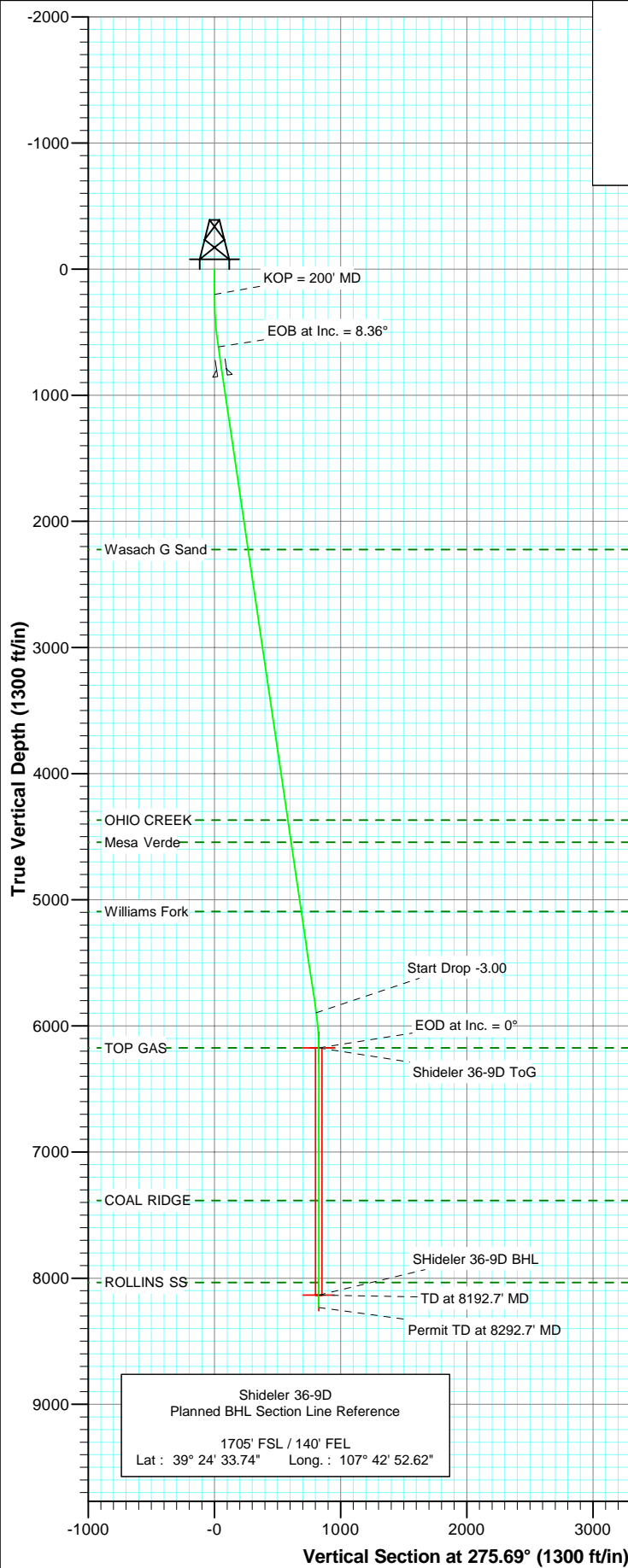


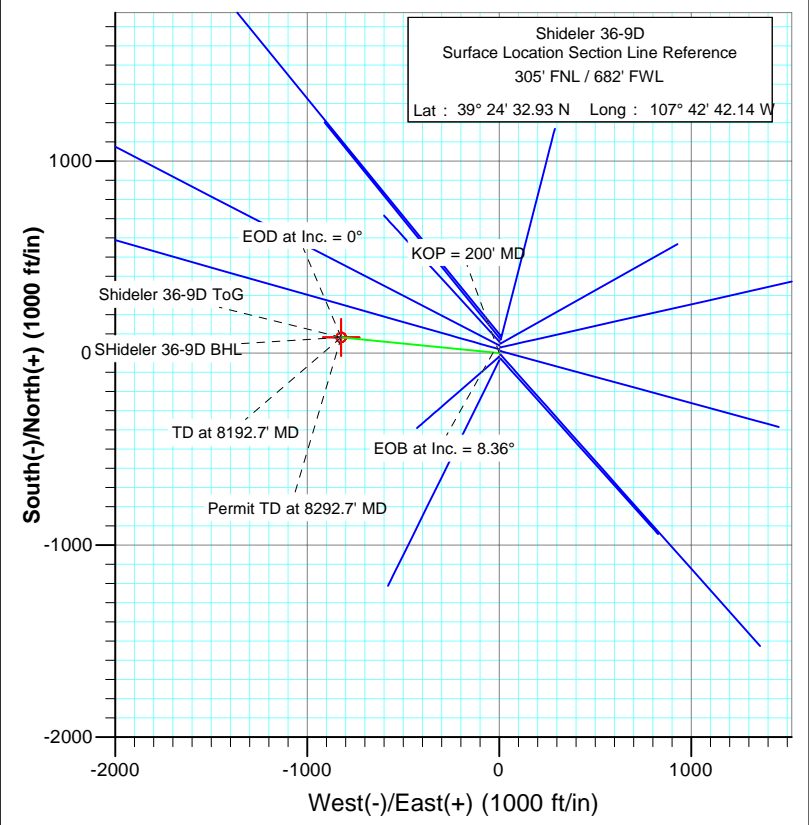


Project: Mamm Creek
 Site: C31E Pad (NENW 31-7S-92W)
 Well: Shideler 36-9D
 Wellbore: DD
 Plan: Plan #1



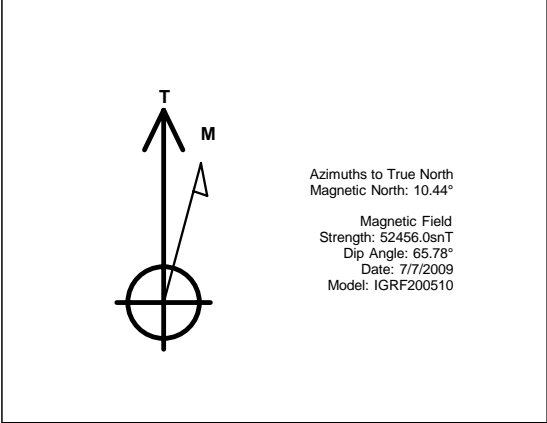
SECTION DETAILS

| Sec | MD | Inc | Azi | TVD | +N-/S | +E-/W | DLeg | TFace | VSec | Target |
|-----|--------|------|--------|--------|-------|--------|------|--------|-------|--------------------|
| 1 | 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 2 | 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 3 | 618.0 | 8.36 | 275.69 | 616.5 | 3.0 | -30.3 | 2.00 | 275.69 | 30.4 | |
| 4 | 5954.0 | 8.36 | 275.69 | 5895.8 | 80.0 | -802.3 | 0.00 | 0.00 | 806.3 | |
| 5 | 6232.7 | 0.00 | 0.00 | 6173.5 | 82.0 | -822.5 | 3.00 | 180.00 | 826.6 | Shideler 36-9D ToG |
| 6 | 8192.7 | 0.00 | 0.00 | 8133.5 | 82.0 | -822.5 | 0.00 | 0.00 | 826.6 | Shideler 36-9D BHL |
| 7 | 8292.7 | 0.00 | 0.00 | 8233.5 | 82.0 | -822.5 | 0.00 | 0.00 | 826.6 | |



FORMATION TOP DETAILS

| TVDPPath | MDPath | Formation |
|----------|--------|---------------|
| 2223.5 | 2242.2 | Wasach G Sand |
| 4368.5 | 4410.3 | OHIO CREEK |
| 4543.5 | 4587.2 | Mesa Verde |
| 5093.5 | 5143.1 | Williams Fork |
| 6173.5 | 6232.7 | TOP GAS |
| 7383.5 | 7442.7 | COAL RIDGE |
| 8033.5 | 8092.7 | ROLLINS SS |

