1 @ 3495.50ft        |
| <b>Project:</b>  | PBNM                    | <b>MD Reference:</b>                | 1 @ 3495.50ft        |
| <b>Site:</b>     | Dzurisin                | <b>North Reference:</b>             | Grid                 |
| <b>Well:</b>     | Gaucha Unit 81H         | <b>Survey Calculation Method:</b>   | Minimum Curvature    |
| <b>Wellbore:</b> | Wellbore #1             |                                     |                      |
| <b>Design:</b>   | Plan 1                  |                                     |                      |

|                    |                           |                      |                |
|--------------------|---------------------------|----------------------|----------------|
| <b>Project</b>     | PBNM                      |                      |                |
| <b>Map System:</b> | US State Plane 1983       | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | North American Datum 1983 |                      |                |
| <b>Map Zone:</b>   | New Mexico Eastern Zone   |                      |                |

|                       |          |              |                 |                   |             |
|-----------------------|----------|--------------|-----------------|-------------------|-------------|
| Site                  | Dzurisin |              |                 |                   |             |
| Site Position:        |          | Northing:    | 429,922.27 usft | Latitude:         | 32.180535   |
| From:                 | Map      | Easting:     | 725,391.41 usft | Longitude:        | -103.738424 |
| Position Uncertainty: | 0.00 ft  | Slot Radius: | 13-3/16 "       | Grid Convergence: | 0.32 °      |

|                      |                 |              |                     |                 |               |             |
|----------------------|-----------------|--------------|---------------------|-----------------|---------------|-------------|
| Well                 | Gaucha Unit 81H |              |                     |                 |               |             |
| Well Position        | +N/-S           | 74,407.26 ft | Northing:           | 504,329.38 usft | Latitude:     | 32.383709   |
|                      | +E/-W           | 73,511.29 ft | Easting:            | 798,902.55 usft | Longitude:    | -103.498966 |
| Position Uncertainty |                 | 0.00 ft      | Wellhead Elevation: | 0.00 ft         | Ground Level: | 3,472.00 ft |

|           |             |             |                 |               |                     |
|-----------|-------------|-------------|-----------------|---------------|---------------------|
| Wellbore  | Wellbore #1 |             |                 |               |                     |
| Magnetics | Model Name  | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
|           | IGRF200510  | 12/31/2009  | 7.73            | 60.40         | 48,897              |

|                   |                  |           |       |               |      |
|-------------------|------------------|-----------|-------|---------------|------|
| Design            | Plan 1           |           |       |               |      |
| Audit Notes:      |                  |           |       |               |      |
| Version:          | Phase:           | PROTOTYPE |       | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) | +N/-S     | +E/-W | Direction     |      |
|                   | (ft)             | (ft)      | (ft)  | (°)           |      |
|                   | 0.00             | 0.00      | 0.00  | 358.20        |      |

| Plan Sections       |                 |             |                     |            |            |                         |                        |                       |         |                     |
|---------------------|-----------------|-------------|---------------------|------------|------------|-------------------------|------------------------|-----------------------|---------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | 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    |                     |
| 3,000.00            | 0.00            | 0.00        | 3,000.00            | 0.00       | 0.00       | 0.00                    | 0.00                   | 0.00                  | 0.00    |                     |
| 3,500.00            | 5.00            | 320.00      | 3,499.37            | 16.70      | -14.01     | 1.00                    | 1.00                   | 0.00                  | 320.00  |                     |
| 4,100.00            | 5.00            | 320.00      | 4,097.08            | 56.76      | -47.63     | 0.00                    | 0.00                   | 0.00                  | 0.00    |                     |
| 5,100.00            | 0.00            | 0.00        | 5,095.81            | 90.16      | -75.66     | 0.50                    | -0.50                  | 0.00                  | 180.00  |                     |
| 10,937.80           | 0.00            | 0.00        | 10,933.61           | 90.16      | -75.66     | 0.00                    | 0.00                   | 0.00                  | 0.00    |                     |
| 11,682.72           | 89.39           | 359.01      | 11,411.05           | 562.48     | -83.78     | 12.00                   | 12.00                  | 0.00                  | 359.01  | Gaucha Unit 81H BHI |
| 11,724.45           | 89.39           | 359.01      | 11,411.50           | 604.20     | -84.50     | 0.01                    | -0.01                  | 0.00                  | 179.61  |                     |
| 16,282.27           | 89.39           | 359.01      | 11,460.35           | 5,161.08   | -162.90    | 0.00                    | 0.00                   | 0.00                  | 0.00    |                     |
| 16,342.73           | 89.39           | 359.01      | 11,461.00           | 5,221.53   | -163.94    | 0.01                    | 0.01                   | -0.01                 | -46.35  | Gaucha Unit 81H BHI |

