

US ROCKIES REGION PLANNING

COLORADO NORTHERN ZONE - 83

WELD_CAMP 5 PAD

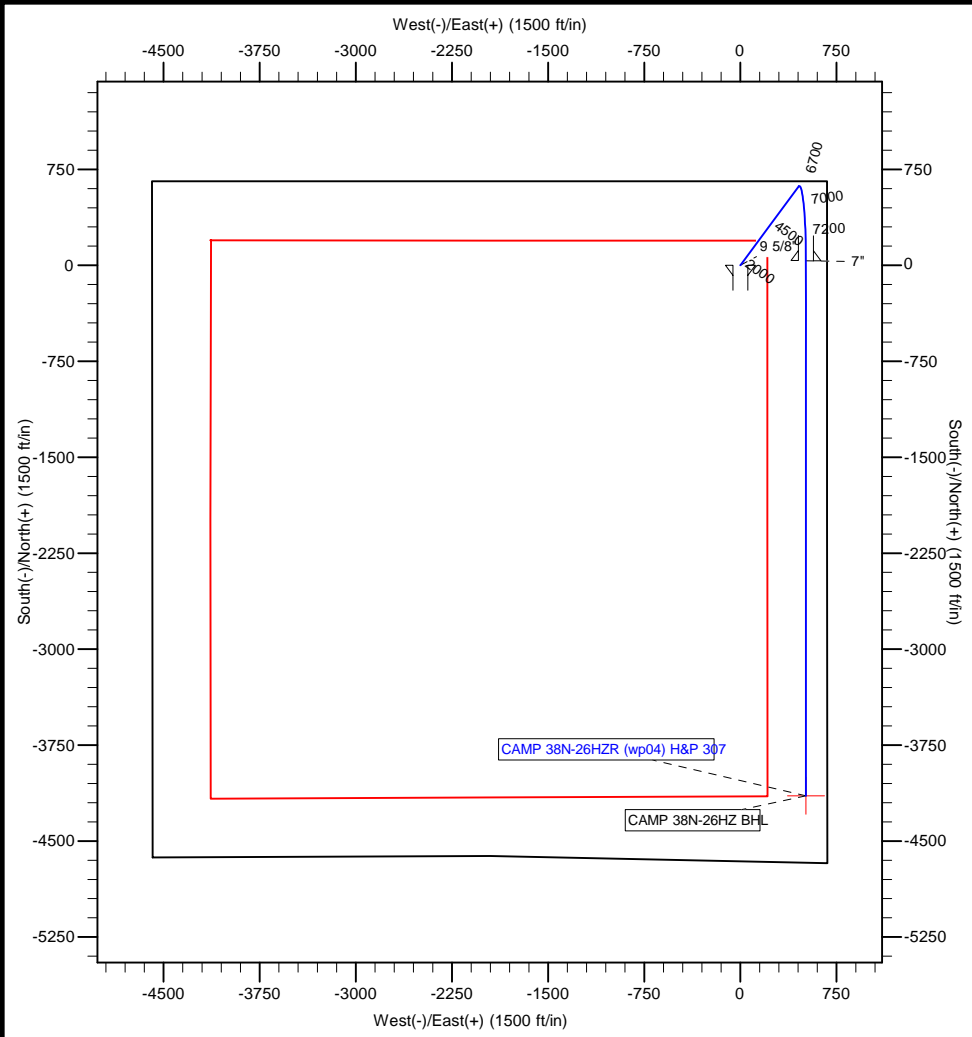
CAMP 38N-26HZR

CAMP 38N-26HZR

Plan: CAMP 38N-26HZR (wp04) H&P 307

Standard Planning Report

06 February, 2012



Azimuths to True North
 Magnetic North: 8.79°
 Magnetic Field
 Strength: 52995.6snT
 Dip Angle: 66.88°
 Date: 10/7/2011
 Model: IGRF2010



Project: COLORADO NORTHERN ZONE - 83
Site: WELD_CAMP 5 PAD
Well: CAMP 38N-26HZR
Wellbore: CAMP 38N-26HZR
Section:
SHL:
Design: CAMP 38N-26HZR (wp04) H&P 307
Latitude: 40.201658
Longitude: -104.737353
GL: 5014.00
KB: 25' RKB + 5014' GL @ 5039.00ft

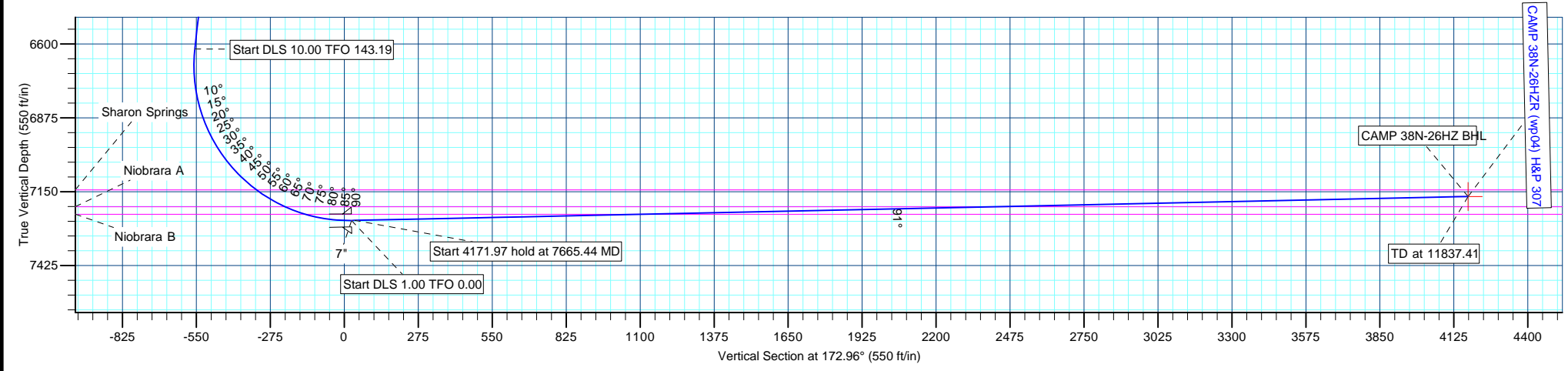
| WELL DETAILS: CAMP 38N-26HZR | | | | | | |
|------------------------------|-------|------------|-----------------------|---------------------|-------------|------|
| +N/-S | +E/-W | Northing | Ground Level: Easting | 5014.00 Latitude | Longitude | Slot |
| 0.00 | 0.00 | 1317222.49 | 3213023.88 | 40.201658 | -104.737353 | |

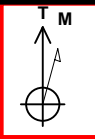
| SECTION DETAILS | | | | | | | | |
|-----------------|-------|--------|---------|----------|--------|-------|--------|---------|
| MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSect |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1300.00 | 0.00 | 0.00 | 1300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1726.26 | 8.53 | 36.40 | 1724.69 | 25.48 | 18.79 | 2.00 | 36.40 | -22.98 |
| 6674.65 | 8.53 | 36.40 | 6618.41 | 615.89 | 454.15 | 0.00 | 0.00 | -555.58 |
| 7654.21 | 91.11 | 180.00 | 7257.00 | 36.00 | 512.09 | 10.00 | 143.19 | 27.04 |
| 7665.44 | 91.22 | 180.00 | 7256.77 | 24.77 | 512.09 | 1.00 | 0.00 | 38.19 |
| 1837.41 | 91.22 | 180.00 | 7168.00 | -4146.26 | 512.09 | 0.00 | 0.00 | 4177.76 |

| WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG) | | | | | | |
|---|---------|----------|--------|-----------|-------------|-------|
| Name | TVD | +N/-S | +E/-W | Latitude | Longitude | Shape |
| CAMP 38N-26HZ BHL | 7168.00 | -4146.26 | 512.09 | 40.190276 | -104.735520 | Point |

| FORMATION TOP DETAILS | | |
|-----------------------|---------|----------------|
| TVDPath | MDPath | Formation |
| 4106.00 | 4134.18 | Parkman |
| 4691.00 | 4725.71 | Sussex |
| 7143.00 | 7274.45 | Sharon Springs |
| 7206.00 | 7398.77 | Niobrara A |
| 7234.00 | 7479.49 | Niobrara B |

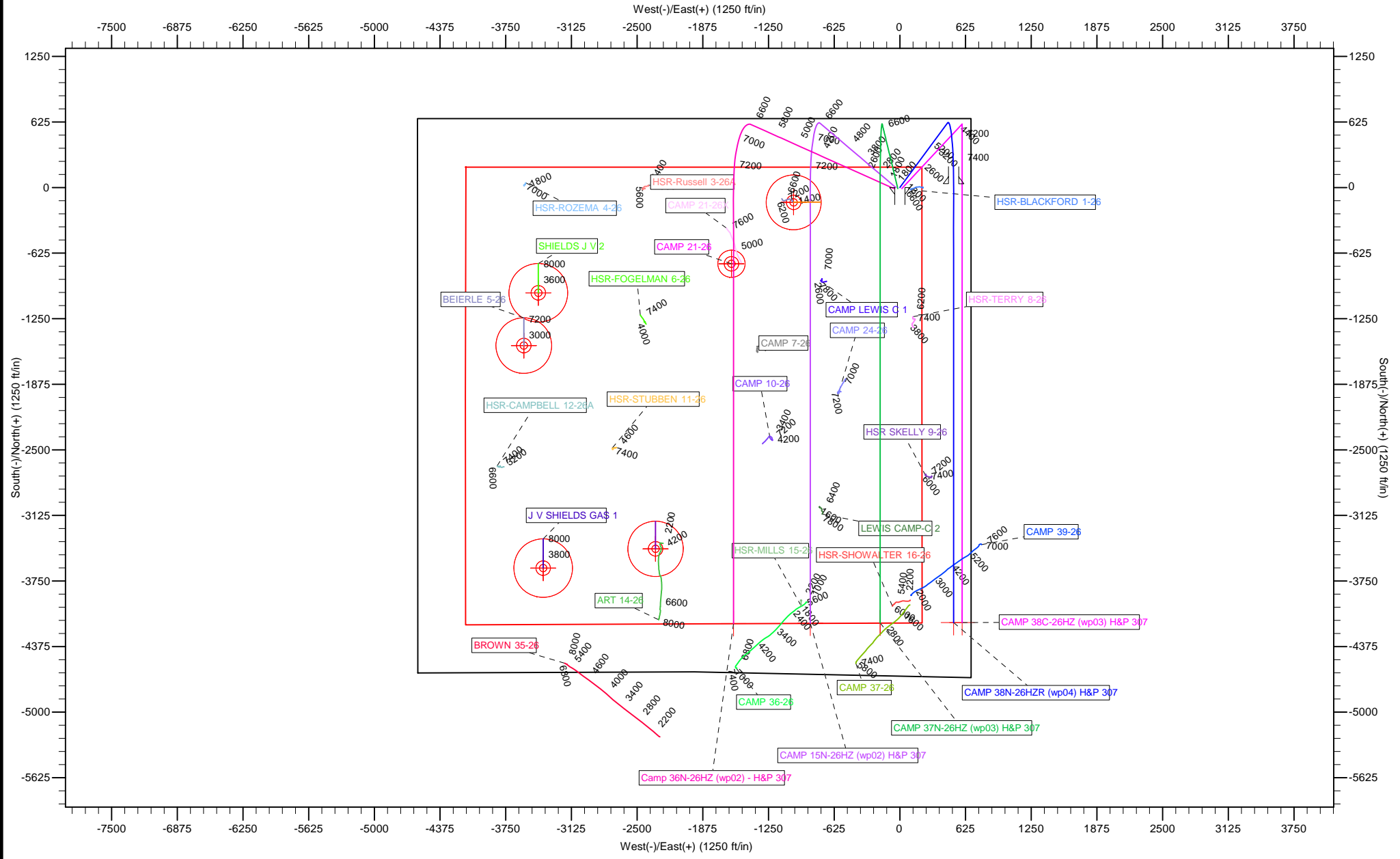
| CASING DETAILS | | | |
|----------------|---------|--------|-------|
| TVD | MD | Name | Size |
| 900.00 | 900.00 | 9 5/8" | 9-5/8 |
| 7257.00 | 7654.21 | 7" | 7 |





Azimuths to True North
Magnetic North: 8.79°
Magnetic Field
Strength: 52995.6snT
Dip Angle: 66.88°
Date: 10/7/2011
Model: IGRF2010

Project: COLORADO NORTHERN ZONE - 83
Site: WELD_CAMP 5 PAD
Well: CAMP 38N-26HZR
Wellbore: CAMP 38N-26HZR
Section:
SHL:
Design: CAMP 38N-26HZR (wp04) H&P 307
Latitude: 40.201658
Longitude: -104.737353
GL: 5014.00
KB: 25' RKB + 5014' GL @ 5039.00ft



Anadarko Petroleum Corp

Planning Report

| | | | |
|------------------|-------------------------------|-------------------------------------|--------------------------------|
| Database: | edmp | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Company: | US ROCKIES REGION PLANNING | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Project: | COLORADO NORTHERN ZONE - 83 | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site: | WELD_CAMP 5 PAD | North Reference: | True |
| Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | CAMP 38N-26HZR | | |
| Design: | CAMP 38N-26HZR (wp04) H&P 307 | | |

| | | | |
|--------------------|-----------------------------|----------------------|----------------|
| Project | COLORADO NORTHERN ZONE - 83 | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Colorado Northern Zone | | |

| | | | | |
|--------------------------------------|-------------------------------|-------------------|--------------------------|-------------|
| Site | WELD_CAMP 5 PAD | | | |
| Site Position: | Northing: | 1,317,212.46 usft | Latitude: | 40.201630 |
| From: Lat/Long | Easting: | 3,213,042.68 usft | Longitude: | -104.737286 |
| Position Uncertainty: 0.00 ft | Slot Radius: 13-3/16 " | | Grid Convergence: | 0.49 ° |

| | | | | |
|-----------------------------|----------------|-----------|----------------------------|----------------------------------|
| Well | CAMP 38N-26HZR | | | |
| Well Position | +N-S | 10.19 ft | Northing: | 1,317,222.49 usft |
| | +E-W | -18.71 ft | Easting: | 3,213,023.88 usft |
| Position Uncertainty | | 0.00 ft | Wellhead Elevation: | Ground Level: 5,014.00 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | CAMP 38N-26HZR | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2010 | 10/7/2011 | 8.79 | 66.88 | 52,996 |

| | | | | |
|--------------------------|-------------------------------|------------------|----------------------|----------------------|
| Design | CAMP 38N-26HZR (wp04) H&P 307 | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PLAN | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) (ft) | +N-S (ft) | +E-W (ft) | Direction (°) |
| | 0.00 | 0.00 | 0.00 | 172.96 |

| 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 | |
| 1,300.00 | 0.00 | 0.00 | 1,300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,726.26 | 8.53 | 36.40 | 1,724.69 | 25.48 | 18.79 | 2.00 | 2.00 | 0.00 | 36.40 | |
| 6,674.65 | 8.53 | 36.40 | 6,618.41 | 615.89 | 454.15 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7,654.21 | 91.11 | 180.00 | 7,257.00 | 36.00 | 512.09 | 10.00 | 8.43 | 14.66 | 143.19 | |
| 7,665.44 | 91.22 | 180.00 | 7,256.77 | 24.77 | 512.09 | 1.00 | 1.00 | 0.00 | 0.00 | |
| 11,837.41 | 91.22 | 180.00 | 7,168.00 | -4,146.26 | 512.09 | 0.00 | 0.00 | 0.00 | 0.00 | CAMP 38N-26HZ BHI |

Anadarko Petroleum Corp

Planning Report

| | | | |
|------------------|-------------------------------|-------------------------------------|--------------------------------|
| Database: | edmp | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Company: | US ROCKIES REGION PLANNING | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Project: | COLORADO NORTHERN ZONE - 83 | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site: | WELD_CAMP 5 PAD | North Reference: | True |
| Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | CAMP 38N-26HZR | | |
| Design: | CAMP 38N-26HZR (wp04) H&P 307 | | |

| 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 | 0.00 |
| 100.00 | 0.00 | 0.00 | 100.00 | 0.00 | 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 | 0.00 |
| 300.00 | 0.00 | 0.00 | 300.00 | 0.00 | 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 | 0.00 |
| 500.00 | 0.00 | 0.00 | 500.00 | 0.00 | 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 | 0.00 |
| 700.00 | 0.00 | 0.00 | 700.00 | 0.00 | 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 | 0.00 |
| 900.00 | 0.00 | 0.00 | 900.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 5/8" | | | | | | | | | | |
| 1,000.00 | 0.00 | 0.00 | 1,000.00 | 0.00 | 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 | 0.00 |
| 1,200.00 | 0.00 | 0.00 | 1,200.00 | 0.00 | 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 | 0.00 |
| Start Build 2.00 | | | | | | | | | | |
| 1,400.00 | 2.00 | 36.40 | 1,399.98 | 1.40 | 1.04 | -1.27 | 2.00 | 2.00 | 0.00 | 0.00 |
| 1,500.00 | 4.00 | 36.40 | 1,499.84 | 5.62 | 4.14 | -5.07 | 2.00 | 2.00 | 0.00 | 0.00 |
| 1,600.00 | 6.00 | 36.40 | 1,599.45 | 12.63 | 9.31 | -11.39 | 2.00 | 2.00 | 0.00 | 0.00 |
| 1,700.00 | 8.00 | 36.40 | 1,698.70 | 22.44 | 16.55 | -20.24 | 2.00 | 2.00 | 0.00 | 0.00 |
| 1,726.26 | 8.53 | 36.40 | 1,724.69 | 25.48 | 18.79 | -22.98 | 2.00 | 2.00 | 0.00 | 0.00 |
| Start 4948.39 hold at 1726.26 MD | | | | | | | | | | |
| 1,800.00 | 8.53 | 36.40 | 1,797.61 | 34.27 | 25.27 | -30.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 8.53 | 36.40 | 1,896.51 | 46.21 | 34.07 | -41.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 8.53 | 36.40 | 1,995.40 | 58.14 | 42.87 | -52.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 8.53 | 36.40 | 2,094.30 | 70.07 | 51.67 | -63.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 8.53 | 36.40 | 2,193.19 | 82.00 | 60.47 | -73.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 8.53 | 36.40 | 2,292.09 | 93.93 | 69.26 | -84.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 8.53 | 36.40 | 2,390.98 | 105.86 | 78.06 | -95.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 8.53 | 36.40 | 2,489.88 | 117.79 | 86.86 | -106.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 8.53 | 36.40 | 2,588.77 | 129.73 | 95.66 | -117.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 8.53 | 36.40 | 2,687.67 | 141.66 | 104.46 | -127.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 8.53 | 36.40 | 2,786.56 | 153.59 | 113.25 | -138.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 8.53 | 36.40 | 2,885.46 | 165.52 | 122.05 | -149.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 8.53 | 36.40 | 2,984.36 | 177.45 | 130.85 | -160.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 8.53 | 36.40 | 3,083.25 | 189.38 | 139.65 | -170.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 8.53 | 36.40 | 3,182.15 | 201.31 | 148.45 | -181.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 8.53 | 36.40 | 3,281.04 | 213.25 | 157.24 | -192.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 8.53 | 36.40 | 3,379.94 | 225.18 | 166.04 | -203.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 8.53 | 36.40 | 3,478.83 | 237.11 | 174.84 | -213.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 8.53 | 36.40 | 3,577.73 | 249.04 | 183.64 | -224.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 8.53 | 36.40 | 3,676.62 | 260.97 | 192.44 | -235.42 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,800.00 | 8.53 | 36.40 | 3,775.52 | 272.90 | 201.23 | -246.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 8.53 | 36.40 | 3,874.41 | 284.83 | 210.03 | -256.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 8.53 | 36.40 | 3,973.31 | 296.77 | 218.83 | -267.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 8.53 | 36.40 | 4,072.20 | 308.70 | 227.63 | -278.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,134.18 | 8.53 | 36.40 | 4,106.00 | 312.77 | 230.63 | -282.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| Parkman | | | | | | | | | | |
| 4,200.00 | 8.53 | 36.40 | 4,171.10 | 320.63 | 236.43 | -289.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 8.53 | 36.40 | 4,269.99 | 332.56 | 245.22 | -299.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 8.53 | 36.40 | 4,368.89 | 344.49 | 254.02 | -310.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,500.00 | 8.53 | 36.40 | 4,467.78 | 356.42 | 262.82 | -321.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,600.00 | 8.53 | 36.40 | 4,566.68 | 368.35 | 271.62 | -332.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,700.00 | 8.53 | 36.40 | 4,665.57 | 380.29 | 280.42 | -343.05 | 0.00 | 0.00 | 0.00 | 0.00 |

Anadarko Petroleum Corp

Planning Report

| | | | |
|------------------|-------------------------------|-------------------------------------|--------------------------------|
| Database: | edmp | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Company: | US ROCKIES REGION PLANNING | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Project: | COLORADO NORTHERN ZONE - 83 | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site: | WELD_CAMP 5 PAD | North Reference: | True |
| Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | CAMP 38N-26HZR | | |
| Design: | CAMP 38N-26HZR (wp04) H&P 307 | | |

| 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) | |
| 4,725.71 | 8.53 | 36.40 | 4,691.00 | 383.35 | 282.68 | -345.81 | 0.00 | 0.00 | 0.00 | |
| Sussex | | | | | | | | | | |
| 4,800.00 | 8.53 | 36.40 | 4,764.47 | 392.22 | 289.21 | -353.81 | 0.00 | 0.00 | 0.00 | |
| 4,900.00 | 8.53 | 36.40 | 4,863.36 | 404.15 | 298.01 | -364.57 | 0.00 | 0.00 | 0.00 | |
| 5,000.00 | 8.53 | 36.40 | 4,962.26 | 416.08 | 306.81 | -375.33 | 0.00 | 0.00 | 0.00 | |
| 5,100.00 | 8.53 | 36.40 | 5,061.15 | 428.01 | 315.61 | -386.10 | 0.00 | 0.00 | 0.00 | |
| 5,200.00 | 8.53 | 36.40 | 5,160.05 | 439.94 | 324.41 | -396.86 | 0.00 | 0.00 | 0.00 | |
| 5,300.00 | 8.53 | 36.40 | 5,258.94 | 451.87 | 333.20 | -407.62 | 0.00 | 0.00 | 0.00 | |
| 5,400.00 | 8.53 | 36.40 | 5,357.84 | 463.81 | 342.00 | -418.39 | 0.00 | 0.00 | 0.00 | |
| 5,500.00 | 8.53 | 36.40 | 5,456.73 | 475.74 | 350.80 | -429.15 | 0.00 | 0.00 | 0.00 | |
| 5,600.00 | 8.53 | 36.40 | 5,555.63 | 487.67 | 359.60 | -439.91 | 0.00 | 0.00 | 0.00 | |
| 5,700.00 | 8.53 | 36.40 | 5,654.52 | 499.60 | 368.40 | -450.68 | 0.00 | 0.00 | 0.00 | |
| 5,800.00 | 8.53 | 36.40 | 5,753.42 | 511.53 | 377.19 | -461.44 | 0.00 | 0.00 | 0.00 | |
| 5,900.00 | 8.53 | 36.40 | 5,852.31 | 523.46 | 385.99 | -472.20 | 0.00 | 0.00 | 0.00 | |
| 6,000.00 | 8.53 | 36.40 | 5,951.21 | 535.39 | 394.79 | -482.97 | 0.00 | 0.00 | 0.00 | |
| 6,100.00 | 8.53 | 36.40 | 6,050.10 | 547.33 | 403.59 | -493.73 | 0.00 | 0.00 | 0.00 | |
| 6,200.00 | 8.53 | 36.40 | 6,149.00 | 559.26 | 412.39 | -504.49 | 0.00 | 0.00 | 0.00 | |
| 6,300.00 | 8.53 | 36.40 | 6,247.89 | 571.19 | 421.18 | -515.25 | 0.00 | 0.00 | 0.00 | |
| 6,400.00 | 8.53 | 36.40 | 6,346.79 | 583.12 | 429.98 | -526.02 | 0.00 | 0.00 | 0.00 | |
| 6,500.00 | 8.53 | 36.40 | 6,445.68 | 595.05 | 438.78 | -536.78 | 0.00 | 0.00 | 0.00 | |
| 6,600.00 | 8.53 | 36.40 | 6,544.58 | 606.98 | 447.58 | -547.54 | 0.00 | 0.00 | 0.00 | |
| 6,674.65 | 8.53 | 36.40 | 6,618.41 | 615.89 | 454.15 | -555.58 | 0.00 | 0.00 | 0.00 | |
| Start DLS 10.00 TFO 143.19 | | | | | | | | | | |
| 6,700.00 | 6.67 | 49.59 | 6,643.53 | 618.36 | 456.38 | -557.75 | 10.00 | -7.32 | 52.03 | |
| 6,800.00 | 7.63 | 138.19 | 6,743.00 | 617.17 | 465.25 | -555.49 | 10.00 | 0.96 | 88.60 | |
| 6,900.00 | 16.48 | 162.36 | 6,840.75 | 598.66 | 474.00 | -536.04 | 10.00 | 8.84 | 24.16 | |
| 7,000.00 | 26.16 | 169.44 | 6,933.82 | 563.38 | 482.36 | -500.01 | 10.00 | 9.68 | 7.09 | |
| 7,100.00 | 36.00 | 172.85 | 7,019.36 | 512.42 | 490.08 | -448.48 | 10.00 | 9.85 | 3.41 | |
| 7,200.00 | 45.91 | 174.95 | 7,094.79 | 447.32 | 496.92 | -383.03 | 10.00 | 9.91 | 2.09 | |
| 7,274.45 | 53.30 | 176.09 | 7,143.00 | 390.83 | 501.31 | -326.43 | 10.00 | 9.93 | 1.54 | |
| Sharon Springs | | | | | | | | | | |
| 7,284.85 | 54.34 | 176.23 | 7,149.14 | 382.45 | 501.87 | -318.05 | 10.00 | 9.94 | 1.36 | |
| CAMP 38N-26HZ heel | | | | | | | | | | |
| 7,300.00 | 55.85 | 176.43 | 7,157.81 | 370.05 | 502.67 | -305.65 | 10.00 | 9.94 | 1.32 | |
| 7,398.77 | 65.67 | 177.59 | 7,206.00 | 284.09 | 507.11 | -219.79 | 10.00 | 9.95 | 1.17 | |
| Niobrara A | | | | | | | | | | |
| 7,400.00 | 65.79 | 177.60 | 7,206.51 | 282.97 | 507.16 | -218.67 | 10.00 | 9.95 | 1.07 | |
| 7,479.49 | 73.71 | 178.41 | 7,234.00 | 208.50 | 509.74 | -144.44 | 10.00 | 9.95 | 1.01 | |
| Niobrara B | | | | | | | | | | |
| 7,500.00 | 75.75 | 178.60 | 7,239.40 | 188.72 | 510.26 | -124.75 | 10.00 | 9.96 | 0.95 | |
| 7,600.00 | 85.71 | 179.52 | 7,255.49 | 90.17 | 511.86 | -26.74 | 10.00 | 9.96 | 0.91 | |
| 7,654.21 | 91.11 | 180.00 | 7,257.00 | 36.00 | 512.09 | 27.04 | 10.00 | 9.96 | 0.89 | |
| Start DLS 1.00 TFO 0.00 - 7" | | | | | | | | | | |
| 7,665.44 | 91.22 | 180.00 | 7,256.77 | 24.77 | 512.09 | 38.19 | 1.00 | 1.00 | 0.00 | |
| Start 4171.97 hold at 7665.44 MD | | | | | | | | | | |
| 7,700.00 | 91.22 | 180.00 | 7,256.04 | -9.78 | 512.09 | 72.48 | 0.00 | 0.00 | 0.00 | |
| 7,800.00 | 91.22 | 180.00 | 7,253.91 | -109.76 | 512.09 | 171.70 | 0.00 | 0.00 | 0.00 | |
| 7,900.00 | 91.22 | 180.00 | 7,251.78 | -209.74 | 512.09 | 270.93 | 0.00 | 0.00 | 0.00 | |
| 8,000.00 | 91.22 | 180.00 | 7,249.65 | -309.71 | 512.09 | 370.15 | 0.00 | 0.00 | 0.00 | |
| 8,100.00 | 91.22 | 180.00 | 7,247.53 | -409.69 | 512.09 | 469.37 | 0.00 | 0.00 | 0.00 | |
| 8,200.00 | 91.22 | 180.00 | 7,245.40 | -509.67 | 512.09 | 568.60 | 0.00 | 0.00 | 0.00 | |
| 8,300.00 | 91.22 | 180.00 | 7,243.27 | -609.65 | 512.09 | 667.82 | 0.00 | 0.00 | 0.00 | |
| 8,400.00 | 91.22 | 180.00 | 7,241.14 | -709.62 | 512.09 | 767.04 | 0.00 | 0.00 | 0.00 | |

Anadarko Petroleum Corp

Planning Report

| | | | |
|------------------|-------------------------------|-------------------------------------|--------------------------------|
| Database: | edmp | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Company: | US ROCKIES REGION PLANNING | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Project: | COLORADO NORTHERN ZONE - 83 | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site: | WELD_CAMP 5 PAD | North Reference: | True |
| Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | CAMP 38N-26HZR | | |
| Design: | CAMP 38N-26HZR (wp04) H&P 307 | | |

| 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) | |
| 8,500.00 | 91.22 | 180.00 | 7,239.01 | -809.60 | 512.09 | 866.27 | 0.00 | 0.00 | 0.00 | |
| 8,600.00 | 91.22 | 180.00 | 7,236.89 | -909.58 | 512.09 | 965.49 | 0.00 | 0.00 | 0.00 | |
| 8,700.00 | 91.22 | 180.00 | 7,234.76 | -1,009.56 | 512.09 | 1,064.71 | 0.00 | 0.00 | 0.00 | |
| 8,800.00 | 91.22 | 180.00 | 7,232.63 | -1,109.53 | 512.09 | 1,163.94 | 0.00 | 0.00 | 0.00 | |
| 8,900.00 | 91.22 | 180.00 | 7,230.50 | -1,209.51 | 512.09 | 1,263.16 | 0.00 | 0.00 | 0.00 | |
| 9,000.00 | 91.22 | 180.00 | 7,228.38 | -1,309.49 | 512.09 | 1,362.38 | 0.00 | 0.00 | 0.00 | |
| 9,100.00 | 91.22 | 180.00 | 7,226.25 | -1,409.47 | 512.09 | 1,461.61 | 0.00 | 0.00 | 0.00 | |
| 9,200.00 | 91.22 | 180.00 | 7,224.12 | -1,509.44 | 512.09 | 1,560.83 | 0.00 | 0.00 | 0.00 | |
| 9,300.00 | 91.22 | 180.00 | 7,221.99 | -1,609.42 | 512.09 | 1,660.05 | 0.00 | 0.00 | 0.00 | |
| 9,400.00 | 91.22 | 180.00 | 7,219.86 | -1,709.40 | 512.09 | 1,759.28 | 0.00 | 0.00 | 0.00 | |
| 9,500.00 | 91.22 | 180.00 | 7,217.74 | -1,809.38 | 512.09 | 1,858.50 | 0.00 | 0.00 | 0.00 | |
| 9,600.00 | 91.22 | 180.00 | 7,215.61 | -1,909.35 | 512.09 | 1,957.72 | 0.00 | 0.00 | 0.00 | |
| 9,700.00 | 91.22 | 180.00 | 7,213.48 | -2,009.33 | 512.09 | 2,056.95 | 0.00 | 0.00 | 0.00 | |
| 9,800.00 | 91.22 | 180.00 | 7,211.35 | -2,109.31 | 512.09 | 2,156.17 | 0.00 | 0.00 | 0.00 | |
| 9,900.00 | 91.22 | 180.00 | 7,209.22 | -2,209.28 | 512.09 | 2,255.39 | 0.00 | 0.00 | 0.00 | |
| 10,000.00 | 91.22 | 180.00 | 7,207.10 | -2,309.26 | 512.09 | 2,354.62 | 0.00 | 0.00 | 0.00 | |
| 10,100.00 | 91.22 | 180.00 | 7,204.97 | -2,409.24 | 512.09 | 2,453.84 | 0.00 | 0.00 | 0.00 | |
| 10,200.00 | 91.22 | 180.00 | 7,202.84 | -2,509.22 | 512.09 | 2,553.06 | 0.00 | 0.00 | 0.00 | |
| 10,300.00 | 91.22 | 180.00 | 7,200.71 | -2,609.19 | 512.09 | 2,652.29 | 0.00 | 0.00 | 0.00 | |
| 10,400.00 | 91.22 | 180.00 | 7,198.59 | -2,709.17 | 512.09 | 2,751.51 | 0.00 | 0.00 | 0.00 | |
| 10,500.00 | 91.22 | 180.00 | 7,196.46 | -2,809.15 | 512.09 | 2,850.74 | 0.00 | 0.00 | 0.00 | |
| 10,600.00 | 91.22 | 180.00 | 7,194.33 | -2,909.13 | 512.09 | 2,949.96 | 0.00 | 0.00 | 0.00 | |
| 10,700.00 | 91.22 | 180.00 | 7,192.20 | -3,009.10 | 512.09 | 3,049.18 | 0.00 | 0.00 | 0.00 | |
| 10,800.00 | 91.22 | 180.00 | 7,190.07 | -3,109.08 | 512.09 | 3,148.41 | 0.00 | 0.00 | 0.00 | |
| 10,900.00 | 91.22 | 180.00 | 7,187.95 | -3,209.06 | 512.09 | 3,247.63 | 0.00 | 0.00 | 0.00 | |
| 11,000.00 | 91.22 | 180.00 | 7,185.82 | -3,309.04 | 512.09 | 3,346.85 | 0.00 | 0.00 | 0.00 | |
| 11,100.00 | 91.22 | 180.00 | 7,183.69 | -3,409.01 | 512.09 | 3,446.08 | 0.00 | 0.00 | 0.00 | |
| 11,200.00 | 91.22 | 180.00 | 7,181.56 | -3,508.99 | 512.09 | 3,545.30 | 0.00 | 0.00 | 0.00 | |
| 11,300.00 | 91.22 | 180.00 | 7,179.44 | -3,608.97 | 512.09 | 3,644.52 | 0.00 | 0.00 | 0.00 | |
| 11,400.00 | 91.22 | 180.00 | 7,177.31 | -3,708.94 | 512.09 | 3,743.75 | 0.00 | 0.00 | 0.00 | |
| 11,500.00 | 91.22 | 180.00 | 7,175.18 | -3,808.92 | 512.09 | 3,842.97 | 0.00 | 0.00 | 0.00 | |
| 11,600.00 | 91.22 | 180.00 | 7,173.05 | -3,908.90 | 512.09 | 3,942.19 | 0.00 | 0.00 | 0.00 | |
| 11,700.00 | 91.22 | 180.00 | 7,170.92 | -4,008.88 | 512.09 | 4,041.42 | 0.00 | 0.00 | 0.00 | |
| 11,800.00 | 91.22 | 180.00 | 7,168.80 | -4,108.85 | 512.09 | 4,140.64 | 0.00 | 0.00 | 0.00 | |
| 11,837.41 | 91.22 | 180.00 | 7,168.00 | -4,146.26 | 512.09 | 4,177.76 | 0.00 | 0.00 | 0.00 | |
| TD at 11837.41 - CAMP 38N-26HZ BHL | | | | | | | | | | |

| Design Targets | | | | | | | | | | |
|---------------------------|---------------|--------------|----------|------------|------------|-----------------|----------------|-----------|-------------|--|
| Target Name | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (usft) | Easting (usft) | Latitude | Longitude | |
| CAMP 38N-26HZ BHL | 0.00 | 0.00 | 7,168.00 | -4,146.26 | 512.09 | 1,313,080.80 | 3,213,571.61 | 40.190276 | -104.735520 | |
| - hit/miss target | | | | | | | | | | |
| - Shape | | | | | | | | | | |
| - plan hits target center | | | | | | | | | | |
| - Point | | | | | | | | | | |

Anadarko Petroleum Corp

Planning Report

| | | | |
|------------------|-------------------------------|-------------------------------------|--------------------------------|
| Database: | edmp | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Company: | US ROCKIES REGION PLANNING | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Project: | COLORADO NORTHERN ZONE - 83 | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site: | WELD_CAMP 5 PAD | North Reference: | True |
| Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | CAMP 38N-26HZR | | |
| Design: | CAMP 38N-26HZR (wp04) H&P 307 | | |

| Casing Points | | | | | | |
|---------------------|---------------------|--------|------|---------------------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | | Name | Casing Diameter (") | Hole Diameter (") | |
| 900.00 | 900.00 | 9 5/8" | | 9-5/8 | 12-1/4 | |
| 7,654.21 | 7,257.00 | 7" | | 7 | 8-3/4 | |

| Formations | | | | | | |
|---------------------|---------------------|----------------|-----------|---------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 4,134.18 | 4,106.00 | Parkman | | | | |
| 4,725.71 | 4,691.00 | Sussex | | | | |
| 7,274.45 | 7,143.00 | Sharon Springs | | | | |
| 7,398.77 | 7,206.00 | Niobrara A | | | | |
| 7,479.49 | 7,234.00 | Niobrara B | | | | |

| Plan Annotations | | | | | |
|---------------------|---------------------|-------------------|------------|----------------------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | Comment | |
| | | +N/-S (ft) | +E/-W (ft) | | |
| 1,300.00 | 1,300.00 | 0.00 | 0.00 | Start Build 2.00 | |
| 1,726.26 | 1,724.69 | 25.48 | 18.79 | Start 4948.39 hold at 1726.26 MD | |
| 6,674.65 | 6,618.41 | 615.89 | 454.15 | Start DLS 10.00 TFO 143.19 | |
| 7,654.21 | 7,257.00 | 36.00 | 512.09 | Start DLS 1.00 TFO 0.00 | |
| 7,665.44 | 7,256.77 | 24.77 | 512.09 | Start 4171.97 hold at 7665.44 MD | |
| 11,837.41 | 7,168.00 | -4,146.26 | 512.09 | TD at 11837.41 | |