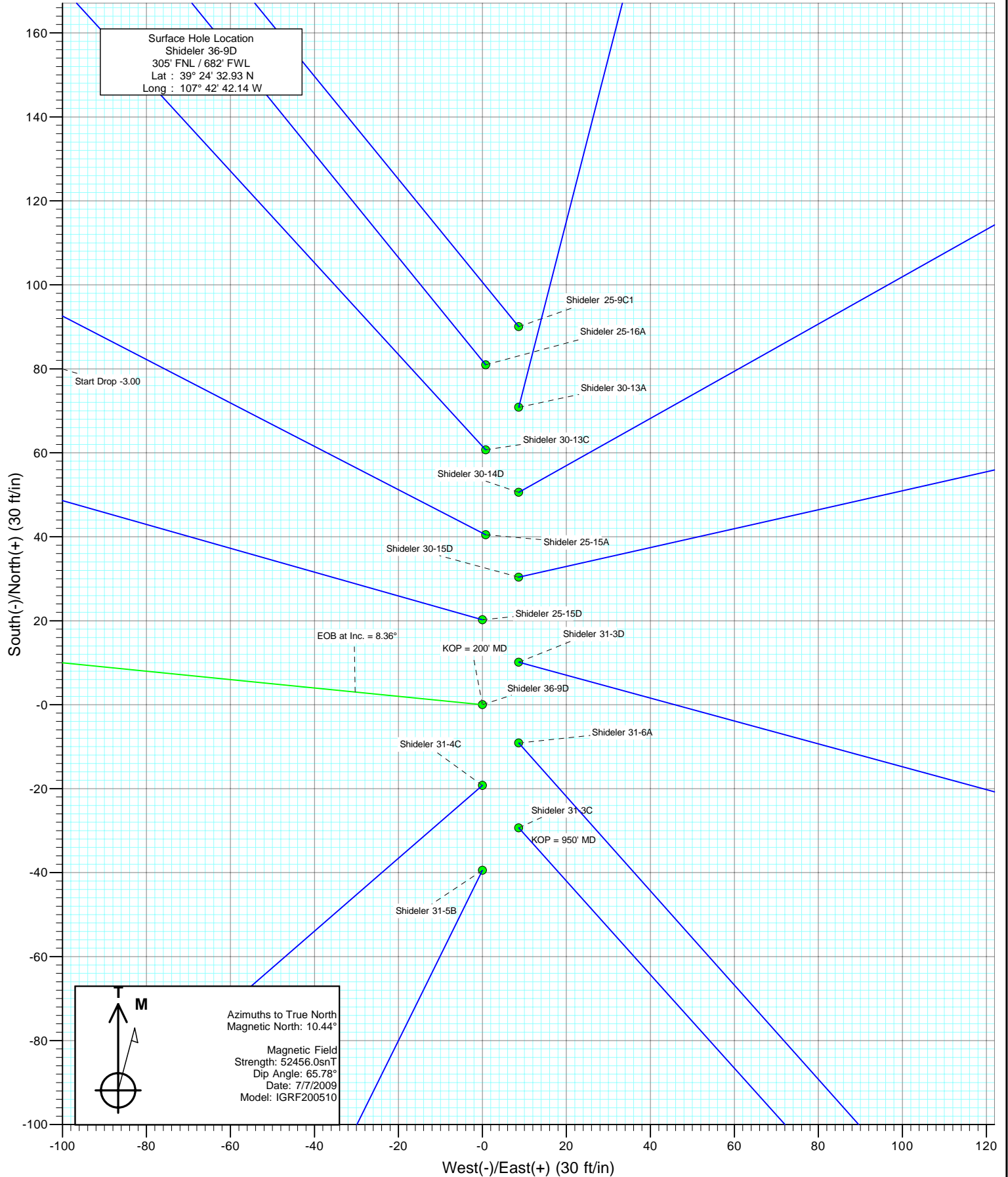


DESIGN DETAILS: Plan #1
 Job# 95xxx: KR
 KBE @ 6763.5ft (Original Well Elev)

| Target | Azimuth | Origin Type | N/S | E/W | From TVD |
|--------------------|---------|-------------|-----|-----|----------|
| Shideler 36-9D BHL | 275.69 | Slot | 0.0 | 0.0 | 0.0 |