# Devon Energy

## Planning Report

|           |                         |                              |                      |
|-----------|-------------------------|------------------------------|----------------------|
| Database: | EDM r5000 US Production | Local Co-ordinate Reference: | Well Gaucho Unit 81H |
| Company:  | WESTERN DIVISION        | TVD Reference:               | 1 @ 3495.50ft        |
| Project:  | PBNM                    | MD Reference:                | 1 @ 3495.50ft        |
| Site:     | Dzurisin                | North Reference:             | Grid                 |
| Well:     | Gaucho Unit 81H         | Survey Calculation Method:   | Minimum Curvature    |
| Wellbore: | Wellbore #1             |                              |                      |
| Design:   | Plan 1                  |                              |                      |

| Planned Survey      |                 |             |                     |            |            |                       |                         |                        |                       |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | 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                  |
| 600.00              | 0.00            | 0.00        | 600.00              | 0.00       | 0.00       | 0.00                  | 0.00                    | 0.00                   | 0.00                  |
| 700.00              | 0.00            | 0.00        | 700.00              | 0.00       | 0.00       | 0.00                  | 0.00                    | 0.00                   | 0.00                  |
| 800.00              | 0.00            | 0.00        | 800.00              | 0.00       | 0.00       | 0.00                  | 0.00                    | 0.00                   | 0.00                  |
| 900.00              | 0.00            | 0.00        | 900.00              | 0.00       | 0.00       | 0.00                  | 0.00                    | 0.00                   | 0.00                  |
| 1,000.00            | 0.00            | 0.00        | 1,000.00            | 0.00       | 0.00       | 0.00                  | 0.00                    | 0.00                   | 0.00                  |
| 1,100.00            | 0.00            | 0.00        | 1,100.00            | 0.00       | 0.00       | 0.00                  | 0.00                    | 0.00                   | 0.00                  |
| 1,200.00            | 0.00            | 0.00        | 1,200.00            | 0.00       | 0.00       | 0.00                  | 0.00                    | 0.00                   | 0.00                  |
| 1,300.00            | 0.00            | 0.00        | 1,300.00            | 0.00       | 0.00       | 0.00                  | 0.00                    | 0.00                   | 0.00                  |
| 1,400.00            | 0.00            | 0.00        | 1,400.00            | 0.00       | 0.00       | 0.00                  | 0.00                    | 0.00                   | 0.00                  |
| 1,500.00            | 0.00            | 0.00        | 1,500.00            | 0.00       | 0.00       | 0.00                  | 0.00                    | 0.00                   | 0.00                  |
| 1,600.00            | 0.00            | 0.00        | 1,600.00            | 0.00       | 0.00       | 0.00                  | 0.00                    | 0.00                   | 0.00                  |
| 1,700.00            | 0.00            | 0.00        | 1,700.00            | 0.00       | 0.00       | 0.00                  | 0.00                    | 0.00                   | 0.00                  |
| 1,800.00            | 0.00            | 0.00        | 1,800.00            | 0.00       | 0.00       | 0.00                  | 0.00                    | 0.00                   | 0.00                  |
| 1,900.00            | 0.00            | 0.00        | 1,900.00            | 0.00       | 0.00       | 0.00                  | 0.00                    | 0.00                   | 0.00                  |
| 2,000.00            | 0.00            | 0.00        | 2,000.00            | 0.00       | 0.00       | 0.00                  | 0.00                    | 0.00                   | 0.00                  |
| 2,100.00            | 0.00            | 0.00        | 2,100.00            | 0.00       | 0.00       | 0.00                  | 0.00                    | 0.00                   | 0.00                  |
| 2,200.00            | 0.00            | 0.00        | 2,200.00            | 0.00       | 0.00       | 0.00                  | 0.00                    | 0.00                   | 0.00                  |
| 2,300.00            | 0.00            | 0.00        | 2,300.00            | 0.00       | 0.00       | 0.00                  | 0.00                    | 0.00                   | 0.00                  |
| 2,400.00            | 0.00            | 0.00        | 2,400.00            | 0.00       | 0.00       | 0.00                  | 0.00                    | 0.00                   | 0.00                  |
| 2,500.00            | 0.00            | 0.00        | 2,500.00            | 0.00       | 0.00       | 0.00                  | 0.00                    | 0.00                   | 0.00                  |
| 2,600.00            | 0.00            | 0.00        | 2,600.00            | 0.00       | 0.00       | 0.00                  | 0.00                    | 0.00                   | 0.00                  |