US ROCKIES REGION PLANNING

**COLORADO NORTHERN ZONE - 83
WELD_CAMP 5 PAD
CAMP 38N-26HZR**

**CAMP 38N-26HZR
CAMP 38N-26HZR (wp04) H&P 307**

Anticollision Report

06 February, 2012

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| | | | |
|-------------------------------------|---|---|---------------------|
| Reference | CAMP 38N-26HZR (wp04) H&P 307 | | |
| Filter type: | NO GLOBAL FILTER: Using user defined selection & filtering criteria | WARNING: There is hidden tight data in this project | |
| Interpolation Method: | MD Interval 100.00ft | Error Model: | ISCWSA |
| Depth Range: | Unlimited | Scan Method: | Closest Approach 3D |
| Results Limited by: | Maximum center-center distance of 10,000.00 ft | Error Surface: | Elliptical Conic |
| Warning Levels Evaluated at: | 2.00 Sigma | Casing Method: | Not applied |

| | | | | |
|----------------------------|----------------|------------------------------------|------------------|--------------------|
| Survey Tool Program | Date | 2/6/2012 | | |
| From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description |
| 0.00 | 11,837.41 | CAMP 38N-26HZR (wp04) H&P 307 (CAM | MWD | MWD - Standard |

| Site Name | Reference Measured Depth (ft) | Offset Measured Depth (ft) | Distance Between Centres (ft) | Distance Between Ellipses (ft) | Separation Factor | Warning |
|--|-------------------------------|----------------------------|-------------------------------|--------------------------------|-------------------|------------|
| Summary | | | | | | |
| Offset Well - Wellbore - Design | | | | | | |
| WELD_CAMP 5 PAD | | | | | | |
| ART 14-26 offset - ART 14-26 - ART 14-26 | 11,767.25 | 7,173.24 | 2,797.58 | 2,695.95 | 27.528 | CC |
| ART 14-26 offset - ART 14-26 - ART 14-26 | 11,837.41 | 7,180.01 | 2,798.45 | 2,695.43 | 27.165 | ES, SF |
| BEIERLE 5-26 offset - BEIERLE 5-26 - BEIERLE 5-26 | 1,344.33 | 1,327.16 | 3,865.18 | 3,859.35 | 662.630 | CC, ES |
| BEIERLE 5-26 offset - BEIERLE 5-26 - BEIERLE 5-26 | 11,837.41 | 7,002.58 | 5,004.56 | 4,901.37 | 48.495 | SF |
| BROWN 35-26 offset - BROWN 35-26 - BROWN 35-26 | 11,837.41 | 7,200.16 | 3,705.51 | 3,600.74 | 35.369 | CC, ES, SF |
| CAMP 10-26 offset - CAMP 10-26 - CAMP 10-26 | 10,088.00 | 7,128.11 | 1,741.67 | 1,675.13 | 26.174 | CC |
| CAMP 10-26 offset - CAMP 10-26 - CAMP 10-26 | 10,100.00 | 7,127.58 | 1,741.72 | 1,674.96 | 26.092 | ES |
| CAMP 10-26 offset - CAMP 10-26 - CAMP 10-26 | 11,000.00 | 7,087.41 | 1,965.52 | 1,881.85 | 23.493 | SF |
| CAMP 15N-26HZ - CAMP 15N-26HZ - CAMP 15N-26HZ | 1,300.00 | 1,300.00 | 37.99 | 32.43 | 6.829 | CC, ES |
| CAMP 15N-26HZ - CAMP 15N-26HZ - CAMP 15N-26HZ | 1,400.00 | 1,398.94 | 40.34 | 34.34 | 6.724 | SF |
| CAMP 21-26X offset - CAMP 21-26X - CAMP 21-26X | 3,344.39 | 3,546.00 | 1,932.86 | 1,925.14 | 250.396 | CC, ES |
| CAMP 21-26X offset - CAMP 21-26X - CAMP 21-26X | 11,700.00 | 6,989.54 | 4,187.11 | 4,094.62 | 45.268 | SF |
| CAMP 24-26 offset - CAMP 24-26 - CAMP 24-26 | 9,635.03 | 7,162.56 | 1,083.59 | 1,025.77 | 18.740 | CC, ES |
| CAMP 24-26 offset - CAMP 24-26 - CAMP 24-26 | 10,000.00 | 7,157.37 | 1,143.39 | 1,078.91 | 17.731 | SF |
| CAMP 36-26 offset - CAMP 36-26 - CAMP 36-26 | 11,837.41 | 7,241.54 | 2,107.80 | 2,003.98 | 20.303 | CC, ES, SF |
| Camp 36N-26HZ - Camp 36N-26HZ - Camp 36N-26HZ (| 1,100.00 | 1,100.00 | 57.28 | 52.61 | 12.281 | CC, ES |
| Camp 36N-26HZ - Camp 36N-26HZ - Camp 36N-26HZ (| 1,300.00 | 1,296.43 | 63.08 | 57.54 | 11.394 | SF |
| CAMP 37-26 offset - CAMP 37-26 - CAMP 37-26 | 11,837.41 | 7,212.04 | 1,007.35 | 901.92 | 9.555 | CC, ES, SF |
| CAMP 37N-26HZ - CAMP 37N-26HZ - CAMP 37N-26HZ | 1,300.00 | 1,300.00 | 21.32 | 15.75 | 3.832 | CC, ES |
| CAMP 37N-26HZ - CAMP 37N-26HZ - CAMP 37N-26HZ | 1,400.00 | 1,399.98 | 22.91 | 16.91 | 3.815 | SF |
| CAMP 38C-26HZ - CAMP 38C-26HZ - CAMP 38C-26HZ | 1,100.00 | 1,100.00 | 21.31 | 16.65 | 4.569 | CC, ES |
| CAMP 38C-26HZ - CAMP 38C-26HZ - CAMP 38C-26HZ | 11,837.41 | 12,084.04 | 244.80 | 160.40 | 2.901 | SF |
| CAMP 39-26 offset - CAMP 39-26 - CAMP 39-26 | 11,091.28 | 7,248.33 | 263.19 | 177.23 | 3.062 | CC |
| CAMP 39-26 offset - CAMP 39-26 - CAMP 39-26 | 11,100.00 | 7,248.21 | 263.33 | 177.22 | 3.058 | ES, SF |
| CAMP 7-26 offset - CAMP 7-26 - CAMP 7-26 | 9,208.95 | 7,161.99 | 1,870.34 | 1,820.39 | 37.447 | CC, ES |
| CAMP 7-26 offset - CAMP 7-26 - CAMP 7-26 | 10,500.00 | 7,100.00 | 2,271.71 | 2,198.37 | 30.976 | SF |
| CAMP LEWIS C 1 offset - CAMP LEWIS C 1 - CAMP LE | 100.00 | 62.78 | 1,134.43 | 1,134.26 | 6,763.199 | CC |
| CAMP LEWIS C 1 offset - CAMP LEWIS C 1 - CAMP LE | 500.00 | 461.29 | 1,135.02 | 1,132.98 | 556.519 | ES |
| CAMP LEWIS C 1 offset - CAMP LEWIS C 1 - CAMP LE | 9,300.00 | 7,190.92 | 1,455.38 | 1,401.68 | 27.103 | SF |
| HSR-BEIERIE 14-26 offset - HSR-BEIERIE 14-26 - HSR | 10,886.57 | 7,151.56 | 2,836.10 | 2,750.89 | 33.283 | CC |
| HSR-BEIERIE 14-26 offset - HSR-BEIERIE 14-26 - HSR | 10,900.00 | 7,150.80 | 2,836.13 | 2,750.68 | 33.188 | ES |
| HSR-BEIERIE 14-26 offset - HSR-BEIERIE 14-26 - HSR | 11,837.41 | 7,098.16 | 2,990.77 | 2,887.25 | 28.891 | SF |
| HSR-BLACKFORD 1-26 offset - HSR-BLACKFORD 1-26 | 2,416.30 | 2,379.24 | 170.90 | 160.10 | 15.825 | CC, ES |
| HSR-BLACKFORD 1-26 offset - HSR-BLACKFORD 1-26 | 7,710.79 | 7,233.63 | 407.35 | 374.73 | 12.487 | SF |
| HSR-CAMPBELL 12-26A offset - HSR-CAMPBELL 12-2 | 10,348.54 | 7,049.13 | 4,339.01 | 4,266.71 | 60.009 | CC |
| HSR-CAMPBELL 12-26A offset - HSR-CAMPBELL 12-2 | 10,400.00 | 7,047.71 | 4,339.32 | 4,266.08 | 59.252 | ES |
| HSR-CAMPBELL 12-26A offset - HSR-CAMPBELL 12-2 | 11,837.41 | 7,004.65 | 4,587.14 | 4,486.27 | 45.478 | SF |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Summary | | | | | | |
|--|-------------------------------|----------------------------|-------------------------------|--------------------------------|-------------------|------------|
| Site Name | Reference Measured Depth (ft) | Offset Measured Depth (ft) | Distance Between Centres (ft) | Distance Between Ellipses (ft) | Separation Factor | Warning |
| WELD_CAMP 5 PAD | | | | | | |
| HSR-FOGELMAN 6-26 offset - HSR-FOGELMAN 6-26 - | 100.00 | 30.75 | 2,741.80 | 2,741.67 | 10,000.000 | CC |
| HSR-FOGELMAN 6-26 offset - HSR-FOGELMAN 6-26 - | 1,300.00 | 1,222.39 | 2,742.70 | 2,736.98 | 479.246 | ES |
| HSR-FOGELMAN 6-26 offset - HSR-FOGELMAN 6-26 - | 11,837.41 | 6,900.00 | 4,152.70 | 4,052.93 | 41.625 | SF |
| HSR-MILLS 15-26 offset - HSR-MILLS 15-26 - HSR-MILL | 11,676.93 | 7,157.74 | 1,450.55 | 1,352.70 | 14.823 | CC |
| HSR-MILLS 15-26 offset - HSR-MILLS 15-26 - HSR-MILL | 11,700.00 | 7,157.32 | 1,450.74 | 1,352.46 | 14.761 | ES |
| HSR-MILLS 15-26 offset - HSR-MILLS 15-26 - HSR-MILL | 11,837.41 | 7,154.89 | 1,459.40 | 1,358.45 | 14.457 | SF |
| HSR-ROZEMA 4-26 offset - HSR-ROZEMA 4-26 - HSR- | 100.00 | 11.01 | 3,573.17 | 3,573.07 | 10,000.000 | CC |
| HSR-ROZEMA 4-26 offset - HSR-ROZEMA 4-26 - HSR- | 1,300.00 | 1,204.99 | 3,576.25 | 3,570.77 | 652.698 | ES |
| HSR-ROZEMA 4-26 offset - HSR-ROZEMA 4-26 - HSR- | 11,837.41 | 7,092.58 | 5,843.57 | 5,742.49 | 57.813 | SF |
| HSR-RUSSELL 3-26A offset - HSR-Russell 3-26A - HSR | 291.72 | 223.73 | 2,422.58 | 2,421.64 | 2,559.903 | CC |
| HSR-RUSSELL 3-26A offset - HSR-Russell 3-26A - HSR | 300.00 | 230.76 | 2,422.59 | 2,421.61 | 2,484.796 | ES |
| HSR-RUSSELL 3-26A offset - HSR-Russell 3-26A - HSR | 11,837.41 | 7,054.23 | 5,077.09 | 4,978.06 | 51.269 | SF |
| HSR-SHOWALTER 16-26 offset - HSR-SHOWALTER 1 | 11,679.98 | 7,162.65 | 581.51 | 479.76 | 5.715 | CC |
| HSR-SHOWALTER 16-26 offset - HSR-SHOWALTER 1 | 11,700.00 | 7,162.35 | 581.85 | 479.74 | 5.698 | ES, SF |
| HSR-Sinton 2-26 offset - HSR-SINTON 2-26 - HSR-SINT | 100.00 | 56.66 | 1,029.34 | 1,029.18 | 6,446.369 | CC |
| HSR-Sinton 2-26 offset - HSR-SINTON 2-26 - HSR-SINT | 1,300.29 | 1,264.41 | 1,030.17 | 1,024.59 | 184.644 | ES |
| HSR-Sinton 2-26 offset - HSR-SINTON 2-26 - HSR-SINT | 9,400.00 | 7,100.00 | 2,282.93 | 2,226.74 | 40.624 | SF |
| HSR-SKELLY 9-26 offset - HSR-SKELLY 9-26 - HSR SK | 10,437.27 | 7,200.00 | 265.76 | 192.65 | 3.635 | CC, ES, SF |
| HSR-STUBBEN 11-26 offset - HSR-STUBBEN 11-26 - H | 10,184.59 | 7,123.14 | 3,247.57 | 3,178.72 | 47.167 | CC |
| HSR-STUBBEN 11-26 offset - HSR-STUBBEN 11-26 - H | 10,200.00 | 7,122.15 | 3,247.60 | 3,178.48 | 46.981 | ES |
| HSR-STUBBEN 11-26 offset - HSR-STUBBEN 11-26 - H | 11,837.41 | 7,045.97 | 3,642.94 | 3,542.53 | 36.284 | SF |
| HSR-TERRY 8-26 offset - HSR-TERRY 8-26 - HSR-TER | 8,926.17 | 7,219.13 | 388.68 | 340.52 | 8.071 | CC, ES |
| HSR-TERRY 8-26 offset - HSR-TERRY 8-26 - HSR-TER | 9,000.00 | 7,214.71 | 395.60 | 346.38 | 8.036 | SF |
| HSR-THOMPSON 2-26 offset - HSR-THOMPSON 2-26 - | 1,440.36 | 1,449.86 | 976.28 | 970.01 | 155.747 | CC, ES |
| HSR-THOMPSON 2-26 offset - HSR-THOMPSON 2-26 - | 8,600.00 | 7,260.71 | 1,488.00 | 1,444.19 | 33.968 | SF |
| J V SHIELDS GAS 1 offset - J V SHIELDS GAS 1 - J V S | 11,071.23 | 7,129.62 | 3,905.52 | 3,816.78 | 44.007 | CC |
| J V SHIELDS GAS 1 offset - J V SHIELDS GAS 1 - J V S | 11,100.00 | 7,128.01 | 3,905.63 | 3,816.35 | 43.749 | ES |
| J V SHIELDS GAS 1 offset - J V SHIELDS GAS 1 - J V S | 11,837.41 | 7,086.60 | 3,979.74 | 3,876.22 | 38.444 | SF |
| LEWIS CAMP-C 2 offset - LEWIS CAMP-C 2 - LEWIS C | 10,786.78 | 7,157.68 | 1,245.59 | 1,164.52 | 15.363 | CC |
| LEWIS CAMP-C 2 offset - LEWIS CAMP-C 2 - LEWIS C | 10,800.00 | 7,157.76 | 1,245.66 | 1,164.34 | 15.318 | ES |
| LEWIS CAMP-C 2 offset - LEWIS CAMP-C 2 - LEWIS C | 11,200.00 | 7,160.02 | 1,312.34 | 1,223.26 | 14.732 | SF |
| SHIELDS J V 2 offset - SHIELDS J V 2 - SHIELDS J V 2 | 1,334.16 | 1,285.45 | 3,571.32 | 3,565.60 | 624.597 | CC, ES |
| SHIELDS J V 2 offset - SHIELDS J V 2 - SHIELDS J V 2 | 11,837.41 | 6,971.04 | 5,204.12 | 5,101.05 | 50.490 | SF |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|---------|
| WELD_CAMP 5 PAD - ART 14-26 offset - ART 14-26 - ART 14-26 | | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Survey Program: 913-NS-GYRO-MS | | | | | | | | | | | | | | | |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -146.40 | -3,390.31 | -2,252.51 | 4,070.67 | | | | | | |
| 100.00 | 100.00 | 50.08 | 50.08 | 0.08 | 0.07 | -146.40 | -3,390.31 | -2,252.52 | 4,070.39 | 4,070.23 | 0.15 | N/A | | | |
| 200.00 | 200.00 | 148.26 | 148.26 | 0.31 | 0.20 | -146.40 | -3,390.33 | -2,252.57 | 4,070.43 | 4,069.92 | 0.51 | 8,043.955 | | | |
| 300.00 | 300.00 | 246.45 | 246.45 | 0.53 | 0.33 | -146.40 | -3,390.36 | -2,252.68 | 4,070.52 | 4,069.66 | 0.86 | 4,727.112 | | | |
| 400.00 | 400.00 | 344.63 | 344.63 | 0.76 | 0.46 | -146.40 | -3,390.42 | -2,252.83 | 4,070.65 | 4,069.44 | 1.22 | 3,347.088 | | | |
| 500.00 | 500.00 | 442.82 | 442.82 | 0.98 | 0.59 | -146.40 | -3,390.49 | -2,253.04 | 4,070.83 | 4,069.26 | 1.57 | 2,590.817 | | | |
| 600.00 | 600.00 | 541.01 | 541.01 | 1.21 | 0.72 | -146.39 | -3,390.58 | -2,253.31 | 4,071.06 | 4,069.13 | 1.93 | 2,113.373 | | | |
| 700.00 | 700.00 | 639.19 | 639.19 | 1.43 | 0.85 | -146.39 | -3,390.68 | -2,253.62 | 4,071.32 | 4,069.04 | 2.28 | 1,784.567 | | | |
| 800.00 | 800.00 | 737.38 | 737.38 | 1.66 | 0.98 | -146.39 | -3,390.81 | -2,253.99 | 4,071.64 | 4,069.00 | 2.64 | 1,544.344 | | | |
| 900.00 | 900.00 | 835.56 | 835.56 | 1.88 | 1.11 | -146.38 | -3,390.95 | -2,254.41 | 4,071.99 | 4,069.00 | 2.99 | 1,361.162 | | | |
| 1,000.00 | 1,000.00 | 934.35 | 934.35 | 2.11 | 1.27 | -146.38 | -3,391.10 | -2,254.89 | 4,072.39 | 4,069.02 | 3.37 | 1,207.247 | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|--------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 913-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 1,100.00 | 1,100.00 | 1,035.40 | 1,035.39 | 2.33 | 1.52 | -146.37 | -3,391.12 | -2,255.58 | 4,072.79 | 4,068.93 | 3.85 | 1,056.625 | | |
| 1,200.00 | 1,200.00 | 1,136.45 | 1,136.43 | 2.56 | 1.78 | -146.36 | -3,390.93 | -2,256.54 | 4,073.16 | 4,068.82 | 4.34 | 939.435 | | |
| 1,300.00 | 1,300.00 | 1,228.75 | 1,228.73 | 2.78 | 2.02 | -146.34 | -3,390.66 | -2,257.65 | 4,073.58 | 4,068.78 | 4.80 | 849.193 | | |
| 1,400.00 | 1,399.98 | 1,317.23 | 1,317.20 | 3.00 | 2.24 | 177.27 | -3,390.56 | -2,258.89 | 4,076.01 | 4,070.76 | 5.25 | 776.046 | | |
| 1,500.00 | 1,499.84 | 1,420.00 | 1,419.96 | 3.23 | 2.51 | 177.28 | -3,390.68 | -2,260.55 | 4,082.23 | 4,076.50 | 5.74 | 711.483 | | |
| 1,600.00 | 1,599.45 | 1,509.19 | 1,509.14 | 3.45 | 2.74 | 177.30 | -3,390.78 | -2,262.15 | 4,092.00 | 4,085.81 | 6.19 | 661.388 | | |
| 1,700.00 | 1,698.70 | 1,615.49 | 1,615.41 | 3.69 | 3.02 | 177.32 | -3,390.60 | -2,264.17 | 4,105.09 | 4,098.41 | 6.68 | 614.947 | | |
| 1,800.00 | 1,797.61 | 1,720.85 | 1,720.76 | 3.95 | 3.29 | 177.35 | -3,390.14 | -2,266.29 | 4,120.52 | 4,113.35 | 7.17 | 574.942 | | |
| 1,900.00 | 1,896.51 | 1,825.63 | 1,825.51 | 4.22 | 3.56 | 177.39 | -3,389.54 | -2,268.32 | 4,135.92 | 4,128.26 | 7.66 | 539.945 | | |
| 2,000.00 | 1,995.40 | 1,929.88 | 1,929.74 | 4.51 | 3.82 | 177.43 | -3,388.84 | -2,270.23 | 4,151.19 | 4,143.04 | 8.15 | 509.168 | | |
| 2,100.00 | 2,094.30 | 2,026.63 | 2,026.47 | 4.80 | 4.06 | 177.46 | -3,388.27 | -2,271.83 | 4,166.42 | 4,157.81 | 8.62 | 483.588 | | |
| 2,200.00 | 2,193.19 | 2,123.37 | 2,123.21 | 5.10 | 4.29 | 177.49 | -3,387.89 | -2,273.21 | 4,181.70 | 4,172.62 | 9.08 | 460.541 | | |
| 2,300.00 | 2,292.09 | 2,220.11 | 2,219.94 | 5.41 | 4.52 | 177.51 | -3,387.72 | -2,274.38 | 4,197.03 | 4,187.49 | 9.55 | 439.680 | | |
| 2,400.00 | 2,390.98 | 2,316.84 | 2,316.67 | 5.72 | 4.75 | 177.53 | -3,387.75 | -2,275.33 | 4,212.41 | 4,202.40 | 10.01 | 420.715 | | |
| 2,500.00 | 2,489.88 | 2,413.57 | 2,413.39 | 6.04 | 4.99 | 177.55 | -3,387.98 | -2,276.07 | 4,227.84 | 4,217.36 | 10.48 | 403.405 | | |
| 2,600.00 | 2,588.77 | 2,514.84 | 2,514.66 | 6.36 | 5.23 | 177.56 | -3,388.40 | -2,276.65 | 4,243.31 | 4,232.35 | 10.96 | 387.204 | | |
| 2,700.00 | 2,687.67 | 2,626.14 | 2,625.96 | 6.68 | 5.49 | 177.58 | -3,388.37 | -2,277.57 | 4,258.56 | 4,247.10 | 11.46 | 371.618 | | |
| 2,800.00 | 2,786.56 | 2,727.35 | 2,727.15 | 7.01 | 5.73 | 177.60 | -3,387.85 | -2,278.73 | 4,273.58 | 4,261.64 | 11.94 | 358.012 | | |
| 2,900.00 | 2,885.46 | 2,817.93 | 2,817.73 | 7.34 | 5.95 | 177.62 | -3,387.62 | -2,279.61 | 4,288.73 | 4,276.34 | 12.39 | 346.145 | | |
| 3,000.00 | 2,984.36 | 2,908.46 | 2,908.26 | 7.67 | 6.16 | 177.64 | -3,387.78 | -2,280.25 | 4,304.06 | 4,291.22 | 12.84 | 335.118 | | |
| 3,100.00 | 3,083.25 | 3,004.70 | 3,004.49 | 8.00 | 6.38 | 177.65 | -3,388.25 | -2,280.72 | 4,319.55 | 4,306.24 | 13.30 | 324.716 | | |
| 3,200.00 | 3,182.15 | 3,103.30 | 3,103.10 | 8.34 | 6.60 | 177.66 | -3,388.77 | -2,281.16 | 4,335.04 | 4,321.28 | 13.76 | 314.951 | | |
| 3,300.00 | 3,281.04 | 3,201.91 | 3,201.70 | 8.67 | 6.82 | 177.66 | -3,389.33 | -2,281.56 | 4,350.54 | 4,336.32 | 14.23 | 305.813 | | |
| 3,400.00 | 3,379.94 | 3,300.71 | 3,300.50 | 9.01 | 7.05 | 177.67 | -3,389.90 | -2,281.95 | 4,366.04 | 4,351.35 | 14.69 | 297.181 | | |
| 3,500.00 | 3,478.83 | 3,399.55 | 3,399.33 | 9.35 | 7.27 | 177.68 | -3,390.45 | -2,282.35 | 4,381.55 | 4,366.39 | 15.16 | 289.060 | | |
| 3,600.00 | 3,577.73 | 3,492.05 | 3,491.84 | 9.69 | 7.48 | 177.69 | -3,390.99 | -2,282.73 | 4,397.06 | 4,381.46 | 15.60 | 281.825 | | |
| 3,700.00 | 3,676.62 | 3,577.15 | 3,576.92 | 10.03 | 7.61 | 177.68 | -3,392.20 | -2,282.57 | 4,412.92 | 4,396.94 | 15.98 | 276.177 | | |
| 3,800.00 | 3,775.52 | 3,659.00 | 3,658.76 | 10.37 | 7.71 | 177.67 | -3,393.68 | -2,282.07 | 4,428.90 | 4,412.58 | 16.32 | 271.357 | | |
| 3,900.00 | 3,874.41 | 3,722.00 | 3,721.73 | 10.72 | 7.80 | 177.66 | -3,395.61 | -2,281.72 | 4,445.81 | 4,429.16 | 16.65 | 266.972 | | |
| 4,000.00 | 3,973.31 | 3,760.51 | 3,760.20 | 11.06 | 7.86 | 177.65 | -3,397.35 | -2,281.56 | 4,463.78 | 4,446.82 | 16.96 | 263.204 | | |
| 4,100.00 | 4,072.20 | 3,847.05 | 3,846.64 | 11.40 | 8.01 | 177.62 | -3,401.49 | -2,281.43 | 4,482.42 | 4,465.07 | 17.35 | 258.361 | | |
| 4,200.00 | 4,171.10 | 3,955.95 | 3,955.39 | 11.75 | 8.18 | 177.58 | -3,406.97 | -2,280.28 | 4,500.73 | 4,482.97 | 17.76 | 253.431 | | |
| 4,300.00 | 4,269.99 | 4,010.08 | 4,009.40 | 12.09 | 8.26 | 177.55 | -3,410.44 | -2,279.12 | 4,519.63 | 4,501.55 | 18.08 | 249.925 | | |
| 4,400.00 | 4,368.89 | 4,187.70 | 4,186.56 | 12.44 | 8.52 | 177.44 | -3,422.34 | -2,275.17 | 4,539.12 | 4,520.53 | 18.59 | 244.216 | | |
| 4,500.00 | 4,467.78 | 4,244.17 | 4,242.78 | 12.78 | 8.59 | 177.38 | -3,426.70 | -2,272.19 | 4,557.34 | 4,538.43 | 18.90 | 241.115 | | |
| 4,600.00 | 4,566.68 | 4,311.79 | 4,310.17 | 13.13 | 8.69 | 177.32 | -3,431.69 | -2,269.70 | 4,576.21 | 4,556.96 | 19.24 | 237.821 | | |
| 4,700.00 | 4,665.57 | 4,322.00 | 4,320.35 | 13.48 | 8.71 | 177.31 | -3,432.39 | -2,269.49 | 4,596.34 | 4,576.83 | 19.50 | 235.652 | | |
| 4,800.00 | 4,764.47 | 4,359.24 | 4,357.46 | 13.82 | 8.78 | 177.29 | -3,435.49 | -2,269.05 | 4,617.81 | 4,597.99 | 19.82 | 232.982 | | |
| 4,900.00 | 4,863.36 | 4,386.00 | 4,384.07 | 14.17 | 8.83 | 177.27 | -3,438.34 | -2,269.02 | 4,641.07 | 4,620.95 | 20.12 | 230.706 | | |
| 5,000.00 | 4,962.26 | 4,386.00 | 4,384.07 | 14.52 | 8.83 | 177.27 | -3,438.34 | -2,269.02 | 4,666.00 | 4,645.63 | 20.36 | 229.134 | | |
| 5,100.00 | 5,061.15 | 4,450.00 | 4,447.49 | 14.87 | 8.97 | 177.23 | -3,446.88 | -2,269.72 | 4,692.29 | 4,671.54 | 20.74 | 226.207 | | |
| 5,200.00 | 5,160.05 | 4,450.00 | 4,447.49 | 15.21 | 8.97 | 177.23 | -3,446.88 | -2,269.72 | 4,719.87 | 4,698.88 | 20.99 | 224.859 | | |
| 5,300.00 | 5,258.94 | 4,512.00 | 4,508.69 | 15.56 | 9.11 | 177.18 | -3,456.60 | -2,271.58 | 4,748.98 | 4,727.61 | 21.37 | 222.209 | | |
| 5,400.00 | 5,357.84 | 4,538.69 | 4,535.00 | 15.91 | 9.17 | 177.17 | -3,460.91 | -2,272.83 | 4,779.07 | 4,757.39 | 21.68 | 220.442 | | |
| 5,500.00 | 5,456.73 | 4,638.00 | 4,632.98 | 16.26 | 9.42 | 177.15 | -3,475.38 | -2,279.89 | 4,809.59 | 4,787.43 | 22.16 | 217.057 | | |
| 5,600.00 | 5,555.63 | 4,701.00 | 4,695.09 | 16.61 | 9.59 | 177.15 | -3,484.51 | -2,285.24 | 4,840.66 | 4,818.10 | 22.56 | 214.603 | | |
| 5,700.00 | 5,654.52 | 4,701.00 | 4,695.09 | 16.96 | 9.59 | 177.15 | -3,484.51 | -2,285.24 | 4,872.76 | 4,849.96 | 22.80 | 213.682 | | |
| 5,800.00 | 5,753.42 | 4,729.62 | 4,723.15 | 17.31 | 9.66 | 177.14 | -3,489.67 | -2,287.40 | 4,906.38 | 4,883.26 | 23.12 | 212.242 | | |
| 5,900.00 | 5,852.31 | 4,764.00 | 4,756.70 | 17.66 | 9.74 | 177.12 | -3,496.85 | -2,289.58 | 4,941.36 | 4,917.92 | 23.44 | 210.780 | | |
| 6,000.00 | 5,951.21 | 4,808.41 | 4,799.86 | 18.01 | 9.85 | 177.07 | -3,507.05 | -2,291.86 | 4,977.41 | 4,953.62 | 23.79 | 209.242 | | |
| 6,100.00 | 6,050.10 | 4,909.53 | 4,898.01 | 18.36 | 10.10 | 176.96 | -3,531.11 | -2,295.43 | 5,013.49 | 4,989.24 | 24.25 | 206.728 | | |
| 6,200.00 | 6,149.00 | 4,953.00 | 4,940.04 | 18.71 | 10.21 | 176.90 | -3,542.16 | -2,296.40 | 5,050.21 | 5,025.62 | 24.59 | 205.366 | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|--------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 913-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 6,300.00 | 6,247.89 | 5,801.00 | 5,769.11 | 19.06 | 12.17 | 175.70 | -3,709.53 | -2,274.97 | 5,077.25 | 5,050.67 | 26.59 | 190.976 | | |
| 6,400.00 | 6,346.79 | 5,801.00 | 5,769.11 | 19.41 | 12.17 | 175.70 | -3,709.53 | -2,274.97 | 5,101.29 | 5,074.45 | 26.83 | 190.103 | | |
| 6,500.00 | 6,445.68 | 5,832.00 | 5,799.69 | 19.76 | 12.24 | 175.66 | -3,714.36 | -2,273.31 | 5,126.69 | 5,099.54 | 27.15 | 188.844 | | |
| 6,600.00 | 6,544.58 | 5,832.00 | 5,799.69 | 20.11 | 12.24 | 175.66 | -3,714.36 | -2,273.31 | 5,153.79 | 5,126.39 | 27.40 | 188.120 | | |
| 6,700.00 | 6,643.53 | 5,864.00 | 5,830.98 | 20.44 | 12.32 | 162.15 | -3,720.80 | -2,271.53 | 5,181.97 | 5,154.23 | 27.73 | 186.843 | | |
| 6,800.00 | 6,743.00 | 5,864.00 | 5,830.98 | 20.62 | 12.32 | 72.97 | -3,720.80 | -2,271.53 | 5,201.23 | 5,173.32 | 27.91 | 186.360 | | |
| 6,900.00 | 6,840.75 | 5,895.00 | 5,861.11 | 20.64 | 12.39 | 48.94 | -3,727.93 | -2,270.07 | 5,207.24 | 5,179.73 | 27.52 | 189.232 | | |
| 7,000.00 | 6,933.82 | 5,927.00 | 5,892.19 | 20.54 | 12.48 | 42.75 | -3,735.49 | -2,269.03 | 5,199.59 | 5,173.03 | 26.57 | 195.718 | | |
| 7,100.00 | 7,019.36 | 5,958.00 | 5,922.25 | 20.31 | 12.56 | 41.03 | -3,743.01 | -2,268.32 | 5,178.41 | 5,153.18 | 25.24 | 205.169 | | |
| 7,200.00 | 7,094.79 | 5,990.00 | 5,953.15 | 20.01 | 12.65 | 41.54 | -3,751.33 | -2,267.77 | 5,144.51 | 5,120.64 | 23.87 | 215.528 | | |
| 7,300.00 | 7,157.81 | 6,013.63 | 5,975.87 | 19.66 | 12.71 | 43.77 | -3,757.79 | -2,267.35 | 5,098.59 | 5,075.69 | 22.90 | 222.615 | | |
| 7,400.00 | 7,206.51 | 6,117.00 | 6,075.44 | 19.29 | 13.00 | 48.45 | -3,785.51 | -2,265.69 | 5,041.04 | 5,017.76 | 23.28 | 216.532 | | |
| 7,500.00 | 7,239.40 | 6,137.10 | 6,094.82 | 18.94 | 13.05 | 54.82 | -3,790.84 | -2,265.63 | 4,974.21 | 4,949.56 | 24.65 | 201.813 | | |
| 7,600.00 | 7,255.49 | 6,160.31 | 6,117.17 | 18.63 | 13.12 | 63.92 | -3,797.10 | -2,265.56 | 4,900.16 | 4,873.06 | 27.10 | 180.850 | | |
| 7,700.00 | 7,256.04 | 6,179.00 | 6,135.16 | 18.39 | 13.17 | 70.37 | -3,802.16 | -2,265.58 | 4,821.46 | 4,792.72 | 28.74 | 167.758 | | |
| 7,800.00 | 7,253.91 | 6,194.83 | 6,150.40 | 18.51 | 13.22 | 70.65 | -3,806.47 | -2,265.60 | 4,742.70 | 4,713.49 | 29.21 | 162.373 | | |
| 7,900.00 | 7,251.78 | 6,210.00 | 6,164.98 | 19.20 | 13.26 | 70.92 | -3,810.65 | -2,265.59 | 4,664.67 | 4,634.81 | 29.86 | 156.220 | | |
| 8,000.00 | 7,249.65 | 6,210.00 | 6,164.98 | 20.08 | 13.26 | 70.92 | -3,810.65 | -2,265.59 | 4,587.45 | 4,556.86 | 30.59 | 149.982 | | |
| 8,100.00 | 7,247.53 | 6,210.00 | 6,164.98 | 21.07 | 13.26 | 70.92 | -3,810.65 | -2,265.59 | 4,511.13 | 4,479.66 | 31.46 | 143.380 | | |
| 8,200.00 | 7,245.40 | 6,233.47 | 6,187.48 | 22.17 | 13.33 | 71.34 | -3,817.29 | -2,265.62 | 4,435.53 | 4,402.91 | 32.62 | 135.983 | | |
| 8,300.00 | 7,243.27 | 6,241.35 | 6,195.03 | 23.36 | 13.35 | 71.48 | -3,819.58 | -2,265.66 | 4,360.97 | 4,327.18 | 33.79 | 129.071 | | |
| 8,400.00 | 7,241.14 | 6,249.47 | 6,202.79 | 24.64 | 13.38 | 71.62 | -3,821.97 | -2,265.72 | 4,287.39 | 4,252.34 | 35.05 | 122.311 | | |
| 8,500.00 | 7,239.01 | 6,272.00 | 6,224.27 | 25.98 | 13.44 | 72.03 | -3,828.77 | -2,265.97 | 4,214.93 | 4,178.43 | 36.49 | 115.493 | | |
| 8,600.00 | 7,236.89 | 6,272.00 | 6,224.27 | 27.39 | 13.44 | 72.03 | -3,828.77 | -2,265.97 | 4,143.41 | 4,105.55 | 37.86 | 109.447 | | |
| 8,700.00 | 7,234.76 | 6,272.00 | 6,224.27 | 28.85 | 13.44 | 72.03 | -3,828.77 | -2,265.97 | 4,073.08 | 4,033.81 | 39.28 | 103.701 | | |
| 8,800.00 | 7,232.63 | 6,272.00 | 6,224.27 | 30.36 | 13.44 | 72.03 | -3,828.77 | -2,265.97 | 4,004.02 | 3,963.28 | 40.74 | 98.270 | | |
| 8,900.00 | 7,230.50 | 6,290.47 | 6,241.83 | 31.91 | 13.50 | 72.36 | -3,834.49 | -2,266.33 | 3,936.13 | 3,893.75 | 42.38 | 92.868 | | |
| 9,000.00 | 7,228.38 | 6,304.00 | 6,254.66 | 33.49 | 13.54 | 72.60 | -3,838.75 | -2,266.73 | 3,869.64 | 3,825.62 | 44.03 | 87.893 | | |
| 9,100.00 | 7,226.25 | 6,318.29 | 6,268.20 | 35.11 | 13.59 | 72.86 | -3,843.30 | -2,267.19 | 3,804.51 | 3,758.81 | 45.71 | 83.235 | | |
| 9,200.00 | 7,224.12 | 6,382.50 | 6,329.07 | 36.75 | 13.78 | 74.03 | -3,863.65 | -2,268.87 | 3,740.57 | 3,692.79 | 47.78 | 78.284 | | |
| 9,300.00 | 7,221.99 | 6,462.00 | 6,404.93 | 38.41 | 14.02 | 75.51 | -3,887.31 | -2,271.23 | 3,677.71 | 3,627.72 | 49.99 | 73.567 | | |
| 9,400.00 | 7,219.86 | 6,478.22 | 6,420.44 | 40.10 | 14.07 | 75.81 | -3,892.04 | -2,271.66 | 3,616.12 | 3,564.35 | 51.77 | 69.848 | | |
| 9,500.00 | 7,217.74 | 6,495.20 | 6,436.66 | 41.80 | 14.13 | 76.13 | -3,897.03 | -2,272.16 | 3,556.16 | 3,502.58 | 53.58 | 66.375 | | |
| 9,600.00 | 7,215.61 | 6,594.63 | 6,532.03 | 43.53 | 14.43 | 78.02 | -3,925.02 | -2,274.91 | 3,497.57 | 3,441.58 | 55.98 | 62.475 | | |
| 9,700.00 | 7,213.48 | 6,620.90 | 6,557.29 | 45.26 | 14.51 | 78.52 | -3,932.22 | -2,275.44 | 3,440.43 | 3,382.43 | 58.00 | 59.321 | | |
| 9,800.00 | 7,211.35 | 6,695.69 | 6,629.33 | 47.01 | 14.73 | 79.96 | -3,952.30 | -2,276.54 | 3,384.84 | 3,324.34 | 60.51 | 55.943 | | |
| 9,900.00 | 7,209.22 | 6,747.00 | 6,679.03 | 48.77 | 14.89 | 80.96 | -3,965.01 | -2,277.34 | 3,330.92 | 3,268.12 | 62.81 | 53.036 | | |
| 10,000.00 | 7,207.10 | 6,766.49 | 6,697.95 | 50.54 | 14.95 | 81.34 | -3,969.68 | -2,277.66 | 3,278.93 | 3,214.10 | 64.83 | 50.575 | | |
| 10,100.00 | 7,204.97 | 6,778.00 | 6,709.11 | 52.32 | 14.98 | 81.57 | -3,972.49 | -2,277.83 | 3,229.10 | 3,162.30 | 66.80 | 48.339 | | |
| 10,200.00 | 7,202.84 | 6,778.00 | 6,709.11 | 54.11 | 14.98 | 81.57 | -3,972.49 | -2,277.83 | 3,181.61 | 3,112.93 | 68.68 | 46.327 | | |
| 10,300.00 | 7,200.71 | 6,778.00 | 6,709.11 | 55.91 | 14.98 | 81.57 | -3,972.49 | -2,277.83 | 3,136.58 | 3,066.02 | 70.56 | 44.453 | | |
| 10,400.00 | 7,198.59 | 6,778.00 | 6,709.11 | 57.72 | 14.98 | 81.57 | -3,972.49 | -2,277.83 | 3,094.13 | 3,021.68 | 72.45 | 42.709 | | |
| 10,500.00 | 7,196.46 | 6,778.00 | 6,709.11 | 59.53 | 14.98 | 81.57 | -3,972.49 | -2,277.83 | 3,054.37 | 2,980.03 | 74.34 | 41.085 | | |
| 10,600.00 | 7,194.33 | 6,778.00 | 6,709.11 | 61.34 | 14.98 | 81.57 | -3,972.49 | -2,277.83 | 3,017.40 | 2,941.16 | 76.24 | 39.577 | | |
| 10,700.00 | 7,192.20 | 6,778.00 | 6,709.11 | 63.17 | 14.98 | 81.57 | -3,972.49 | -2,277.83 | 2,983.32 | 2,905.17 | 78.15 | 38.176 | | |
| 10,800.00 | 7,190.07 | 6,778.00 | 6,709.11 | 64.99 | 14.98 | 81.57 | -3,972.49 | -2,277.83 | 2,952.24 | 2,872.19 | 80.06 | 36.878 | | |
| 10,900.00 | 7,187.95 | 6,778.00 | 6,709.11 | 66.83 | 14.98 | 81.57 | -3,972.49 | -2,277.83 | 2,924.25 | 2,842.28 | 81.97 | 35.675 | | |
| 11,000.00 | 7,185.82 | 7,069.69 | 6,925.54 | 68.66 | 15.77 | 86.00 | -4,057.77 | -2,280.94 | 2,899.36 | 2,813.43 | 85.93 | 33.741 | | |
| 11,100.00 | 7,183.69 | 7,088.66 | 6,944.23 | 70.50 | 15.82 | 86.38 | -4,060.96 | -2,281.49 | 2,874.96 | 2,786.95 | 88.01 | 32.668 | | |
| 11,200.00 | 7,181.56 | 7,106.88 | 6,962.20 | 72.35 | 15.87 | 86.75 | -4,063.95 | -2,282.00 | 2,853.76 | 2,763.68 | 90.08 | 31.681 | | |
| 11,300.00 | 7,179.44 | 7,124.58 | 6,979.66 | 74.19 | 15.92 | 87.11 | -4,066.81 | -2,282.49 | 2,835.84 | 2,743.69 | 92.15 | 30.774 | | |
| 11,400.00 | 7,177.31 | 7,136.52 | 6,991.45 | 76.04 | 15.96 | 87.35 | -4,068.69 | -2,282.81 | 2,821.28 | 2,727.10 | 94.18 | 29.957 | | |