Project: Mamm Creek
Site: C31E Pad (NENW 31-7S-92W)
Well: Shideler 36-9D
Wellbore: DD
Design: Plan #1



Planning Report

| | | | |
|------------------|------------------------------|-------------------------------------|-------------------------------------|
| Database: | US EDM 2003.21 Multi User Db | Local Co-ordinate Reference: | Well Shideler 36-9D |
| Company: | EnCana Oil & Gas (USA) Inc | TVD Reference: | KBE @ 6763.5ft (Original Well Elev) |
| Project: | Mamm Creek | MD Reference: | KBE @ 6763.5ft (Original Well Elev) |
| Site: | C31E Pad (NENW 31-7S-92W) | North Reference: | True |
| Well: | Shideler 36-9D | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | DD | | |
| Design: | Plan #1 | | |

| | | | |
|--------------------|---------------------------|----------------------|----------------|
| Project | Mamm Creek | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Colorado Central Zone | | |

| | | | | | |
|------------------------------|---------------------------|---------------------|-----------------|--------------------------|------------------|
| Site | C31E Pad (NENW 31-7S-92W) | | | | |
| Site Position: | | Northing: | 1,581,611.55 ft | Latitude: | 39° 24' 33.82 N |
| From: | Lat/Long | Easting: | 2,375,162.79 ft | Longitude: | 107° 42' 42.03 W |
| Position Uncertainty: | 0.0 ft | Slot Radius: | in | Grid Convergence: | -1.39 ° |

| | | | | | | |
|-----------------------------|----------------|--------|----------------------------|-----------------|----------------------|------------------|
| Well | Shideler 36-9D | | | | | |
| Well Position | +N/-S | 0.0 ft | Northing: | 1,581,521.73 ft | Latitude: | 39° 24' 32.93 N |
| | +E/-W | 0.0 ft | Easting: | 2,375,151.96 ft | Longitude: | 107° 42' 42.14 W |
| Position Uncertainty | | 0.0 ft | Wellhead Elevation: | ft | Ground Level: | 6,750.0 ft |

| | | | | | |
|------------------|-------------------|--------------------|--------------------|------------------|-----------------------|
| Wellbore | DD | | | | |
| Magnetics | Model Name | Sample Date | Declination | Dip Angle | Field Strength |
| | IGRF200510 | 7/7/2009 | (°) | (°) | (nT) |
| | | | 10.44 | 65.78 | 52,456 |

| | | | | |
|--------------------------|-------------------------|--------------|----------------------|------------------|
| Design | Plan #1 | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PLAN | Tie On Depth: | 0.0 |
| Vertical Section: | Depth From (TVD) | +N/-S | +E/-W | Direction |
| | (ft) | (ft) | (ft) | (°) |
| | 0.0 | 0.0 | 0.0 | 275.69 |

| Plan Sections | | | | | | | | | | |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|----------------------|---------------------|---------|--------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | TFO (°) | Target |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 618.0 | 8.36 | 275.69 | 616.5 | 3.0 | -30.3 | 2.00 | 2.00 | 0.00 | 275.69 | |
| 5,954.0 | 8.36 | 275.69 | 5,895.8 | 80.0 | -802.3 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6,232.7 | 0.00 | 0.00 | 6,173.5 | 82.0 | -822.5 | 3.00 | -3.00 | 0.00 | 180.00 | Shideler 36-9D ToG |
| 8,192.7 | 0.00 | 0.00 | 8,133.5 | 82.0 | -822.5 | 0.00 | 0.00 | 0.00 | 0.00 | SHideler 36-9D BHL |
| 8,292.7 | 0.00 | 0.00 | 8,233.5 | 82.0 | -822.5 | 0.00 | 0.00 | 0.00 | 0.00 | |