| 2,700.00            | 0.00            | 0.00        | 2,700.00            | 0.00       | 0.00       | 0.00                  | 0.00                    | 0.00                   | 0.00                  |
| 2,800.00            | 0.00            | 0.00        | 2,800.00            | 0.00       | 0.00       | 0.00                  | 0.00                    | 0.00                   | 0.00                  |
| 2,900.00            | 0.00            | 0.00        | 2,900.00            | 0.00       | 0.00       | 0.00                  | 0.00                    | 0.00                   | 0.00                  |
| 3,000.00            | 0.00            | 0.00        | 3,000.00            | 0.00       | 0.00       | 0.00                  | 0.00                    | 0.00                   | 0.00                  |
| 3,100.00            | 1.00            | 320.00      | 3,099.99            | 0.67       | -0.56      | 0.69                  | 1.00                    | 1.00                   | 0.00                  |
| 3,200.00            | 2.00            | 320.00      | 3,199.96            | 2.67       | -2.24      | 2.74                  | 1.00                    | 1.00                   | 0.00                  |
| 3,300.00            | 3.00            | 320.00      | 3,299.86            | 6.02       | -5.05      | 6.17                  | 1.00                    | 1.00                   | 0.00                  |
| 3,400.00            | 4.00            | 320.00      | 3,399.68            | 10.69      | -8.97      | 10.97                 | 1.00                    | 1.00                   | 0.00                  |
| 3,500.00            | 5.00            | 320.00      | 3,499.37            | 16.70      | -14.01     | 17.13                 | 1.00                    | 1.00                   | 0.00                  |
| 3,600.00            | 5.00            | 320.00      | 3,598.99            | 23.38      | -19.62     | 23.98                 | 0.00                    | 0.00                   | 0.00                  |
| 3,700.00            | 5.00            | 320.00      | 3,698.60            | 30.05      | -25.22     | 30.83                 | 0.00                    | 0.00                   | 0.00                  |
| 3,800.00            | 5.00            | 320.00      | 3,798.22            | 36.73      | -30.82     | 37.68                 | 0.00                    | 0.00                   | 0.00                  |
| 3,900.00            | 5.00            | 320.00      | 3,897.84            | 43.41      | -36.42     | 44.53                 | 0.00                    | 0.00                   | 0.00                  |
| 4,000.00            | 5.00            | 320.00      | 3,997.46            | 50.08      | -42.03     | 51.38                 | 0.00                    | 0.00                   | 0.00                  |
| 4,100.00            | 5.00            | 320.00      | 4,097.08            | 56.76      | -47.63     | 58.23                 | 0.00                    | 0.00                   | 0.00                  |
| 4,200.00            | 4.50            | 320.00      | 4,196.74            | 63.10      | -52.95     | 64.74                 | 0.50                    | -0.50                  | 0.00                  |
| 4,300.00            | 4.00            | 320.00      | 4,296.46            | 68.78      | -57.71     | 70.56                 | 0.50                    | -0.50                  | 0.00                  |
| 4,400.00            | 3.50            | 320.00      | 4,396.25            | 73.79      | -61.92     | 75.70                 | 0.50                    | -0.50                  | 0.00                  |
| 4,500.00            | 3.00            | 320.00      | 4,496.09            | 78.13      | -65.56     | 80.15                 | 0.50                    | -0.50                  | 0.00                  |
| 4,600.00            | 2.50            | 320.00      | 4,595.97            | 81.81      | -68.65     | 83.92                 | 0.50                    | -0.50                  | 0.00                  |
| 4,700.00            | 2.00            | 320.00      | 4,695.90            | 84.82      | -71.17     | 87.01                 | 0.50                    | -0.50                  | 0.00                  |
| 4,800.00            | 1.50            | 320.00      | 4,795.85            | 87.16      | -73.13     | 89.41                 | 0.50                    | -0.50                  | 0.00                  |
| 4,900.00            | 1.00            | 320.00      | 4,895.82            | 88.83      | -74.54     | 91.12                 | 0.50                    | -0.50                  | 0.00                  |
| 5,000.00            | 0.50            | 320.00      | 4,995.82            | 89.83      | -75.38     | 92.15                 | 0.50                    | -0.50                  | 0.00                  |
| 5,100.00            | 0.00            | 0.00        | 5,095.81            | 90.16      | -75.66     | 92.49                 | 0.50                    | -0.50                  | 0.00                  |
| 5,200.00            | 0.00            | 0.00        | 5,195.81            | 90.16      | -75.66     | 92.49                 | 0.00                    | 0.00                   | 0.00                  |
| 5,300.00            | 0.00            | 0.00        | 5,295.81            | 90.16      | -75.66     | 92.49                 | 0.00                    | 0.00                   | 0.00                  |