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

Anadarko Petroleum Corp
Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | WELD_CAMP 5 PAD - ART 14-26 offset - ART 14-26 - ART 14-26 | Offset Site Error: | 0.00 ft |
|--------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|--|--------------------|---------|
| Survey Program: 913-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | | Separation Factor | |
| 11,500.00 | 7,175.18 | 7,146.93 | 7,001.73 | 77.90 | 15.99 | 87.57 | -4,070.29 | -2,283.12 | 2,810.16 | 2,713.96 | 96.20 | 29.212 | | |
| 11,600.00 | 7,173.05 | 7,159.00 | 7,013.66 | 79.75 | 16.02 | 87.81 | -4,072.08 | -2,283.49 | 2,802.51 | 2,704.28 | 98.23 | 28.529 | | |
| 11,700.00 | 7,170.92 | 7,166.60 | 7,021.18 | 81.61 | 16.04 | 87.96 | -4,073.19 | -2,283.73 | 2,798.38 | 2,698.14 | 100.24 | 27.917 | | |
| 11,767.25 | 7,169.49 | 7,173.24 | 7,027.74 | 82.86 | 16.06 | 88.10 | -4,074.14 | -2,283.95 | 2,797.58 | 2,695.95 | 101.63 | 27.528 CC | | |
| 11,800.00 | 7,168.80 | 7,176.42 | 7,030.88 | 83.47 | 16.07 | 88.16 | -4,074.60 | -2,284.05 | 2,797.77 | 2,695.51 | 102.26 | 27.359 | | |
| 11,837.41 | 7,168.00 | 7,180.01 | 7,034.44 | 84.17 | 16.08 | 88.24 | -4,075.11 | -2,284.17 | 2,798.45 | 2,695.43 | 103.02 | 27.165 ES, SF | | |