Planning Report

| | | | |
|------------------|------------------------------|-------------------------------------|-------------------------------------|
| Database: | US EDM 2003.21 Multi User Db | Local Co-ordinate Reference: | Well Shideler 36-9D |
| Company: | EnCana Oil & Gas (USA) Inc | TVD Reference: | KBE @ 6763.5ft (Original Well Elev) |
| Project: | Mamm Creek | MD Reference: | KBE @ 6763.5ft (Original Well Elev) |
| Site: | C31E Pad (NENW 31-7S-92W) | North Reference: | True |
| Well: | Shideler 36-9D | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | DD | | |
| Design: | Plan #1 | | |

| Planned Survey | | | | | | | | | |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|-----------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Comments / Formations |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | |
| 100.0 | 0.00 | 0.00 | 100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | |
| 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | KOP = 200' MD |
| 300.0 | 2.00 | 275.69 | 300.0 | 0.2 | -1.7 | 1.7 | 2.00 | 2.00 | |
| 400.0 | 4.00 | 275.69 | 399.8 | 0.7 | -6.9 | 7.0 | 2.00 | 2.00 | |
| 500.0 | 6.00 | 275.69 | 499.5 | 1.6 | -15.6 | 15.7 | 2.00 | 2.00 | |
| 600.0 | 8.00 | 275.69 | 598.7 | 2.8 | -27.7 | 27.9 | 2.00 | 2.00 | |
| 618.0 | 8.36 | 275.69 | 616.5 | 3.0 | -30.3 | 30.4 | 2.00 | 2.00 | EOB at Inc. = 8.36° |
| 700.0 | 8.36 | 275.69 | 697.6 | 4.2 | -42.2 | 42.4 | 0.00 | 0.00 | |
| 800.0 | 8.36 | 275.69 | 796.6 | 5.6 | -56.6 | 56.9 | 0.00 | 0.00 | |
| 850.0 | 8.36 | 275.69 | 846.1 | 6.4 | -63.9 | 64.2 | 0.00 | 0.00 | Surface Casing |
| 900.0 | 8.36 | 275.69 | 895.5 | 7.1 | -71.1 | 71.4 | 0.00 | 0.00 | |
| 1,000.0 | 8.36 | 275.69 | 994.5 | 8.5 | -85.6 | 86.0 | 0.00 | 0.00 | |
| 1,100.0 | 8.36 | 275.69 | 1,093.4 | 10.0 | -100.0 | 100.5 | 0.00 | 0.00 | |
| 1,200.0 | 8.36 | 275.69 | 1,192.3 | 11.4 | -114.5 | 115.1 | 0.00 | 0.00 | |
| 1,300.0 | 8.36 | 275.69 | 1,291.3 | 12.9 | -129.0 | 129.6 | 0.00 | 0.00 | |
| 1,400.0 | 8.36 | 275.69 | 1,390.2 | 14.3 | -143.4 | 144.1 | 0.00 | 0.00 | |
| 1,500.0 | 8.36 | 275.69 | 1,489.1 | 15.7 | -157.9 | 158.7 | 0.00 | 0.00 | |
| 1,600.0 | 8.36 | 275.69 | 1,588.1 | 17.2 | -172.4 | 173.2 | 0.00 | 0.00 | |
| 1,700.0 | 8.36 | 275.69 | 1,687.0 | 18.6 | -186.8 | 187.8 | 0.00 | 0.00 | |
| 1,800.0 | 8.36 | 275.69 | 1,786.0 | 20.1 | -201.3 | 202.3 | 0.00 | 0.00 | |
| 1,900.0 | 8.36 | 275.69 | 1,884.9 | 21.5 | -215.8 | 216.8 | 0.00 | 0.00 | |