# Devon Energy

## Planning Report

|                  |                         |                                     |                      |
|------------------|-------------------------|-------------------------------------|----------------------|
| <b>Database:</b> | EDM r5000 US Production | <b>Local Co-ordinate Reference:</b> | Well Gaucho Unit 81H |
| <b>Company:</b>  | WESTERN DIVISION        | <b>TVD Reference:</b>               | 1 @ 3495.50ft        |
| <b>Project:</b>  | PBNM                    | <b>MD Reference:</b>                | 1 @ 3495.50ft        |
| <b>Site:</b>     | Dzurisin                | <b>North Reference:</b>             | Grid                 |
| <b>Well:</b>     | Gaucho Unit 81H         | <b>Survey Calculation Method:</b>   | Minimum Curvature    |
| <b>Wellbore:</b> | Wellbore #1             |                                     |                      |
| <b>Design:</b>   | Plan 1                  |                                     |                      |

| Planned Survey            |                    |                |                           |               |               |                             |                               |                              |                             |  |
|---------------------------|--------------------|----------------|---------------------------|---------------|---------------|-----------------------------|-------------------------------|------------------------------|-----------------------------|--|
| Measured<br>Depth<br>(ft) | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(ft) | +N/-S<br>(ft) | +E/-W<br>(ft) | Vertical<br>Section<br>(ft) | Dogleg<br>Rate<br>(°/100usft) | Build<br>Rate<br>(°/100usft) | Turn<br>Rate<br>(°/100usft) |  |
| 5,400.00                  | 0.00               | 0.00           | 5,395.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 5,500.00                  | 0.00               | 0.00           | 5,495.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 5,600.00                  | 0.00               | 0.00           | 5,595.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 5,700.00                  | 0.00               | 0.00           | 5,695.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 5,800.00                  | 0.00               | 0.00           | 5,795.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 5,900.00                  | 0.00               | 0.00           | 5,895.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 6,000.00                  | 0.00               | 0.00           | 5,995.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 6,100.00                  | 0.00               | 0.00           | 6,095.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 6,200.00                  | 0.00               | 0.00           | 6,195.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 6,300.00                  | 0.00               | 0.00           | 6,295.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 6,400.00                  | 0.00               | 0.00           | 6,395.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 6,500.00                  | 0.00               | 0.00           | 6,495.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 6,600.00                  | 0.00               | 0.00           | 6,595.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 6,700.00                  | 0.00               | 0.00           | 6,695.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 6,800.00                  | 0.00               | 0.00           | 6,795.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 6,900.00                  | 0.00               | 0.00           | 6,895.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 7,000.00                  | 0.00               | 0.00           | 6,995.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 7,100.00                  | 0.00               | 0.00           | 7,095.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 7,200.00                  | 0.00               | 0.00           | 7,195.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 7,300.00                  | 0.00               | 0.00           | 7,295.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 7,400.00                  | 0.00               | 0.00           | 7,395.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 7,500.00                  | 0.00               | 0.00           | 7,495.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 7,600.00                  | 0.00               | 0.00           | 7,595.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 7,700.00                  | 0.00               | 0.00           | 7,695.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 7,800.00                  | 0.00               | 0.00           | 7,795.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 7,900.00                  | 0.00               | 0.00           | 7,895.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 8,000.00                  | 0.00               | 0.00           | 7,995.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 8,100.00                  | 0.00               | 0.00           | 8,095.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 8,200.00                  | 0.00               | 0.00           | 8,195.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 8,300.00                  | 0.00               | 0.00           | 8,295.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 8,400.00                  | 0.00               | 0.00           | 8,395.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 8,500.00                  | 0.00               | 0.00           | 8,495.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 8,600.00                  | 0.00               | 0.00           | 8,595.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 8,700.00                  | 0.00               | 0.00           | 8,695.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 8,800.00                  | 0.00               | 0.00           | 8,795.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 8,900.00                  | 0.00               | 0.00           | 8,895.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 9,000.00                  | 0.00               | 0.00           | 8,995.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 9,100.00                  | 0.00               | 0.00           | 9,095.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 9,200.00                  | 0.00               | 0.00           | 9,195.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 9,300.00                  | 0.00               | 0.00           | 9,295.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 9,400.00                  | 0.00               | 0.00           | 9,395.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 9,500.00                  | 0.00               | 0.00           | 9,495.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 9,600.00                  | 0.00               | 0.00           | 9,595.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 9,700.00                  | 0.00               | 0.00           | 9,695.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 9,800.00                  | 0.00               | 0.00           | 9,795.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 9,900.00                  | 0.00               | 0.00           | 9,895.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 10,000.00                 | 0.00               | 0.00           | 9,995.81                  | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 10,100.00                 | 0.00               | 0.00           | 10,095.81                 | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 10,200.00                 | 0.00               | 0.00           | 10,195.81                 | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 10,300.00                 | 0.00               | 0.00           | 10,295.81                 | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 10,400.00                 | 0.00               | 0.00           | 10,395.81                 | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 10,500.00                 | 0.00               | 0.00           | 10,495.81                 | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 10,600.00                 | 0.00               | 0.00           | 10,595.81                 | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |
| 10,700.00                 | 0.00               | 0.00           | 10,695.81                 | 90.16         | -75.66        | 92.49                       | 0.00                          | 0.00                         | 0.00                        |  |