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|-----------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Reference | | | | Offset | | Semi Major Axis | | | Distance | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -112.83 | -1,506.07 | -3,577.54 | 3,882.24 | | | | | |
| 100.00 | 100.00 | 65.38 | 65.37 | 0.08 | 0.07 | -112.82 | -1,505.32 | -3,577.54 | 3,881.49 | 3,881.33 | 0.16 | N/A | | |
| 200.00 | 200.00 | 183.52 | 183.45 | 0.31 | 0.31 | -112.77 | -1,501.41 | -3,577.54 | 3,880.18 | 3,879.56 | 0.61 | 6,327.474 | | |
| 300.00 | 300.00 | 283.46 | 283.33 | 0.53 | 0.54 | -112.72 | -1,497.92 | -3,577.54 | 3,878.83 | 3,877.76 | 1.07 | 3,639.484 | | |
| 400.00 | 400.00 | 383.40 | 383.20 | 0.76 | 0.77 | -112.67 | -1,494.43 | -3,577.54 | 3,877.48 | 3,875.96 | 1.52 | 2,553.682 | | |
| 500.00 | 500.00 | 483.34 | 483.08 | 0.98 | 1.00 | -112.62 | -1,490.94 | -3,577.54 | 3,876.13 | 3,874.16 | 1.97 | 1,966.482 | | |
| 600.00 | 600.00 | 583.28 | 582.96 | 1.21 | 1.24 | -112.58 | -1,487.46 | -3,577.54 | 3,874.79 | 3,872.37 | 2.42 | 1,598.576 | | |
| 700.00 | 700.00 | 683.22 | 682.84 | 1.43 | 1.47 | -112.53 | -1,483.97 | -3,577.54 | 3,873.45 | 3,870.58 | 2.88 | 1,346.448 | | |
| 800.00 | 800.00 | 783.15 | 782.72 | 1.66 | 1.70 | -112.48 | -1,480.48 | -3,577.54 | 3,872.12 | 3,868.79 | 3.33 | 1,162.877 | | |
| 900.00 | 900.00 | 883.09 | 882.60 | 1.88 | 1.93 | -112.43 | -1,476.99 | -3,577.54 | 3,870.78 | 3,867.00 | 3.78 | 1,023.248 | | |
| 1,000.00 | 1,000.00 | 983.03 | 982.47 | 2.11 | 2.16 | -112.39 | -1,473.51 | -3,577.54 | 3,869.45 | 3,865.21 | 4.24 | 913.470 | | |
| 1,100.00 | 1,100.00 | 1,082.97 | 1,082.35 | 2.33 | 2.39 | -112.34 | -1,470.02 | -3,577.54 | 3,868.12 | 3,863.43 | 4.69 | 824.894 | | |
| 1,200.00 | 1,200.00 | 1,182.91 | 1,182.23 | 2.56 | 2.63 | -112.29 | -1,466.53 | -3,577.54 | 3,866.79 | 3,861.65 | 5.14 | 751.919 | | |
| 1,300.00 | 1,300.00 | 1,282.85 | 1,282.11 | 2.78 | 2.86 | -112.24 | -1,463.04 | -3,577.54 | 3,865.47 | 3,859.88 | 5.60 | 690.758 | | |
| 1,344.33 | 1,344.33 | 1,327.16 | 1,326.39 | 2.88 | 2.96 | -148.63 | -1,461.50 | -3,577.54 | 3,865.18 | 3,859.35 | 5.83 | 662.630 CC, ES | | |
| 1,400.00 | 1,399.98 | 1,382.82 | 1,382.02 | 3.00 | 3.09 | -148.61 | -1,459.55 | -3,577.54 | 3,865.64 | 3,859.56 | 6.08 | 635.460 | | |
| 1,500.00 | 1,499.84 | 1,482.76 | 1,481.90 | 3.23 | 3.32 | -148.57 | -1,456.07 | -3,577.54 | 3,868.79 | 3,862.26 | 6.52 | 592.926 | | |
| 1,600.00 | 1,599.45 | 1,582.56 | 1,581.64 | 3.45 | 3.55 | -148.53 | -1,452.58 | -3,577.53 | 3,874.91 | 3,867.95 | 6.96 | 556.485 | | |
| 1,700.00 | 1,698.70 | 1,682.09 | 1,681.11 | 3.69 | 3.78 | -148.48 | -1,449.11 | -3,577.53 | 3,884.01 | 3,876.61 | 7.40 | 524.973 | | |
| 1,800.00 | 1,797.61 | 1,781.36 | 1,780.31 | 3.95 | 4.01 | -148.51 | -1,445.64 | -3,577.53 | 3,895.26 | 3,887.41 | 7.85 | 496.083 | | |
| 1,900.00 | 1,896.51 | 1,880.61 | 1,879.50 | 4.22 | 4.24 | -148.58 | -1,442.18 | -3,577.53 | 3,906.62 | 3,898.30 | 8.32 | 469.696 | | |
| 2,000.00 | 1,995.40 | 1,979.86 | 1,978.69 | 4.51 | 4.47 | -148.64 | -1,438.72 | -3,577.53 | 3,917.99 | 3,909.20 | 8.79 | 445.861 | | |
| 2,100.00 | 2,094.30 | 2,079.11 | 2,077.88 | 4.80 | 4.70 | -148.71 | -1,435.25 | -3,577.53 | 3,929.36 | 3,920.10 | 9.26 | 424.263 | | |
| 2,200.00 | 2,193.19 | 2,178.36 | 2,177.08 | 5.10 | 4.93 | -148.77 | -1,431.79 | -3,577.53 | 3,940.73 | 3,930.99 | 9.74 | 404.630 | | |
| 2,300.00 | 2,292.09 | 2,277.61 | 2,276.27 | 5.41 | 5.16 | -148.84 | -1,428.33 | -3,577.53 | 3,952.11 | 3,941.89 | 10.22 | 386.724 | | |
| 2,400.00 | 2,390.98 | 2,376.86 | 2,375.46 | 5.72 | 5.39 | -148.90 | -1,424.86 | -3,577.53 | 3,963.50 | 3,952.80 | 10.70 | 370.344 | | |
| 2,500.00 | 2,489.88 | 2,476.12 | 2,474.65 | 6.04 | 5.62 | -148.97 | -1,421.40 | -3,577.53 | 3,974.89 | 3,963.70 | 11.19 | 355.313 | | |
| 2,600.00 | 2,588.77 | 2,575.37 | 2,573.84 | 6.36 | 5.85 | -149.03 | -1,417.93 | -3,577.53 | 3,986.29 | 3,974.61 | 11.67 | 341.480 | | |
| 2,700.00 | 2,687.67 | 2,674.62 | 2,673.03 | 6.68 | 6.08 | -149.09 | -1,414.47 | -3,577.53 | 3,997.69 | 3,985.53 | 12.16 | 328.715 | | |
| 2,800.00 | 2,786.56 | 2,773.87 | 2,772.22 | 7.01 | 6.31 | -149.16 | -1,411.01 | -3,577.53 | 4,009.09 | 3,996.44 | 12.65 | 316.902 | | |
| 2,900.00 | 2,885.46 | 2,873.12 | 2,871.41 | 7.34 | 6.55 | -149.22 | -1,407.54 | -3,577.53 | 4,020.50 | 4,007.36 | 13.14 | 305.944 | | |
| 3,000.00 | 2,984.36 | 2,972.37 | 2,970.60 | 7.67 | 6.78 | -149.28 | -1,404.08 | -3,577.53 | 4,031.92 | 4,018.28 | 13.63 | 295.753 | | |
| 3,100.00 | 3,083.25 | 3,071.62 | 3,069.79 | 8.00 | 7.01 | -149.34 | -1,400.61 | -3,577.53 | 4,043.34 | 4,029.21 | 14.12 | 286.256 | | |
| 3,200.00 | 3,182.15 | 3,170.87 | 3,168.98 | 8.34 | 7.24 | -149.41 | -1,397.15 | -3,577.53 | 4,054.76 | 4,040.14 | 14.62 | 277.384 | | |
| 3,300.00 | 3,281.04 | 3,270.13 | 3,268.17 | 8.67 | 7.47 | -149.47 | -1,393.69 | -3,577.53 | 4,066.19 | 4,051.08 | 15.11 | 269.081 | | |
| 3,400.00 | 3,379.94 | 3,369.38 | 3,367.37 | 9.01 | 7.70 | -149.53 | -1,390.22 | -3,577.53 | 4,077.62 | 4,062.02 | 15.61 | 261.294 | | |
| 3,500.00 | 3,478.83 | 3,468.63 | 3,466.56 | 9.35 | 7.93 | -149.59 | -1,386.76 | -3,577.53 | 4,089.06 | 4,072.96 | 16.10 | 253.978 | | |
| 3,600.00 | 3,577.73 | 3,567.88 | 3,565.75 | 9.69 | 8.16 | -149.65 | -1,383.30 | -3,577.52 | 4,100.50 | 4,083.91 | 16.59 | 247.093 | | |
| 3,700.00 | 3,676.62 | 3,667.13 | 3,664.94 | 10.03 | 8.39 | -149.71 | -1,379.83 | -3,577.52 | 4,111.95 | 4,094.86 | 17.09 | 240.601 | | |
| 3,800.00 | 3,775.52 | 3,766.38 | 3,764.13 | 10.37 | 8.62 | -149.77 | -1,376.37 | -3,577.52 | 4,123.40 | 4,105.81 | 17.59 | 234.471 | | |
| 3,900.00 | 3,874.41 | 3,865.63 | 3,863.32 | 10.72 | 8.85 | -149.83 | -1,372.90 | -3,577.52 | 4,134.85 | 4,116.77 | 18.08 | 228.675 | | |
| 4,000.00 | 3,973.31 | 3,964.89 | 3,962.51 | 11.06 | 9.08 | -149.89 | -1,369.44 | -3,577.52 | 4,146.31 | 4,127.74 | 18.58 | 223.185 | | |
| 4,100.00 | 4,072.20 | 4,064.14 | 4,061.70 | 11.40 | 9.31 | -149.94 | -1,365.98 | -3,577.52 | 4,157.78 | 4,138.70 | 19.07 | 217.979 | | |
| 4,200.00 | 4,171.10 | 4,163.39 | 4,160.89 | 11.75 | 9.54 | -150.00 | -1,362.51 | -3,577.52 | 4,169.25 | 4,149.68 | 19.57 | 213.035 | | |
| 4,300.00 | 4,269.99 | 4,262.64 | 4,260.08 | 12.09 | 9.77 | -150.06 | -1,359.05 | -3,577.52 | 4,180.72 | 4,160.65 | 20.07 | 208.335 | | |
| 4,400.00 | 4,368.89 | 4,361.89 | 4,359.27 | 12.44 | 10.00 | -150.12 | -1,355.58 | -3,577.52 | 4,192.20 | 4,171.63 | 20.56 | 203.861 | | |
| 4,500.00 | 4,467.78 | 4,461.14 | 4,458.46 | 12.78 | 10.23 | -150.17 | -1,352.12 | -3,577.52 | 4,203.68 | 4,182.62 | 21.06 | 199.598 | | |
| 4,600.00 | 4,566.68 | 4,560.39 | 4,557.66 | 13.13 | 10.46 | -150.23 | -1,348.66 | -3,577.52 | 4,215.16 | 4,193.60 | 21.56 | 195.530 | | |
| 4,700.00 | 4,665.57 | 4,659.64 | 4,656.85 | 13.48 | 10.69 | -150.29 | -1,345.19 | -3,577.52 | 4,226.65 | 4,204.60 | 22.05 | 191.645 | | |
| 4,800.00 | 4,764.47 | 4,758.90 | 4,756.04 | 13.82 | 10.92 | -150.34 | -1,341.73 | -3,577.52 | 4,238.14 | 4,215.59 | 22.55 | 187.932 | | |
| 4,900.00 | 4,863.36 | 4,858.15 | 4,855.23 | 14.17 | 11.15 | -150.40 | -1,338.27 | -3,577.52 | 4,249.64 | 4,226.59 | 23.05 | 184.378 | | |
| 5,000.00 | 4,962.26 | 4,957.40 | 4,954.42 | 14.52 | 11.38 | -150.46 | -1,334.80 | -3,577.52 | 4,261.14 | 4,237.60 | 23.55 | 180.975 | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|-----------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | | | Offset | | | Semi Major Axis | | | Distance | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | |
| 5,100.00 | 5,061.15 | 5,056.65 | 5,053.61 | 14.87 | 11.61 | -150.51 | -1,331.34 | -3,577.52 | 4,272.65 | 4,248.60 | 24.04 | 177.712 | | | |
| 5,200.00 | 5,160.05 | 5,155.90 | 5,152.80 | 15.21 | 11.84 | -150.57 | -1,327.87 | -3,577.52 | 4,284.16 | 4,259.62 | 24.54 | 174.582 | | | |
| 5,300.00 | 5,258.94 | 5,255.15 | 5,251.99 | 15.56 | 12.07 | -150.62 | -1,324.41 | -3,577.52 | 4,295.67 | 4,270.63 | 25.04 | 171.576 | | | |
| 5,400.00 | 5,357.84 | 5,354.40 | 5,351.18 | 15.91 | 12.30 | -150.68 | -1,320.95 | -3,577.52 | 4,307.19 | 4,281.65 | 25.53 | 168.688 | | | |
| 5,500.00 | 5,456.73 | 5,453.65 | 5,450.37 | 16.26 | 12.53 | -150.73 | -1,317.48 | -3,577.52 | 4,318.71 | 4,292.68 | 26.03 | 165.910 | | | |
| 5,600.00 | 5,555.63 | 5,552.91 | 5,549.56 | 16.61 | 12.76 | -150.78 | -1,314.02 | -3,577.51 | 4,330.23 | 4,303.70 | 26.53 | 163.237 | | | |
| 5,700.00 | 5,654.52 | 5,652.16 | 5,648.75 | 16.96 | 12.99 | -150.84 | -1,310.56 | -3,577.51 | 4,341.76 | 4,314.73 | 27.02 | 160.662 | | | |
| 5,800.00 | 5,753.42 | 5,751.41 | 5,747.94 | 17.31 | 13.22 | -150.89 | -1,307.09 | -3,577.51 | 4,353.29 | 4,325.77 | 27.52 | 158.181 | | | |
| 5,900.00 | 5,852.31 | 5,850.66 | 5,847.14 | 17.66 | 13.45 | -150.94 | -1,303.63 | -3,577.51 | 4,364.83 | 4,336.81 | 28.02 | 155.788 | | | |
| 6,000.00 | 5,951.21 | 5,949.91 | 5,946.33 | 18.01 | 13.68 | -151.00 | -1,300.16 | -3,577.51 | 4,376.37 | 4,347.85 | 28.51 | 153.480 | | | |
| 6,100.00 | 6,050.10 | 6,049.16 | 6,045.52 | 18.36 | 13.91 | -151.05 | -1,296.70 | -3,577.51 | 4,387.91 | 4,358.90 | 29.01 | 151.250 | | | |
| 6,200.00 | 6,149.00 | 6,148.41 | 6,144.71 | 18.71 | 14.14 | -151.10 | -1,293.24 | -3,577.51 | 4,399.46 | 4,369.95 | 29.51 | 149.096 | | | |
| 6,300.00 | 6,247.89 | 6,247.66 | 6,243.90 | 19.06 | 14.37 | -151.15 | -1,289.77 | -3,577.51 | 4,411.01 | 4,381.00 | 30.00 | 147.014 | | | |
| 6,400.00 | 6,346.79 | 6,346.92 | 6,343.09 | 19.41 | 14.60 | -151.21 | -1,286.31 | -3,577.51 | 4,422.56 | 4,392.06 | 30.50 | 145.000 | | | |
| 6,500.00 | 6,445.68 | 6,446.17 | 6,442.28 | 19.76 | 14.83 | -151.26 | -1,282.84 | -3,577.51 | 4,434.12 | 4,403.12 | 31.00 | 143.051 | | | |
| 6,600.00 | 6,544.58 | 6,545.42 | 6,541.47 | 20.11 | 15.06 | -151.31 | -1,279.38 | -3,577.51 | 4,445.68 | 4,414.18 | 31.49 | 141.164 | | | |
| 6,700.00 | 6,643.53 | 6,644.71 | 6,640.70 | 20.44 | 15.29 | -164.67 | -1,275.92 | -3,577.51 | 4,457.01 | 4,425.01 | 31.99 | 139.303 | | | |
| 6,800.00 | 6,743.00 | 6,744.08 | 6,740.01 | 20.62 | 15.52 | 106.73 | -1,272.45 | -3,577.51 | 4,463.06 | 4,430.67 | 32.39 | 137.782 | | | |
| 6,900.00 | 6,840.75 | 6,841.12 | 6,837.00 | 20.64 | 15.74 | 83.42 | -1,269.06 | -3,577.51 | 4,461.77 | 4,429.14 | 32.63 | 136.738 | | | |
| 7,000.00 | 6,933.82 | 6,932.90 | 6,928.72 | 20.54 | 15.96 | 78.02 | -1,265.86 | -3,577.51 | 4,453.40 | 4,420.64 | 32.76 | 135.959 | | | |
| 7,100.00 | 7,019.36 | 7,016.61 | 7,012.38 | 20.31 | 16.15 | 77.05 | -1,262.94 | -3,577.51 | 4,438.58 | 4,405.73 | 32.85 | 135.100 | | | |
| 7,200.00 | 7,094.79 | 7,089.72 | 7,085.44 | 20.01 | 16.32 | 78.05 | -1,260.38 | -3,577.51 | 4,418.23 | 4,385.22 | 33.00 | 133.868 | | | |
| 7,300.00 | 7,157.81 | 7,150.01 | 7,145.69 | 19.66 | 16.46 | 80.17 | -1,258.28 | -3,577.51 | 4,393.47 | 4,360.23 | 33.24 | 132.181 | | | |
| 7,400.00 | 7,206.51 | 7,195.64 | 7,191.29 | 19.29 | 16.57 | 82.96 | -1,256.69 | -3,577.51 | 4,365.54 | 4,332.01 | 33.53 | 130.191 | | | |
| 7,500.00 | 7,239.40 | 7,225.22 | 7,220.86 | 18.94 | 16.63 | 86.09 | -1,255.66 | -3,577.51 | 4,335.73 | 4,301.90 | 33.84 | 128.138 | | | |
| 7,600.00 | 7,255.49 | 7,237.87 | 7,233.50 | 18.63 | 16.66 | 89.28 | -1,255.21 | -3,577.51 | 4,305.25 | 4,271.13 | 34.12 | 126.167 | | | |
| 7,700.00 | 7,256.04 | 7,234.92 | 7,230.55 | 18.39 | 16.66 | 90.98 | -1,255.32 | -3,577.51 | 4,275.28 | 4,240.89 | 34.40 | 124.295 | | | |
| 7,800.00 | 7,253.91 | 7,229.30 | 7,224.94 | 18.51 | 16.64 | 90.90 | -1,255.51 | -3,577.51 | 4,247.25 | 4,212.45 | 34.80 | 122.051 | | | |
| 7,900.00 | 7,251.78 | 7,223.69 | 7,219.33 | 19.20 | 16.63 | 90.82 | -1,255.71 | -3,577.51 | 4,221.40 | 4,186.01 | 35.39 | 119.290 | | | |
| 8,000.00 | 7,249.65 | 7,218.07 | 7,213.72 | 20.08 | 16.62 | 90.75 | -1,255.91 | -3,577.51 | 4,197.76 | 4,161.60 | 36.16 | 116.087 | | | |
| 8,100.00 | 7,247.53 | 7,212.46 | 7,208.10 | 21.07 | 16.61 | 90.67 | -1,256.10 | -3,577.51 | 4,176.37 | 4,139.22 | 37.16 | 112.402 | | | |
| 8,200.00 | 7,245.40 | 7,206.84 | 7,202.49 | 22.17 | 16.59 | 90.59 | -1,256.30 | -3,577.51 | 4,157.27 | 4,118.99 | 38.28 | 108.598 | | | |
| 8,300.00 | 7,243.27 | 7,201.23 | 7,196.88 | 23.36 | 16.58 | 90.51 | -1,256.49 | -3,577.51 | 4,140.50 | 4,100.98 | 39.52 | 104.771 | | | |
| 8,400.00 | 7,241.14 | 7,195.61 | 7,191.27 | 24.64 | 16.57 | 90.43 | -1,256.69 | -3,577.51 | 4,126.07 | 4,085.22 | 40.85 | 100.997 | | | |
| 8,500.00 | 7,239.01 | 7,189.99 | 7,185.65 | 25.98 | 16.55 | 90.35 | -1,256.89 | -3,577.51 | 4,114.01 | 4,071.74 | 42.27 | 97.329 | | | |
| 8,600.00 | 7,236.89 | 7,184.38 | 7,180.04 | 27.39 | 16.54 | 90.27 | -1,257.08 | -3,577.51 | 4,104.35 | 4,060.60 | 43.75 | 93.805 | | | |
| 8,700.00 | 7,234.76 | 7,178.76 | 7,174.43 | 28.85 | 16.53 | 90.20 | -1,257.28 | -3,577.51 | 4,097.10 | 4,051.80 | 45.30 | 90.449 | | | |
| 8,800.00 | 7,232.63 | 7,173.15 | 7,168.82 | 30.36 | 16.51 | 90.12 | -1,257.47 | -3,577.51 | 4,092.27 | 4,045.38 | 46.89 | 87.272 | | | |
| 8,900.00 | 7,230.50 | 7,167.53 | 7,163.21 | 31.91 | 16.50 | 90.04 | -1,257.67 | -3,577.51 | 4,089.88 | 4,041.35 | 48.53 | 84.279 | | | |
| 8,948.26 | 7,229.48 | 7,164.82 | 7,160.50 | 32.67 | 16.49 | 90.00 | -1,257.76 | -3,577.51 | 4,089.60 | 4,040.22 | 49.38 | 82.817 | | | |
| 9,000.00 | 7,228.38 | 7,161.92 | 7,157.59 | 33.49 | 16.49 | 89.96 | -1,257.87 | -3,577.51 | 4,089.92 | 4,039.72 | 50.20 | 81.471 | | | |
| 9,100.00 | 7,226.25 | 7,156.30 | 7,151.98 | 35.11 | 16.48 | 89.88 | -1,258.06 | -3,577.51 | 4,092.40 | 4,040.50 | 51.91 | 78.843 | | | |
| 9,200.00 | 7,224.12 | 7,150.68 | 7,146.37 | 36.75 | 16.46 | 89.80 | -1,258.26 | -3,577.51 | 4,097.31 | 4,043.67 | 53.64 | 76.389 | | | |
| 9,300.00 | 7,221.99 | 7,145.07 | 7,140.76 | 38.41 | 16.45 | 89.72 | -1,258.45 | -3,577.51 | 4,104.65 | 4,049.25 | 55.39 | 74.100 | | | |
| 9,400.00 | 7,219.86 | 7,139.45 | 7,135.14 | 40.10 | 16.44 | 89.65 | -1,258.65 | -3,577.51 | 4,114.39 | 4,057.22 | 57.17 | 71.969 | | | |
| 9,500.00 | 7,217.74 | 7,133.84 | 7,129.53 | 41.80 | 16.42 | 89.57 | -1,258.85 | -3,577.51 | 4,126.53 | 4,067.57 | 58.96 | 69.985 | | | |
| 9,600.00 | 7,215.61 | 7,128.22 | 7,123.92 | 43.53 | 16.41 | 89.49 | -1,259.04 | -3,577.51 | 4,141.04 | 4,080.27 | 60.77 | 68.139 | | | |
| 9,700.00 | 7,213.48 | 7,122.61 | 7,118.31 | 45.26 | 16.40 | 89.41 | -1,259.24 | -3,577.51 | 4,157.90 | 4,095.30 | 62.60 | 66.423 | | | |
| 9,800.00 | 7,211.35 | 7,116.99 | 7,112.69 | 47.01 | 16.38 | 89.33 | -1,259.43 | -3,577.51 | 4,177.08 | 4,112.64 | 64.43 | 64.828 | | | |
| 9,900.00 | 7,209.22 | 7,111.37 | 7,107.08 | 48.77 | 16.37 | 89.25 | -1,259.63 | -3,577.51 | 4,198.54 | 4,132.26 | 66.28 | 63.345 | | | |
| 10,000.00 | 7,207.10 | 7,105.76 | 7,101.47 | 50.54 | 16.36 | 89.17 | -1,259.83 | -3,577.51 | 4,222.26 | 4,154.12 | 68.14 | 61.967 | | | |
| 10,100.00 | 7,204.97 | 7,100.14 | 7,095.86 | 52.32 | 16.34 | 89.10 | -1,260.02 | -3,577.51 | 4,248.19 | 4,178.19 | 70.00 | 60.686 | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|-----------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|--------------------|-------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | | | Offset | | Semi Major Axis | | Distance | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | | Separation Factor | |
| 10,200.00 | 7,202.84 | 7,094.53 | 7,090.25 | 54.11 | 16.33 | 89.02 | -1,260.22 | -3,577.51 | 4,276.30 | 4,204.42 | 71.88 | 59.495 | | |
| 10,300.00 | 7,200.71 | 7,088.91 | 7,084.63 | 55.91 | 16.32 | 88.94 | -1,260.41 | -3,577.51 | 4,306.53 | 4,232.78 | 73.76 | 58.388 | | |
| 10,400.00 | 7,198.59 | 7,083.30 | 7,079.02 | 57.72 | 16.31 | 88.86 | -1,260.61 | -3,577.51 | 4,338.86 | 4,263.21 | 75.64 | 57.359 | | |
| 10,500.00 | 7,196.46 | 7,077.68 | 7,073.41 | 59.53 | 16.29 | 88.78 | -1,260.81 | -3,577.51 | 4,373.22 | 4,295.69 | 77.54 | 56.403 | | |
| 10,600.00 | 7,194.33 | 7,072.06 | 7,067.80 | 61.34 | 16.28 | 88.70 | -1,261.00 | -3,577.51 | 4,409.58 | 4,330.15 | 79.43 | 55.513 | | |
| 10,700.00 | 7,192.20 | 7,066.45 | 7,062.18 | 63.17 | 16.27 | 88.62 | -1,261.20 | -3,577.51 | 4,447.89 | 4,366.55 | 81.34 | 54.685 | | |
| 10,800.00 | 7,190.07 | 7,060.83 | 7,056.57 | 64.99 | 16.25 | 88.55 | -1,261.39 | -3,577.51 | 4,488.09 | 4,404.84 | 83.24 | 53.916 | | |
| 10,900.00 | 7,187.95 | 7,055.22 | 7,050.96 | 66.83 | 16.24 | 88.47 | -1,261.59 | -3,577.51 | 4,530.13 | 4,444.97 | 85.15 | 53.200 | | |
| 11,000.00 | 7,185.82 | 7,049.60 | 7,045.35 | 68.66 | 16.23 | 88.39 | -1,261.79 | -3,577.51 | 4,573.96 | 4,486.90 | 87.07 | 52.534 | | |
| 11,100.00 | 7,183.69 | 7,043.99 | 7,039.74 | 70.50 | 16.21 | 88.31 | -1,261.98 | -3,577.51 | 4,619.54 | 4,530.56 | 88.98 | 51.914 | | |
| 11,200.00 | 7,181.56 | 7,038.37 | 7,034.12 | 72.35 | 16.20 | 88.23 | -1,262.18 | -3,577.51 | 4,666.81 | 4,575.91 | 90.90 | 51.337 | | |
| 11,300.00 | 7,179.44 | 7,032.75 | 7,028.51 | 74.19 | 16.19 | 88.15 | -1,262.37 | -3,577.51 | 4,715.72 | 4,622.89 | 92.83 | 50.801 | | |
| 11,400.00 | 7,177.31 | 7,027.14 | 7,022.90 | 76.04 | 16.18 | 88.08 | -1,262.57 | -3,577.51 | 4,766.22 | 4,671.47 | 94.75 | 50.302 | | |
| 11,500.00 | 7,175.18 | 7,021.52 | 7,017.29 | 77.90 | 16.16 | 88.00 | -1,262.77 | -3,577.51 | 4,818.26 | 4,721.58 | 96.68 | 49.837 | | |
| 11,600.00 | 7,173.05 | 7,015.91 | 7,011.67 | 79.75 | 16.15 | 87.92 | -1,262.96 | -3,577.51 | 4,871.79 | 4,773.18 | 98.61 | 49.405 | | |
| 11,700.00 | 7,170.92 | 7,010.29 | 7,006.06 | 81.61 | 16.14 | 87.84 | -1,263.16 | -3,577.51 | 4,926.76 | 4,826.22 | 100.54 | 49.002 | | |
| 11,800.00 | 7,168.80 | 7,004.68 | 7,000.45 | 83.47 | 16.12 | 87.76 | -1,263.35 | -3,577.51 | 4,983.13 | 4,880.65 | 102.47 | 48.628 | | |
| 11,837.41 | 7,168.00 | 7,002.58 | 6,998.35 | 84.17 | 16.12 | 87.73 | -1,263.43 | -3,577.51 | 5,004.56 | 4,901.37 | 103.20 | 48.495 SF | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|-------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|---------|
| Survey Program: 12-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -156.44 | -5,235.40 | -2,283.13 | 5,711.66 | | | | | | |
| 100.00 | 100.00 | 69.60 | 69.60 | 0.08 | 0.17 | -156.44 | -5,235.40 | -2,283.15 | 5,711.58 | 5,711.33 | 0.25 | N/A | | | |
| 200.00 | 200.00 | 168.91 | 168.91 | 0.31 | 0.43 | -156.44 | -5,235.37 | -2,283.25 | 5,711.59 | 5,710.85 | 0.74 | 7,702.467 | | | |
| 300.00 | 300.00 | 268.22 | 268.22 | 0.53 | 0.70 | -156.43 | -5,235.31 | -2,283.45 | 5,711.62 | 5,710.39 | 1.23 | 4,643.855 | | | |
| 400.00 | 400.00 | 367.54 | 367.53 | 0.76 | 0.96 | -156.43 | -5,235.22 | -2,283.75 | 5,711.66 | 5,709.94 | 1.72 | 3,323.954 | | | |
| 500.00 | 500.00 | 466.85 | 466.84 | 0.98 | 1.22 | -156.43 | -5,235.10 | -2,284.14 | 5,711.71 | 5,709.50 | 2.21 | 2,588.310 | | | |
| 600.00 | 600.00 | 566.16 | 566.15 | 1.21 | 1.49 | -156.42 | -5,234.96 | -2,284.63 | 5,711.77 | 5,709.07 | 2.70 | 2,119.293 | | | |
| 700.00 | 700.00 | 665.46 | 665.46 | 1.43 | 1.75 | -156.42 | -5,234.78 | -2,285.21 | 5,711.84 | 5,708.66 | 3.18 | 1,794.189 | | | |
| 800.00 | 800.00 | 764.77 | 764.76 | 1.66 | 2.01 | -156.41 | -5,234.58 | -2,285.89 | 5,711.93 | 5,708.25 | 3.67 | 1,555.572 | | | |
| 900.00 | 900.00 | 864.08 | 864.07 | 1.88 | 2.28 | -156.40 | -5,234.34 | -2,286.66 | 5,712.02 | 5,707.86 | 4.16 | 1,372.984 | | | |
| 1,000.00 | 1,000.00 | 963.39 | 963.38 | 2.11 | 2.49 | -156.40 | -5,233.76 | -2,286.94 | 5,711.64 | 5,707.04 | 4.60 | 1,241.436 | | | |
| 1,063.87 | 1,063.87 | 1,033.89 | 1,033.87 | 2.25 | 2.52 | -156.40 | -5,233.71 | -2,286.83 | 5,711.51 | 5,706.74 | 4.77 | 1,197.234 | | | |
| 1,100.00 | 1,100.00 | 1,061.00 | 1,060.99 | 2.33 | 2.54 | -156.40 | -5,233.79 | -2,286.75 | 5,711.56 | 5,706.69 | 4.87 | 1,172.945 | | | |
| 1,200.00 | 1,200.00 | 1,156.00 | 1,155.99 | 2.56 | 2.56 | -156.40 | -5,234.05 | -2,286.56 | 5,711.73 | 5,706.62 | 5.11 | 1,116.944 | | | |
| 1,300.00 | 1,300.00 | 1,237.25 | 1,237.24 | 2.78 | 2.66 | -156.40 | -5,234.24 | -2,286.77 | 5,712.07 | 5,706.62 | 5.45 | 1,048.838 | | | |
| 1,400.00 | 1,399.98 | 1,374.10 | 1,374.09 | 3.00 | 2.98 | 167.20 | -5,234.27 | -2,287.46 | 5,713.97 | 5,707.99 | 5.99 | 954.575 | | | |
| 1,500.00 | 1,499.84 | 1,465.88 | 1,465.85 | 3.23 | 3.21 | 167.19 | -5,233.96 | -2,288.24 | 5,719.11 | 5,712.67 | 6.44 | 888.326 | | | |
| 1,600.00 | 1,599.45 | 1,777.82 | 1,776.99 | 3.45 | 4.00 | 167.41 | -5,220.52 | -2,302.58 | 5,724.84 | 5,717.40 | 7.44 | 769.789 | | | |
| 1,700.00 | 1,698.70 | 1,940.74 | 1,938.38 | 3.69 | 4.42 | 167.63 | -5,206.02 | -2,319.44 | 5,732.92 | 5,724.85 | 8.07 | 710.365 | | | |
| 1,800.00 | 1,797.61 | 2,065.17 | 2,060.83 | 3.95 | 4.76 | 167.87 | -5,191.83 | -2,336.36 | 5,742.42 | 5,733.79 | 8.63 | 665.647 | | | |
| 1,900.00 | 1,896.51 | 2,241.03 | 2,232.46 | 4.22 | 5.25 | 168.30 | -5,167.34 | -2,365.62 | 5,750.95 | 5,741.61 | 9.35 | 615.300 | | | |
| 2,000.00 | 1,995.40 | 2,310.68 | 2,299.81 | 4.51 | 5.45 | 168.49 | -5,156.38 | -2,379.59 | 5,759.45 | 5,749.67 | 9.78 | 588.779 | | | |
| 2,100.00 | 2,094.30 | 2,564.70 | 2,542.25 | 4.80 | 6.24 | 169.29 | -5,110.07 | -2,439.38 | 5,767.81 | 5,757.02 | 10.79 | 534.557 | | | |
| 2,200.00 | 2,193.19 | 2,656.62 | 2,629.55 | 5.10 | 6.53 | 169.59 | -5,091.40 | -2,461.29 | 5,774.15 | 5,762.83 | 11.32 | 510.161 | | | |
| 2,300.00 | 2,292.09 | 2,765.33 | 2,732.71 | 5.41 | 6.89 | 169.95 | -5,069.25 | -2,487.48 | 5,780.74 | 5,768.83 | 11.91 | 485.484 | | | |
| 2,400.00 | 2,390.98 | 2,815.67 | 2,780.37 | 5.72 | 7.05 | 170.12 | -5,058.91 | -2,499.94 | 5,787.65 | 5,775.33 | 12.31 | 470.060 | | | |
| 2,500.00 | 2,489.88 | 2,869.00 | 2,830.98 | 6.04 | 7.23 | 170.30 | -5,048.50 | -2,513.16 | 5,795.55 | 5,782.82 | 12.73 | 455.286 | | | |
| 2,600.00 | 2,588.77 | 2,913.55 | 2,873.17 | 6.36 | 7.38 | 170.45 | -5,039.98 | -2,524.63 | 5,804.36 | 5,791.24 | 13.12 | 442.339 | | | |
| 2,700.00 | 2,687.67 | 2,974.11 | 2,930.12 | 6.68 | 7.59 | 170.66 | -5,028.20 | -2,541.53 | 5,814.02 | 5,800.45 | 13.57 | 428.455 | | | |
| 2,800.00 | 2,786.56 | 3,182.68 | 3,126.33 | 7.01 | 8.32 | 171.40 | -4,986.31 | -2,598.49 | 5,823.13 | 5,808.60 | 14.53 | 400.766 | | | |
| 2,900.00 | 2,885.46 | 3,251.00 | 3,190.95 | 7.34 | 8.56 | 171.63 | -4,972.38 | -2,615.76 | 5,831.48 | 5,816.48 | 15.01 | 388.531 | | | |
| 3,000.00 | 2,984.36 | 3,304.60 | 3,241.84 | 7.67 | 8.74 | 171.80 | -4,961.97 | -2,628.96 | 5,840.62 | 5,825.19 | 15.44 | 378.364 | | | |
| 3,100.00 | 3,083.25 | 3,346.00 | 3,281.28 | 8.00 | 8.89 | 171.93 | -4,954.57 | -2,639.17 | 5,850.99 | 5,835.16 | 15.82 | 369.777 | | | |
| 3,200.00 | 3,182.15 | 3,536.00 | 3,461.44 | 8.34 | 9.55 | 172.55 | -4,917.93 | -2,687.02 | 5,860.22 | 5,843.50 | 16.72 | 350.392 | | | |
| 3,300.00 | 3,281.04 | 3,618.88 | 3,540.83 | 8.67 | 9.84 | 172.80 | -4,902.95 | -2,705.50 | 5,869.82 | 5,852.57 | 17.25 | 340.291 | | | |
| 3,400.00 | 3,379.94 | 3,872.99 | 3,783.56 | 9.01 | 10.72 | 173.56 | -4,852.90 | -2,761.48 | 5,877.53 | 5,859.17 | 18.36 | 320.142 | | | |
| 3,500.00 | 3,478.83 | 3,945.90 | 3,852.70 | 9.35 | 10.98 | 173.79 | -4,837.23 | -2,778.55 | 5,885.11 | 5,866.25 | 18.86 | 312.032 | | | |
| 3,600.00 | 3,577.73 | 4,012.00 | 3,915.09 | 9.69 | 11.22 | 174.01 | -4,822.96 | -2,795.06 | 5,893.45 | 5,874.11 | 19.34 | 304.711 | | | |
| 3,700.00 | 3,676.62 | 4,095.69 | 3,994.03 | 10.03 | 11.53 | 174.29 | -4,805.02 | -2,816.28 | 5,902.31 | 5,882.43 | 19.89 | 296.793 | | | |
| 3,800.00 | 3,775.52 | 4,155.16 | 4,050.19 | 10.37 | 11.74 | 174.48 | -4,792.44 | -2,831.24 | 5,911.55 | 5,891.20 | 20.35 | 290.533 | | | |
| 3,900.00 | 3,874.41 | 4,202.00 | 4,094.30 | 10.72 | 11.92 | 174.64 | -4,782.58 | -2,843.55 | 5,921.61 | 5,900.85 | 20.76 | 285.208 | | | |
| 4,000.00 | 3,973.31 | 4,276.00 | 4,163.95 | 11.06 | 12.19 | 174.89 | -4,767.28 | -2,863.32 | 5,932.36 | 5,911.08 | 21.28 | 278.804 | | | |
| 4,100.00 | 4,072.20 | 4,372.08 | 4,254.27 | 11.40 | 12.55 | 175.22 | -4,747.51 | -2,889.44 | 5,943.59 | 5,921.71 | 21.88 | 271.682 | | | |
| 4,200.00 | 4,171.10 | 4,474.67 | 4,350.47 | 11.75 | 12.93 | 175.58 | -4,725.90 | -2,917.77 | 5,954.85 | 5,932.35 | 22.50 | 264.648 | | | |
| 4,300.00 | 4,269.99 | 4,539.63 | 4,411.84 | 12.09 | 13.17 | 175.79 | -4,712.93 | -2,934.67 | 5,966.43 | 5,943.44 | 22.98 | 259.602 | | | |
| 4,400.00 | 4,368.89 | 4,601.96 | 4,470.89 | 12.44 | 13.40 | 175.99 | -4,701.05 | -2,950.67 | 5,978.71 | 5,955.25 | 23.45 | 254.907 | | | |
| 4,500.00 | 4,467.78 | 4,678.00 | 4,542.86 | 12.78 | 13.68 | 176.23 | -4,686.69 | -2,970.62 | 5,991.59 | 5,967.62 | 23.98 | 249.906 | | | |
| 4,600.00 | 4,566.68 | 4,747.82 | 4,609.06 | 13.13 | 13.94 | 176.45 | -4,673.92 | -2,988.75 | 6,004.98 | 5,980.51 | 24.47 | 245.384 | | | |
| 4,700.00 | 4,665.57 | 4,953.90 | 4,804.45 | 13.48 | 14.69 | 177.09 | -4,634.33 | -3,040.88 | 6,017.13 | 5,991.67 | 25.46 | 236.336 | | | |
| 4,800.00 | 4,764.47 | 5,019.72 | 4,866.76 | 13.82 | 14.93 | 177.30 | -4,621.31 | -3,057.62 | 6,029.45 | 6,003.51 | 25.94 | 232.405 | | | |
| 4,900.00 | 4,863.36 | 5,059.00 | 4,904.13 | 14.17 | 15.08 | 177.42 | -4,613.98 | -3,067.24 | 6,042.47 | 6,016.14 | 26.33 | 229.476 | | | |
| 5,000.00 | 4,962.26 | 5,119.06 | 4,961.64 | 14.52 | 15.29 | 177.59 | -4,603.78 | -3,081.22 | 6,056.29 | 6,029.50 | 26.78 | 226.110 | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|-------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 12-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 5,100.00 | 5,061.15 | 5,155.00 | 4,996.29 | 14.87 | 15.41 | 177.68 | -4,598.40 | -3,089.11 | 6,071.09 | 6,043.94 | 27.15 | 223.572 | | |
| 5,200.00 | 5,160.05 | 5,233.30 | 5,072.36 | 15.21 | 15.67 | 177.86 | -4,588.37 | -3,104.71 | 6,086.55 | 6,058.90 | 27.65 | 220.097 | | |
| 5,300.00 | 5,258.94 | 5,310.71 | 5,148.16 | 15.56 | 15.91 | 178.01 | -4,580.27 | -3,118.12 | 6,102.51 | 6,074.37 | 28.14 | 216.868 | | |
| 5,400.00 | 5,357.84 | 5,526.45 | 5,361.10 | 15.91 | 16.55 | 178.35 | -4,561.77 | -3,147.04 | 6,118.08 | 6,089.07 | 29.01 | 210.903 | | |
| 5,500.00 | 5,456.73 | 5,624.33 | 5,458.38 | 16.26 | 16.81 | 178.45 | -4,555.15 | -3,155.57 | 6,132.33 | 6,102.82 | 29.52 | 207.753 | | |
| 5,600.00 | 5,555.63 | 5,702.69 | 5,536.44 | 16.61 | 17.02 | 178.52 | -4,551.05 | -3,160.97 | 6,146.81 | 6,116.84 | 29.96 | 205.139 | | |
| 5,700.00 | 5,654.52 | 5,818.38 | 5,652.00 | 16.96 | 17.30 | 178.58 | -4,547.65 | -3,165.36 | 6,161.41 | 6,130.92 | 30.49 | 202.088 | | |
| 5,800.00 | 5,753.42 | 5,952.87 | 5,786.46 | 17.31 | 17.57 | 178.60 | -4,545.43 | -3,166.23 | 6,175.17 | 6,144.17 | 31.00 | 199.173 | | |
| 5,900.00 | 5,852.31 | 6,011.00 | 5,844.59 | 17.66 | 17.67 | 178.61 | -4,544.85 | -3,166.31 | 6,189.28 | 6,157.92 | 31.36 | 197.363 | | |
| 6,000.00 | 5,951.21 | 6,084.69 | 5,918.27 | 18.01 | 17.83 | 178.61 | -4,544.45 | -3,166.61 | 6,203.90 | 6,172.14 | 31.76 | 195.339 | | |
| 6,100.00 | 6,050.10 | 6,217.36 | 6,050.94 | 18.36 | 18.05 | 178.62 | -4,543.95 | -3,166.96 | 6,218.59 | 6,186.36 | 32.23 | 192.950 | | |
| 6,200.00 | 6,149.00 | 6,297.00 | 6,130.58 | 18.71 | 18.17 | 178.63 | -4,543.57 | -3,166.91 | 6,233.00 | 6,200.41 | 32.60 | 191.222 | | |
| 6,300.00 | 6,247.89 | 6,374.91 | 6,208.49 | 19.06 | 18.33 | 178.63 | -4,543.28 | -3,167.18 | 6,247.74 | 6,214.74 | 33.00 | 189.306 | | |
| 6,400.00 | 6,346.79 | 6,503.66 | 6,337.24 | 19.41 | 18.51 | 178.64 | -4,543.03 | -3,167.44 | 6,262.53 | 6,229.10 | 33.43 | 187.320 | | |
| 6,500.00 | 6,445.68 | 6,597.63 | 6,431.20 | 19.76 | 18.54 | 178.64 | -4,543.05 | -3,166.93 | 6,277.06 | 6,243.36 | 33.71 | 186.219 | | |
| 6,600.00 | 6,544.58 | 6,688.94 | 6,522.51 | 20.11 | 18.53 | 178.64 | -4,543.27 | -3,166.34 | 6,291.70 | 6,257.75 | 33.95 | 185.333 | | |
| 6,700.00 | 6,643.53 | 6,781.56 | 6,615.13 | 20.44 | 18.53 | 165.37 | -4,543.46 | -3,165.93 | 6,305.99 | 6,271.77 | 34.22 | 184.299 | | |
| 6,800.00 | 6,743.00 | 6,867.00 | 6,700.57 | 20.62 | 18.57 | 77.04 | -4,543.59 | -3,165.86 | 6,310.19 | 6,275.85 | 34.34 | 183.759 | | |
| 6,900.00 | 6,840.75 | 6,948.49 | 6,782.06 | 20.64 | 18.69 | 54.03 | -4,543.70 | -3,166.14 | 6,300.42 | 6,266.52 | 33.90 | 185.862 | | |
| 7,000.00 | 6,933.82 | 7,043.48 | 6,877.05 | 20.54 | 18.88 | 49.10 | -4,543.56 | -3,167.11 | 6,276.96 | 6,243.89 | 33.07 | 189.825 | | |
| 7,100.00 | 7,019.36 | 7,100.01 | 6,933.56 | 20.31 | 19.00 | 48.84 | -4,543.26 | -3,168.10 | 6,240.61 | 6,208.59 | 32.02 | 194.880 | | |