| 2,000.0 | 8.36 | 275.69 | 1,983.8 | 22.9 | -230.2 | 231.4 | 0.00 | 0.00 | |
| 2,100.0 | 8.36 | 275.69 | 2,082.8 | 24.4 | -244.7 | 245.9 | 0.00 | 0.00 | |
| 2,200.0 | 8.36 | 275.69 | 2,181.7 | 25.8 | -259.2 | 260.5 | 0.00 | 0.00 | |
| 2,242.2 | 8.36 | 275.69 | 2,223.5 | 26.4 | -265.3 | 266.6 | 0.00 | 0.00 | Wasach G Sand |
| 2,300.0 | 8.36 | 275.69 | 2,280.6 | 27.3 | -273.7 | 275.0 | 0.00 | 0.00 | |
| 2,400.0 | 8.36 | 275.69 | 2,379.6 | 28.7 | -288.1 | 289.5 | 0.00 | 0.00 | |
| 2,500.0 | 8.36 | 275.69 | 2,478.5 | 30.2 | -302.6 | 304.1 | 0.00 | 0.00 | |
| 2,600.0 | 8.36 | 275.69 | 2,577.5 | 31.6 | -317.1 | 318.6 | 0.00 | 0.00 | |
| 2,700.0 | 8.36 | 275.69 | 2,676.4 | 33.0 | -331.5 | 333.2 | 0.00 | 0.00 | |
| 2,800.0 | 8.36 | 275.69 | 2,775.3 | 34.5 | -346.0 | 347.7 | 0.00 | 0.00 | |
| 2,900.0 | 8.36 | 275.69 | 2,874.3 | 35.9 | -360.5 | 362.2 | 0.00 | 0.00 | |
| 3,000.0 | 8.36 | 275.69 | 2,973.2 | 37.4 | -374.9 | 376.8 | 0.00 | 0.00 | |
| 3,100.0 | 8.36 | 275.69 | 3,072.1 | 38.8 | -389.4 | 391.3 | 0.00 | 0.00 | |
| 3,200.0 | 8.36 | 275.69 | 3,171.1 | 40.3 | -403.9 | 405.9 | 0.00 | 0.00 | |
| 3,300.0 | 8.36 | 275.69 | 3,270.0 | 41.7 | -418.3 | 420.4 | 0.00 | 0.00 | |
| 3,400.0 | 8.36 | 275.69 | 3,369.0 | 43.1 | -432.8 | 435.0 | 0.00 | 0.00 | |
| 3,500.0 | 8.36 | 275.69 | 3,467.9 | 44.6 | -447.3 | 449.5 | 0.00 | 0.00 | |
| 3,600.0 | 8.36 | 275.69 | 3,566.8 | 46.0 | -461.7 | 464.0 | 0.00 | 0.00 | |
| 3,700.0 | 8.36 | 275.69 | 3,665.8 | 47.5 | -476.2 | 478.6 | 0.00 | 0.00 | |
| 3,800.0 | 8.36 | 275.69 | 3,764.7 | 48.9 | -490.7 | 493.1 | 0.00 | 0.00 | |
| 3,900.0 | 8.36 | 275.69 | 3,863.6 | 50.3 | -505.1 | 507.7 | 0.00 | 0.00 | |
| 4,000.0 | 8.36 | 275.69 | 3,962.6 | 51.8 | -519.6 | 522.2 | 0.00 | 0.00 | |
| 4,100.0 | 8.36 | 275.69 | 4,061.5 | 53.2 | -534.1 | 536.7 | 0.00 | 0.00 | |
| 4,200.0 | 8.36 | 275.69 | 4,160.5 | 54.7 | -548.6 | 551.3 | 0.00 | 0.00 | |
| 4,300.0 | 8.36 | 275.69 | 4,259.4 | 56.1 | -563.0 | 565.8 | 0.00 | 0.00 | |
| 4,400.0 | 8.36 | 275.69 | 4,358.3 | 57.6 | -577.5 | 580.4 | 0.00 | 0.00 | |
| 4,410.3 | 8.36 | 275.69 | 4,368.5 | 57.7 | -579.0 | 581.8 | 0.00 | 0.00 | OHIO CREEK |
| 4,500.0 | 8.36 | 275.69 | 4,457.3 | 59.0 | -592.0 | 594.9 | 0.00 | 0.00 | |
| 4,587.2 | 8.36 | 275.69 | 4,543.5 | 60.3 | -604.6 | 607.6 | 0.00 | 0.00 | Mesa Verde |
| 4,600.0 | 8.36 | 275.69 | 4,556.2 | 60.4 | -606.4 | 609.4 | 0.00 | 0.00 | |