**Devon Energy**  
Planning Report

|                  |                         |                                     |                      |
|------------------|-------------------------|-------------------------------------|----------------------|
| <b>Database:</b> | EDM r5000 US Production | <b>Local Co-ordinate Reference:</b> | Well Gaucho Unit 81H |
| <b>Company:</b>  | WESTERN DIVISION        | <b>TVD Reference:</b>               | 1 @ 3495.50ft        |
| <b>Project:</b>  | PBNM                    | <b>MD Reference:</b>                | 1 @ 3495.50ft        |
| <b>Site:</b>     | Dzurisin                | <b>North Reference:</b>             | Grid                 |
| <b>Well:</b>     | Gaucha Unit 81H         | <b>Survey Calculation Method:</b>   | Minimum Curvature    |
| <b>Wellbore:</b> | Wellbore #1             |                                     |                      |
| <b>Design:</b>   | Plan 1                  |                                     |                      |

| Planned Survey      |                 |             |                     |            |            |                       |                         |                        |                       |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Bulld Rate (°/100usft) | Turn Rate (°/100usft) |
| 10,800.00           | 0.00            | 0.00        | 10,795.81           | 90.16      | -75.66     | 92.49                 | 0.00                    | 0.00                   | 0.00                  |
| 10,900.00           | 0.00            | 0.00        | 10,895.81           | 90.16      | -75.66     | 92.49                 | 0.00                    | 0.00                   | 0.00                  |
| 10,937.80           | 0.00            | 0.00        | 10,933.61           | 90.16      | -75.66     | 92.49                 | 0.00                    | 0.00                   | 0.00                  |
| 10,950.00           | 1.46            | 359.01      | 10,945.81           | 90.32      | -75.66     | 92.65                 | 12.00                   | 12.00                  | 0.00                  |
| 10,975.00           | 4.46            | 359.01      | 10,970.78           | 91.61      | -75.68     | 93.94                 | 12.00                   | 12.00                  | 0.00                  |
| 11,000.00           | 7.46            | 359.01      | 10,995.64           | 94.21      | -75.73     | 96.54                 | 12.00                   | 12.00                  | 0.00                  |
| 11,025.00           | 10.46           | 359.01      | 11,020.33           | 98.10      | -75.79     | 100.43                | 12.00                   | 12.00                  | 0.00                  |
| 11,050.00           | 13.46           | 359.01      | 11,044.78           | 103.29     | -75.88     | 105.62                | 12.00                   | 12.00                  | 0.00                  |
| 11,075.00           | 16.46           | 359.01      | 11,068.93           | 109.74     | -75.99     | 112.07                | 12.00                   | 12.00                  | 0.00                  |
| 11,100.00           | 19.46           | 359.01      | 11,092.71           | 117.45     | -76.13     | 119.78                | 12.00                   | 12.00                  | 0.00                  |
| 11,125.00           | 22.46           | 359.01      | 11,116.05           | 126.39     | -76.28     | 128.72                | 12.00                   | 12.00                  | 0.00                  |
| 11,150.00           | 25.46           | 359.01      | 11,138.90           | 136.54     | -76.46     | 138.87                | 12.00                   | 12.00                  | 0.00                  |
| 11,175.00           | 28.46           | 359.01      | 11,161.18           | 147.87     | -76.65     | 150.21                | 12.00                   | 12.00                  | 0.00                  |
| 11,200.00           | 31.46           | 359.01      | 11,182.83           | 160.36     | -76.86     | 162.69                | 12.00                   | 12.00                  | 0.00                  |
| 11,225.00           | 34.46           | 359.01      | 11,203.81           | 173.96     | -77.10     | 176.29                | 12.00                   | 12.00                  | 0.00                  |
| 11,250.00           | 37.46           | 359.01      | 11,224.04           | 188.63     | -77.35     | 190.97                | 12.00                   | 12.00                  | 0.00                  |
| 11,275.00           | 40.46           | 359.01      | 11,243.47           | 204.35     | -77.62     | 206.69                | 12.00                   | 12.00                  | 0.00                  |
| 11,300.00           | 43.46           | 359.01      | 11,262.06           | 221.06     | -77.91     | 223.40                | 12.00                   | 12.00                  | 0.00                  |
| 11,325.00           | 46.46           | 359.01      | 11,279.75           | 238.72     | -78.21     | 241.06                | 12.00                   | 12.00                  | 0.00                  |
| 11,350.00           | 49.46           | 359.01      | 11,296.49           | 257.29     | -78.53     | 259.63                | 12.00                   | 12.00                  | 0.00                  |
| 11,375.00           | 52.46           | 359.01      | 11,312.23           | 276.70     | -78.87     | 279.04                | 12.00                   | 12.00                  | 0.00                  |
| 11,400.00           | 55.46           | 359.01      | 11,326.94           | 296.91     | -79.21     | 299.25                | 12.00                   | 12.00                  | 0.00                  |
| 11,425.00           | 58.46           | 359.01      | 11,340.56           | 317.87     | -79.57     | 320.21                | 12.00                   | 12.00                  | 0.00                  |
| 11,450.00           | 61.46           | 359.01      | 11,353.08           | 339.50     | -79.95     | 341.84                | 12.00                   | 12.00                  | 0.00                  |