| 7,200.00 | 7,094.79 | 7,153.00 | 6,986.54 | 20.01 | 19.12 | 51.20 | -4,543.14 | -3,169.34 | 6,192.92 | 6,161.63 | 31.29 | 197.951 | | |
| 7,300.00 | 7,157.81 | 7,202.08 | 7,035.60 | 19.66 | 19.23 | 55.78 | -4,543.06 | -3,170.69 | 6,135.20 | 6,103.87 | 31.33 | 195.819 | | |
| 7,400.00 | 7,206.51 | 7,343.00 | 7,176.47 | 19.29 | 19.55 | 63.75 | -4,542.10 | -3,174.25 | 6,069.11 | 6,036.29 | 32.82 | 184.903 | | |
| 7,500.00 | 7,239.40 | 7,371.73 | 7,205.20 | 18.94 | 19.62 | 73.21 | -4,541.75 | -3,174.72 | 5,996.37 | 5,961.94 | 34.43 | 174.183 | | |
| 7,600.00 | 7,255.49 | 7,384.45 | 7,217.92 | 18.63 | 19.65 | 84.60 | -4,541.58 | -3,174.96 | 5,919.95 | 5,884.36 | 35.58 | 166.372 | | |
| 7,700.00 | 7,256.04 | 7,383.78 | 7,217.24 | 18.39 | 19.65 | 91.36 | -4,541.59 | -3,174.94 | 5,842.22 | 5,806.36 | 35.86 | 162.919 | | |
| 7,800.00 | 7,253.91 | 7,380.83 | 7,214.29 | 18.51 | 19.64 | 91.32 | -4,541.63 | -3,174.89 | 5,765.01 | 5,728.73 | 36.28 | 158.900 | | |
| 7,900.00 | 7,251.78 | 7,377.90 | 7,211.36 | 19.20 | 19.64 | 91.27 | -4,541.67 | -3,174.83 | 5,688.51 | 5,651.55 | 36.96 | 153.906 | | |
| 8,000.00 | 7,249.65 | 7,374.98 | 7,208.45 | 20.08 | 19.63 | 91.23 | -4,541.71 | -3,174.78 | 5,612.74 | 5,574.93 | 37.81 | 148.446 | | |
| 8,100.00 | 7,247.53 | 7,372.08 | 7,205.55 | 21.07 | 19.62 | 91.18 | -4,541.74 | -3,174.73 | 5,537.75 | 5,498.94 | 38.81 | 142.694 | | |
| 8,200.00 | 7,245.40 | 7,369.20 | 7,202.67 | 22.17 | 19.62 | 91.14 | -4,541.78 | -3,174.68 | 5,463.55 | 5,423.61 | 39.94 | 136.801 | | |
| 8,300.00 | 7,243.27 | 7,366.33 | 7,199.80 | 23.36 | 19.61 | 91.09 | -4,541.82 | -3,174.63 | 5,390.18 | 5,349.00 | 41.18 | 130.896 | | |
| 8,400.00 | 7,241.14 | 7,363.48 | 7,196.95 | 24.64 | 19.60 | 91.05 | -4,541.85 | -3,174.58 | 5,317.68 | 5,275.16 | 42.52 | 125.073 | | |
| 8,500.00 | 7,239.01 | 7,360.65 | 7,194.12 | 25.98 | 19.60 | 91.00 | -4,541.89 | -3,174.53 | 5,246.08 | 5,202.15 | 43.94 | 119.404 | | |
| 8,600.00 | 7,236.89 | 7,357.83 | 7,191.30 | 27.39 | 19.59 | 90.96 | -4,541.92 | -3,174.49 | 5,175.43 | 5,130.00 | 45.42 | 113.936 | | |
| 8,700.00 | 7,234.76 | 7,355.03 | 7,188.50 | 28.85 | 19.58 | 90.92 | -4,541.96 | -3,174.44 | 5,105.75 | 5,058.77 | 46.97 | 108.699 | | |
| 8,800.00 | 7,232.63 | 7,352.25 | 7,185.72 | 30.36 | 19.58 | 90.87 | -4,541.99 | -3,174.40 | 5,037.09 | 4,988.52 | 48.57 | 103.710 | | |
| 8,900.00 | 7,230.50 | 7,343.00 | 7,176.47 | 31.91 | 19.55 | 90.73 | -4,542.10 | -3,174.25 | 4,969.49 | 4,919.31 | 50.18 | 99.029 | | |
| 9,000.00 | 7,228.38 | 7,343.00 | 7,176.47 | 33.49 | 19.55 | 90.73 | -4,542.10 | -3,174.25 | 4,903.00 | 4,851.13 | 51.87 | 94.523 | | |
| 9,100.00 | 7,226.25 | 7,343.00 | 7,176.47 | 35.11 | 19.55 | 90.73 | -4,542.10 | -3,174.25 | 4,837.66 | 4,784.07 | 53.59 | 90.269 | | |
| 9,200.00 | 7,224.12 | 7,329.16 | 7,162.63 | 36.75 | 19.52 | 90.51 | -4,542.26 | -3,174.03 | 4,773.51 | 4,718.23 | 55.28 | 86.349 | | |
| 9,300.00 | 7,221.99 | 7,309.15 | 7,142.63 | 38.41 | 19.48 | 90.20 | -4,542.46 | -3,173.65 | 4,710.61 | 4,653.64 | 56.97 | 82.686 | | |
| 9,400.00 | 7,219.86 | 7,290.93 | 7,124.42 | 40.10 | 19.43 | 89.92 | -4,542.62 | -3,173.24 | 4,648.99 | 4,590.30 | 58.68 | 79.220 | | |
| 9,500.00 | 7,217.74 | 7,274.28 | 7,107.77 | 41.80 | 19.39 | 89.66 | -4,542.74 | -3,172.82 | 4,588.71 | 4,528.28 | 60.42 | 75.943 | | |
| 9,600.00 | 7,215.61 | 7,259.00 | 7,092.50 | 43.53 | 19.36 | 89.42 | -4,542.83 | -3,172.39 | 4,529.82 | 4,467.64 | 62.18 | 72.847 | | |
| 9,700.00 | 7,213.48 | 7,248.00 | 7,081.50 | 45.26 | 19.33 | 89.25 | -4,542.89 | -3,172.06 | 4,472.39 | 4,408.42 | 63.97 | 69.909 | | |
| 9,800.00 | 7,211.35 | 7,248.00 | 7,081.50 | 47.01 | 19.33 | 89.25 | -4,542.89 | -3,172.06 | 4,416.48 | 4,350.65 | 65.83 | 67.092 | | |
| 9,900.00 | 7,209.22 | 7,242.69 | 7,076.19 | 48.77 | 19.32 | 89.17 | -4,542.91 | -3,171.90 | 4,362.13 | 4,294.46 | 67.67 | 64.463 | | |
| 10,000.00 | 7,207.10 | 7,240.33 | 7,073.84 | 50.54 | 19.32 | 89.13 | -4,542.92 | -3,171.83 | 4,309.42 | 4,239.89 | 69.53 | 61.977 | | |
| 10,100.00 | 7,204.97 | 7,237.99 | 7,071.50 | 52.32 | 19.31 | 89.10 | -4,542.93 | -3,171.75 | 4,258.41 | 4,187.01 | 71.41 | 59.637 | | |
| 10,200.00 | 7,202.84 | 7,235.67 | 7,069.18 | 54.11 | 19.31 | 89.06 | -4,542.94 | -3,171.68 | 4,209.15 | 4,135.87 | 73.29 | 57.435 | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|-------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|--------------------|------------|---------|
| Survey Program: 12-NS-GYRO-MS | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 10,300.00 | 7,200.71 | 7,233.37 | 7,066.88 | 55.91 | 19.30 | 89.03 | -4,542.95 | -3,171.61 | 4,161.71 | 4,086.54 | 75.17 | 55.361 | | |
| 10,400.00 | 7,198.59 | 7,231.09 | 7,064.60 | 57.72 | 19.30 | 88.99 | -4,542.96 | -3,171.54 | 4,116.16 | 4,039.09 | 77.07 | 53.409 | | |
| 10,500.00 | 7,196.46 | 7,228.83 | 7,062.34 | 59.53 | 19.29 | 88.95 | -4,542.97 | -3,171.48 | 4,072.55 | 3,993.58 | 78.97 | 51.571 | | |
| 10,600.00 | 7,194.33 | 7,226.58 | 7,060.09 | 61.34 | 19.29 | 88.92 | -4,542.98 | -3,171.41 | 4,030.94 | 3,950.07 | 80.87 | 49.842 | | |
| 10,700.00 | 7,192.20 | 7,224.35 | 7,057.86 | 63.17 | 19.28 | 88.89 | -4,542.99 | -3,171.34 | 3,991.41 | 3,908.62 | 82.79 | 48.214 | | |
| 10,800.00 | 7,190.07 | 7,222.14 | 7,055.65 | 64.99 | 19.28 | 88.85 | -4,543.00 | -3,171.28 | 3,954.01 | 3,869.31 | 84.70 | 46.682 | | |
| 10,900.00 | 7,187.95 | 7,219.94 | 7,053.46 | 66.83 | 19.27 | 88.82 | -4,543.00 | -3,171.21 | 3,918.80 | 3,832.18 | 86.62 | 45.241 | | |
| 11,000.00 | 7,185.82 | 7,217.76 | 7,051.28 | 68.66 | 19.27 | 88.78 | -4,543.01 | -3,171.15 | 3,885.85 | 3,797.31 | 88.54 | 43.886 | | |
| 11,100.00 | 7,183.69 | 7,215.60 | 7,049.12 | 70.50 | 19.26 | 88.75 | -4,543.02 | -3,171.08 | 3,855.21 | 3,764.74 | 90.47 | 42.613 | | |
| 11,200.00 | 7,181.56 | 7,213.46 | 7,046.97 | 72.35 | 19.26 | 88.72 | -4,543.02 | -3,171.02 | 3,826.94 | 3,734.54 | 92.40 | 41.417 | | |
| 11,300.00 | 7,179.44 | 7,211.33 | 7,044.85 | 74.19 | 19.25 | 88.68 | -4,543.03 | -3,170.96 | 3,801.09 | 3,706.75 | 94.33 | 40.294 | | |
| 11,400.00 | 7,177.31 | 7,209.21 | 7,042.73 | 76.04 | 19.25 | 88.65 | -4,543.04 | -3,170.90 | 3,777.70 | 3,681.43 | 96.27 | 39.241 | | |
| 11,500.00 | 7,175.18 | 7,207.12 | 7,040.64 | 77.90 | 19.24 | 88.62 | -4,543.04 | -3,170.83 | 3,756.83 | 3,658.62 | 98.21 | 38.254 | | |
| 11,600.00 | 7,173.05 | 7,205.03 | 7,038.56 | 79.75 | 19.24 | 88.58 | -4,543.05 | -3,170.77 | 3,738.52 | 3,638.37 | 100.15 | 37.329 | | |
| 11,700.00 | 7,170.92 | 7,202.97 | 7,036.49 | 81.61 | 19.23 | 88.55 | -4,543.06 | -3,170.72 | 3,722.81 | 3,620.72 | 102.09 | 36.465 | | |
| 11,800.00 | 7,168.80 | 7,200.92 | 7,034.44 | 83.47 | 19.23 | 88.52 | -4,543.06 | -3,170.66 | 3,709.72 | 3,605.69 | 104.04 | 35.658 | | |
| 11,837.41 | 7,168.00 | 7,200.16 | 7,033.68 | 84.17 | 19.23 | 88.51 | -4,543.06 | -3,170.63 | 3,705.51 | 3,600.74 | 104.77 | 35.369 | CC, ES, SF | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|--------------------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Reference | | | | Offset | | | Semi Major Axis | | | Distance | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -151.87 | -2,443.25 | -1,305.98 | 2,770.60 | | | | | |
| 100.00 | 100.00 | 108.80 | 108.79 | 0.08 | 0.16 | -151.87 | -2,442.44 | -1,305.63 | 2,769.84 | 2,769.60 | 0.24 | N/A | | |
| 200.00 | 200.00 | 226.80 | 226.77 | 0.31 | 0.47 | -151.87 | -2,440.38 | -1,304.78 | 2,767.96 | 2,767.18 | 0.78 | 3,559.841 | | |
| 300.00 | 300.00 | 346.02 | 345.96 | 0.53 | 0.78 | -151.88 | -2,438.08 | -1,302.72 | 2,765.45 | 2,764.14 | 1.31 | 2,107.143 | | |
| 400.00 | 400.00 | 483.34 | 483.18 | 0.76 | 1.14 | -151.91 | -2,434.42 | -1,299.40 | 2,761.99 | 2,760.09 | 1.90 | 1,455.083 | | |
| 500.00 | 500.00 | 609.60 | 609.28 | 0.98 | 1.47 | -151.96 | -2,430.19 | -1,294.57 | 2,757.22 | 2,754.77 | 2.46 | 1,122.861 | | |
| 600.00 | 600.00 | 729.86 | 729.32 | 1.21 | 1.79 | -152.01 | -2,425.49 | -1,289.12 | 2,751.63 | 2,748.63 | 3.00 | 917.392 | | |
| 700.00 | 700.00 | 834.61 | 833.85 | 1.43 | 2.08 | -152.05 | -2,420.72 | -1,284.39 | 2,745.49 | 2,741.99 | 3.50 | 783.457 | | |
| 800.00 | 800.00 | 922.18 | 921.26 | 1.66 | 2.31 | -152.08 | -2,416.81 | -1,280.74 | 2,739.59 | 2,735.63 | 3.96 | 691.165 | | |
| 900.00 | 900.00 | 1,009.11 | 1,008.06 | 1.88 | 2.55 | -152.11 | -2,413.27 | -1,277.37 | 2,734.18 | 2,729.76 | 4.42 | 618.431 | | |
| 1,000.00 | 1,000.00 | 1,107.88 | 1,106.68 | 2.11 | 2.81 | -152.14 | -2,409.42 | -1,273.73 | 2,729.01 | 2,724.10 | 4.91 | 555.790 | | |
| 1,100.00 | 1,100.00 | 1,211.40 | 1,210.05 | 2.33 | 3.09 | -152.16 | -2,405.23 | -1,270.08 | 2,723.78 | 2,718.37 | 5.41 | 503.286 | | |
| 1,200.00 | 1,200.00 | 1,310.52 | 1,309.03 | 2.56 | 3.36 | -152.19 | -2,401.10 | -1,266.70 | 2,718.51 | 2,712.61 | 5.90 | 460.610 | | |
| 1,300.00 | 1,300.00 | 1,411.19 | 1,409.55 | 2.78 | 3.63 | -152.21 | -2,396.88 | -1,263.29 | 2,713.21 | 2,706.82 | 6.40 | 424.202 | | |
| 1,400.00 | 1,399.98 | 1,504.56 | 1,502.79 | 3.00 | 3.88 | 171.38 | -2,393.13 | -1,260.08 | 2,709.78 | 2,702.92 | 6.86 | 395.173 | | |
| 1,451.96 | 1,451.89 | 1,561.76 | 1,559.92 | 3.12 | 4.03 | 171.37 | -2,390.83 | -1,258.12 | 2,709.37 | 2,702.24 | 7.13 | 380.167 | | |
| 1,500.00 | 1,499.84 | 1,612.01 | 1,610.09 | 3.23 | 4.17 | 171.37 | -2,388.70 | -1,256.44 | 2,709.73 | 2,702.36 | 7.37 | 367.800 | | |
| 1,600.00 | 1,599.45 | 1,700.00 | 1,697.96 | 3.45 | 4.40 | 171.37 | -2,385.17 | -1,253.42 | 2,713.21 | 2,705.39 | 7.82 | 346.927 | | |
| 1,700.00 | 1,698.70 | 1,794.04 | 1,791.88 | 3.69 | 4.66 | 171.36 | -2,381.64 | -1,250.40 | 2,720.46 | 2,712.17 | 8.28 | 328.366 | | |
| 1,800.00 | 1,797.61 | 1,876.79 | 1,874.55 | 3.95 | 4.88 | 171.38 | -2,378.68 | -1,248.24 | 2,730.65 | 2,721.92 | 8.73 | 312.864 | | |
| 1,900.00 | 1,896.51 | 1,963.21 | 1,960.91 | 4.22 | 5.11 | 171.41 | -2,375.91 | -1,246.44 | 2,741.54 | 2,732.35 | 9.19 | 298.419 | | |
| 2,000.00 | 1,995.40 | 2,050.42 | 2,048.06 | 4.51 | 5.34 | 171.45 | -2,373.42 | -1,244.86 | 2,752.86 | 2,743.21 | 9.65 | 285.267 | | |
| 2,100.00 | 2,094.30 | 2,132.62 | 2,130.23 | 4.80 | 5.56 | 171.48 | -2,371.48 | -1,243.44 | 2,764.66 | 2,754.56 | 10.10 | 273.667 | | |
| 2,200.00 | 2,193.19 | 2,200.00 | 2,197.60 | 5.10 | 5.74 | 171.50 | -2,370.34 | -1,242.47 | 2,777.25 | 2,766.73 | 10.52 | 264.067 | | |
| 2,300.00 | 2,292.09 | 2,286.78 | 2,284.37 | 5.41 | 5.96 | 171.53 | -2,369.54 | -1,241.44 | 2,790.58 | 2,779.60 | 10.98 | 254.256 | | |
| 2,400.00 | 2,390.98 | 2,387.60 | 2,385.18 | 5.72 | 6.20 | 171.56 | -2,369.15 | -1,240.24 | 2,804.35 | 2,792.89 | 11.46 | 244.698 | | |
| 2,500.00 | 2,489.88 | 2,486.75 | 2,484.32 | 6.04 | 6.44 | 171.58 | -2,368.74 | -1,238.86 | 2,818.01 | 2,806.07 | 11.94 | 235.990 | | |
| 2,600.00 | 2,588.77 | 2,565.08 | 2,562.63 | 6.36 | 6.61 | 171.60 | -2,368.72 | -1,237.71 | 2,831.99 | 2,819.65 | 12.34 | 229.437 | | |
| 2,700.00 | 2,687.67 | 2,653.09 | 2,650.63 | 6.68 | 6.76 | 171.60 | -2,369.58 | -1,236.17 | 2,846.68 | 2,833.95 | 12.74 | 223.497 | | |
| 2,800.00 | 2,786.56 | 2,745.54 | 2,743.05 | 7.01 | 6.90 | 171.60 | -2,370.65 | -1,234.48 | 2,861.51 | 2,848.39 | 13.12 | 218.106 | | |
| 2,900.00 | 2,885.46 | 2,839.62 | 2,837.12 | 7.34 | 7.03 | 171.60 | -2,372.03 | -1,232.91 | 2,876.68 | 2,863.18 | 13.50 | 213.068 | | |
| 3,000.00 | 2,984.36 | 2,941.35 | 2,938.83 | 7.67 | 7.18 | 171.60 | -2,373.36 | -1,231.27 | 2,891.74 | 2,877.84 | 13.90 | 208.077 | | |
| 3,100.00 | 3,083.25 | 3,036.75 | 3,034.20 | 8.00 | 7.33 | 171.60 | -2,374.71 | -1,229.70 | 2,906.87 | 2,892.58 | 14.29 | 203.415 | | |
| 3,200.00 | 3,182.15 | 3,137.86 | 3,135.29 | 8.34 | 7.49 | 171.60 | -2,376.18 | -1,228.05 | 2,922.05 | 2,907.36 | 14.70 | 198.813 | | |
| 3,300.00 | 3,281.04 | 3,248.23 | 3,245.63 | 8.67 | 7.69 | 171.60 | -2,377.61 | -1,226.00 | 2,936.98 | 2,921.84 | 15.14 | 193.975 | | |
| 3,400.00 | 3,379.94 | 3,351.34 | 3,348.70 | 9.01 | 7.90 | 171.59 | -2,378.80 | -1,223.54 | 2,951.55 | 2,935.96 | 15.59 | 189.296 | | |
| 3,500.00 | 3,478.83 | 3,442.05 | 3,439.38 | 9.35 | 8.08 | 171.58 | -2,379.92 | -1,221.47 | 2,966.23 | 2,950.21 | 16.02 | 185.156 | | |
| 3,600.00 | 3,577.73 | 3,526.98 | 3,524.28 | 9.69 | 8.24 | 171.58 | -2,381.25 | -1,219.68 | 2,981.30 | 2,964.87 | 16.43 | 181.499 | | |
| 3,700.00 | 3,676.62 | 3,609.05 | 3,606.33 | 10.03 | 8.37 | 171.57 | -2,382.87 | -1,218.28 | 2,996.89 | 2,980.08 | 16.81 | 178.285 | | |
| 3,800.00 | 3,775.52 | 3,700.00 | 3,697.25 | 10.37 | 8.49 | 171.58 | -2,384.87 | -1,217.40 | 3,013.01 | 2,995.84 | 17.18 | 175.418 | | |
| 3,900.00 | 3,874.41 | 3,785.87 | 3,783.10 | 10.72 | 8.59 | 171.59 | -2,386.88 | -1,216.97 | 3,029.47 | 3,011.95 | 17.52 | 172.926 | | |
| 4,000.00 | 3,973.31 | 3,909.30 | 3,906.50 | 11.06 | 8.74 | 171.61 | -2,389.37 | -1,216.31 | 3,045.66 | 3,027.74 | 17.92 | 169.967 | | |
| 4,100.00 | 4,072.20 | 4,015.49 | 4,012.67 | 11.40 | 8.89 | 171.63 | -2,390.70 | -1,215.83 | 3,061.20 | 3,042.89 | 18.31 | 167.147 | | |
| 4,200.00 | 4,171.10 | 4,100.00 | 4,097.18 | 11.75 | 9.00 | 171.65 | -2,391.87 | -1,215.60 | 3,076.95 | 3,058.28 | 18.67 | 164.773 | | |
| 4,300.00 | 4,269.99 | 4,195.75 | 4,192.92 | 12.09 | 9.11 | 171.67 | -2,393.43 | -1,215.48 | 3,092.98 | 3,073.95 | 19.04 | 162.489 | | |
| 4,400.00 | 4,368.89 | 4,294.59 | 4,291.74 | 12.44 | 9.21 | 171.70 | -2,394.89 | -1,215.66 | 3,109.03 | 3,089.65 | 19.38 | 160.417 | | |
| 4,500.00 | 4,467.78 | 4,394.01 | 4,391.15 | 12.78 | 9.29 | 171.74 | -2,396.17 | -1,216.17 | 3,125.06 | 3,105.35 | 19.71 | 158.555 | | |
| 4,600.00 | 4,566.68 | 4,509.03 | 4,506.17 | 13.13 | 9.40 | 171.78 | -2,397.41 | -1,216.59 | 3,140.85 | 3,120.78 | 20.07 | 156.504 | | |
| 4,700.00 | 4,665.57 | 4,624.85 | 4,621.99 | 13.48 | 9.57 | 171.82 | -2,398.11 | -1,216.61 | 3,156.05 | 3,135.57 | 20.48 | 154.093 | | |
| 4,800.00 | 4,764.47 | 4,726.57 | 4,723.70 | 13.82 | 9.75 | 171.85 | -2,398.46 | -1,216.41 | 3,170.94 | 3,150.03 | 20.91 | 151.633 | | |
| 4,900.00 | 4,863.36 | 4,824.12 | 4,821.26 | 14.17 | 9.92 | 171.89 | -2,398.83 | -1,216.37 | 3,185.93 | 3,164.60 | 21.33 | 149.362 | | |
| 5,000.00 | 4,962.26 | 4,937.47 | 4,934.60 | 14.52 | 10.16 | 171.92 | -2,399.03 | -1,215.89 | 3,200.55 | 3,178.73 | 21.82 | 146.698 | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | | |
|--------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|---|---------|--------------------|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | | WELD_CAMP 5 PAD - CAMP 10-26 offset - CAMP 10-26 - CAMP 10-26 | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | | |
| 5,100.00 | 5,061.15 | 5,032.16 | 5,029.29 | 14.87 | 10.40 | 171.94 | -2,399.20 | -1,215.22 | 3,215.06 | 3,192.76 | 22.30 | 144.165 | | | | |
| 5,200.00 | 5,160.05 | 5,119.25 | 5,116.37 | 15.21 | 10.61 | 171.95 | -2,399.83 | -1,214.27 | 3,229.85 | 3,207.09 | 22.76 | 141.930 | | | | |
| 5,300.00 | 5,258.94 | 5,205.17 | 5,202.28 | 15.56 | 10.79 | 171.97 | -2,400.70 | -1,213.59 | 3,245.03 | 3,221.84 | 23.19 | 139.930 | | | | |
| 5,400.00 | 5,357.84 | 5,305.49 | 5,302.60 | 15.91 | 10.99 | 171.99 | -2,401.74 | -1,213.12 | 3,260.40 | 3,236.76 | 23.64 | 137.935 | | | | |
| 5,500.00 | 5,456.73 | 5,417.13 | 5,414.23 | 16.26 | 11.23 | 172.01 | -2,402.58 | -1,212.49 | 3,275.46 | 3,251.33 | 24.13 | 135.769 | | | | |
| 5,600.00 | 5,555.63 | 5,504.88 | 5,501.98 | 16.61 | 11.42 | 172.03 | -2,403.21 | -1,212.12 | 3,290.57 | 3,266.01 | 24.56 | 133.991 | | | | |
| 5,700.00 | 5,654.52 | 5,602.42 | 5,599.51 | 16.96 | 11.58 | 172.06 | -2,403.94 | -1,212.05 | 3,305.87 | 3,280.90 | 24.97 | 132.381 | | | | |
| 5,800.00 | 5,753.42 | 5,703.06 | 5,700.15 | 17.31 | 11.72 | 172.10 | -2,404.53 | -1,212.23 | 3,321.15 | 3,295.80 | 25.35 | 130.992 | | | | |
| 5,900.00 | 5,852.31 | 5,800.00 | 5,797.09 | 17.66 | 11.85 | 172.13 | -2,405.08 | -1,212.41 | 3,336.42 | 3,310.69 | 25.73 | 129.660 | | | | |
| 6,000.00 | 5,951.21 | 5,880.26 | 5,877.34 | 18.01 | 11.96 | 172.15 | -2,405.77 | -1,212.65 | 3,352.00 | 3,325.91 | 26.09 | 128.461 | | | | |
| 6,100.00 | 6,050.10 | 5,976.91 | 5,973.99 | 18.36 | 12.11 | 172.18 | -2,407.01 | -1,212.97 | 3,367.96 | 3,341.47 | 26.49 | 127.128 | | | | |
| 6,200.00 | 6,149.00 | 6,094.71 | 6,091.78 | 18.71 | 12.34 | 172.21 | -2,408.53 | -1,212.68 | 3,383.66 | 3,356.69 | 26.97 | 125.468 | | | | |
| 6,300.00 | 6,247.89 | 6,208.67 | 6,205.74 | 19.06 | 12.59 | 172.23 | -2,409.34 | -1,212.22 | 3,398.77 | 3,371.31 | 27.46 | 123.750 | | | | |
| 6,400.00 | 6,346.79 | 6,300.32 | 6,297.38 | 19.41 | 12.72 | 172.27 | -2,409.52 | -1,212.56 | 3,413.81 | 3,385.96 | 27.85 | 122.596 | | | | |
| 6,500.00 | 6,445.68 | 6,405.61 | 6,402.67 | 19.76 | 12.78 | 172.33 | -2,409.19 | -1,213.95 | 3,428.86 | 3,400.71 | 28.15 | 121.812 | | | | |
| 6,600.00 | 6,544.58 | 6,517.53 | 6,514.57 | 20.11 | 12.84 | 172.39 | -2,408.33 | -1,215.63 | 3,443.60 | 3,415.14 | 28.46 | 120.996 | | | | |
| 6,700.00 | 6,643.53 | 6,627.29 | 6,624.30 | 20.44 | 12.91 | 159.25 | -2,406.97 | -1,217.65 | 3,457.64 | 3,428.89 | 28.75 | 120.268 | | | | |
| 6,800.00 | 6,743.00 | 6,736.21 | 6,733.19 | 20.62 | 12.99 | 71.16 | -2,404.89 | -1,219.64 | 3,460.10 | 3,431.27 | 28.83 | 120.019 | | | | |
| 6,900.00 | 6,840.75 | 6,814.34 | 6,811.28 | 20.64 | 13.05 | 48.31 | -2,403.60 | -1,221.42 | 3,447.90 | 3,419.67 | 28.23 | 122.133 | | | | |
| 7,000.00 | 6,933.82 | 6,924.92 | 6,921.81 | 20.54 | 13.14 | 43.68 | -2,401.61 | -1,223.99 | 3,421.01 | 3,393.85 | 27.16 | 125.957 | | | | |
| 7,100.00 | 7,019.36 | 7,020.78 | 7,017.62 | 20.31 | 13.23 | 43.91 | -2,399.37 | -1,226.36 | 3,380.20 | 3,354.28 | 25.92 | 130.417 | | | | |
| 7,200.00 | 7,094.79 | 7,111.13 | 7,107.90 | 20.01 | 13.31 | 47.08 | -2,396.80 | -1,228.53 | 3,326.92 | 3,301.86 | 25.06 | 132.773 | | | | |
| 7,300.00 | 7,157.81 | 7,174.16 | 7,170.87 | 19.66 | 13.38 | 52.68 | -2,394.64 | -1,230.33 | 3,263.28 | 3,238.12 | 25.16 | 129.705 | | | | |
| 7,400.00 | 7,206.51 | 7,245.60 | 7,242.21 | 19.29 | 13.45 | 61.56 | -2,391.59 | -1,232.87 | 3,191.52 | 3,164.78 | 26.74 | 119.352 | | | | |
| 7,500.00 | 7,239.40 | 7,305.72 | 7,302.18 | 18.94 | 13.52 | 73.66 | -2,388.16 | -1,235.16 | 3,113.87 | 3,084.69 | 29.18 | 106.725 | | | | |
| 7,600.00 | 7,255.49 | 7,600.00 | 7,283.40 | 18.63 | 13.84 | 86.03 | -2,389.19 | -1,234.45 | 3,033.26 | 3,002.16 | 31.10 | 97.528 | | | | |
| 7,700.00 | 7,256.04 | 7,313.26 | 7,309.69 | 18.39 | 13.53 | 94.52 | -2,387.67 | -1,235.45 | 2,952.28 | 2,920.66 | 31.61 | 93.382 | | | | |
| 7,800.00 | 7,253.91 | 7,297.00 | 7,293.49 | 18.51 | 13.51 | 94.00 | -2,388.71 | -1,234.82 | 2,872.41 | 2,840.36 | 32.05 | 89.636 | | | | |
| 7,900.00 | 7,251.78 | 7,282.07 | 7,278.59 | 19.20 | 13.49 | 93.51 | -2,389.61 | -1,234.25 | 2,793.78 | 2,761.12 | 32.66 | 85.535 | | | | |
| 8,000.00 | 7,249.65 | 7,268.31 | 7,264.86 | 20.08 | 13.48 | 93.06 | -2,390.39 | -1,233.72 | 2,716.52 | 2,683.07 | 33.45 | 81.210 | | | | |
| 8,100.00 | 7,247.53 | 7,255.58 | 7,252.16 | 21.07 | 13.46 | 92.65 | -2,391.07 | -1,233.24 | 2,640.75 | 2,606.36 | 34.39 | 76.787 | | | | |
| 8,200.00 | 7,245.40 | 7,243.78 | 7,240.39 | 22.17 | 13.45 | 92.27 | -2,391.68 | -1,232.80 | 2,566.60 | 2,531.14 | 35.46 | 72.371 | | | | |
| 8,300.00 | 7,243.27 | 7,232.81 | 7,229.43 | 23.36 | 13.44 | 91.91 | -2,392.21 | -1,232.40 | 2,494.23 | 2,457.58 | 36.65 | 68.048 | | | | |
| 8,400.00 | 7,241.14 | 7,222.58 | 7,219.22 | 24.64 | 13.43 | 91.57 | -2,392.68 | -1,232.02 | 2,423.79 | 2,385.85 | 37.94 | 63.881 | | | | |
| 8,500.00 | 7,239.01 | 7,213.02 | 7,209.68 | 25.98 | 13.42 | 91.26 | -2,393.10 | -1,231.68 | 2,355.47 | 2,316.15 | 39.32 | 59.912 | | | | |
| 8,600.00 | 7,236.89 | 7,204.06 | 7,200.73 | 27.39 | 13.41 | 90.97 | -2,393.48 | -1,231.35 | 2,289.44 | 2,248.68 | 40.76 | 56.168 | | | | |
| 8,700.00 | 7,234.76 | 7,200.00 | 7,196.68 | 28.85 | 13.40 | 90.83 | -2,393.64 | -1,231.21 | 2,225.94 | 2,183.64 | 42.29 | 52.629 | | | | |
| 8,800.00 | 7,232.63 | 7,191.55 | 7,188.24 | 30.36 | 13.40 | 90.56 | -2,393.97 | -1,230.91 | 2,165.17 | 2,121.31 | 43.85 | 49.375 | | | | |
| 8,900.00 | 7,230.50 | 7,186.12 | 7,182.82 | 31.91 | 13.39 | 90.38 | -2,394.18 | -1,230.72 | 2,107.38 | 2,061.91 | 45.47 | 46.346 | | | | |
| 9,000.00 | 7,228.38 | 7,180.79 | 7,177.49 | 33.49 | 13.38 | 90.20 | -2,394.39 | -1,230.54 | 2,052.82 | 2,005.69 | 47.13 | 43.561 | | | | |
| 9,100.00 | 7,226.25 | 7,175.54 | 7,172.26 | 35.11 | 13.38 | 90.03 | -2,394.58 | -1,230.37 | 2,001.76 | 1,952.94 | 48.81 | 41.009 | | | | |
| 9,200.00 | 7,224.12 | 7,170.39 | 7,167.11 | 36.75 | 13.37 | 89.86 | -2,394.78 | -1,230.20 | 1,954.47 | 1,903.94 | 50.53 | 38.681 | | | | |
| 9,300.00 | 7,221.99 | 7,165.32 | 7,162.04 | 38.41 | 13.37 | 89.70 | -2,394.96 | -1,230.04 | 1,911.23 | 1,858.96 | 52.27 | 36.567 | | | | |
| 9,400.00 | 7,219.86 | 7,160.33 | 7,157.06 | 40.10 | 13.36 | 89.53 | -2,395.14 | -1,229.89 | 1,872.32 | 1,818.29 | 54.03 | 34.656 | | | | |
| 9,500.00 | 7,217.74 | 7,155.42 | 7,152.16 | 41.80 | 13.36 | 89.37 | -2,395.32 | -1,229.74 | 1,838.02 | 1,782.21 | 55.80 | 32.937 | | | | |
| 9,600.00 | 7,215.61 | 7,150.59 | 7,147.33 | 43.53 | 13.35 | 89.21 | -2,395.49 | -1,229.60 | 1,808.58 | 1,750.99 | 57.60 | 31.400 | | | | |
| 9,700.00 | 7,213.48 | 7,145.84 | 7,142.59 | 45.26 | 13.35 | 89.06 | -2,395.66 | -1,229.46 | 1,784.26 | 1,724.86 | 59.41 | 30.035 | | | | |
| 9,800.00 | 7,211.35 | 7,141.17 | 7,137.92 | 47.01 | 13.34 | 88.90 | -2,395.82 | -1,229.32 | 1,765.27 | 1,704.04 | 61.23 | 28.831 | | | | |
| 9,900.00 | 7,209.22 | 7,136.57 | 7,133.32 | 48.77 | 13.34 | 88.75 | -2,395.97 | -1,229.20 | 1,751.77 | 1,688.71 | 63.06 | 27.779 | | | | |
| 10,000.00 | 7,207.10 | 7,132.04 | 7,128.80 | 50.54 | 13.33 | 88.60 | -2,396.13 | -1,229.07 | 1,743.89 | 1,678.99 | 64.90 | 26.870 | | | | |
| 10,088.00 | 7,205.22 | 7,128.11 | 7,124.88 | 52.11 | 13.33 | 88.47 | -2,396.26 | -1,228.97 | 1,741.67 | 1,675.13 | 66.54 | 26.174 CC | | | | |
| 10,100.00 | 7,204.97 | 7,127.58 | 7,124.35 | 52.32 | 13.33 | 88.46 | -2,396.27 | -1,228.95 | 1,741.72 | 1,674.96 | 66.75 | 26.092 ES | | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|--------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | | | Semi Major Axis | | | Distance | | | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | |
| 10,200.00 | 7,202.84 | 7,123.19 | 7,119.96 | 54.11 | 13.33 | 88.31 | -2,396.42 | -1,228.84 | 1,745.26 | 1,676.65 | 68.61 | 25.437 | | | |
| 10,300.00 | 7,200.71 | 7,118.87 | 7,115.64 | 55.91 | 13.32 | 88.17 | -2,396.56 | -1,228.73 | 1,754.50 | 1,684.02 | 70.48 | 24.895 | | | |
| 10,400.00 | 7,198.59 | 7,114.61 | 7,111.39 | 57.72 | 13.32 | 88.03 | -2,396.69 | -1,228.62 | 1,769.33 | 1,696.98 | 72.35 | 24.455 | | | |
| 10,500.00 | 7,196.46 | 7,110.42 | 7,107.20 | 59.53 | 13.31 | 87.89 | -2,396.82 | -1,228.52 | 1,789.63 | 1,715.40 | 74.23 | 24.110 | | | |
| 10,600.00 | 7,194.33 | 7,100.00 | 7,096.78 | 61.34 | 13.30 | 87.55 | -2,397.14 | -1,228.27 | 1,815.22 | 1,739.16 | 76.06 | 23.865 | | | |
| 10,700.00 | 7,192.20 | 7,100.00 | 7,096.78 | 63.17 | 13.30 | 87.55 | -2,397.14 | -1,228.27 | 1,845.84 | 1,767.86 | 77.98 | 23.670 | | | |
| 10,800.00 | 7,190.07 | 7,097.67 | 7,094.46 | 64.99 | 13.30 | 87.47 | -2,397.22 | -1,228.22 | 1,881.28 | 1,801.39 | 79.89 | 23.549 | | | |
| 10,900.00 | 7,187.95 | 7,092.51 | 7,089.30 | 66.83 | 13.30 | 87.31 | -2,397.37 | -1,228.10 | 1,921.27 | 1,839.49 | 81.77 | 23.495 | | | |
| 11,000.00 | 7,185.82 | 7,087.41 | 7,084.20 | 68.66 | 13.29 | 87.14 | -2,397.52 | -1,227.98 | 1,965.52 | 1,881.85 | 83.67 | 23.493 SF | | | |
| 11,100.00 | 7,183.69 | 7,082.36 | 7,079.16 | 70.50 | 13.29 | 86.97 | -2,397.67 | -1,227.86 | 2,013.76 | 1,928.20 | 85.56 | 23.537 | | | |
| 11,200.00 | 7,181.56 | 7,077.37 | 7,074.17 | 72.35 | 13.28 | 86.81 | -2,397.82 | -1,227.74 | 2,065.70 | 1,978.25 | 87.45 | 23.620 | | | |
| 11,300.00 | 7,179.44 | 7,072.43 | 7,069.23 | 74.19 | 13.28 | 86.65 | -2,397.96 | -1,227.63 | 2,121.08 | 2,031.72 | 89.35 | 23.738 | | | |
| 11,400.00 | 7,177.31 | 7,067.54 | 7,064.35 | 76.04 | 13.27 | 86.49 | -2,398.10 | -1,227.51 | 2,179.62 | 2,088.37 | 91.25 | 23.886 | | | |
| 11,500.00 | 7,175.18 | 7,062.71 | 7,059.52 | 77.90 | 13.27 | 86.33 | -2,398.24 | -1,227.39 | 2,241.10 | 2,147.94 | 93.15 | 24.058 | | | |
| 11,600.00 | 7,173.05 | 7,057.93 | 7,054.74 | 79.75 | 13.26 | 86.17 | -2,398.37 | -1,227.28 | 2,305.26 | 2,210.20 | 95.06 | 24.251 | | | |
| 11,700.00 | 7,170.92 | 7,053.20 | 7,050.02 | 81.61 | 13.26 | 86.02 | -2,398.50 | -1,227.16 | 2,371.89 | 2,274.93 | 96.96 | 24.462 | | | |
| 11,800.00 | 7,168.80 | 7,048.52 | 7,045.34 | 83.47 | 13.25 | 85.86 | -2,398.63 | -1,227.05 | 2,440.79 | 2,341.92 | 98.87 | 24.687 | | | |
| 11,837.41 | 7,168.00 | 7,046.78 | 7,043.60 | 84.17 | 13.25 | 85.80 | -2,398.68 | -1,227.01 | 2,467.12 | 2,367.53 | 99.58 | 24.774 | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | | |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--|---------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | WELD_CAMP 5 PAD - CAMP 15N-26HZ - CAMP 15N-26HZ - CAMP 15N-26HZ (wp02) H&P 307 | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -90.00 | 0.00 | -37.99 | 37.99 | | | | | | | |
| 100.00 | 100.00 | 100.00 | 100.00 | 0.08 | 0.08 | -90.00 | 0.00 | -37.99 | 37.99 | 37.82 | 0.17 | 225.350 | | | | |
| 200.00 | 200.00 | 200.00 | 200.00 | 0.31 | 0.31 | -90.00 | 0.00 | -37.99 | 37.99 | 37.37 | 0.62 | 61.459 | | | | |
| 300.00 | 300.00 | 300.00 | 300.00 | 0.53 | 0.53 | -90.00 | 0.00 | -37.99 | 37.99 | 36.92 | 1.07 | 35.582 | | | | |
| 400.00 | 400.00 | 400.00 | 400.00 | 0.76 | 0.76 | -90.00 | 0.00 | -37.99 | 37.99 | 36.47 | 1.52 | 25.039 | | | | |
| 500.00 | 500.00 | 500.00 | 500.00 | 0.98 | 0.98 | -90.00 | 0.00 | -37.99 | 37.99 | 36.02 | 1.97 | 19.316 | | | | |
| 600.00 | 600.00 | 600.00 | 600.00 | 1.21 | 1.21 | -90.00 | 0.00 | -37.99 | 37.99 | 35.57 | 2.42 | 15.722 | | | | |
| 700.00 | 700.00 | 700.00 | 700.00 | 1.43 | 1.43 | -90.00 | 0.00 | -37.99 | 37.99 | 35.12 | 2.87 | 13.256 | | | | |
| 800.00 | 800.00 | 800.00 | 800.00 | 1.66 | 1.66 | -90.00 | 0.00 | -37.99 | 37.99 | 34.67 | 3.32 | 11.458 | | | | |
| 900.00 | 900.00 | 900.00 | 900.00 | 1.88 | 1.88 | -90.00 | 0.00 | -37.99 | 37.99 | 34.22 | 3.76 | 10.090 | | | | |
| 1,000.00 | 1,000.00 | 1,000.00 | 1,000.00 | 2.11 | 2.11 | -90.00 | 0.00 | -37.99 | 37.99 | 33.77 | 4.21 | 9.014 | | | | |
| 1,100.00 | 1,100.00 | 1,100.00 | 1,100.00 | 2.33 | 2.33 | -90.00 | 0.00 | -37.99 | 37.99 | 33.32 | 4.66 | 8.145 | | | | |
| 1,200.00 | 1,200.00 | 1,200.00 | 1,200.00 | 2.56 | 2.56 | -90.00 | 0.00 | -37.99 | 37.99 | 32.87 | 5.11 | 7.429 | | | | |
| 1,300.00 | 1,300.00 | 1,300.00 | 1,300.00 | 2.78 | 2.78 | -90.00 | 0.00 | -37.99 | 37.99 | 32.43 | 5.56 | 6.829 CC, ES | | | | |
| 1,400.00 | 1,399.98 | 1,398.94 | 1,398.92 | 3.00 | 3.00 | -126.77 | 1.11 | -39.29 | 40.34 | 34.34 | 6.00 | 6.724 SF | | | | |
| 1,500.00 | 1,499.84 | 1,497.56 | 1,497.40 | 3.23 | 3.22 | -127.63 | 4.41 | -43.18 | 47.40 | 40.97 | 6.43 | 7.375 | | | | |
| 1,600.00 | 1,599.45 | 1,595.52 | 1,594.99 | 3.45 | 3.44 | -128.59 | 9.86 | -49.59 | 59.14 | 52.28 | 6.85 | 8.629 | | | | |
| 1,700.00 | 1,698.70 | 1,692.50 | 1,691.28 | 3.69 | 3.67 | -129.37 | 17.39 | -58.44 | 75.53 | 68.24 | 7.29 | 10.362 | | | | |
| 1,800.00 | 1,797.61 | 1,788.35 | 1,785.99 | 3.95 | 3.93 | -129.74 | 26.89 | -69.63 | 95.89 | 88.14 | 7.75 | 12.374 | | | | |
| 1,900.00 | 1,896.51 | 1,884.66 | 1,880.70 | 4.22 | 4.21 | -129.11 | 38.21 | -82.94 | 118.35 | 110.11 | 8.24 | 14.365 | | | | |
| 2,000.00 | 1,995.40 | 1,982.03 | 1,976.39 | 4.51 | 4.51 | -128.57 | 49.88 | -96.67 | 141.07 | 132.32 | 8.75 | 16.124 | | | | |
| 2,100.00 | 2,094.30 | 2,079.41 | 2,072.09 | 4.80 | 4.83 | -128.18 | 61.55 | -110.40 | 163.80 | 154.53 | 9.27 | 17.661 | | | | |
| 2,200.00 | 2,193.19 | 2,176.79 | 2,167.78 | 5.10 | 5.16 | -127.89 | 73.22 | -124.13 | 186.54 | 176.73 | 9.81 | 19.009 | | | | |
| 2,300.00 | 2,292.09 | 2,274.16 | 2,263.48 | 5.41 | 5.50 | -127.66 | 84.89 | -137.86 | 209.28 | 198.92 | 10.36 | 20.197 | | | | |
| 2,400.00 | 2,390.98 | 2,371.54 | 2,359.17 | 5.72 | 5.85 | -127.48 | 96.56 | -151.59 | 232.03 | 221.11 | 10.92 | 21.248 | | | | |
| 2,500.00 | 2,489.88 | 2,468.92 | 2,454.87 | 6.04 | 6.20 | -127.32 | 108.24 | -165.32 | 254.78 | 243.29 | 11.49 | 22.181 | | | | |