Planning Report

| | | | |
|------------------|------------------------------|-------------------------------------|-------------------------------------|
| Database: | US EDM 2003.21 Multi User Db | Local Co-ordinate Reference: | Well Shideler 36-9D |
| Company: | EnCana Oil & Gas (USA) Inc | TVD Reference: | KBE @ 6763.5ft (Original Well Elev) |
| Project: | Mamm Creek | MD Reference: | KBE @ 6763.5ft (Original Well Elev) |
| Site: | C31E Pad (NENW 31-7S-92W) | North Reference: | True |
| Well: | Shideler 36-9D | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | DD | | |
| Design: | Plan #1 | | |

| Planned Survey | | | | | | | | | |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Comments / Formations |
| 4,700.0 | 8.36 | 275.69 | 4,655.1 | 61.9 | -620.9 | 624.0 | 0.00 | 0.00 | |
| 4,800.0 | 8.36 | 275.69 | 4,754.1 | 63.3 | -635.4 | 638.5 | 0.00 | 0.00 | |
| 4,900.0 | 8.36 | 275.69 | 4,853.0 | 64.8 | -649.8 | 653.1 | 0.00 | 0.00 | |
| 5,000.0 | 8.36 | 275.69 | 4,951.9 | 66.2 | -664.3 | 667.6 | 0.00 | 0.00 | |
| 5,100.0 | 8.36 | 275.69 | 5,050.9 | 67.6 | -678.8 | 682.1 | 0.00 | 0.00 | |
| 5,143.1 | 8.36 | 275.69 | 5,093.5 | 68.3 | -685.0 | 688.4 | 0.00 | 0.00 | Williams Fork |
| 5,200.0 | 8.36 | 275.69 | 5,149.8 | 69.1 | -693.2 | 696.7 | 0.00 | 0.00 | |
| 5,300.0 | 8.36 | 275.69 | 5,248.8 | 70.5 | -707.7 | 711.2 | 0.00 | 0.00 | |
| 5,400.0 | 8.36 | 275.69 | 5,347.7 | 72.0 | -722.2 | 725.8 | 0.00 | 0.00 | |
| 5,500.0 | 8.36 | 275.69 | 5,446.6 | 73.4 | -736.6 | 740.3 | 0.00 | 0.00 | |
| 5,600.0 | 8.36 | 275.69 | 5,545.6 | 74.9 | -751.1 | 754.8 | 0.00 | 0.00 | |
| 5,700.0 | 8.36 | 275.69 | 5,644.5 | 76.3 | -765.6 | 769.4 | 0.00 | 0.00 | |
| 5,800.0 | 8.36 | 275.69 | 5,743.4 | 77.7 | -780.1 | 783.9 | 0.00 | 0.00 | |
| 5,900.0 | 8.36 | 275.69 | 5,842.4 | 79.2 | -794.5 | 798.5 | 0.00 | 0.00 | |
| 5,954.0 | 8.36 | 275.69 | 5,895.8 | 80.0 | -802.3 | 806.3 | 0.00 | 0.00 | Start Drop -3.00 |
| 6,000.0 | 6.98 | 275.69 | 5,941.4 | 80.6 | -808.4 | 812.4 | 3.00 | -3.00 | |
| 6,100.0 | 3.98 | 275.69 | 6,040.9 | 81.5 | -817.9 | 822.0 | 3.00 | -3.00 | |