| 11,475.00           | 64.46           | 359.01      | 11,364.44           | 361.76     | -80.33     | 364.11                | 12.00                   | 12.00                  | 0.00                  |
| 11,500.00           | 67.46           | 359.01      | 11,374.62           | 384.59     | -80.72     | 386.93                | 12.00                   | 12.00                  | 0.00                  |
| 11,525.00           | 70.46           | 359.01      | 11,383.59           | 407.92     | -81.12     | 410.26                | 12.00                   | 12.00                  | 0.00                  |
| 11,550.00           | 73.46           | 359.01      | 11,391.33           | 431.68     | -81.53     | 434.03                | 12.00                   | 12.00                  | 0.00                  |
| 11,575.00           | 76.46           | 359.01      | 11,397.82           | 455.82     | -81.95     | 458.17                | 12.00                   | 12.00                  | 0.00                  |
| 11,600.00           | 79.46           | 359.01      | 11,403.03           | 480.27     | -82.37     | 482.61                | 12.00                   | 12.00                  | 0.00                  |
| 11,625.00           | 82.46           | 359.01      | 11,406.96           | 504.95     | -82.79     | 507.30                | 12.00                   | 12.00                  | 0.00                  |
| 11,650.00           | 85.46           | 359.01      | 11,409.58           | 529.80     | -83.22     | 532.15                | 12.00                   | 12.00                  | 0.00                  |
| 11,675.00           | 88.46           | 359.01      | 11,410.91           | 554.76     | -83.65     | 557.11                | 12.00                   | 12.00                  | 0.00                  |
| 11,682.72           | 89.39           | 359.01      | 11,411.05           | 562.48     | -83.78     | 564.83                | 12.00                   | 12.00                  | 0.00                  |
| 11,700.00           | 89.39           | 359.01      | 11,411.24           | 579.76     | -84.08     | 582.11                | 0.01                    | -0.01                  | 0.00                  |
| 11,724.45           | 89.39           | 359.01      | 11,411.50           | 604.20     | -84.50     | 606.56                | 0.01                    | -0.01                  | 0.00                  |
| 11,800.00           | 89.39           | 359.01      | 11,412.31           | 679.74     | -85.80     | 682.09                | 0.00                    | 0.00                   | 0.00                  |
| 11,900.00           | 89.39           | 359.01      | 11,413.38           | 779.71     | -87.52     | 782.08                | 0.00                    | 0.00                   | 0.00                  |
| 12,000.00           | 89.39           | 359.01      | 11,414.45           | 879.69     | -89.24     | 882.06                | 0.00                    | 0.00                   | 0.00                  |
| 12,100.00           | 89.39           | 359.01      | 11,415.52           | 979.67     | -90.96     | 982.05                | 0.00                    | 0.00                   | 0.00                  |
| 12,200.00           | 89.39           | 359.01      | 11,416.60           | 1,079.65   | -92.68     | 1,082.03              | 0.00                    | 0.00                   | 0.00                  |
| 12,300.00           | 89.39           | 359.01      | 11,417.67           | 1,179.63   | -94.40     | 1,182.01              | 0.00                    | 0.00                   | 0.00                  |
| 12,400.00           | 89.39           | 359.01      | 11,418.74           | 1,279.61   | -96.12     | 1,282.00              | 0.00                    | 0.00                   | 0.00                  |
| 12,500.00           | 89.39           | 359.01      | 11,419.81           | 1,379.59   | -97.84     | 1,381.98              | 0.00                    | 0.00                   | 0.00                  |
| 12,600.00           | 89.39           | 359.01      | 11,420.88           | 1,479.57   | -99.56     | 1,481.97              | 0.00                    | 0.00                   | 0.00                  |
| 12,700.00           | 89.39           | 359.01      | 11,421.96           | 1,579.55   | -101.28    | 1,581.95              | 0.00                    | 0.00                   | 0.00                  |
| 12,800.00           | 89.39           | 359.01      | 11,423.03           | 1,679.53   | -103.00    | 1,681.93              | 0.00                    | 0.00                   | 0.00                  |
| 12,900.00           | 89.39           | 359.01      | 11,424.10           | 1,779.51   | -104.72    | 1,781.92              | 0.00                    | 0.00                   | 0.00                  |
| 13,000.00           | 89.39           | 359.01      | 11,425.17           | 1,879.49   | -106.44    | 1,881.90              | 0.00                    | 0.00                   | 0.00                  |
| 13,100.00           | 89.39           | 359.01      | 11,426.24           | 1,979.47   | -108.16    | 1,981.89              | 0.00                    | 0.00                   | 0.00                  |
| 13,200.00           | 89.39           | 359.01      | 11,427.32           | 2,079.45   | -109.88    | 2,081.87              | 0.00                    | 0.00                   | 0.00                  |
| 13,300.00           | 89.39           | 359.01      | 11,428.39           | 2,179.43   | -111.60    | 2,181.86              | 0.00                    | 0.00                   | 0.00                  |
| 13,400.00           | 89.39           | 359.01      | 11,429.46           | 2,279.41   | -113.32    | 2,281.84              | 0.00                    | 0.00                   | 0.00                  |
| 13,500.00           | 89.39           | 359.01      | 11,430.53           | 2,379.39   | -115.04    | 2,381.82              | 0.00                    | 0.00                   | 0.00                  |