| 2,600.00 | 2,588.77 | 2,566.29 | 2,550.56 | 6.36 | 6.56 | -127.20 | 119.91 | -179.05 | 277.52 | 265.47 | 12.06 | 23.014 | | | | |
| 2,700.00 | 2,687.67 | 2,663.67 | 2,646.26 | 6.68 | 6.93 | -127.09 | 131.58 | -192.78 | 300.27 | 287.64 | 12.64 | 23.761 | | | | |
| 2,800.00 | 2,786.56 | 2,761.05 | 2,741.95 | 7.01 | 7.30 | -127.00 | 143.25 | -206.51 | 323.02 | 309.80 | 13.22 | 24.433 | | | | |
| 2,900.00 | 2,885.46 | 2,858.42 | 2,837.64 | 7.34 | 7.67 | -126.92 | 154.92 | -220.24 | 345.77 | 331.96 | 13.81 | 25.041 | | | | |
| 3,000.00 | 2,984.36 | 2,955.80 | 2,933.34 | 7.67 | 8.05 | -126.85 | 166.59 | -233.96 | 368.52 | 354.12 | 14.40 | 25.592 | | | | |
| 3,100.00 | 3,083.25 | 3,053.18 | 3,029.03 | 8.00 | 8.42 | -126.79 | 178.26 | -247.69 | 391.28 | 376.28 | 15.00 | 26.093 | | | | |
| 3,200.00 | 3,182.15 | 3,150.55 | 3,124.73 | 8.34 | 8.80 | -126.73 | 189.93 | -261.42 | 414.03 | 398.43 | 15.59 | 26.552 | | | | |
| 3,300.00 | 3,281.04 | 3,247.93 | 3,220.42 | 8.67 | 9.19 | -126.68 | 201.60 | -275.15 | 436.78 | 420.59 | 16.19 | 26.972 | | | | |
| 3,400.00 | 3,379.94 | 3,345.31 | 3,316.12 | 9.01 | 9.57 | -126.64 | 213.27 | -288.88 | 459.53 | 442.74 | 16.80 | 27.358 | | | | |
| 3,500.00 | 3,478.83 | 3,442.68 | 3,411.81 | 9.35 | 9.96 | -126.60 | 224.94 | -302.61 | 482.29 | 464.88 | 17.40 | 27.714 | | | | |
| 3,600.00 | 3,577.73 | 3,540.06 | 3,507.51 | 9.69 | 10.35 | -126.56 | 236.61 | -316.34 | 505.04 | 487.03 | 18.01 | 28.043 | | | | |
| 3,700.00 | 3,676.62 | 3,637.44 | 3,603.20 | 10.03 | 10.74 | -126.52 | 248.28 | -330.07 | 527.79 | 509.17 | 18.62 | 28.347 | | | | |
| 3,800.00 | 3,775.52 | 3,734.81 | 3,698.90 | 10.37 | 11.12 | -126.49 | 259.95 | -343.80 | 550.55 | 531.32 | 19.23 | 28.631 | | | | |
| 3,900.00 | 3,874.41 | 3,832.19 | 3,794.59 | 10.72 | 11.52 | -126.47 | 271.62 | -357.53 | 573.30 | 553.46 | 19.84 | 28.894 | | | | |
| 4,000.00 | 3,973.31 | 3,929.57 | 3,890.29 | 11.06 | 11.91 | -126.44 | 283.29 | -371.26 | 596.05 | 575.60 | 20.45 | 29.140 | | | | |
| 4,100.00 | 4,072.20 | 4,026.94 | 3,985.98 | 11.40 | 12.30 | -126.42 | 294.97 | -384.99 | 618.81 | 597.74 | 21.07 | 29.371 | | | | |
| 4,200.00 | 4,171.10 | 4,124.32 | 4,081.68 | 11.75 | 12.69 | -126.39 | 306.64 | -398.72 | 641.56 | 619.88 | 21.68 | 29.586 | | | | |
| 4,300.00 | 4,269.99 | 4,221.70 | 4,177.37 | 12.09 | 13.09 | -126.37 | 318.31 | -412.45 | 664.31 | 642.01 | 22.30 | 29.788 | | | | |
| 4,400.00 | 4,368.89 | 4,319.07 | 4,273.07 | 12.44 | 13.48 | -126.35 | 329.98 | -426.18 | 687.07 | 664.15 | 22.92 | 29.979 | | | | |
| 4,500.00 | 4,467.78 | 4,416.45 | 4,368.76 | 12.78 | 13.88 | -126.33 | 341.65 | -439.91 | 709.82 | 686.29 | 23.54 | 30.158 | | | | |
| 4,600.00 | 4,566.68 | 4,513.83 | 4,464.46 | 13.13 | 14.27 | -126.32 | 353.32 | -453.64 | 732.58 | 708.42 | 24.16 | 30.327 | | | | |
| 4,700.00 | 4,665.57 | 4,611.20 | 4,560.15 | 13.48 | 14.67 | -126.30 | 364.99 | -467.37 | 755.33 | 730.55 | 24.78 | 30.487 | | | | |
| 4,800.00 | 4,764.47 | 4,708.58 | 4,655.85 | 13.82 | 15.07 | -126.29 | 376.66 | -481.09 | 778.08 | 752.69 | 25.40 | 30.638 | | | | |
| 4,900.00 | 4,863.36 | 4,805.96 | 4,751.54 | 14.17 | 15.46 | -126.27 | 388.33 | -494.82 | 800.84 | 774.82 | 26.02 | 30.781 | | | | |
| 5,000.00 | 4,962.26 | 4,903.33 | 4,847.24 | 14.52 | 15.86 | -126.26 | 400.00 | -508.55 | 823.59 | 796.95 | 26.64 | 30.917 | | | | |
| 5,100.00 | 5,061.15 | 5,000.71 | 4,942.93 | 14.87 | 16.26 | -126.24 | 411.67 | -522.28 | 846.35 | 819.09 | 27.26 | 31.046 | | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | | |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--|---------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | WELD_CAMP 5 PAD - CAMP 15N-26HZ - CAMP 15N-26HZ - CAMP 15N-26HZ (wp02) H&P 307 | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | | |
| 5,200.00 | 5,160.05 | 5,098.09 | 5,038.63 | 15.21 | 16.66 | -126.23 | 423.34 | -536.01 | 869.10 | 841.22 | 27.88 | 31.169 | | | | |
| 5,300.00 | 5,258.94 | 5,195.46 | 5,134.32 | 15.56 | 17.05 | -126.22 | 435.01 | -549.74 | 891.86 | 863.35 | 28.51 | 31.286 | | | | |
| 5,400.00 | 5,357.84 | 5,292.84 | 5,230.02 | 15.91 | 17.45 | -126.21 | 446.68 | -563.47 | 914.61 | 885.48 | 29.13 | 31.397 | | | | |
| 5,500.00 | 5,456.73 | 5,390.22 | 5,325.71 | 16.26 | 17.85 | -126.20 | 458.35 | -577.20 | 937.37 | 907.61 | 29.75 | 31.503 | | | | |
| 5,600.00 | 5,555.63 | 5,487.59 | 5,421.41 | 16.61 | 18.25 | -126.19 | 470.02 | -590.93 | 960.12 | 929.74 | 30.38 | 31.605 | | | | |
| 5,700.00 | 5,654.52 | 5,584.97 | 5,517.10 | 16.96 | 18.65 | -126.18 | 481.69 | -604.66 | 982.87 | 951.87 | 31.00 | 31.702 | | | | |
| 5,800.00 | 5,753.42 | 5,682.35 | 5,612.80 | 17.31 | 19.05 | -126.17 | 493.37 | -618.39 | 1,005.63 | 974.00 | 31.63 | 31.795 | | | | |
| 5,900.00 | 5,852.31 | 5,779.72 | 5,708.49 | 17.66 | 19.45 | -126.16 | 505.04 | -632.12 | 1,028.38 | 996.13 | 32.25 | 31.884 | | | | |
| 6,000.00 | 5,951.21 | 5,877.10 | 5,804.19 | 18.01 | 19.85 | -126.15 | 516.71 | -645.85 | 1,051.14 | 1,018.26 | 32.88 | 31.969 | | | | |
| 6,100.00 | 6,050.10 | 5,974.48 | 5,899.88 | 18.36 | 20.25 | -126.15 | 528.38 | -659.58 | 1,073.89 | 1,040.39 | 33.51 | 32.051 | | | | |
| 6,200.00 | 6,149.00 | 6,071.85 | 5,995.57 | 18.71 | 20.65 | -126.14 | 540.05 | -673.31 | 1,096.65 | 1,062.52 | 34.13 | 32.129 | | | | |
| 6,300.00 | 6,247.89 | 6,169.23 | 6,091.27 | 19.06 | 21.05 | -126.13 | 551.72 | -687.04 | 1,119.40 | 1,084.64 | 34.76 | 32.205 | | | | |
| 6,400.00 | 6,346.79 | 6,266.61 | 6,186.96 | 19.41 | 21.45 | -126.12 | 563.39 | -700.77 | 1,142.16 | 1,106.77 | 35.39 | 32.278 | | | | |
| 6,500.00 | 6,445.68 | 6,363.98 | 6,282.66 | 19.76 | 21.85 | -126.12 | 575.06 | -714.49 | 1,164.91 | 1,128.90 | 36.01 | 32.347 | | | | |
| 6,600.00 | 6,544.58 | 6,461.36 | 6,378.35 | 20.11 | 22.25 | -126.11 | 586.73 | -728.22 | 1,187.67 | 1,151.03 | 36.64 | 32.415 | | | | |
| 6,700.00 | 6,643.53 | 6,558.73 | 6,474.04 | 20.44 | 22.65 | -139.74 | 598.40 | -741.95 | 1,210.43 | 1,173.15 | 37.28 | 32.470 | | | | |
| 6,800.00 | 6,743.00 | 6,655.09 | 6,568.73 | 20.62 | 23.05 | 130.39 | 609.95 | -755.54 | 1,233.19 | 1,195.37 | 37.82 | 32.604 | | | | |
| 6,900.00 | 6,840.75 | 6,749.73 | 6,662.07 | 20.64 | 23.36 | 105.53 | 617.18 | -768.94 | 1,255.86 | 1,217.72 | 38.14 | 32.931 | | | | |
| 7,000.00 | 6,933.82 | 6,848.52 | 6,759.37 | 20.54 | 23.53 | 97.89 | 608.70 | -782.95 | 1,278.08 | 1,239.93 | 38.15 | 33.503 | | | | |
| 7,100.00 | 7,019.36 | 6,952.94 | 6,859.02 | 20.31 | 23.58 | 94.09 | 581.54 | -797.33 | 1,299.20 | 1,261.33 | 37.87 | 34.304 | | | | |
| 7,200.00 | 7,094.79 | 7,064.02 | 6,957.78 | 20.01 | 23.48 | 91.82 | 533.15 | -811.65 | 1,318.51 | 1,281.17 | 37.35 | 35.306 | | | | |
| 7,300.00 | 7,157.81 | 7,182.56 | 7,050.86 | 19.66 | 23.26 | 90.39 | 461.37 | -825.19 | 1,335.29 | 1,298.63 | 36.66 | 36.426 | | | | |
| 7,400.00 | 7,206.51 | 7,308.82 | 7,131.68 | 19.29 | 22.92 | 89.51 | 365.43 | -837.04 | 1,348.80 | 1,312.85 | 35.96 | 37.512 | | | | |
| 7,500.00 | 7,239.40 | 7,442.16 | 7,192.31 | 18.94 | 22.53 | 89.02 | 247.34 | -846.03 | 1,358.37 | 1,322.92 | 35.45 | 38.318 | | | | |
| 7,600.00 | 7,255.49 | 7,580.72 | 7,224.98 | 18.63 | 22.16 | 88.83 | 113.14 | -851.04 | 1,363.44 | 1,328.08 | 35.36 | 38.559 | | | | |
| 7,700.00 | 7,256.04 | 7,703.31 | 7,228.21 | 18.39 | 21.95 | 88.83 | -9.28 | -851.80 | 1,364.17 | 1,328.41 | 35.77 | 38.142 | | | | |
| 7,800.00 | 7,253.91 | 7,803.31 | 7,226.42 | 18.51 | 21.94 | 88.85 | -109.27 | -851.80 | 1,364.17 | 1,327.62 | 36.55 | 37.324 | | | | |
| 7,900.00 | 7,251.78 | 7,903.31 | 7,224.63 | 19.20 | 22.12 | 88.86 | -209.25 | -851.80 | 1,364.16 | 1,326.45 | 37.71 | 36.179 | | | | |
| 8,000.00 | 7,249.65 | 8,003.31 | 7,222.84 | 20.08 | 22.53 | 88.87 | -309.23 | -851.80 | 1,364.15 | 1,324.95 | 39.20 | 34.798 | | | | |
| 8,100.00 | 7,247.53 | 8,103.31 | 7,221.05 | 21.07 | 23.18 | 88.89 | -409.22 | -851.80 | 1,364.15 | 1,323.15 | 41.00 | 33.271 | | | | |
| 8,200.00 | 7,245.40 | 8,203.31 | 7,219.26 | 22.17 | 24.04 | 88.90 | -509.20 | -851.80 | 1,364.14 | 1,321.08 | 43.06 | 31.676 | | | | |
| 8,300.00 | 7,243.27 | 8,303.31 | 7,217.47 | 23.36 | 25.05 | 88.92 | -609.18 | -851.80 | 1,364.14 | 1,318.78 | 45.36 | 30.076 | | | | |
| 8,400.00 | 7,241.14 | 8,403.31 | 7,215.68 | 24.64 | 26.19 | 88.93 | -709.17 | -851.80 | 1,364.13 | 1,316.28 | 47.84 | 28.512 | | | | |
| 8,500.00 | 7,239.01 | 8,503.31 | 7,213.89 | 25.98 | 27.42 | 88.94 | -809.15 | -851.80 | 1,364.12 | 1,313.62 | 50.50 | 27.013 | | | | |
| 8,600.00 | 7,236.89 | 8,603.31 | 7,212.09 | 27.39 | 28.72 | 88.96 | -909.13 | -851.80 | 1,364.12 | 1,310.82 | 53.30 | 25.595 | | | | |
| 8,700.00 | 7,234.76 | 8,703.30 | 7,210.30 | 28.85 | 30.10 | 88.97 | -1,009.12 | -851.80 | 1,364.11 | 1,307.90 | 56.21 | 24.267 | | | | |
| 8,800.00 | 7,232.63 | 8,803.30 | 7,208.51 | 30.36 | 31.53 | 88.99 | -1,109.10 | -851.80 | 1,364.11 | 1,304.87 | 59.23 | 23.029 | | | | |
| 8,900.00 | 7,230.50 | 8,903.30 | 7,206.72 | 31.91 | 33.00 | 89.00 | -1,209.08 | -851.80 | 1,364.10 | 1,301.76 | 62.34 | 21.881 | | | | |
| 9,000.00 | 7,228.38 | 9,003.30 | 7,204.93 | 33.49 | 34.52 | 89.02 | -1,309.07 | -851.80 | 1,364.09 | 1,298.57 | 65.53 | 20.818 | | | | |
| 9,100.00 | 7,226.25 | 9,103.30 | 7,203.14 | 35.11 | 36.08 | 89.03 | -1,409.05 | -851.80 | 1,364.09 | 1,295.31 | 68.77 | 19.834 | | | | |
| 9,200.00 | 7,224.12 | 9,203.30 | 7,201.35 | 36.75 | 37.67 | 89.04 | -1,509.03 | -851.80 | 1,364.08 | 1,292.00 | 72.08 | 18.925 | | | | |
| 9,300.00 | 7,221.99 | 9,303.30 | 7,199.56 | 38.41 | 39.28 | 89.06 | -1,609.02 | -851.80 | 1,364.08 | 1,288.64 | 75.43 | 18.083 | | | | |
| 9,400.00 | 7,219.86 | 9,403.30 | 7,197.77 | 40.10 | 40.92 | 89.07 | -1,709.00 | -851.80 | 1,364.07 | 1,285.24 | 78.83 | 17.304 | | | | |
| 9,500.00 | 7,217.74 | 9,503.30 | 7,195.97 | 41.80 | 42.58 | 89.09 | -1,808.98 | -851.80 | 1,364.07 | 1,281.80 | 82.26 | 16.582 | | | | |
| 9,600.00 | 7,215.61 | 9,603.30 | 7,194.18 | 43.53 | 44.26 | 89.10 | -1,908.97 | -851.80 | 1,364.06 | 1,278.33 | 85.73 | 15.911 | | | | |
| 9,700.00 | 7,213.48 | 9,703.30 | 7,192.39 | 45.26 | 45.96 | 89.11 | -2,008.95 | -851.80 | 1,364.06 | 1,274.83 | 89.22 | 15.288 | | | | |
| 9,800.00 | 7,211.35 | 9,803.30 | 7,190.60 | 47.01 | 47.67 | 89.13 | -2,108.93 | -851.80 | 1,364.05 | 1,271.31 | 92.75 | 14.707 | | | | |
| 9,900.00 | 7,209.22 | 9,903.30 | 7,188.81 | 48.77 | 49.40 | 89.14 | -2,208.92 | -851.80 | 1,364.05 | 1,267.76 | 96.29 | 14.166 | | | | |
| 10,000.00 | 7,207.10 | 10,003.30 | 7,187.02 | 50.54 | 51.13 | 89.16 | -2,308.90 | -851.80 | 1,364.04 | 1,264.19 | 99.86 | 13.660 | | | | |
| 10,100.00 | 7,204.97 | 10,103.30 | 7,185.23 | 52.32 | 52.89 | 89.17 | -2,408.88 | -851.80 | 1,364.04 | 1,260.60 | 103.44 | 13.187 | | | | |
| 10,200.00 | 7,202.84 | 10,203.30 | 7,183.44 | 54.11 | 54.65 | 89.18 | -2,508.87 | -851.80 | 1,364.03 | 1,256.99 | 107.04 | 12.743 | | | | |
| 10,300.00 | 7,200.71 | 10,303.30 | 7,181.65 | 55.91 | 56.42 | 89.20 | -2,608.85 | -851.80 | 1,364.03 | 1,253.38 | 110.65 | 12.327 | | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 ft | | |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|--|-------------------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | WELD_CAMP 5 PAD - CAMP 15N-26HZ - CAMP 15N-26HZ - CAMP 15N-26HZ (wp02) H&P 307 | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | Warning | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | | Separation Factor | | |
| 10,400.00 | 7,198.59 | 10,403.30 | 7,179.85 | 57.72 | 58.20 | 89.21 | -2,708.83 | -851.80 | 1,364.02 | 1,249.74 | 114.28 | 11.936 | | | |
| 10,500.00 | 7,196.46 | 10,503.29 | 7,178.06 | 59.53 | 59.98 | 89.23 | -2,808.82 | -851.80 | 1,364.02 | 1,246.10 | 117.92 | 11.567 | | | |
| 10,600.00 | 7,194.33 | 10,603.29 | 7,176.27 | 61.34 | 61.78 | 89.24 | -2,908.80 | -851.81 | 1,364.01 | 1,242.44 | 121.57 | 11.220 | | | |
| 10,700.00 | 7,192.20 | 10,703.29 | 7,174.48 | 63.17 | 63.58 | 89.26 | -3,008.78 | -851.81 | 1,364.01 | 1,238.78 | 125.23 | 10.892 | | | |
| 10,800.00 | 7,190.07 | 10,803.29 | 7,172.69 | 64.99 | 65.38 | 89.27 | -3,108.77 | -851.81 | 1,364.01 | 1,235.10 | 128.90 | 10.582 | | | |
| 10,900.00 | 7,187.95 | 10,903.29 | 7,170.90 | 66.83 | 67.20 | 89.28 | -3,208.75 | -851.81 | 1,364.00 | 1,231.42 | 132.58 | 10.288 | | | |
| 11,000.00 | 7,185.82 | 11,003.29 | 7,169.11 | 68.66 | 69.01 | 89.30 | -3,308.73 | -851.81 | 1,364.00 | 1,227.73 | 136.27 | 10.010 | | | |
| 11,100.00 | 7,183.69 | 11,103.29 | 7,167.32 | 70.50 | 70.84 | 89.31 | -3,408.72 | -851.81 | 1,363.99 | 1,224.03 | 139.96 | 9.745 | | | |
| 11,200.00 | 7,181.56 | 11,203.29 | 7,165.53 | 72.35 | 72.66 | 89.33 | -3,508.70 | -851.81 | 1,363.99 | 1,220.32 | 143.67 | 9.494 | | | |
| 11,300.00 | 7,179.44 | 11,303.29 | 7,163.73 | 74.19 | 74.49 | 89.34 | -3,608.68 | -851.81 | 1,363.99 | 1,216.61 | 147.37 | 9.255 | | | |
| 11,400.00 | 7,177.31 | 11,403.29 | 7,161.94 | 76.04 | 76.33 | 89.35 | -3,708.67 | -851.81 | 1,363.98 | 1,212.90 | 151.09 | 9.028 | | | |
| 11,500.00 | 7,175.18 | 11,503.29 | 7,160.15 | 77.90 | 78.16 | 89.37 | -3,808.65 | -851.81 | 1,363.98 | 1,209.17 | 154.80 | 8.811 | | | |
| 11,600.00 | 7,173.05 | 11,603.29 | 7,158.36 | 79.75 | 80.01 | 89.38 | -3,908.63 | -851.81 | 1,363.98 | 1,205.45 | 158.53 | 8.604 | | | |
| 11,700.00 | 7,170.92 | 11,703.29 | 7,156.57 | 81.61 | 81.85 | 89.40 | -4,008.62 | -851.81 | 1,363.97 | 1,201.72 | 162.26 | 8.406 | | | |
| 11,800.00 | 7,168.80 | 11,803.29 | 7,154.78 | 83.47 | 83.70 | 89.41 | -4,108.60 | -851.81 | 1,363.97 | 1,197.98 | 165.99 | 8.217 | | | |
| 11,837.41 | 7,168.00 | 11,840.70 | 7,154.11 | 84.17 | 84.39 | 89.42 | -4,146.01 | -851.81 | 1,363.97 | 1,196.58 | 167.38 | 8.149 | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|---------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|---------|
| Survey Program: 3591-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | |
| 0.00 | 0.00 | 3,546.00 | 3,539.44 | 0.00 | 0.00 | -115.39 | -716.59 | -1,510.11 | 3,956.83 | | | | | | |
| 100.00 | 100.00 | 3,546.00 | 3,539.44 | 0.08 | 0.00 | -115.39 | -716.59 | -1,510.11 | 3,866.42 | 3,866.33 | 0.08 | N/A | | | |
| 200.00 | 200.00 | 3,546.00 | 3,539.44 | 0.31 | 0.00 | -115.39 | -716.59 | -1,510.11 | 3,776.49 | 3,776.18 | 0.31 | N/A | | | |
| 300.00 | 300.00 | 3,546.00 | 3,539.44 | 0.53 | 0.00 | -115.39 | -716.59 | -1,510.11 | 3,687.09 | 3,686.55 | 0.53 | 6,904.406 | | | |
| 400.00 | 400.00 | 3,546.00 | 3,539.44 | 0.76 | 0.00 | -115.39 | -716.59 | -1,510.11 | 3,598.24 | 3,597.48 | 0.76 | 4,742.103 | | | |
| 500.00 | 500.00 | 3,546.00 | 3,539.44 | 0.98 | 0.00 | -115.39 | -716.59 | -1,510.11 | 3,509.99 | 3,509.01 | 0.98 | 3,568.690 | | | |
| 600.00 | 600.00 | 3,546.00 | 3,539.44 | 1.21 | 0.00 | -115.39 | -716.59 | -1,510.11 | 3,422.39 | 3,421.18 | 1.21 | 2,832.359 | | | |
| 700.00 | 700.00 | 3,546.00 | 3,539.44 | 1.43 | 0.00 | -115.39 | -716.59 | -1,510.11 | 3,335.48 | 3,334.05 | 1.43 | 2,327.488 | | | |
| 800.00 | 800.00 | 3,546.00 | 3,539.44 | 1.66 | 0.00 | -115.39 | -716.59 | -1,510.11 | 3,249.33 | 3,247.68 | 1.66 | 1,959.969 | | | |
| 900.00 | 900.00 | 3,546.00 | 3,539.44 | 1.88 | 0.00 | -115.39 | -716.59 | -1,510.11 | 3,164.00 | 3,162.12 | 1.88 | 1,680.639 | | | |
| 1,000.00 | 1,000.00 | 3,546.00 | 3,539.44 | 2.11 | 0.00 | -115.39 | -716.59 | -1,510.11 | 3,079.54 | 3,077.44 | 2.11 | 1,461.313 | | | |
| 1,100.00 | 1,100.00 | 3,546.00 | 3,539.44 | 2.33 | 0.00 | -115.39 | -716.59 | -1,510.11 | 2,996.05 | 2,993.72 | 2.33 | 1,284.674 | | | |
| 1,200.00 | 1,200.00 | 3,546.00 | 3,539.44 | 2.56 | 0.00 | -115.39 | -716.59 | -1,510.11 | 2,913.59 | 2,911.04 | 2.56 | 1,139.496 | | | |
| 1,300.00 | 1,300.00 | 3,546.00 | 3,539.44 | 2.78 | 0.00 | -115.39 | -716.59 | -1,510.11 | 2,832.27 | 2,829.48 | 2.78 | 1,018.186 | | | |
| 1,400.00 | 1,399.98 | 3,546.00 | 3,539.44 | 3.00 | 0.00 | -152.99 | -716.59 | -1,510.11 | 2,753.12 | 2,750.11 | 3.01 | 914.867 | | | |
| 1,500.00 | 1,499.84 | 3,546.00 | 3,539.44 | 3.23 | 0.00 | -154.03 | -716.59 | -1,510.11 | 2,677.39 | 2,674.16 | 3.23 | 828.306 | | | |
| 1,600.00 | 1,599.45 | 3,546.00 | 3,539.44 | 3.45 | 0.00 | -154.92 | -716.59 | -1,510.11 | 2,605.48 | 2,602.02 | 3.45 | 754.203 | | | |
| 1,700.00 | 1,698.70 | 3,546.00 | 3,539.44 | 3.69 | 0.00 | -155.69 | -716.59 | -1,510.11 | 2,537.79 | 2,534.11 | 3.68 | 690.109 | | | |
| 1,800.00 | 1,797.61 | 3,546.00 | 3,539.44 | 3.95 | 0.00 | -155.87 | -716.59 | -1,510.11 | 2,474.08 | 2,470.18 | 3.90 | 633.805 | | | |
| 1,900.00 | 1,896.51 | 3,546.00 | 3,539.44 | 4.22 | 0.00 | -155.87 | -716.59 | -1,510.11 | 2,412.93 | 2,408.79 | 4.13 | 583.612 | | | |
| 2,000.00 | 1,995.40 | 3,546.00 | 3,539.44 | 4.51 | 0.00 | -155.87 | -716.59 | -1,510.11 | 2,354.43 | 2,350.06 | 4.37 | 538.857 | | | |
| 2,100.00 | 2,094.30 | 3,546.00 | 3,539.44 | 4.80 | 0.00 | -155.87 | -716.59 | -1,510.11 | 2,298.79 | 2,294.19 | 4.61 | 498.932 | | | |
| 2,200.00 | 2,193.19 | 3,546.00 | 3,539.44 | 5.10 | 0.00 | -155.87 | -716.59 | -1,510.11 | 2,246.24 | 2,241.39 | 4.85 | 463.298 | | | |
| 2,300.00 | 2,292.09 | 3,546.00 | 3,539.44 | 5.41 | 0.00 | -155.87 | -716.59 | -1,510.11 | 2,196.97 | 2,191.88 | 5.09 | 431.481 | | | |
| 2,400.00 | 2,390.98 | 3,546.00 | 3,539.44 | 5.72 | 0.00 | -155.87 | -716.59 | -1,510.11 | 2,151.24 | 2,145.90 | 5.34 | 403.072 | | | |
| 2,500.00 | 2,489.88 | 3,546.00 | 3,539.44 | 6.04 | 0.00 | -155.87 | -716.59 | -1,510.11 | 2,109.25 | 2,103.67 | 5.58 | 377.711 | | | |
| 2,600.00 | 2,588.77 | 3,546.00 | 3,539.44 | 6.36 | 0.00 | -155.87 | -716.59 | -1,510.11 | 2,071.25 | 2,065.41 | 5.83 | 355.087 | | | |
| 2,700.00 | 2,687.67 | 3,546.00 | 3,539.44 | 6.68 | 0.00 | -155.87 | -716.59 | -1,510.11 | 2,037.45 | 2,031.36 | 6.08 | 334.931 | | | |
| 2,800.00 | 2,786.56 | 3,546.00 | 3,539.44 | 7.01 | 0.00 | -155.87 | -716.59 | -1,510.11 | 2,008.06 | 2,001.73 | 6.33 | 317.003 | | | |
| 2,900.00 | 2,885.46 | 3,546.00 | 3,539.44 | 7.34 | 0.00 | -155.87 | -716.59 | -1,510.11 | 1,983.29 | 1,976.70 | 6.59 | 301.095 | | | |
| 3,000.00 | 2,984.36 | 3,546.00 | 3,539.44 | 7.67 | 0.00 | -155.87 | -716.59 | -1,510.11 | 1,963.30 | 1,956.46 | 6.84 | 287.022 | | | |
| 3,100.00 | 3,083.25 | 3,546.00 | 3,539.44 | 8.00 | 0.00 | -155.87 | -716.59 | -1,510.11 | 1,948.25 | 1,941.16 | 7.09 | 274.617 | | | |
| 3,200.00 | 3,182.15 | 3,546.00 | 3,539.44 | 8.34 | 0.00 | -155.87 | -716.59 | -1,510.11 | 1,938.25 | 1,930.90 | 7.35 | 263.730 | | | |
| 3,300.00 | 3,281.04 | 3,546.00 | 3,539.44 | 8.67 | 0.00 | -155.87 | -716.59 | -1,510.11 | 1,933.37 | 1,925.77 | 7.60 | 254.224 | | | |
| 3,344.39 | 3,324.94 | 3,546.00 | 3,539.44 | 8.82 | 0.00 | -155.87 | -716.59 | -1,510.11 | 1,932.86 | 1,925.14 | 7.72 | 250.396 | CC, ES | | |
| 3,400.00 | 3,379.94 | 3,546.00 | 3,539.44 | 9.01 | 0.00 | -155.87 | -716.59 | -1,510.11 | 1,933.66 | 1,925.80 | 7.86 | 245.919 | | | |
| 3,500.00 | 3,478.83 | 3,546.00 | 3,539.44 | 9.35 | 0.00 | -155.87 | -716.59 | -1,510.11 | 1,939.11 | 1,930.99 | 8.12 | 238.743 | | | |
| 3,600.00 | 3,577.73 | 3,591.00 | 3,584.39 | 9.69 | 0.10 | -155.91 | -714.66 | -1,509.41 | 1,948.85 | 1,940.28 | 8.57 | 227.444 | | | |
| 3,700.00 | 3,676.62 | 3,673.13 | 3,666.40 | 10.03 | 0.29 | -155.94 | -710.29 | -1,510.12 | 1,960.46 | 1,951.48 | 8.98 | 218.257 | | | |
| 3,800.00 | 3,775.52 | 3,748.04 | 3,741.20 | 10.37 | 0.48 | -155.96 | -706.39 | -1,511.16 | 1,972.68 | 1,963.26 | 9.42 | 209.419 | | | |
| 3,900.00 | 3,874.41 | 3,847.47 | 3,840.41 | 10.72 | 0.75 | -155.94 | -700.51 | -1,514.00 | 1,985.79 | 1,975.86 | 9.93 | 199.912 | | | |
| 4,000.00 | 3,973.31 | 3,924.23 | 3,916.92 | 11.06 | 0.95 | -155.89 | -694.97 | -1,516.95 | 1,999.14 | 1,988.74 | 10.40 | 192.283 | | | |
| 4,100.00 | 4,072.20 | 4,022.22 | 4,014.44 | 11.40 | 1.22 | -155.79 | -687.14 | -1,522.45 | 2,013.59 | 2,002.67 | 10.92 | 184.371 | | | |
| 4,200.00 | 4,171.10 | 4,149.45 | 4,140.50 | 11.75 | 1.58 | -155.52 | -672.06 | -1,530.41 | 2,026.68 | 2,015.14 | 11.54 | 175.589 | | | |
| 4,300.00 | 4,269.99 | 4,268.26 | 4,257.86 | 12.09 | 1.93 | -155.21 | -655.23 | -1,538.17 | 2,038.99 | 2,026.83 | 12.15 | 167.772 | | | |
| 4,400.00 | 4,368.89 | 4,356.00 | 4,344.61 | 12.44 | 2.18 | -154.99 | -643.08 | -1,543.28 | 2,050.88 | 2,038.21 | 12.67 | 161.807 | | | |
| 4,500.00 | 4,467.78 | 4,446.00 | 4,433.69 | 12.78 | 2.44 | -154.79 | -631.40 | -1,548.61 | 2,063.31 | 2,050.10 | 13.20 | 156.273 | | | |
| 4,600.00 | 4,566.68 | 4,587.45 | 4,573.76 | 13.13 | 2.85 | -154.49 | -613.27 | -1,556.26 | 2,075.49 | 2,061.61 | 13.88 | 149.516 | | | |
| 4,700.00 | 4,665.57 | 4,725.25 | 4,710.01 | 13.48 | 3.25 | -154.18 | -593.25 | -1,561.15 | 2,085.07 | 2,070.52 | 14.55 | 143.292 | | | |
| 4,800.00 | 4,764.47 | 4,824.52 | 4,808.26 | 13.82 | 3.53 | -153.99 | -579.28 | -1,563.65 | 2,094.08 | 2,078.97 | 15.11 | 138.625 | | | |
| 4,900.00 | 4,863.36 | 4,920.58 | 4,903.44 | 14.17 | 3.81 | -153.82 | -566.49 | -1,565.77 | 2,103.18 | 2,087.53 | 15.65 | 134.384 | | | |
| 5,000.00 | 4,962.26 | 5,009.24 | 4,991.13 | 14.52 | 4.06 | -153.63 | -553.76 | -1,568.46 | 2,112.58 | 2,096.40 | 16.18 | 130.578 | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|---------------------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|---------|
| Survey Program: 3591-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | | | Offset | | | Semi Major Axis | | Distance | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | |
| 5,100.00 | 5,061.15 | 5,086.68 | 5,067.74 | 14.87 | 4.29 | -153.47 | -542.86 | -1,571.46 | 2,122.85 | 2,106.17 | 16.68 | 127.297 | | | |
| 5,200.00 | 5,160.05 | 5,169.49 | 5,149.77 | 15.21 | 4.53 | -153.32 | -532.11 | -1,575.03 | 2,134.03 | 2,116.84 | 17.19 | 124.155 | | | |
| 5,300.00 | 5,258.94 | 5,268.33 | 5,247.61 | 15.56 | 4.81 | -153.12 | -518.94 | -1,579.82 | 2,145.56 | 2,127.81 | 17.75 | 120.876 | | | |
| 5,400.00 | 5,357.84 | 5,347.00 | 5,325.54 | 15.91 | 5.04 | -152.97 | -508.93 | -1,583.83 | 2,157.61 | 2,139.36 | 18.25 | 118.217 | | | |
| 5,500.00 | 5,456.73 | 5,442.75 | 5,420.68 | 16.26 | 5.31 | -152.86 | -499.05 | -1,588.14 | 2,170.22 | 2,151.42 | 18.79 | 115.479 | | | |
| 5,600.00 | 5,555.63 | 5,542.72 | 5,519.88 | 16.61 | 5.59 | -152.71 | -487.85 | -1,593.21 | 2,182.94 | 2,163.59 | 19.35 | 112.806 | | | |
| 5,700.00 | 5,654.52 | 5,652.14 | 5,628.33 | 16.96 | 5.91 | -152.52 | -474.54 | -1,599.02 | 2,195.48 | 2,175.54 | 19.94 | 110.096 | | | |
| 5,800.00 | 5,753.42 | 5,751.25 | 5,726.85 | 17.31 | 6.18 | -152.42 | -464.38 | -1,602.75 | 2,207.49 | 2,187.00 | 20.49 | 107.720 | | | |
| 5,900.00 | 5,852.31 | 5,843.24 | 5,818.45 | 17.66 | 6.44 | -152.37 | -456.63 | -1,605.98 | 2,220.07 | 2,199.05 | 21.02 | 105.632 | | | |
| 6,000.00 | 5,951.21 | 5,947.79 | 5,922.69 | 18.01 | 6.72 | -152.34 | -449.03 | -1,608.83 | 2,232.47 | 2,210.90 | 21.57 | 103.501 | | | |
| 6,100.00 | 6,050.10 | 6,044.85 | 6,019.54 | 18.36 | 6.98 | -152.35 | -443.11 | -1,610.87 | 2,244.84 | 2,222.74 | 22.10 | 101.592 | | | |
| 6,200.00 | 6,149.00 | 6,135.36 | 6,109.93 | 18.71 | 7.22 | -152.39 | -438.64 | -1,612.49 | 2,257.43 | 2,234.83 | 22.60 | 99.879 | | | |
| 6,300.00 | 6,247.89 | 6,226.18 | 6,200.68 | 19.06 | 7.46 | -152.46 | -435.25 | -1,614.01 | 2,270.45 | 2,247.35 | 23.10 | 98.276 | | | |
| 6,400.00 | 6,346.79 | 6,326.01 | 6,300.44 | 19.41 | 7.71 | -152.54 | -432.17 | -1,615.58 | 2,283.67 | 2,260.04 | 23.62 | 96.668 | | | |
| 6,500.00 | 6,445.68 | 6,414.82 | 6,389.21 | 19.76 | 7.94 | -152.63 | -429.87 | -1,616.86 | 2,297.00 | 2,272.89 | 24.11 | 95.256 | | | |
| 6,600.00 | 6,544.58 | 6,504.07 | 6,478.42 | 20.11 | 8.17 | -152.71 | -427.72 | -1,618.57 | 2,310.83 | 2,286.23 | 24.60 | 93.929 | | | |
| 6,700.00 | 6,643.53 | 6,606.00 | 6,580.30 | 20.44 | 8.42 | -166.17 | -425.23 | -1,620.74 | 2,324.60 | 2,299.49 | 25.11 | 92.569 | | | |
| 6,800.00 | 6,743.00 | 6,710.16 | 6,684.40 | 20.62 | 8.69 | 105.17 | -422.46 | -1,622.80 | 2,332.59 | 2,307.07 | 25.51 | 91.435 | | | |
| 6,900.00 | 6,840.75 | 6,802.16 | 6,776.35 | 20.64 | 8.93 | 81.97 | -419.87 | -1,624.70 | 2,332.86 | 2,307.10 | 25.76 | 90.552 | | | |
| 7,000.00 | 6,933.82 | 6,883.80 | 6,857.92 | 20.54 | 9.14 | 76.73 | -417.53 | -1,626.71 | 2,326.20 | 2,300.29 | 25.91 | 89.774 | | | |
| 7,100.00 | 7,019.36 | 6,970.37 | 6,944.43 | 20.31 | 9.36 | 76.13 | -415.02 | -1,629.01 | 2,313.32 | 2,287.23 | 26.09 | 88.660 | | | |
| 7,200.00 | 7,094.79 | 7,041.48 | 7,015.49 | 20.01 | 9.54 | 77.44 | -412.92 | -1,630.90 | 2,295.35 | 2,269.06 | 26.29 | 87.306 | | | |
| 7,300.00 | 7,157.81 | 7,098.93 | 7,072.89 | 19.66 | 9.69 | 79.74 | -411.13 | -1,632.53 | 2,273.93 | 2,247.40 | 26.53 | 85.724 | | | |
| 7,400.00 | 7,206.51 | 7,141.95 | 7,115.86 | 19.29 | 9.80 | 82.46 | -409.75 | -1,633.82 | 2,250.68 | 2,223.91 | 26.77 | 84.066 | | | |
| 7,500.00 | 7,239.40 | 7,173.09 | 7,146.97 | 18.94 | 9.88 | 85.28 | -408.71 | -1,634.79 | 2,227.15 | 2,200.13 | 27.03 | 82.409 | | | |
| 7,600.00 | 7,255.49 | 7,187.15 | 7,161.02 | 18.63 | 9.91 | 87.78 | -408.20 | -1,635.22 | 2,204.68 | 2,177.40 | 27.27 | 80.838 | | | |
| 7,700.00 | 7,256.04 | 7,183.70 | 7,157.56 | 18.39 | 9.91 | 88.85 | -408.33 | -1,635.12 | 2,184.49 | 2,156.96 | 27.53 | 79.352 | | | |
| 7,800.00 | 7,253.91 | 7,177.43 | 7,151.30 | 18.51 | 9.89 | 88.69 | -408.55 | -1,634.93 | 2,168.42 | 2,140.50 | 27.92 | 77.666 | | | |
| 7,900.00 | 7,251.78 | 7,171.32 | 7,145.20 | 19.20 | 9.87 | 88.52 | -408.77 | -1,634.74 | 2,156.86 | 2,128.36 | 28.50 | 75.687 | | | |
| 8,000.00 | 7,249.65 | 7,165.36 | 7,139.24 | 20.08 | 9.86 | 88.36 | -408.97 | -1,634.55 | 2,149.87 | 2,120.63 | 29.24 | 73.514 | | | |
| 8,100.00 | 7,247.53 | 7,159.54 | 7,133.44 | 21.07 | 9.84 | 88.21 | -409.17 | -1,634.37 | 2,147.51 | 2,117.37 | 30.14 | 71.246 | | | |
| 8,100.91 | 7,247.51 | 7,159.49 | 7,133.38 | 21.08 | 9.84 | 88.21 | -409.17 | -1,634.37 | 2,147.51 | 2,117.36 | 30.15 | 71.224 | | | |
| 8,200.00 | 7,245.40 | 7,154.00 | 7,127.90 | 22.17 | 9.83 | 88.06 | -409.35 | -1,634.20 | 2,149.79 | 2,118.61 | 31.17 | 68.965 | | | |
| 8,300.00 | 7,243.27 | 7,148.88 | 7,122.79 | 23.36 | 9.82 | 87.93 | -409.52 | -1,634.04 | 2,156.69 | 2,124.34 | 32.35 | 66.659 | | | |
| 8,400.00 | 7,241.14 | 7,143.90 | 7,117.81 | 24.64 | 9.80 | 87.79 | -409.68 | -1,633.88 | 2,168.18 | 2,134.51 | 33.67 | 64.401 | | | |
| 8,500.00 | 7,239.01 | 7,138.94 | 7,112.85 | 25.98 | 9.79 | 87.66 | -409.85 | -1,633.73 | 2,184.17 | 2,149.11 | 35.06 | 62.296 | | | |
| 8,600.00 | 7,236.89 | 7,133.99 | 7,107.91 | 27.39 | 9.78 | 87.53 | -410.01 | -1,633.58 | 2,204.58 | 2,168.06 | 36.52 | 60.358 | | | |
| 8,700.00 | 7,234.76 | 7,129.06 | 7,102.98 | 28.85 | 9.76 | 87.40 | -410.17 | -1,633.43 | 2,229.28 | 2,191.23 | 38.05 | 58.592 | | | |
| 8,800.00 | 7,232.63 | 7,124.15 | 7,098.07 | 30.36 | 9.75 | 87.27 | -410.32 | -1,633.28 | 2,258.13 | 2,218.51 | 39.62 | 56.995 | | | |
| 8,900.00 | 7,230.50 | 7,119.25 | 7,093.18 | 31.91 | 9.74 | 87.14 | -410.48 | -1,633.13 | 2,290.98 | 2,249.74 | 41.24 | 55.559 | | | |
| 9,000.00 | 7,228.38 | 7,114.37 | 7,088.31 | 33.49 | 9.73 | 87.01 | -410.64 | -1,632.98 | 2,327.64 | 2,284.76 | 42.89 | 54.274 | | | |
| 9,100.00 | 7,226.25 | 7,109.51 | 7,083.45 | 35.11 | 9.71 | 86.88 | -410.79 | -1,632.84 | 2,367.96 | 2,323.39 | 44.57 | 53.129 | | | |
| 9,200.00 | 7,224.12 | 7,104.66 | 7,078.61 | 36.75 | 9.70 | 86.75 | -410.95 | -1,632.69 | 2,411.74 | 2,365.46 | 46.28 | 52.113 | | | |
| 9,300.00 | 7,221.99 | 7,099.83 | 7,073.78 | 38.41 | 9.69 | 86.62 | -411.10 | -1,632.55 | 2,458.80 | 2,410.79 | 48.01 | 51.212 | | | |
| 9,400.00 | 7,219.86 | 7,095.02 | 7,068.98 | 40.10 | 9.68 | 86.49 | -411.26 | -1,632.41 | 2,508.95 | 2,459.19 | 49.77 | 50.415 | | | |
| 9,500.00 | 7,217.74 | 7,090.22 | 7,064.18 | 41.80 | 9.66 | 86.36 | -411.41 | -1,632.27 | 2,562.02 | 2,510.48 | 51.54 | 49.713 | | | |
| 9,600.00 | 7,215.61 | 7,085.44 | 7,059.41 | 43.53 | 9.65 | 86.24 | -411.56 | -1,632.13 | 2,617.82 | 2,564.50 | 53.32 | 49.094 | | | |
| 9,700.00 | 7,213.48 | 7,080.68 | 7,054.65 | 45.26 | 9.64 | 86.11 | -411.71 | -1,632.00 | 2,676.19 | 2,621.07 | 55.12 | 48.550 | | | |
| 9,800.00 | 7,211.35 | 7,075.93 | 7,049.91 | 47.01 | 9.63 | 85.98 | -411.86 | -1,631.86 | 2,736.96 | 2,680.03 | 56.93 | 48.072 | | | |