| 6,200.0 | 0.98 | 275.69 | 6,140.8 | 81.9 | -822.3 | 826.3 | 3.00 | -3.00 | |
| 6,232.7 | 0.00 | 0.00 | 6,173.5 | 82.0 | -822.5 | 826.6 | 3.00 | -3.00 | EOD at Inc. = 0° - TOP GAS - Shideler 36-9D T |
| 6,300.0 | 0.00 | 0.00 | 6,240.8 | 82.0 | -822.5 | 826.6 | 0.00 | 0.00 | |
| 6,400.0 | 0.00 | 0.00 | 6,340.8 | 82.0 | -822.5 | 826.6 | 0.00 | 0.00 | |
| 6,500.0 | 0.00 | 0.00 | 6,440.8 | 82.0 | -822.5 | 826.6 | 0.00 | 0.00 | |
| 6,600.0 | 0.00 | 0.00 | 6,540.8 | 82.0 | -822.5 | 826.6 | 0.00 | 0.00 | |
| 6,700.0 | 0.00 | 0.00 | 6,640.8 | 82.0 | -822.5 | 826.6 | 0.00 | 0.00 | |
| 6,800.0 | 0.00 | 0.00 | 6,740.8 | 82.0 | -822.5 | 826.6 | 0.00 | 0.00 | |
| 6,900.0 | 0.00 | 0.00 | 6,840.8 | 82.0 | -822.5 | 826.6 | 0.00 | 0.00 | |
| 7,000.0 | 0.00 | 0.00 | 6,940.8 | 82.0 | -822.5 | 826.6 | 0.00 | 0.00 | |
| 7,100.0 | 0.00 | 0.00 | 7,040.8 | 82.0 | -822.5 | 826.6 | 0.00 | 0.00 | |
| 7,200.0 | 0.00 | 0.00 | 7,140.8 | 82.0 | -822.5 | 826.6 | 0.00 | 0.00 | |
| 7,300.0 | 0.00 | 0.00 | 7,240.8 | 82.0 | -822.5 | 826.6 | 0.00 | 0.00 | |
| 7,400.0 | 0.00 | 0.00 | 7,340.8 | 82.0 | -822.5 | 826.6 | 0.00 | 0.00 | |
| 7,442.7 | 0.00 | 0.00 | 7,383.5 | 82.0 | -822.5 | 826.6 | 0.00 | 0.00 | COAL RIDGE |
| 7,500.0 | 0.00 | 0.00 | 7,440.8 | 82.0 | -822.5 | 826.6 | 0.00 | 0.00 | |
| 7,600.0 | 0.00 | 0.00 | 7,540.8 | 82.0 | -822.5 | 826.6 | 0.00 | 0.00 | |
| 7,700.0 | 0.00 | 0.00 | 7,640.8 | 82.0 | -822.5 | 826.6 | 0.00 | 0.00 | |
| 7,800.0 | 0.00 | 0.00 | 7,740.8 | 82.0 | -822.5 | 826.6 | 0.00 | 0.00 | |
| 7,900.0 | 0.00 | 0.00 | 7,840.8 | 82.0 | -822.5 | 826.6 | 0.00 | 0.00 | |
| 8,000.0 | 0.00 | 0.00 | 7,940.8 | 82.0 | -822.5 | 826.6 | 0.00 | 0.00 | |
| 8,092.7 | 0.00 | 0.00 | 8,033.5 | 82.0 | -822.5 | 826.6 | 0.00 | 0.00 | ROLLINS SS |
| 8,100.0 | 0.00 | 0.00 | 8,040.8 | 82.0 | -822.5 | 826.6 | 0.00 | 0.00 | |
| 8,192.7 | 0.00 | 0.00 | 8,133.5 | 82.0 | -822.5 | 826.6 | 0.00 | 0.00 | TD at 8192.7' MD - SHideler 36-9D BHL |
| 8,200.0 | 0.00 | 0.00 | 8,140.8 | 82.0 | -822.5 | 826.6 | 0.00 | 0.00 | |
| 8,292.7 | 0.00 | 0.00 | 8,233.5 | 82.0 | -822.5 | 826.6 | 0.00 | 0.00 | Permit TD at 8292.7' MD |