# Devon Energy

## Planning Report

|           |                         |                              |                      |
|-----------|-------------------------|------------------------------|----------------------|
| Database: | EDM r5000 US Production | Local Co-ordinate Reference: | Well Gaucho Unit 81H |
| Company:  | WESTERN DIVISION        | TVD Reference:               | 1 @ 3495.50ft        |
| Project:  | PBNM                    | MD Reference:                | 1 @ 3495.50ft        |
| Site:     | Dzurisin                | North Reference:             | Grid                 |
| Well:     | Gaucha Unit 81H         | Survey Calculation Method:   | Minimum Curvature    |
| Wellbore: | Wellbore #1             |                              |                      |
| Design:   | Plan 1                  |                              |                      |

| Planned Survey      |                 |             |                     |            |            |                       |                         |                        |                       |  |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |  |
| 13,600.00           | 89.39           | 359.01      | 11,431.60           | 2,479.37   | -116.76    | 2,481.81              | 0.00                    | 0.00                   | 0.00                  |  |
| 13,700.00           | 89.39           | 359.01      | 11,432.67           | 2,579.34   | -118.48    | 2,581.79              | 0.00                    | 0.00                   | 0.00                  |  |
| 13,800.00           | 89.39           | 359.01      | 11,433.75           | 2,679.32   | -120.20    | 2,681.78              | 0.00                    | 0.00                   | 0.00                  |  |
| 13,900.00           | 89.39           | 359.01      | 11,434.82           | 2,779.30   | -121.92    | 2,781.76              | 0.00                    | 0.00                   | 0.00                  |  |
| 14,000.00           | 89.39           | 359.01      | 11,435.89           | 2,879.28   | -123.64    | 2,881.75              | 0.00                    | 0.00                   | 0.00                  |  |
| 14,100.00           | 89.39           | 359.01      | 11,436.96           | 2,979.26   | -125.36    | 2,981.73              | 0.00                    | 0.00                   | 0.00                  |  |
| 14,200.00           | 89.39           | 359.01      | 11,438.03           | 3,079.24   | -127.08    | 3,081.71              | 0.00                    | 0.00                   | 0.00                  |  |
| 14,300.00           | 89.39           | 359.01      | 11,439.11           | 3,179.22   | -128.80    | 3,181.70              | 0.00                    | 0.00                   | 0.00                  |  |
| 14,400.00           | 89.39           | 359.01      | 11,440.18           | 3,279.20   | -130.52    | 3,281.68              | 0.00                    | 0.00                   | 0.00                  |  |
| 14,500.00           | 89.39           | 359.01      | 11,441.25           | 3,379.18   | -132.24    | 3,381.67              | 0.00                    | 0.00                   | 0.00                  |  |
| 14,600.00           | 89.39           | 359.01      | 11,442.32           | 3,479.16   | -133.96    | 3,481.65              | 0.00                    | 0.00                   | 0.00                  |  |
| 14,700.00           | 89.39           | 359.01      | 11,443.39           | 3,579.14   | -135.68    | 3,581.63              | 0.00                    | 0.00                   | 0.00                  |  |
| 14,800.00           | 89.39           | 359.01      | 11,444.47           | 3,679.12   | -137.40    | 3,681.62              | 0.00                    | 0.00                   | 0.00                  |  |
| 14,900.00           | 89.39           | 359.01      | 11,445.54           | 3,779.10   | -139.12    | 3,781.60              | 0.00                    | 0.00                   | 0.00                  |  |
| 15,000.00           | 89.39           | 359.01      | 11,446.61           | 3,879.08   | -140.84    | 3,881.59              | 0.00                    | 0.00                   | 0.00                  |  |