| 9,900.00 | 7,209.22 | 7,071.20 | 7,045.18 | 48.77 | 9.62 | 85.86 | -412.00 | -1,631.73 | 2,799.97 | 2,741.22 | 58.76 | 47.654 | | | |
| 10,000.00 | 7,207.10 | 7,066.50 | 7,040.45 | 50.54 | 9.59 | 85.74 | -412.14 | -1,631.60 | 2,865.09 | 2,804.53 | 60.56 | 47.310 | | | |
| 10,100.00 | 7,204.97 | 7,063.00 | 7,036.99 | 52.32 | 9.59 | 85.64 | -412.26 | -1,631.49 | 2,932.15 | 2,869.71 | 62.44 | 46.961 | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | | |
|---------------------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--|---------|--------------------|---------|
| Survey Program: 3591-NS-GYRO-MS | | | | | | | | | | | | | WELD_CAMP 5 PAD - CAMP 21-26X offset - CAMP 21-26X - CAMP 21-26X | | Offset Well Error: | 0.00 ft |
| Reference | | | | Offset | | Semi Major Axis | | | Distance | | | | Warning | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | | |
| 10,200.00 | 7,202.84 | 7,057.11 | 7,031.10 | 54.11 | 9.58 | 85.48 | -412.44 | -1,631.33 | 3,001.04 | 2,936.77 | 64.28 | 46.690 | | | | |
| 10,300.00 | 7,200.71 | 7,052.44 | 7,026.44 | 55.91 | 9.57 | 85.36 | -412.59 | -1,631.20 | 3,071.64 | 3,005.51 | 66.13 | 46.449 | | | | |
| 10,400.00 | 7,198.59 | 7,047.81 | 7,021.81 | 57.72 | 9.56 | 85.24 | -412.73 | -1,631.07 | 3,143.82 | 3,075.83 | 67.99 | 46.240 | | | | |
| 10,500.00 | 7,196.46 | 7,043.19 | 7,017.19 | 59.53 | 9.54 | 85.11 | -412.87 | -1,630.94 | 3,217.49 | 3,147.63 | 69.85 | 46.060 | | | | |
| 10,600.00 | 7,194.33 | 7,038.60 | 7,012.61 | 61.34 | 9.53 | 84.99 | -413.01 | -1,630.82 | 3,292.54 | 3,220.81 | 71.72 | 45.905 | | | | |
| 10,700.00 | 7,192.20 | 7,034.03 | 7,008.04 | 63.17 | 9.52 | 84.87 | -413.15 | -1,630.69 | 3,368.87 | 3,295.27 | 73.60 | 45.774 | | | | |
| 10,800.00 | 7,190.07 | 7,029.48 | 7,003.50 | 64.99 | 9.51 | 84.75 | -413.29 | -1,630.57 | 3,446.41 | 3,370.94 | 75.48 | 45.662 | | | | |
| 10,900.00 | 7,187.95 | 7,024.96 | 6,998.98 | 66.83 | 9.50 | 84.63 | -413.42 | -1,630.45 | 3,525.08 | 3,447.72 | 77.36 | 45.569 | | | | |
| 11,000.00 | 7,185.82 | 7,020.46 | 6,994.48 | 68.66 | 9.49 | 84.51 | -413.56 | -1,630.32 | 3,604.80 | 3,525.56 | 79.24 | 45.491 | | | | |
| 11,100.00 | 7,183.69 | 7,015.98 | 6,990.00 | 70.50 | 9.47 | 84.39 | -413.69 | -1,630.20 | 3,685.50 | 3,604.37 | 81.13 | 45.427 | | | | |
| 11,200.00 | 7,181.56 | 7,011.52 | 6,985.54 | 72.35 | 9.46 | 84.27 | -413.82 | -1,630.08 | 3,767.12 | 3,684.10 | 83.02 | 45.377 | | | | |
| 11,300.00 | 7,179.44 | 7,007.08 | 6,981.11 | 74.19 | 9.45 | 84.16 | -413.95 | -1,629.97 | 3,849.60 | 3,764.69 | 84.91 | 45.337 | | | | |
| 11,400.00 | 7,177.31 | 7,002.66 | 6,976.70 | 76.04 | 9.44 | 84.04 | -414.08 | -1,629.85 | 3,932.89 | 3,846.08 | 86.80 | 45.307 | | | | |
| 11,500.00 | 7,175.18 | 6,998.27 | 6,972.31 | 77.90 | 9.43 | 83.92 | -414.21 | -1,629.73 | 4,016.93 | 3,928.23 | 88.70 | 45.287 | | | | |
| 11,600.00 | 7,173.05 | 6,993.89 | 6,967.94 | 79.75 | 9.42 | 83.81 | -414.34 | -1,629.62 | 4,101.69 | 4,011.09 | 90.60 | 45.274 | | | | |
| 11,700.00 | 7,170.92 | 6,989.54 | 6,963.59 | 81.61 | 9.41 | 83.69 | -414.47 | -1,629.50 | 4,187.11 | 4,094.62 | 92.50 | 45.268 SF | | | | |
| 11,800.00 | 7,168.80 | 6,985.21 | 6,959.26 | 83.47 | 9.40 | 83.58 | -414.59 | -1,629.39 | 4,273.16 | 4,178.77 | 94.40 | 45.268 | | | | |
| 11,837.41 | 7,168.00 | 6,983.59 | 6,957.64 | 84.17 | 9.39 | 83.53 | -414.64 | -1,629.35 | 4,305.51 | 4,210.40 | 95.11 | 45.270 | | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|--------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -164.21 | -1,823.98 | -515.95 | 1,895.61 | | | | | |
| 100.00 | 100.00 | 74.03 | 74.03 | 0.08 | 0.10 | -164.20 | -1,824.14 | -516.10 | 1,895.77 | 1,895.58 | 0.18 | N/A | | |
| 200.00 | 200.00 | 173.21 | 173.21 | 0.31 | 0.30 | -164.20 | -1,824.71 | -516.38 | 1,896.40 | 1,895.79 | 0.61 | 3,109.102 | | |
| 300.00 | 300.00 | 280.73 | 280.73 | 0.53 | 0.54 | -164.21 | -1,825.24 | -516.08 | 1,896.80 | 1,895.72 | 1.07 | 1,766.664 | | |
| 400.00 | 400.00 | 379.92 | 379.91 | 0.76 | 0.77 | -164.22 | -1,825.46 | -515.84 | 1,896.95 | 1,895.41 | 1.53 | 1,237.795 | | |
| 500.00 | 500.00 | 474.32 | 474.31 | 0.98 | 1.00 | -164.23 | -1,825.84 | -515.68 | 1,897.29 | 1,895.31 | 1.99 | 954.726 | | |
| 600.00 | 600.00 | 583.94 | 583.93 | 1.21 | 1.19 | -164.22 | -1,826.19 | -515.93 | 1,897.67 | 1,895.27 | 2.40 | 791.965 | | |
| 700.00 | 700.00 | 688.63 | 688.63 | 1.43 | 1.27 | -164.21 | -1,825.94 | -516.18 | 1,897.51 | 1,894.81 | 2.70 | 702.761 | | |
| 773.24 | 773.24 | 757.25 | 757.24 | 1.60 | 1.36 | -164.21 | -1,825.83 | -516.20 | 1,897.40 | 1,894.44 | 2.96 | 641.367 | | |
| 800.00 | 800.00 | 781.88 | 781.87 | 1.66 | 1.40 | -164.21 | -1,825.84 | -516.22 | 1,897.41 | 1,894.36 | 3.06 | 620.937 | | |
| 900.00 | 900.00 | 886.79 | 886.78 | 1.88 | 1.58 | -164.21 | -1,825.83 | -516.44 | 1,897.46 | 1,894.00 | 3.46 | 548.146 | | |
| 930.72 | 930.72 | 914.73 | 914.72 | 1.95 | 1.63 | -164.20 | -1,825.76 | -516.56 | 1,897.42 | 1,893.84 | 3.58 | 529.904 | | |
| 1,000.00 | 1,000.00 | 969.89 | 969.88 | 2.11 | 1.73 | -164.19 | -1,825.84 | -517.01 | 1,897.68 | 1,893.84 | 3.84 | 494.673 | | |
| 1,100.00 | 1,100.00 | 1,052.58 | 1,052.56 | 2.33 | 1.91 | -164.17 | -1,826.60 | -518.08 | 1,898.91 | 1,894.67 | 4.24 | 447.995 | | |
| 1,200.00 | 1,200.00 | 1,136.36 | 1,136.32 | 2.56 | 2.11 | -164.15 | -1,828.13 | -519.05 | 1,900.98 | 1,896.32 | 4.66 | 407.628 | | |
| 1,300.00 | 1,300.00 | 1,218.92 | 1,218.84 | 2.78 | 2.31 | -164.12 | -1,830.21 | -520.66 | 1,903.94 | 1,898.85 | 5.09 | 373.974 | | |
| 1,400.00 | 1,399.98 | 1,300.00 | 1,299.85 | 3.00 | 2.51 | 159.48 | -1,832.96 | -522.52 | 1,909.47 | 1,903.95 | 5.52 | 345.900 | | |
| 1,500.00 | 1,499.84 | 1,381.01 | 1,380.76 | 3.23 | 2.72 | 159.49 | -1,836.50 | -524.50 | 1,919.24 | 1,913.29 | 5.95 | 322.755 | | |
| 1,600.00 | 1,599.45 | 1,461.01 | 1,460.61 | 3.45 | 2.92 | 159.49 | -1,840.73 | -526.74 | 1,933.24 | 1,926.87 | 6.37 | 303.563 | | |
| 1,700.00 | 1,698.70 | 1,547.94 | 1,547.34 | 3.69 | 3.15 | 159.51 | -1,846.01 | -529.63 | 1,951.34 | 1,944.53 | 6.81 | 286.671 | | |
| 1,800.00 | 1,797.61 | 1,634.58 | 1,633.74 | 3.95 | 3.37 | 159.66 | -1,851.44 | -532.97 | 1,972.16 | 1,964.91 | 7.26 | 271.809 | | |
| 1,900.00 | 1,896.51 | 1,714.20 | 1,713.08 | 4.22 | 3.58 | 159.84 | -1,856.99 | -536.64 | 1,993.97 | 1,986.27 | 7.69 | 259.137 | | |
| 2,000.00 | 1,995.40 | 1,800.00 | 1,798.54 | 4.51 | 3.81 | 160.02 | -1,863.42 | -540.74 | 2,016.36 | 2,008.20 | 8.15 | 247.320 | | |
| 2,100.00 | 2,094.30 | 1,885.10 | 1,883.26 | 4.80 | 4.03 | 160.21 | -1,870.27 | -544.93 | 2,039.33 | 2,030.72 | 8.61 | 236.796 | | |
| 2,200.00 | 2,193.19 | 1,968.89 | 1,966.61 | 5.10 | 4.26 | 160.39 | -1,877.58 | -549.36 | 2,063.05 | 2,053.98 | 9.07 | 227.445 | | |
| 2,300.00 | 2,292.09 | 2,049.17 | 2,046.42 | 5.41 | 4.47 | 160.56 | -1,885.11 | -553.67 | 2,087.44 | 2,077.92 | 9.52 | 219.229 | | |
| 2,400.00 | 2,390.98 | 2,136.03 | 2,132.70 | 5.72 | 4.71 | 160.72 | -1,894.05 | -558.24 | 2,112.63 | 2,102.64 | 9.99 | 211.455 | | |
| 2,500.00 | 2,489.88 | 2,257.98 | 2,253.87 | 6.04 | 5.04 | 160.96 | -1,906.08 | -564.95 | 2,137.60 | 2,127.05 | 10.55 | 202.619 | | |
| 2,600.00 | 2,588.77 | 2,463.53 | 2,458.73 | 6.36 | 5.59 | 161.30 | -1,920.85 | -572.40 | 2,159.67 | 2,148.35 | 11.32 | 190.769 | | |
| 2,700.00 | 2,687.67 | 2,635.84 | 2,630.93 | 6.68 | 6.04 | 161.52 | -1,926.31 | -574.10 | 2,176.83 | 2,164.83 | 12.01 | 181.282 | | |
| 2,800.00 | 2,786.56 | 2,754.95 | 2,750.03 | 7.01 | 6.34 | 161.66 | -1,927.94 | -574.42 | 2,192.28 | 2,179.73 | 12.55 | 174.629 | | |
| 2,900.00 | 2,885.46 | 2,855.25 | 2,850.32 | 7.34 | 6.58 | 161.78 | -1,928.78 | -574.30 | 2,207.12 | 2,194.08 | 13.04 | 169.231 | | |
| 3,000.00 | 2,984.36 | 2,946.98 | 2,942.05 | 7.67 | 6.80 | 161.87 | -1,929.85 | -574.13 | 2,222.26 | 2,208.75 | 13.51 | 164.460 | | |
| 3,100.00 | 3,083.25 | 3,048.64 | 3,043.71 | 8.00 | 7.05 | 161.99 | -1,931.12 | -574.24 | 2,237.57 | 2,223.56 | 14.02 | 159.620 | | |
| 3,200.00 | 3,182.15 | 3,146.92 | 3,141.97 | 8.34 | 7.30 | 162.11 | -1,931.90 | -574.75 | 2,252.60 | 2,238.08 | 14.52 | 155.136 | | |
| 3,300.00 | 3,281.04 | 3,229.77 | 3,224.81 | 8.67 | 7.51 | 162.22 | -1,932.74 | -575.80 | 2,268.09 | 2,253.11 | 14.98 | 151.400 | | |
| 3,400.00 | 3,379.94 | 3,300.00 | 3,295.02 | 9.01 | 7.68 | 162.33 | -1,933.88 | -577.26 | 2,284.46 | 2,269.05 | 15.41 | 148.262 | | |
| 3,500.00 | 3,478.83 | 3,384.04 | 3,379.02 | 9.35 | 7.90 | 162.45 | -1,936.03 | -579.11 | 2,301.74 | 2,285.86 | 15.88 | 144.983 | | |
| 3,600.00 | 3,577.73 | 3,471.24 | 3,466.14 | 9.69 | 8.13 | 162.57 | -1,939.03 | -580.93 | 2,319.77 | 2,303.41 | 16.36 | 141.835 | | |
| 3,700.00 | 3,676.62 | 3,560.41 | 3,555.22 | 10.03 | 8.37 | 162.70 | -1,942.28 | -583.26 | 2,338.19 | 2,321.35 | 16.84 | 138.846 | | |
| 3,800.00 | 3,775.52 | 3,659.78 | 3,654.48 | 10.37 | 8.63 | 162.84 | -1,946.07 | -586.20 | 2,356.89 | 2,339.54 | 17.35 | 135.851 | | |
| 3,900.00 | 3,874.41 | 3,771.34 | 3,765.92 | 10.72 | 8.92 | 163.01 | -1,949.81 | -589.65 | 2,375.23 | 2,357.34 | 17.89 | 132.784 | | |
| 4,000.00 | 3,973.31 | 3,900.67 | 3,895.17 | 11.06 | 9.26 | 163.16 | -1,953.65 | -591.60 | 2,392.71 | 2,374.23 | 18.47 | 129.513 | | |
| 4,100.00 | 4,072.20 | 4,001.39 | 3,995.86 | 11.40 | 9.51 | 163.24 | -1,956.39 | -591.60 | 2,409.44 | 2,390.47 | 18.97 | 126.993 | | |
| 4,200.00 | 4,171.10 | 4,119.08 | 4,113.51 | 11.75 | 9.77 | 163.32 | -1,959.37 | -590.59 | 2,425.71 | 2,406.23 | 19.49 | 124.480 | | |
| 4,300.00 | 4,269.99 | 4,235.68 | 4,230.08 | 12.09 | 10.02 | 163.40 | -1,961.43 | -589.73 | 2,441.33 | 2,421.35 | 19.98 | 122.170 | | |
| 4,400.00 | 4,368.89 | 4,369.01 | 4,363.38 | 12.44 | 10.22 | 163.46 | -1,962.79 | -587.19 | 2,455.87 | 2,435.43 | 20.43 | 120.182 | | |
| 4,500.00 | 4,467.78 | 4,481.35 | 4,475.67 | 12.78 | 10.32 | 163.50 | -1,963.00 | -583.99 | 2,469.29 | 2,448.49 | 20.79 | 118.745 | | |
| 4,600.00 | 4,566.68 | 4,590.49 | 4,584.79 | 13.13 | 10.39 | 163.56 | -1,962.53 | -581.59 | 2,482.37 | 2,461.25 | 21.12 | 117.533 | | |
| 4,700.00 | 4,665.57 | 4,692.41 | 4,686.69 | 13.48 | 10.42 | 163.64 | -1,961.51 | -580.11 | 2,495.17 | 2,473.76 | 21.41 | 116.533 | | |
| 4,800.00 | 4,764.47 | 4,796.92 | 4,791.19 | 13.82 | 10.44 | 163.73 | -1,960.06 | -579.23 | 2,507.83 | 2,486.14 | 21.69 | 115.625 | | |
| 4,900.00 | 4,863.36 | 4,920.85 | 4,915.08 | 14.17 | 10.47 | 163.85 | -1,957.35 | -578.50 | 2,519.83 | 2,497.86 | 21.97 | 114.681 | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | | |
|--------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|---|---------|--------------------|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | | WELD_CAMP 5 PAD - CAMP 24-26 offset - CAMP 24-26 - CAMP 24-26 | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | | |
| 5,000.00 | 4,962.26 | 5,026.25 | 5,020.45 | 14.52 | 10.50 | 163.95 | -1,954.61 | -577.45 | 2,531.32 | 2,509.06 | 22.26 | 113.716 | | | | |
| 5,100.00 | 5,061.15 | 5,128.38 | 5,122.52 | 14.87 | 10.54 | 164.05 | -1,951.57 | -576.60 | 2,542.52 | 2,519.97 | 22.55 | 112.735 | | | | |
| 5,200.00 | 5,160.05 | 5,215.67 | 5,209.78 | 15.21 | 10.57 | 164.13 | -1,949.27 | -575.75 | 2,554.00 | 2,531.15 | 22.85 | 111.789 | | | | |
| 5,300.00 | 5,258.94 | 5,300.00 | 5,294.09 | 15.56 | 10.61 | 164.21 | -1,947.45 | -575.00 | 2,565.98 | 2,542.83 | 23.14 | 110.874 | | | | |
| 5,400.00 | 5,357.84 | 5,381.92 | 5,376.00 | 15.91 | 10.65 | 164.28 | -1,946.13 | -574.57 | 2,578.58 | 2,555.13 | 23.44 | 109.989 | | | | |
| 5,500.00 | 5,456.73 | 5,473.11 | 5,467.17 | 16.26 | 10.71 | 164.37 | -1,945.16 | -574.26 | 2,591.75 | 2,567.99 | 23.75 | 109.104 | | | | |
| 5,600.00 | 5,555.63 | 5,572.01 | 5,566.07 | 16.61 | 10.78 | 164.45 | -1,944.31 | -573.72 | 2,605.05 | 2,580.98 | 24.08 | 108.191 | | | | |
| 5,700.00 | 5,654.52 | 5,670.74 | 5,664.79 | 16.96 | 10.86 | 164.53 | -1,943.50 | -573.01 | 2,618.34 | 2,593.93 | 24.41 | 107.251 | | | | |
| 5,800.00 | 5,753.42 | 5,772.49 | 5,766.54 | 17.31 | 10.95 | 164.60 | -1,942.75 | -572.04 | 2,631.62 | 2,606.85 | 24.76 | 106.275 | | | | |
| 5,900.00 | 5,852.31 | 5,875.65 | 5,869.69 | 17.66 | 11.06 | 164.67 | -1,942.00 | -570.59 | 2,644.75 | 2,619.62 | 25.13 | 105.242 | | | | |
| 6,000.00 | 5,951.21 | 5,955.12 | 5,949.13 | 18.01 | 11.17 | 164.70 | -1,941.82 | -568.81 | 2,658.07 | 2,632.57 | 25.50 | 104.241 | | | | |
| 6,100.00 | 6,050.10 | 6,026.03 | 6,020.02 | 18.36 | 11.29 | 164.72 | -1,942.49 | -567.07 | 2,672.37 | 2,646.49 | 25.88 | 103.275 | | | | |
| 6,200.00 | 6,149.00 | 6,100.00 | 6,093.95 | 18.71 | 11.44 | 164.73 | -1,944.09 | -565.25 | 2,687.76 | 2,661.48 | 26.28 | 102.283 | | | | |
| 6,300.00 | 6,247.89 | 6,224.26 | 6,218.16 | 19.06 | 11.70 | 164.77 | -1,946.42 | -562.83 | 2,703.12 | 2,676.33 | 26.79 | 100.908 | | | | |
| 6,400.00 | 6,346.79 | 6,338.51 | 6,332.41 | 19.41 | 11.91 | 164.84 | -1,947.19 | -561.73 | 2,717.71 | 2,690.45 | 27.26 | 99.695 | | | | |
| 6,500.00 | 6,445.68 | 6,442.77 | 6,436.66 | 19.76 | 12.09 | 164.91 | -1,947.09 | -561.03 | 2,731.70 | 2,704.00 | 27.69 | 98.646 | | | | |
| 6,600.00 | 6,544.58 | 6,537.73 | 6,531.62 | 20.11 | 12.25 | 164.99 | -1,947.07 | -560.97 | 2,745.97 | 2,717.87 | 28.10 | 97.718 | | | | |
| 6,700.00 | 6,643.53 | 6,647.76 | 6,641.65 | 20.44 | 12.39 | 151.90 | -1,946.58 | -561.08 | 2,759.41 | 2,730.97 | 28.44 | 97.014 | | | | |
| 6,800.00 | 6,743.00 | 6,740.33 | 6,734.22 | 20.62 | 12.49 | 63.87 | -1,945.84 | -561.74 | 2,761.12 | 2,732.55 | 28.56 | 96.666 | | | | |
| 6,900.00 | 6,840.75 | 6,833.78 | 6,827.66 | 20.64 | 12.62 | 41.01 | -1,945.40 | -562.79 | 2,747.21 | 2,719.27 | 27.95 | 98.295 | | | | |
| 7,000.00 | 6,933.82 | 6,935.49 | 6,929.36 | 20.54 | 12.76 | 36.17 | -1,944.40 | -564.03 | 2,717.36 | 2,690.64 | 26.72 | 101.708 | | | | |
| 7,100.00 | 7,019.36 | 7,000.00 | 6,993.85 | 20.31 | 12.84 | 35.87 | -1,943.71 | -565.36 | 2,673.31 | 2,648.24 | 25.07 | 106.619 | | | | |
| 7,200.00 | 7,094.79 | 7,060.47 | 7,054.29 | 20.01 | 12.94 | 38.29 | -1,943.29 | -567.05 | 2,616.80 | 2,593.23 | 23.57 | 111.034 | | | | |
| 7,300.00 | 7,157.81 | 7,100.00 | 7,093.80 | 19.66 | 13.01 | 43.05 | -1,943.24 | -568.35 | 2,549.65 | 2,526.76 | 22.89 | 111.407 | | | | |
| 7,400.00 | 7,206.51 | 7,144.96 | 7,138.73 | 19.29 | 13.09 | 51.18 | -1,943.37 | -569.98 | 2,473.76 | 2,449.77 | 24.00 | 103.090 | | | | |
| 7,500.00 | 7,239.40 | 7,171.16 | 7,164.91 | 18.94 | 13.14 | 63.09 | -1,943.52 | -571.00 | 2,391.45 | 2,364.65 | 26.80 | 89.245 | | | | |
| 7,600.00 | 7,255.49 | 7,184.45 | 7,178.19 | 18.63 | 13.17 | 79.06 | -1,943.63 | -571.54 | 2,305.18 | 2,275.37 | 29.81 | 77.333 | | | | |
| 7,700.00 | 7,256.04 | 7,185.54 | 7,179.28 | 18.39 | 13.17 | 88.96 | -1,943.64 | -571.59 | 2,217.62 | 2,186.79 | 30.83 | 71.920 | | | | |
| 7,800.00 | 7,253.91 | 7,184.51 | 7,178.25 | 18.51 | 13.17 | 88.91 | -1,943.63 | -571.54 | 2,130.94 | 2,099.69 | 31.24 | 68.203 | | | | |
| 7,900.00 | 7,251.78 | 7,183.46 | 7,177.20 | 19.20 | 13.16 | 88.85 | -1,943.62 | -571.50 | 2,045.47 | 2,013.63 | 31.84 | 64.242 | | | | |
| 8,000.00 | 7,249.65 | 7,182.40 | 7,176.14 | 20.08 | 13.16 | 88.80 | -1,943.61 | -571.46 | 1,961.38 | 1,928.77 | 32.61 | 60.155 | | | | |
| 8,100.00 | 7,247.53 | 7,181.33 | 7,175.07 | 21.07 | 13.16 | 88.74 | -1,943.60 | -571.41 | 1,878.84 | 1,845.32 | 33.52 | 56.049 | | | | |
| 8,200.00 | 7,245.40 | 7,180.23 | 7,173.98 | 22.17 | 13.16 | 88.68 | -1,943.59 | -571.37 | 1,798.08 | 1,763.47 | 34.61 | 51.952 | | | | |
| 8,300.00 | 7,243.27 | 7,179.12 | 7,172.87 | 23.36 | 13.16 | 88.62 | -1,943.58 | -571.32 | 1,719.34 | 1,683.49 | 35.85 | 47.959 | | | | |
| 8,400.00 | 7,241.14 | 7,178.00 | 7,171.74 | 24.64 | 13.15 | 88.57 | -1,943.58 | -571.28 | 1,642.92 | 1,605.73 | 37.19 | 44.180 | | | | |
| 8,500.00 | 7,239.01 | 7,176.86 | 7,170.60 | 25.98 | 13.15 | 88.51 | -1,943.57 | -571.23 | 1,569.14 | 1,530.54 | 38.61 | 40.646 | | | | |
| 8,600.00 | 7,236.89 | 7,175.70 | 7,169.44 | 27.39 | 13.15 | 88.44 | -1,943.56 | -571.19 | 1,498.41 | 1,458.32 | 40.09 | 37.374 | | | | |
| 8,700.00 | 7,234.76 | 7,174.52 | 7,168.27 | 28.85 | 13.15 | 88.38 | -1,943.55 | -571.14 | 1,431.18 | 1,389.54 | 41.64 | 34.371 | | | | |
| 8,800.00 | 7,232.63 | 7,173.32 | 7,167.07 | 30.36 | 13.15 | 88.32 | -1,943.54 | -571.09 | 1,367.96 | 1,324.72 | 43.23 | 31.640 | | | | |
| 8,900.00 | 7,230.50 | 7,172.11 | 7,165.86 | 31.91 | 13.14 | 88.25 | -1,943.53 | -571.04 | 1,309.32 | 1,264.45 | 44.87 | 29.178 | | | | |
| 9,000.00 | 7,228.38 | 7,170.87 | 7,164.62 | 33.49 | 13.14 | 88.19 | -1,943.52 | -570.99 | 1,255.93 | 1,209.38 | 46.55 | 26.981 | | | | |
| 9,100.00 | 7,226.25 | 7,169.62 | 7,163.37 | 35.11 | 13.14 | 88.12 | -1,943.51 | -570.94 | 1,208.46 | 1,160.20 | 48.25 | 25.043 | | | | |
| 9,200.00 | 7,224.12 | 7,168.34 | 7,162.10 | 36.75 | 13.14 | 88.06 | -1,943.50 | -570.89 | 1,167.64 | 1,117.65 | 49.99 | 23.358 | | | | |
| 9,300.00 | 7,221.99 | 7,167.05 | 7,160.80 | 38.41 | 13.13 | 87.99 | -1,943.50 | -570.84 | 1,134.19 | 1,082.45 | 51.74 | 21.919 | | | | |
| 9,400.00 | 7,219.86 | 7,165.74 | 7,159.49 | 40.10 | 13.13 | 87.92 | -1,943.49 | -570.79 | 1,108.78 | 1,055.26 | 53.52 | 20.717 | | | | |
| 9,500.00 | 7,217.74 | 7,164.40 | 7,158.15 | 41.80 | 13.13 | 87.85 | -1,943.48 | -570.74 | 1,091.97 | 1,036.65 | 55.32 | 19.741 | | | | |
| 9,600.00 | 7,215.61 | 7,163.04 | 7,156.80 | 43.53 | 13.13 | 87.77 | -1,943.47 | -570.68 | 1,084.16 | 1,027.03 | 57.13 | 18.979 | | | | |
| 9,635.03 | 7,214.86 | 7,162.56 | 7,156.32 | 44.13 | 13.13 | 87.75 | -1,943.47 | -570.66 | 1,083.59 | 1,025.77 | 57.82 | 18.740 CC, ES | | | | |
| 9,700.00 | 7,213.48 | 7,161.66 | 7,155.42 | 45.26 | 13.12 | 87.70 | -1,943.46 | -570.63 | 1,085.54 | 1,026.59 | 58.95 | 18.415 | | | | |
| 9,800.00 | 7,211.35 | 7,160.25 | 7,154.01 | 47.01 | 13.12 | 87.63 | -1,943.45 | -570.57 | 1,096.07 | 1,035.29 | 60.78 | 18.032 | | | | |
| 9,900.00 | 7,209.22 | 7,158.83 | 7,152.59 | 48.77 | 13.12 | 87.55 | -1,943.44 | -570.52 | 1,115.51 | 1,052.88 | 62.63 | 17.811 | | | | |
| 10,000.00 | 7,207.10 | 7,157.37 | 7,151.13 | 50.54 | 13.12 | 87.48 | -1,943.43 | -570.46 | 1,143.39 | 1,078.91 | 64.49 | 17.731 SF | | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|--------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|--------------------|-------------------|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | | Separation Factor | |
| 10,100.00 | 7,204.97 | 7,155.89 | 7,149.66 | 52.32 | 13.11 | 87.40 | -1,943.43 | -570.40 | 1,179.12 | 1,112.77 | 66.35 | 17.771 | | |
| 10,200.00 | 7,202.84 | 7,154.39 | 7,148.15 | 54.11 | 13.11 | 87.32 | -1,943.42 | -570.35 | 1,222.00 | 1,153.78 | 68.22 | 17.913 | | |
| 10,300.00 | 7,200.71 | 7,152.86 | 7,146.63 | 55.91 | 13.11 | 87.24 | -1,943.41 | -570.29 | 1,271.32 | 1,201.22 | 70.10 | 18.136 | | |
| 10,400.00 | 7,198.59 | 7,151.30 | 7,145.07 | 57.72 | 13.10 | 87.15 | -1,943.40 | -570.23 | 1,326.36 | 1,254.38 | 71.98 | 18.427 | | |
| 10,500.00 | 7,196.46 | 7,149.72 | 7,143.49 | 59.53 | 13.10 | 87.07 | -1,943.39 | -570.17 | 1,386.43 | 1,312.56 | 73.87 | 18.769 | | |
| 10,600.00 | 7,194.33 | 7,148.11 | 7,141.87 | 61.34 | 13.10 | 86.99 | -1,943.38 | -570.10 | 1,450.91 | 1,375.14 | 75.76 | 19.151 | | |
| 10,700.00 | 7,192.20 | 7,146.46 | 7,140.23 | 63.17 | 13.09 | 86.90 | -1,943.37 | -570.04 | 1,519.24 | 1,441.58 | 77.66 | 19.563 | | |
| 10,800.00 | 7,190.07 | 7,144.79 | 7,138.56 | 64.99 | 13.09 | 86.81 | -1,943.37 | -569.98 | 1,590.92 | 1,511.36 | 79.56 | 19.996 | | |
| 10,900.00 | 7,187.95 | 7,143.09 | 7,136.86 | 66.83 | 13.09 | 86.72 | -1,943.36 | -569.91 | 1,665.52 | 1,584.05 | 81.47 | 20.444 | | |
| 11,000.00 | 7,185.82 | 7,141.35 | 7,135.13 | 68.66 | 13.09 | 86.63 | -1,943.35 | -569.85 | 1,742.67 | 1,659.29 | 83.37 | 20.902 | | |
| 11,100.00 | 7,183.69 | 7,139.58 | 7,133.36 | 70.50 | 13.08 | 86.53 | -1,943.34 | -569.78 | 1,822.04 | 1,736.75 | 85.28 | 21.365 | | |
| 11,200.00 | 7,181.56 | 7,137.78 | 7,131.56 | 72.35 | 13.08 | 86.44 | -1,943.33 | -569.71 | 1,903.35 | 1,816.15 | 87.19 | 21.829 | | |
| 11,300.00 | 7,179.44 | 7,135.95 | 7,129.72 | 74.19 | 13.08 | 86.34 | -1,943.33 | -569.64 | 1,986.36 | 1,897.26 | 89.11 | 22.291 | | |
| 11,400.00 | 7,177.31 | 7,134.07 | 7,127.85 | 76.04 | 13.07 | 86.24 | -1,943.32 | -569.57 | 2,070.88 | 1,979.86 | 91.02 | 22.751 | | |
| 11,500.00 | 7,175.18 | 7,132.16 | 7,125.94 | 77.90 | 13.07 | 86.14 | -1,943.31 | -569.50 | 2,156.72 | 2,063.78 | 92.94 | 23.205 | | |
| 11,600.00 | 7,173.05 | 7,130.22 | 7,124.00 | 79.75 | 13.06 | 86.04 | -1,943.31 | -569.43 | 2,243.73 | 2,148.87 | 94.86 | 23.653 | | |
| 11,700.00 | 7,170.92 | 7,128.23 | 7,122.02 | 81.61 | 13.06 | 85.94 | -1,943.30 | -569.36 | 2,331.79 | 2,235.01 | 96.78 | 24.094 | | |
| 11,800.00 | 7,168.80 | 7,126.21 | 7,119.99 | 83.47 | 13.06 | 85.83 | -1,943.29 | -569.28 | 2,420.77 | 2,322.07 | 98.70 | 24.527 | | |
| 11,837.41 | 7,168.00 | 7,125.44 | 7,119.22 | 84.17 | 13.06 | 85.79 | -1,943.29 | -569.26 | 2,454.27 | 2,354.86 | 99.42 | 24.686 | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|--------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|---------|
| Survey Program: 901-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -167.39 | -3,954.30 | -884.49 | 4,052.02 | | | | | | |
| 100.00 | 100.00 | 89.89 | 89.89 | 0.08 | 0.12 | -167.39 | -3,954.28 | -884.51 | 4,052.00 | 4,051.80 | 0.20 | N/A | | | |
| 200.00 | 200.00 | 190.89 | 190.89 | 0.31 | 0.25 | -167.39 | -3,954.22 | -884.61 | 4,051.96 | 4,051.40 | 0.56 | 7,202.312 | | | |
| 300.00 | 300.00 | 291.89 | 291.89 | 0.53 | 0.39 | -167.39 | -3,954.13 | -884.77 | 4,051.91 | 4,050.98 | 0.92 | 4,397.555 | | | |
| 400.00 | 400.00 | 392.89 | 392.89 | 0.76 | 0.52 | -167.38 | -3,953.99 | -885.00 | 4,051.82 | 4,050.54 | 1.28 | 3,164.975 | | | |
| 500.00 | 500.00 | 493.89 | 493.89 | 0.98 | 0.66 | -167.38 | -3,953.81 | -885.30 | 4,051.71 | 4,050.07 | 1.64 | 2,472.045 | | | |
| 600.00 | 600.00 | 594.89 | 594.89 | 1.21 | 0.79 | -167.37 | -3,953.59 | -885.66 | 4,051.58 | 4,049.58 | 2.00 | 2,028.003 | | | |
| 700.00 | 700.00 | 695.89 | 695.88 | 1.43 | 0.92 | -167.37 | -3,953.33 | -886.09 | 4,051.42 | 4,049.07 | 2.36 | 1,719.165 | | | |
| 800.00 | 800.00 | 796.88 | 796.88 | 1.66 | 1.06 | -167.36 | -3,953.03 | -886.60 | 4,051.24 | 4,048.53 | 2.72 | 1,491.936 | | | |
| 900.00 | 900.00 | 897.88 | 897.87 | 1.88 | 1.19 | -167.35 | -3,952.69 | -887.16 | 4,051.03 | 4,047.96 | 3.07 | 1,317.740 | | | |
| 1,000.00 | 1,000.00 | 997.78 | 997.77 | 2.11 | 1.45 | -167.34 | -3,952.30 | -887.85 | 4,050.81 | 4,047.25 | 3.56 | 1,137.939 | | | |
| 1,100.00 | 1,100.00 | 1,089.04 | 1,089.03 | 2.33 | 1.69 | -167.33 | -3,952.07 | -888.51 | 4,050.71 | 4,046.69 | 4.02 | 1,006.827 | | | |
| 1,200.00 | 1,200.00 | 1,192.83 | 1,192.81 | 2.56 | 1.96 | -167.32 | -3,951.76 | -889.39 | 4,050.61 | 4,046.09 | 4.52 | 896.854 | | | |
| 1,224.02 | 1,224.02 | 1,213.04 | 1,213.02 | 2.61 | 2.01 | -167.31 | -3,951.71 | -889.55 | 4,050.60 | 4,045.98 | 4.62 | 876.727 | | | |
| 1,300.00 | 1,300.00 | 1,278.48 | 1,278.46 | 2.78 | 2.17 | -167.31 | -3,951.72 | -889.96 | 4,050.71 | 4,045.76 | 4.95 | 818.127 | | | |
| 1,400.00 | 1,399.98 | 1,373.95 | 1,373.93 | 3.00 | 2.40 | 156.29 | -3,951.81 | -890.88 | 4,052.61 | 4,047.20 | 5.41 | 749.626 | | | |
| 1,500.00 | 1,499.84 | 1,443.00 | 1,442.97 | 3.23 | 2.55 | 156.28 | -3,952.01 | -891.43 | 4,057.95 | 4,052.16 | 5.78 | 701.545 | | | |
| 1,600.00 | 1,599.45 | 1,477.89 | 1,477.85 | 3.45 | 2.61 | 156.22 | -3,952.52 | -891.74 | 4,067.75 | 4,061.68 | 6.07 | 670.514 | | | |
| 1,700.00 | 1,698.70 | 1,534.00 | 1,533.91 | 3.69 | 2.71 | 156.14 | -3,954.87 | -892.72 | 4,082.82 | 4,076.43 | 6.39 | 639.283 | | | |
| 1,800.00 | 1,797.61 | 1,534.00 | 1,533.91 | 3.95 | 2.71 | 156.11 | -3,954.87 | -892.72 | 4,101.20 | 4,094.58 | 6.62 | 619.415 | | | |
| 1,900.00 | 1,896.51 | 1,626.00 | 1,625.71 | 4.22 | 2.86 | 156.21 | -3,960.02 | -895.70 | 4,120.90 | 4,113.88 | 7.02 | 587.242 | | | |
| 2,000.00 | 1,995.40 | 1,677.65 | 1,677.21 | 4.51 | 2.97 | 156.28 | -3,963.03 | -898.23 | 4,141.23 | 4,133.87 | 7.37 | 562.213 | | | |
| 2,100.00 | 2,094.30 | 1,736.56 | 1,735.87 | 4.80 | 3.10 | 156.37 | -3,967.00 | -902.00 | 4,162.71 | 4,154.97 | 7.74 | 538.039 | | | |
| 2,200.00 | 2,193.19 | 1,826.68 | 1,825.47 | 5.10 | 3.31 | 156.53 | -3,973.01 | -909.50 | 4,184.64 | 4,176.45 | 8.19 | 510.969 | | | |
| 2,300.00 | 2,292.09 | 1,913.82 | 1,912.06 | 5.41 | 3.52 | 156.69 | -3,978.85 | -917.29 | 4,206.78 | 4,198.14 | 8.65 | 486.521 | | | |
| 2,400.00 | 2,390.98 | 1,994.83 | 1,992.49 | 5.72 | 3.72 | 156.84 | -3,984.37 | -925.23 | 4,229.27 | 4,220.18 | 9.10 | 465.010 | | | |
| 2,500.00 | 2,489.88 | 2,076.00 | 2,072.93 | 6.04 | 3.94 | 157.01 | -3,989.82 | -934.63 | 4,252.14 | 4,242.59 | 9.55 | 445.171 | | | |
| 2,600.00 | 2,588.77 | 2,144.43 | 2,140.58 | 6.36 | 4.12 | 157.18 | -3,994.42 | -943.89 | 4,275.55 | 4,265.57 | 9.98 | 428.275 | | | |
| 2,700.00 | 2,687.67 | 2,194.69 | 2,190.15 | 6.68 | 4.26 | 157.31 | -3,997.98 | -951.43 | 4,299.79 | 4,289.42 | 10.37 | 414.645 | | | |
| 2,800.00 | 2,786.56 | 2,257.00 | 2,251.44 | 7.01 | 4.43 | 157.47 | -4,003.26 | -961.30 | 4,325.36 | 4,314.57 | 10.79 | 400.914 | | | |
| 2,900.00 | 2,885.46 | 2,281.64 | 2,275.64 | 7.34 | 4.50 | 157.53 | -4,005.61 | -965.32 | 4,351.93 | 4,340.82 | 11.11 | 391.677 | | | |
| 3,000.00 | 2,984.36 | 2,347.00 | 2,339.72 | 7.67 | 4.68 | 157.70 | -4,012.50 | -976.12 | 4,379.79 | 4,368.25 | 11.54 | 379.604 | | | |
| 3,100.00 | 3,083.25 | 2,347.00 | 2,339.72 | 8.00 | 4.68 | 157.70 | -4,012.50 | -976.12 | 4,408.78 | 4,396.98 | 11.80 | 373.682 | | | |
| 3,200.00 | 3,182.15 | 2,400.08 | 2,391.63 | 8.34 | 4.83 | 157.84 | -4,019.05 | -985.06 | 4,438.92 | 4,426.72 | 12.19 | 364.073 | | | |
| 3,300.00 | 3,281.04 | 2,437.00 | 2,427.63 | 8.67 | 4.93 | 157.93 | -4,024.31 | -991.37 | 4,470.55 | 4,458.01 | 12.55 | 356.329 | | | |
| 3,400.00 | 3,379.94 | 2,504.37 | 2,493.14 | 9.01 | 5.12 | 158.10 | -4,034.37 | -1,003.45 | 4,503.16 | 4,490.19 | 12.98 | 347.037 | | | |
| 3,500.00 | 3,478.83 | 2,666.36 | 2,650.98 | 9.35 | 5.59 | 158.51 | -4,056.71 | -1,032.18 | 4,534.43 | 4,520.78 | 13.64 | 332.347 | | | |
| 3,600.00 | 3,577.73 | 2,732.96 | 2,715.85 | 9.69 | 5.78 | 158.67 | -4,066.15 | -1,043.90 | 4,566.37 | 4,552.30 | 14.07 | 324.478 | | | |
| 3,700.00 | 3,676.62 | 2,829.99 | 2,810.60 | 10.03 | 6.07 | 158.89 | -4,079.89 | -1,059.67 | 4,598.03 | 4,583.46 | 14.58 | 315.417 | | | |
| 3,800.00 | 3,775.52 | 2,889.00 | 2,868.15 | 10.37 | 6.24 | 159.02 | -4,089.01 | -1,068.99 | 4,630.68 | 4,615.70 | 14.99 | 309.008 | | | |
| 3,900.00 | 3,874.41 | 2,915.19 | 2,893.64 | 10.72 | 6.32 | 159.07 | -4,093.35 | -1,073.15 | 4,664.27 | 4,648.96 | 15.31 | 304.614 | | | |
| 4,000.00 | 3,973.31 | 2,979.00 | 2,955.61 | 11.06 | 6.50 | 159.20 | -4,104.63 | -1,083.37 | 4,699.09 | 4,683.36 | 15.73 | 298.727 | | | |
| 4,100.00 | 4,072.20 | 2,979.00 | 2,955.61 | 11.40 | 6.50 | 159.20 | -4,104.63 | -1,083.37 | 4,734.82 | 4,718.82 | 15.99 | 296.055 | | | |
| 4,200.00 | 4,171.10 | 3,040.40 | 3,014.99 | 11.75 | 6.69 | 159.33 | -4,116.33 | -1,093.72 | 4,771.49 | 4,755.09 | 16.41 | 290.845 | | | |
| 4,300.00 | 4,269.99 | 3,160.00 | 3,130.31 | 12.09 | 7.05 | 159.59 | -4,139.94 | -1,114.83 | 4,809.05 | 4,792.09 | 16.96 | 283.568 | | | |
| 4,400.00 | 4,368.89 | 3,203.76 | 3,172.56 | 12.44 | 7.19 | 159.68 | -4,148.54 | -1,122.34 | 4,846.31 | 4,828.98 | 17.33 | 279.675 | | | |
| 4,500.00 | 4,467.78 | 3,378.56 | 3,341.43 | 12.78 | 7.73 | 160.02 | -4,182.62 | -1,151.80 | 4,883.44 | 4,865.43 | 18.02 | 271.069 | | | |
| 4,600.00 | 4,566.68 | 3,431.00 | 3,392.15 | 13.13 | 7.89 | 160.12 | -4,192.77 | -1,160.49 | 4,920.23 | 4,901.82 | 18.41 | 267.323 | | | |
| 4,700.00 | 4,665.57 | 3,727.36 | 3,679.42 | 13.48 | 8.82 | 160.71 | -4,244.54 | -1,211.38 | 4,956.35 | 4,936.94 | 19.41 | 255.358 | | | |
| 4,800.00 | 4,764.47 | 3,795.68 | 3,745.90 | 13.82 | 9.04 | 160.85 | -4,254.96 | -1,223.19 | 4,989.87 | 4,970.02 | 19.85 | 251.415 | | | |
| 4,900.00 | 4,863.36 | 3,971.57 | 3,916.97 | 14.17 | 9.60 | 161.23 | -4,279.80 | -1,255.57 | 5,022.74 | 5,002.17 | 20.57 | 244.211 | | | |
| 5,000.00 | 4,962.26 | 4,028.85 | 3,972.49 | 14.52 | 9.79 | 161.38 | -4,287.09 | -1,267.62 | 5,055.36 | 5,034.38 | 20.98 | 240.939 | | | |