| 15,100.00           | 89.39           | 359.01      | 11,447.68           | 3,979.06   | -142.56    | 3,981.57              | 0.00                    | 0.00                   | 0.00                  |  |
| 15,200.00           | 89.39           | 359.01      | 11,448.75           | 4,079.04   | -144.28    | 4,081.56              | 0.00                    | 0.00                   | 0.00                  |  |
| 15,300.00           | 89.39           | 359.01      | 11,449.83           | 4,179.02   | -146.00    | 4,181.54              | 0.00                    | 0.00                   | 0.00                  |  |
| 15,400.00           | 89.39           | 359.01      | 11,450.90           | 4,279.00   | -147.72    | 4,281.52              | 0.00                    | 0.00                   | 0.00                  |  |
| 15,500.00           | 89.39           | 359.01      | 11,451.97           | 4,378.98   | -149.44    | 4,381.51              | 0.00                    | 0.00                   | 0.00                  |  |
| 15,600.00           | 89.39           | 359.01      | 11,453.04           | 4,478.95   | -151.16    | 4,481.49              | 0.00                    | 0.00                   | 0.00                  |  |
| 15,700.00           | 89.39           | 359.01      | 11,454.11           | 4,578.93   | -152.88    | 4,581.48              | 0.00                    | 0.00                   | 0.00                  |  |
| 15,800.00           | 89.39           | 359.01      | 11,455.18           | 4,678.91   | -154.60    | 4,681.46              | 0.00                    | 0.00                   | 0.00                  |  |
| 15,900.00           | 89.39           | 359.01      | 11,456.26           | 4,778.89   | -156.32    | 4,781.45              | 0.00                    | 0.00                   | 0.00                  |  |
| 16,000.00           | 89.39           | 359.01      | 11,457.33           | 4,878.87   | -158.04    | 4,881.43              | 0.00                    | 0.00                   | 0.00                  |  |
| 16,100.00           | 89.39           | 359.01      | 11,458.40           | 4,978.85   | -159.76    | 4,981.41              | 0.00                    | 0.00                   | 0.00                  |  |
| 16,200.00           | 89.39           | 359.01      | 11,459.47           | 5,078.83   | -161.48    | 5,081.40              | 0.00                    | 0.00                   | 0.00                  |  |
| 16,282.27           | 89.39           | 359.01      | 11,460.35           | 5,161.08   | -162.90    | 5,163.65              | 0.00                    | 0.00                   | 0.00                  |  |
| 16,300.00           | 89.39           | 359.01      | 11,460.54           | 5,178.81   | -163.20    | 5,181.38              | 0.01                    | 0.01                   | -0.01                 |  |
| 16,342.73           | 89.39           | 359.01      | 11,461.00           | 5,221.53   | -163.94    | 5,224.10              | 0.01                    | 0.01                   | -0.01                 |  |

| Design Targets            |               |              |           |            |            |                 |                |           |             |
|---------------------------|---------------|--------------|-----------|------------|------------|-----------------|----------------|-----------|-------------|
| Target Name               | Dip Angle (°) | Dip Dir. (°) | TVD (ft)  | +N/-S (ft) | +E/-W (ft) | Northing (usft) | Easting (usft) | Latitude  | Longitude   |
| - hit/miss target         |               |              |           |            |            |                 |                |           |             |
| - Shape                   |               |              |           |            |            |                 |                |           |             |
| Gaucha Unit 81H BHL       | 0.00          | 0.00         | 11,461.00 | 5,221.53   | -163.94    | 509,550.90      | 798,738.61     | 32.398064 | -103.499365 |
| - plan hits target center |               |              |           |            |            |                 |                |           |             |
| - Point                   |               |              |           |            |            |                 |                |           |             |