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

Anadarko Petroleum Corp Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|--------------------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|---------|
| Survey Program: 901-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | | | Offset | | Semi Major Axis | | | Distance | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | |
| 5,100.00 | 5,061.15 | 4,063.00 | 4,005.51 | 14.87 | 9.90 | 161.46 | -4,291.53 | -1,275.12 | 5,088.79 | 5,067.46 | 21.33 | 238.525 | | | |
| 5,200.00 | 5,160.05 | 4,125.07 | 4,065.45 | 15.21 | 10.10 | 161.62 | -4,300.17 | -1,288.73 | 5,123.00 | 5,101.24 | 21.76 | 235.419 | | | |
| 5,300.00 | 5,258.94 | 4,153.00 | 4,092.41 | 15.56 | 10.20 | 161.69 | -4,304.40 | -1,294.69 | 5,158.24 | 5,136.14 | 22.10 | 233.436 | | | |
| 5,400.00 | 5,357.84 | 4,195.78 | 4,133.61 | 15.91 | 10.34 | 161.79 | -4,311.32 | -1,303.90 | 5,194.49 | 5,172.02 | 22.47 | 231.161 | | | |
| 5,500.00 | 5,456.73 | 4,244.00 | 4,179.84 | 16.26 | 10.50 | 161.90 | -4,319.83 | -1,314.64 | 5,231.99 | 5,209.13 | 22.86 | 228.875 | | | |
| 5,600.00 | 5,555.63 | 4,602.00 | 4,526.09 | 16.61 | 11.68 | 162.60 | -4,380.40 | -1,381.73 | 5,269.51 | 5,245.48 | 24.04 | 219.227 | | | |
| 5,700.00 | 5,654.52 | 4,661.35 | 4,583.93 | 16.96 | 11.87 | 162.70 | -4,389.05 | -1,391.85 | 5,302.84 | 5,278.39 | 24.45 | 216.883 | | | |
| 5,800.00 | 5,753.42 | 4,729.13 | 4,649.85 | 17.31 | 12.08 | 162.83 | -4,399.26 | -1,403.85 | 5,336.83 | 5,311.94 | 24.89 | 214.456 | | | |
| 5,900.00 | 5,852.31 | 4,784.00 | 4,703.19 | 17.66 | 12.26 | 162.93 | -4,407.60 | -1,413.66 | 5,371.17 | 5,345.88 | 25.29 | 212.406 | | | |
| 6,000.00 | 5,951.21 | 4,830.17 | 4,747.96 | 18.01 | 12.41 | 163.01 | -4,414.83 | -1,422.31 | 5,406.30 | 5,380.63 | 25.67 | 210.626 | | | |
| 6,100.00 | 6,050.10 | 4,874.00 | 4,790.26 | 18.36 | 12.56 | 163.10 | -4,422.09 | -1,431.21 | 5,442.53 | 5,416.49 | 26.04 | 208.995 | | | |
| 6,200.00 | 6,149.00 | 4,912.58 | 4,827.38 | 18.71 | 12.69 | 163.18 | -4,428.71 | -1,439.39 | 5,479.66 | 5,453.25 | 26.40 | 207.545 | | | |
| 6,300.00 | 6,247.89 | 6,178.19 | 6,074.64 | 19.06 | 16.24 | 164.48 | -4,568.74 | -1,563.90 | 5,512.33 | 5,482.64 | 29.70 | 185.630 | | | |
| 6,400.00 | 6,346.79 | 6,338.00 | 6,234.40 | 19.41 | 16.51 | 164.53 | -4,572.96 | -1,563.33 | 5,528.90 | 5,498.68 | 30.22 | 182.932 | | | |
| 6,500.00 | 6,445.68 | 6,502.73 | 6,399.06 | 19.76 | 16.69 | 164.56 | -4,576.35 | -1,560.68 | 5,544.59 | 5,513.93 | 30.66 | 180.828 | | | |
| 6,600.00 | 6,544.58 | 6,616.56 | 6,512.82 | 20.11 | 16.76 | 164.56 | -4,578.29 | -1,557.19 | 5,559.37 | 5,528.38 | 30.99 | 179.406 | | | |
| 6,700.00 | 6,643.53 | 6,720.51 | 6,616.70 | 20.44 | 16.82 | 163.38 | -4,580.03 | -1,553.70 | 5,573.50 | 5,542.16 | 31.34 | 177.835 | | | |
| 6,800.00 | 6,743.00 | 6,846.85 | 6,743.00 | 20.62 | 16.89 | 63.22 | -4,581.36 | -1,550.58 | 5,575.69 | 5,543.99 | 31.71 | 175.852 | | | |
| 6,900.00 | 6,840.75 | 6,927.12 | 6,823.25 | 20.64 | 16.94 | 40.15 | -4,581.73 | -1,549.39 | 5,561.52 | 5,530.32 | 31.20 | 178.268 | | | |
| 7,000.00 | 6,933.82 | 7,004.91 | 6,901.05 | 20.54 | 17.04 | 34.89 | -4,582.11 | -1,549.03 | 5,532.01 | 5,502.02 | 29.99 | 184.485 | | | |
| 7,100.00 | 7,019.36 | 7,092.66 | 6,988.79 | 20.31 | 17.20 | 34.30 | -4,582.50 | -1,549.06 | 5,487.87 | 5,459.52 | 28.34 | 193.620 | | | |
| 7,200.00 | 7,094.79 | 7,178.01 | 7,074.14 | 20.01 | 17.37 | 36.39 | -4,582.56 | -1,549.49 | 5,430.24 | 5,403.53 | 26.72 | 203.231 | | | |
| 7,300.00 | 7,157.81 | 7,239.74 | 7,135.87 | 19.66 | 17.49 | 40.99 | -4,582.46 | -1,549.97 | 5,361.05 | 5,335.14 | 25.90 | 206.974 | | | |
| 7,400.00 | 7,206.51 | 7,275.32 | 7,171.44 | 19.29 | 17.57 | 48.77 | -4,582.42 | -1,550.37 | 5,282.62 | 5,255.71 | 26.91 | 196.334 | | | |
| 7,500.00 | 7,239.40 | 7,299.46 | 7,195.58 | 18.94 | 17.61 | 61.26 | -4,582.43 | -1,550.69 | 5,197.35 | 5,167.23 | 30.12 | 172.576 | | | |
| 7,600.00 | 7,255.49 | 7,315.00 | 7,211.12 | 18.63 | 17.64 | 79.71 | -4,582.44 | -1,550.92 | 5,107.78 | 5,074.11 | 33.68 | 151.666 | | | |
| 7,700.00 | 7,256.04 | 7,315.00 | 7,211.12 | 18.39 | 17.64 | 91.76 | -4,582.44 | -1,550.92 | 5,016.61 | 4,982.15 | 34.46 | 145.580 | | | |
| 7,800.00 | 7,253.91 | 7,315.00 | 7,211.12 | 18.51 | 17.64 | 91.76 | -4,582.44 | -1,550.92 | 4,925.64 | 4,890.70 | 34.94 | 140.968 | | | |
| 7,900.00 | 7,251.78 | 7,315.00 | 7,211.12 | 19.20 | 17.64 | 91.76 | -4,582.44 | -1,550.92 | 4,835.02 | 4,799.39 | 35.63 | 135.683 | | | |
| 8,000.00 | 7,249.65 | 7,315.00 | 7,211.12 | 20.08 | 17.64 | 91.76 | -4,582.44 | -1,550.92 | 4,744.78 | 4,708.29 | 36.50 | 130.007 | | | |
| 8,100.00 | 7,247.53 | 7,315.00 | 7,211.12 | 21.07 | 17.64 | 91.76 | -4,582.44 | -1,550.92 | 4,654.94 | 4,617.44 | 37.51 | 124.107 | | | |
| 8,200.00 | 7,245.40 | 7,315.00 | 7,211.12 | 22.17 | 17.64 | 91.76 | -4,582.44 | -1,550.92 | 4,565.53 | 4,526.88 | 38.65 | 118.129 | | | |
| 8,300.00 | 7,243.27 | 7,302.75 | 7,198.87 | 23.36 | 17.62 | 91.42 | -4,582.43 | -1,550.74 | 4,476.54 | 4,436.70 | 39.84 | 112.367 | | | |
| 8,400.00 | 7,241.14 | 7,301.20 | 7,197.32 | 24.64 | 17.62 | 91.38 | -4,582.43 | -1,550.72 | 4,388.03 | 4,346.85 | 41.18 | 106.558 | | | |
| 8,500.00 | 7,239.01 | 7,299.64 | 7,195.77 | 25.98 | 17.61 | 91.33 | -4,582.43 | -1,550.69 | 4,300.04 | 4,257.43 | 42.60 | 100.934 | | | |
| 8,600.00 | 7,236.89 | 7,298.07 | 7,194.20 | 27.39 | 17.61 | 91.29 | -4,582.42 | -1,550.67 | 4,212.57 | 4,168.48 | 44.09 | 95.535 | | | |
| 8,700.00 | 7,234.76 | 7,296.50 | 7,192.62 | 28.85 | 17.61 | 91.25 | -4,582.42 | -1,550.65 | 4,125.68 | 4,080.04 | 45.65 | 90.386 | | | |
| 8,800.00 | 7,232.63 | 7,294.91 | 7,191.04 | 30.36 | 17.60 | 91.20 | -4,582.42 | -1,550.63 | 4,039.39 | 3,992.15 | 47.25 | 85.497 | | | |
| 8,900.00 | 7,230.50 | 7,293.31 | 7,189.44 | 31.91 | 17.60 | 91.16 | -4,582.42 | -1,550.60 | 3,953.75 | 3,904.86 | 48.89 | 80.871 | | | |
| 9,000.00 | 7,228.38 | 7,291.71 | 7,187.83 | 33.49 | 17.60 | 91.11 | -4,582.42 | -1,550.58 | 3,868.80 | 3,818.23 | 50.57 | 76.504 | | | |
| 9,100.00 | 7,226.25 | 7,290.09 | 7,186.22 | 35.11 | 17.59 | 91.07 | -4,582.42 | -1,550.56 | 3,784.58 | 3,732.29 | 52.28 | 72.389 | | | |
| 9,200.00 | 7,224.12 | 7,288.46 | 7,184.59 | 36.75 | 17.59 | 91.02 | -4,582.42 | -1,550.54 | 3,701.14 | 3,647.12 | 54.02 | 68.514 | | | |
| 9,300.00 | 7,221.99 | 7,286.83 | 7,182.95 | 38.41 | 17.59 | 90.98 | -4,582.42 | -1,550.52 | 3,618.54 | 3,562.76 | 55.78 | 64.868 | | | |
| 9,400.00 | 7,219.86 | 7,285.18 | 7,181.31 | 40.10 | 17.58 | 90.93 | -4,582.42 | -1,550.49 | 3,536.84 | 3,479.28 | 57.57 | 61.439 | | | |
| 9,500.00 | 7,217.74 | 7,283.52 | 7,179.65 | 41.80 | 17.58 | 90.89 | -4,582.42 | -1,550.47 | 3,456.11 | 3,396.74 | 59.37 | 58.215 | | | |
| 9,600.00 | 7,215.61 | 7,281.85 | 7,177.98 | 43.53 | 17.58 | 90.84 | -4,582.42 | -1,550.45 | 3,376.40 | 3,315.21 | 61.19 | 55.183 | | | |
| 9,700.00 | 7,213.48 | 7,280.17 | 7,176.30 | 45.26 | 17.57 | 90.79 | -4,582.42 | -1,550.43 | 3,297.80 | 3,234.78 | 63.02 | 52.332 | | | |
| 9,800.00 | 7,211.35 | 7,278.48 | 7,174.61 | 47.01 | 17.57 | 90.75 | -4,582.42 | -1,550.41 | 3,220.38 | 3,155.52 | 64.86 | 49.651 | | | |
| 9,900.00 | 7,209.22 | 7,276.78 | 7,172.91 | 48.77 | 17.57 | 90.70 | -4,582.42 | -1,550.39 | 3,144.24 | 3,077.52 | 66.72 | 47.129 | | | |
| 10,000.00 | 7,207.10 | 7,275.07 | 7,171.20 | 50.54 | 17.56 | 90.65 | -4,582.42 | -1,550.36 | 3,069.46 | 3,000.88 | 68.58 | 44.757 | | | |
| 10,100.00 | 7,204.97 | 7,273.35 | 7,169.48 | 52.32 | 17.56 | 90.60 | -4,582.42 | -1,550.34 | 2,996.16 | 2,925.70 | 70.45 | 42.527 | | | |
| 10,200.00 | 7,202.84 | 7,271.62 | 7,167.74 | 54.11 | 17.56 | 90.56 | -4,582.42 | -1,550.32 | 2,924.43 | 2,852.10 | 72.34 | 40.429 | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|--------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|---------|
| Survey Program: 901-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | | | Semi Major Axis | | | Distance | | | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | |
| 10,300.00 | 7,200.71 | 7,269.87 | 7,166.00 | 55.91 | 17.55 | 90.51 | -4,582.42 | -1,550.30 | 2,854.41 | 2,780.18 | 74.22 | 38.457 | | | |
| 10,400.00 | 7,198.59 | 7,268.11 | 7,164.24 | 57.72 | 17.55 | 90.46 | -4,582.43 | -1,550.28 | 2,786.21 | 2,710.09 | 76.12 | 36.603 | | | |
| 10,500.00 | 7,196.46 | 7,266.35 | 7,162.47 | 59.53 | 17.55 | 90.41 | -4,582.43 | -1,550.26 | 2,719.99 | 2,641.96 | 78.02 | 34.862 | | | |
| 10,600.00 | 7,194.33 | 7,264.57 | 7,160.69 | 61.34 | 17.54 | 90.36 | -4,582.43 | -1,550.24 | 2,655.87 | 2,575.94 | 79.93 | 33.229 | | | |
| 10,700.00 | 7,192.20 | 7,262.77 | 7,158.90 | 63.17 | 17.54 | 90.31 | -4,582.43 | -1,550.22 | 2,594.02 | 2,512.19 | 81.84 | 31.697 | | | |
| 10,800.00 | 7,190.07 | 7,260.97 | 7,157.10 | 64.99 | 17.54 | 90.26 | -4,582.43 | -1,550.20 | 2,534.61 | 2,450.86 | 83.75 | 30.263 | | | |
| 10,900.00 | 7,187.95 | 7,259.16 | 7,155.29 | 66.83 | 17.53 | 90.21 | -4,582.43 | -1,550.18 | 2,477.81 | 2,392.14 | 85.67 | 28.921 | | | |
| 11,000.00 | 7,185.82 | 7,257.33 | 7,153.46 | 68.66 | 17.53 | 90.16 | -4,582.43 | -1,550.16 | 2,423.81 | 2,336.21 | 87.60 | 27.670 | | | |
| 11,100.00 | 7,183.69 | 7,255.49 | 7,151.62 | 70.50 | 17.53 | 90.11 | -4,582.44 | -1,550.14 | 2,372.79 | 2,283.27 | 89.52 | 26.504 | | | |
| 11,200.00 | 7,181.56 | 7,253.64 | 7,149.77 | 72.35 | 17.52 | 90.06 | -4,582.44 | -1,550.12 | 2,324.95 | 2,233.50 | 91.45 | 25.422 | | | |
| 11,300.00 | 7,179.44 | 7,251.77 | 7,147.90 | 74.19 | 17.52 | 90.01 | -4,582.44 | -1,550.10 | 2,280.50 | 2,187.11 | 93.39 | 24.420 | | | |
| 11,400.00 | 7,177.31 | 7,249.90 | 7,146.03 | 76.04 | 17.51 | 89.95 | -4,582.44 | -1,550.08 | 2,239.63 | 2,144.31 | 95.32 | 23.495 | | | |
| 11,500.00 | 7,175.18 | 7,248.01 | 7,144.14 | 77.90 | 17.51 | 89.90 | -4,582.45 | -1,550.06 | 2,202.54 | 2,105.28 | 97.26 | 22.646 | | | |
| 11,600.00 | 7,173.05 | 7,246.10 | 7,142.23 | 79.75 | 17.51 | 89.85 | -4,582.45 | -1,550.04 | 2,169.43 | 2,070.23 | 99.20 | 21.869 | | | |
| 11,700.00 | 7,170.92 | 7,244.19 | 7,140.32 | 81.61 | 17.50 | 89.79 | -4,582.45 | -1,550.02 | 2,140.48 | 2,039.34 | 101.14 | 21.163 | | | |
| 11,800.00 | 7,168.80 | 7,242.26 | 7,138.39 | 83.47 | 17.50 | 89.74 | -4,582.45 | -1,550.00 | 2,115.86 | 2,012.78 | 103.09 | 20.525 | | | |
| 11,837.41 | 7,168.00 | 7,241.54 | 7,137.67 | 84.17 | 17.50 | 89.72 | -4,582.46 | -1,549.99 | 2,107.80 | 2,003.98 | 103.82 | 20.303 | CC, ES, SF | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | | |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--|---------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | WELD_CAMP 5 PAD - Camp 36N-26HZ - Camp 36N-26HZ - Camp 36N-26HZ (wp02) - H&P 307 | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -99.91 | -9.86 | -56.42 | 57.28 | | | | | | | |
| 100.00 | 100.00 | 100.00 | 100.00 | 0.08 | 0.08 | -99.91 | -9.86 | -56.42 | 57.28 | 57.11 | 0.17 | 339.779 | | | | |
| 200.00 | 200.00 | 200.00 | 200.00 | 0.31 | 0.31 | -99.91 | -9.86 | -56.42 | 57.28 | 56.66 | 0.62 | 92.667 | | | | |
| 300.00 | 300.00 | 300.00 | 300.00 | 0.53 | 0.53 | -99.91 | -9.86 | -56.42 | 57.28 | 56.21 | 1.07 | 53.649 | | | | |
| 400.00 | 400.00 | 400.00 | 400.00 | 0.76 | 0.76 | -99.91 | -9.86 | -56.42 | 57.28 | 55.76 | 1.52 | 37.753 | | | | |
| 500.00 | 500.00 | 500.00 | 500.00 | 0.98 | 0.98 | -99.91 | -9.86 | -56.42 | 57.28 | 55.31 | 1.97 | 29.124 | | | | |
| 600.00 | 600.00 | 600.00 | 600.00 | 1.21 | 1.21 | -99.91 | -9.86 | -56.42 | 57.28 | 54.86 | 2.42 | 23.706 | | | | |
| 700.00 | 700.00 | 700.00 | 700.00 | 1.43 | 1.43 | -99.91 | -9.86 | -56.42 | 57.28 | 54.41 | 2.87 | 19.987 | | | | |
| 800.00 | 800.00 | 800.00 | 800.00 | 1.66 | 1.66 | -99.91 | -9.86 | -56.42 | 57.28 | 53.96 | 3.32 | 17.277 | | | | |
| 900.00 | 900.00 | 900.00 | 900.00 | 1.88 | 1.88 | -99.91 | -9.86 | -56.42 | 57.28 | 53.51 | 3.76 | 15.214 | | | | |
| 1,000.00 | 1,000.00 | 1,000.00 | 1,000.00 | 2.11 | 2.11 | -99.91 | -9.86 | -56.42 | 57.28 | 53.06 | 4.21 | 13.591 | | | | |
| 1,100.00 | 1,100.00 | 1,100.00 | 1,100.00 | 2.33 | 2.33 | -99.91 | -9.86 | -56.42 | 57.28 | 52.61 | 4.66 | 12.281 | CC, ES | | | |
| 1,200.00 | 1,200.00 | 1,198.33 | 1,198.31 | 2.56 | 2.55 | -98.99 | -9.17 | -57.96 | 58.71 | 53.61 | 5.10 | 11.507 | | | | |
| 1,300.00 | 1,300.00 | 1,296.43 | 1,296.28 | 2.78 | 2.76 | -96.47 | -7.10 | -62.57 | 63.08 | 57.54 | 5.54 | 11.394 | SF | | | |
| 1,400.00 | 1,399.98 | 1,394.02 | 1,393.50 | 3.00 | 2.98 | -130.34 | -3.68 | -70.18 | 71.69 | 65.73 | 5.96 | 12.029 | | | | |
| 1,500.00 | 1,499.84 | 1,490.68 | 1,489.47 | 3.23 | 3.21 | -129.05 | 1.04 | -80.69 | 85.58 | 79.20 | 6.38 | 13.408 | | | | |
| 1,600.00 | 1,599.45 | 1,586.04 | 1,583.71 | 3.45 | 3.47 | -128.67 | 6.99 | -93.95 | 104.61 | 97.80 | 6.81 | 15.362 | | | | |
| 1,700.00 | 1,698.70 | 1,679.71 | 1,675.76 | 3.69 | 3.76 | -128.78 | 14.08 | -109.75 | 128.64 | 121.39 | 7.24 | 17.758 | | | | |
| 1,800.00 | 1,797.61 | 1,771.55 | 1,765.42 | 3.95 | 4.07 | -129.20 | 22.23 | -127.91 | 156.99 | 149.28 | 7.70 | 20.377 | | | | |
| 1,900.00 | 1,896.51 | 1,861.80 | 1,852.85 | 4.22 | 4.43 | -129.16 | 31.38 | -148.29 | 188.10 | 179.91 | 8.19 | 22.977 | | | | |
| 2,000.00 | 1,995.40 | 1,952.94 | 1,940.47 | 4.51 | 4.83 | -128.79 | 41.64 | -171.16 | 221.58 | 212.89 | 8.69 | 25.499 | | | | |
| 2,100.00 | 2,094.30 | 2,047.00 | 2,030.78 | 4.80 | 5.27 | -128.47 | 52.42 | -195.17 | 255.49 | 246.27 | 9.22 | 27.715 | | | | |
| 2,200.00 | 2,193.19 | 2,141.07 | 2,121.09 | 5.10 | 5.73 | -128.21 | 63.19 | -219.18 | 289.40 | 279.64 | 9.76 | 29.650 | | | | |
| 2,300.00 | 2,292.09 | 2,235.14 | 2,211.40 | 5.41 | 6.21 | -128.01 | 73.97 | -243.19 | 323.32 | 313.00 | 10.31 | 31.347 | | | | |
| 2,400.00 | 2,390.98 | 2,329.20 | 2,301.71 | 5.72 | 6.70 | -127.85 | 84.75 | -267.20 | 357.24 | 346.36 | 10.88 | 32.842 | | | | |
| 2,500.00 | 2,489.88 | 2,423.27 | 2,392.03 | 6.04 | 7.20 | -127.72 | 95.52 | -291.21 | 391.16 | 379.71 | 11.45 | 34.166 | | | | |
| 2,600.00 | 2,588.77 | 2,517.34 | 2,482.34 | 6.36 | 7.71 | -127.61 | 106.30 | -315.22 | 425.08 | 413.06 | 12.03 | 35.342 | | | | |
| 2,700.00 | 2,687.67 | 2,611.41 | 2,572.65 | 6.68 | 8.22 | -127.51 | 117.08 | -339.23 | 459.01 | 446.40 | 12.61 | 36.393 | | | | |
| 2,800.00 | 2,786.56 | 2,705.47 | 2,662.96 | 7.01 | 8.74 | -127.43 | 127.85 | -363.24 | 492.93 | 479.73 | 13.20 | 37.336 | | | | |
| 2,900.00 | 2,885.46 | 2,799.54 | 2,753.27 | 7.34 | 9.26 | -127.36 | 138.63 | -387.25 | 526.86 | 513.06 | 13.80 | 38.186 | | | | |
| 3,000.00 | 2,984.36 | 2,893.61 | 2,843.58 | 7.67 | 9.79 | -127.29 | 149.41 | -411.26 | 560.79 | 546.39 | 14.40 | 38.954 | | | | |
| 3,100.00 | 3,083.25 | 2,987.67 | 2,933.89 | 8.00 | 10.32 | -127.24 | 160.18 | -435.26 | 594.71 | 579.72 | 15.00 | 39.651 | | | | |
| 3,200.00 | 3,182.15 | 3,081.74 | 3,024.20 | 8.34 | 10.85 | -127.19 | 170.96 | -459.27 | 628.64 | 613.04 | 15.60 | 40.286 | | | | |
| 3,300.00 | 3,281.04 | 3,175.81 | 3,114.51 | 8.67 | 11.38 | -127.14 | 181.74 | -483.28 | 662.57 | 646.36 | 16.21 | 40.867 | | | | |
| 3,400.00 | 3,379.94 | 3,269.88 | 3,204.82 | 9.01 | 11.92 | -127.10 | 192.51 | -507.29 | 696.50 | 679.68 | 16.82 | 41.400 | | | | |
| 3,500.00 | 3,478.83 | 3,363.94 | 3,295.13 | 9.35 | 12.45 | -127.07 | 203.29 | -531.30 | 730.43 | 712.99 | 17.44 | 41.890 | | | | |
| 3,600.00 | 3,577.73 | 3,458.01 | 3,385.44 | 9.69 | 12.99 | -127.03 | 214.07 | -555.31 | 764.36 | 746.31 | 18.05 | 42.342 | | | | |
| 3,700.00 | 3,676.62 | 3,552.08 | 3,475.75 | 10.03 | 13.53 | -127.00 | 224.84 | -579.32 | 798.29 | 779.62 | 18.67 | 42.761 | | | | |
| 3,800.00 | 3,775.52 | 3,646.14 | 3,566.07 | 10.37 | 14.07 | -126.97 | 235.62 | -603.33 | 832.22 | 812.93 | 19.29 | 43.148 | | | | |
| 3,900.00 | 3,874.41 | 3,740.21 | 3,656.38 | 10.72 | 14.61 | -126.95 | 246.40 | -627.34 | 866.15 | 846.24 | 19.91 | 43.509 | | | | |
| 4,000.00 | 3,973.31 | 3,834.28 | 3,746.69 | 11.06 | 15.16 | -126.92 | 257.17 | -651.35 | 900.08 | 879.55 | 20.53 | 43.845 | | | | |
| 4,100.00 | 4,072.20 | 3,928.35 | 3,837.00 | 11.40 | 15.70 | -126.90 | 267.95 | -675.36 | 934.01 | 912.86 | 21.15 | 44.159 | | | | |
| 4,200.00 | 4,171.10 | 4,022.41 | 3,927.31 | 11.75 | 16.24 | -126.88 | 278.73 | -699.37 | 967.94 | 946.16 | 21.77 | 44.452 | | | | |
| 4,300.00 | 4,269.99 | 4,116.48 | 4,017.62 | 12.09 | 16.79 | -126.86 | 289.50 | -723.38 | 1,001.87 | 979.47 | 22.40 | 44.727 | | | | |
| 4,400.00 | 4,368.89 | 4,210.55 | 4,107.93 | 12.44 | 17.34 | -126.84 | 300.28 | -747.39 | 1,035.80 | 1,012.77 | 23.03 | 44.985 | | | | |
| 4,500.00 | 4,467.78 | 4,304.61 | 4,198.24 | 12.78 | 17.88 | -126.83 | 311.06 | -771.40 | 1,069.73 | 1,046.08 | 23.65 | 45.228 | | | | |
| 4,600.00 | 4,566.68 | 4,398.68 | 4,288.55 | 13.13 | 18.43 | -126.81 | 321.83 | -795.41 | 1,103.66 | 1,079.38 | 24.28 | 45.457 | | | | |
| 4,700.00 | 4,665.57 | 4,492.75 | 4,378.86 | 13.48 | 18.97 | -126.80 | 332.61 | -819.42 | 1,137.59 | 1,112.69 | 24.91 | 45.673 | | | | |
| 4,800.00 | 4,764.47 | 4,586.82 | 4,469.17 | 13.82 | 19.52 | -126.78 | 343.38 | -843.43 | 1,171.52 | 1,145.99 | 25.54 | 45.877 | | | | |
| 4,900.00 | 4,863.36 | 4,680.88 | 4,559.48 | 14.17 | 20.07 | -126.77 | 354.16 | -867.44 | 1,205.45 | 1,179.29 | 26.17 | 46.070 | | | | |
| 5,000.00 | 4,962.26 | 4,774.95 | 4,649.79 | 14.52 | 20.62 | -126.76 | 364.94 | -891.45 | 1,239.39 | 1,212.59 | 26.80 | 46.254 | | | | |
| 5,100.00 | 5,061.15 | 4,869.02 | 4,740.10 | 14.87 | 21.17 | -126.74 | 375.71 | -915.46 | 1,273.32 | 1,245.89 | 27.43 | 46.427 | | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | | |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--|---------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | WELD_CAMP 5 PAD - Camp 36N-26HZ - Camp 36N-26HZ - Camp 36N-26HZ (wp02) - H&P 307 | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | | |
| 5,200.00 | 5,160.05 | 4,963.08 | 4,830.42 | 15.21 | 21.72 | -126.73 | 386.49 | -939.47 | 1,307.25 | 1,279.19 | 28.06 | 46.592 | | | | |
| 5,300.00 | 5,258.94 | 5,057.15 | 4,920.73 | 15.56 | 22.26 | -126.72 | 397.27 | -963.48 | 1,341.18 | 1,312.49 | 28.69 | 46.750 | | | | |
| 5,400.00 | 5,357.84 | 5,151.22 | 5,011.04 | 15.91 | 22.81 | -126.71 | 408.04 | -987.49 | 1,375.11 | 1,345.79 | 29.32 | 46.899 | | | | |
| 5,500.00 | 5,456.73 | 5,245.29 | 5,101.35 | 16.26 | 23.36 | -126.70 | 418.82 | -1,011.50 | 1,409.04 | 1,379.09 | 29.95 | 47.042 | | | | |
| 5,600.00 | 5,555.63 | 5,339.35 | 5,191.66 | 16.61 | 23.91 | -126.69 | 429.60 | -1,035.51 | 1,442.97 | 1,412.39 | 30.59 | 47.178 | | | | |
| 5,700.00 | 5,654.52 | 5,433.42 | 5,281.97 | 16.96 | 24.46 | -126.69 | 440.37 | -1,059.52 | 1,476.90 | 1,445.68 | 31.22 | 47.308 | | | | |
| 5,800.00 | 5,753.42 | 5,527.49 | 5,372.28 | 17.31 | 25.01 | -126.68 | 451.15 | -1,083.53 | 1,510.83 | 1,478.98 | 31.85 | 47.432 | | | | |
| 5,900.00 | 5,852.31 | 5,621.55 | 5,462.59 | 17.66 | 25.56 | -126.67 | 461.93 | -1,107.54 | 1,544.77 | 1,512.28 | 32.49 | 47.551 | | | | |
| 6,000.00 | 5,951.21 | 5,715.62 | 5,552.90 | 18.01 | 26.11 | -126.66 | 472.70 | -1,131.55 | 1,578.70 | 1,545.58 | 33.12 | 47.665 | | | | |
| 6,100.00 | 6,050.10 | 5,809.69 | 5,643.21 | 18.36 | 26.66 | -126.65 | 483.48 | -1,155.56 | 1,612.63 | 1,578.87 | 33.75 | 47.775 | | | | |
| 6,200.00 | 6,149.00 | 5,903.76 | 5,733.52 | 18.71 | 27.22 | -126.65 | 494.26 | -1,179.57 | 1,646.56 | 1,612.17 | 34.39 | 47.880 | | | | |
| 6,300.00 | 6,247.89 | 5,997.82 | 5,823.83 | 19.06 | 27.77 | -126.64 | 505.03 | -1,203.58 | 1,680.49 | 1,645.47 | 35.02 | 47.980 | | | | |
| 6,400.00 | 6,346.79 | 6,091.89 | 5,914.14 | 19.41 | 28.32 | -126.63 | 515.81 | -1,227.59 | 1,714.42 | 1,678.76 | 35.66 | 48.077 | | | | |
| 6,500.00 | 6,445.68 | 6,185.96 | 6,004.45 | 19.76 | 28.87 | -126.63 | 526.59 | -1,251.60 | 1,748.35 | 1,712.06 | 36.30 | 48.170 | | | | |
| 6,600.00 | 6,544.58 | 6,280.02 | 6,094.77 | 20.11 | 29.42 | -126.62 | 537.36 | -1,275.61 | 1,782.29 | 1,745.35 | 36.93 | 48.260 | | | | |
| 6,700.00 | 6,643.53 | 6,374.08 | 6,185.07 | 20.44 | 29.97 | -140.58 | 548.14 | -1,299.61 | 1,816.22 | 1,778.55 | 37.67 | 48.214 | | | | |
| 6,800.00 | 6,743.00 | 6,467.18 | 6,274.45 | 20.62 | 30.52 | 128.12 | 558.80 | -1,323.38 | 1,849.90 | 1,811.27 | 38.63 | 47.885 | | | | |
| 6,900.00 | 6,840.75 | 6,556.67 | 6,360.37 | 20.64 | 31.04 | 101.85 | 569.06 | -1,346.22 | 1,882.78 | 1,843.36 | 39.42 | 47.765 | | | | |
| 7,000.00 | 6,933.82 | 6,639.85 | 6,440.22 | 20.54 | 31.53 | 93.16 | 578.59 | -1,367.45 | 1,914.59 | 1,874.65 | 39.94 | 47.933 | | | | |
| 7,100.00 | 7,019.36 | 6,714.17 | 6,511.57 | 20.31 | 31.97 | 88.46 | 587.10 | -1,386.42 | 1,945.42 | 1,905.24 | 40.18 | 48.412 | | | | |
| 7,200.00 | 7,094.79 | 6,777.38 | 6,572.26 | 20.01 | 32.34 | 85.22 | 594.34 | -1,402.55 | 1,975.51 | 1,935.35 | 40.16 | 49.191 | | | | |
| 7,300.00 | 7,157.81 | 6,827.56 | 6,620.44 | 19.66 | 32.63 | 82.54 | 600.09 | -1,415.36 | 2,005.12 | 1,965.22 | 39.90 | 50.255 | | | | |
| 7,400.00 | 7,206.51 | 6,904.50 | 6,694.64 | 19.29 | 32.99 | 81.09 | 604.02 | -1,435.10 | 2,034.08 | 1,994.59 | 39.48 | 51.519 | | | | |
| 7,500.00 | 7,239.40 | 7,016.49 | 6,801.98 | 18.94 | 33.38 | 80.94 | 591.33 | -1,463.72 | 2,061.56 | 2,022.56 | 38.99 | 52.873 | | | | |
| 7,600.00 | 7,255.49 | 7,272.24 | 7,024.21 | 18.63 | 33.79 | 84.38 | 484.54 | -1,523.21 | 2,085.79 | 2,047.48 | 38.31 | 55.448 | | | | |
| 7,700.00 | 7,256.04 | 7,836.06 | 7,238.59 | 18.39 | 33.36 | 89.52 | -9.57 | -1,581.80 | 2,093.96 | 2,056.26 | 37.70 | 55.537 | | | | |
| 7,800.00 | 7,253.91 | 7,936.06 | 7,237.39 | 18.51 | 33.33 | 89.55 | -109.56 | -1,581.80 | 2,093.95 | 2,055.53 | 38.43 | 54.494 | | | | |
| 7,900.00 | 7,251.78 | 8,036.05 | 7,236.20 | 19.20 | 33.38 | 89.57 | -209.54 | -1,581.80 | 2,093.95 | 2,054.46 | 39.49 | 53.024 | | | | |
| 8,000.00 | 7,249.65 | 8,136.05 | 7,235.00 | 20.08 | 33.52 | 89.60 | -309.53 | -1,581.80 | 2,093.94 | 2,053.05 | 40.89 | 51.214 | | | | |
| 8,100.00 | 7,247.53 | 8,236.04 | 7,233.80 | 21.07 | 33.77 | 89.62 | -409.52 | -1,581.80 | 2,093.93 | 2,051.36 | 42.58 | 49.178 | | | | |
| 8,200.00 | 7,245.40 | 8,336.04 | 7,232.61 | 22.17 | 34.12 | 89.65 | -509.51 | -1,581.80 | 2,093.93 | 2,049.39 | 44.54 | 47.018 | | | | |
| 8,300.00 | 7,243.27 | 8,436.04 | 7,231.41 | 23.36 | 34.58 | 89.68 | -609.50 | -1,581.80 | 2,093.92 | 2,047.20 | 46.72 | 44.817 | | | | |
| 8,400.00 | 7,241.14 | 8,536.03 | 7,230.22 | 24.64 | 35.16 | 89.70 | -709.49 | -1,581.80 | 2,093.92 | 2,044.81 | 49.11 | 42.639 | | | | |
| 8,500.00 | 7,239.01 | 8,636.03 | 7,229.02 | 25.98 | 35.84 | 89.73 | -809.48 | -1,581.80 | 2,093.91 | 2,042.25 | 51.67 | 40.527 | | | | |
| 8,600.00 | 7,236.89 | 8,736.02 | 7,227.82 | 27.39 | 36.64 | 89.75 | -909.46 | -1,581.80 | 2,093.91 | 2,039.54 | 54.37 | 38.510 | | | | |
| 8,700.00 | 7,234.76 | 8,836.02 | 7,226.63 | 28.85 | 37.53 | 89.78 | -1,009.45 | -1,581.80 | 2,093.91 | 2,036.70 | 57.21 | 36.602 | | | | |
| 8,800.00 | 7,232.63 | 8,936.01 | 7,225.43 | 30.36 | 38.52 | 89.80 | -1,109.44 | -1,581.80 | 2,093.90 | 2,033.76 | 60.15 | 34.812 | | | | |
| 8,900.00 | 7,230.50 | 9,036.01 | 7,224.24 | 31.91 | 39.60 | 89.83 | -1,209.43 | -1,581.80 | 2,093.90 | 2,030.72 | 63.19 | 33.139 | | | | |
| 9,000.00 | 7,228.38 | 9,136.01 | 7,223.04 | 33.49 | 40.76 | 89.85 | -1,309.42 | -1,581.80 | 2,093.90 | 2,027.60 | 66.30 | 31.581 | | | | |
| 9,100.00 | 7,226.25 | 9,236.00 | 7,221.84 | 35.11 | 41.98 | 89.88 | -1,409.41 | -1,581.80 | 2,093.90 | 2,024.41 | 69.49 | 30.132 | | | | |
| 9,200.00 | 7,224.12 | 9,336.00 | 7,220.65 | 36.75 | 43.27 | 89.90 | -1,509.40 | -1,581.80 | 2,093.90 | 2,021.16 | 72.74 | 28.787 | | | | |
| 9,300.00 | 7,221.99 | 9,435.99 | 7,219.45 | 38.41 | 44.60 | 89.93 | -1,609.38 | -1,581.80 | 2,093.89 | 2,017.86 | 76.04 | 27.537 | | | | |
| 9,400.00 | 7,219.86 | 9,535.99 | 7,218.25 | 40.10 | 45.99 | 89.96 | -1,709.37 | -1,581.80 | 2,093.89 | 2,014.51 | 79.39 | 26.376 | | | | |
| 9,500.00 | 7,217.74 | 9,635.98 | 7,217.06 | 41.80 | 47.42 | 89.98 | -1,809.36 | -1,581.80 | 2,093.89 | 2,011.12 | 82.78 | 25.296 | | | | |
| 9,503.18 | 7,217.67 | 9,639.17 | 7,217.02 | 41.86 | 47.47 | 89.98 | -1,812.54 | -1,581.80 | 2,093.89 | 2,011.01 | 82.89 | 25.263 | | | | |
| 9,600.00 | 7,215.61 | 9,735.98 | 7,215.86 | 43.53 | 48.89 | 90.01 | -1,909.35 | -1,581.80 | 2,093.89 | 2,007.69 | 86.20 | 24.291 | | | | |
| 9,700.00 | 7,213.48 | 9,835.97 | 7,214.67 | 45.26 | 50.39 | 90.03 | -2,009.34 | -1,581.80 | 2,093.89 | 2,004.24 | 89.66 | 23.354 | | | | |
| 9,800.00 | 7,211.35 | 9,935.97 | 7,213.47 | 47.01 | 51.93 | 90.06 | -2,109.33 | -1,581.80 | 2,093.90 | 2,000.75 | 93.14 | 22.480 | | | | |
| 9,900.00 | 7,209.22 | 10,035.97 | 7,212.27 | 48.77 | 53.48 | 90.08 | -2,209.32 | -1,581.81 | 2,093.90 | 1,997.24 | 96.65 | 21.664 | | | | |
| 10,000.00 | 7,207.10 | 10,135.96 | 7,211.08 | 50.54 | 55.07 | 90.11 | -2,309.30 | -1,581.81 | 2,093.90 | 1,993.71 | 100.19 | 20.900 | | | | |
| 10,100.00 | 7,204.97 | 10,235.96 | 7,209.88 | 52.32 | 56.67 | 90.13 | -2,409.29 | -1,581.81 | 2,093.90 | 1,990.16 | 103.74 | 20.184 | | | | |
| 10,200.00 | 7,202.84 | 10,335.95 | 7,208.69 | 54.11 | 58.30 | 90.16 | -2,509.28 | -1,581.81 | 2,093.90 | 1,986.59 | 107.31 | 19.512 | | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | | |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--|---------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | WELD_CAMP 5 PAD - Camp 36N-26HZ - Camp 36N-26HZ - Camp 36N-26HZ (wp02) - H&P 307 | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre | | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | | |
| | | | | | | | +N/-S (ft) | +E/-W (ft) | | | | | | | | |
| 10,300.00 | 7,200.71 | 10,435.95 | 7,207.49 | 55.91 | 59.94 | 90.19 | -2,609.27 | -1,581.81 | 2,093.91 | 1,983.01 | 110.90 | 18.881 | | | | |
| 10,400.00 | 7,198.59 | 10,535.94 | 7,206.29 | 57.72 | 61.60 | 90.21 | -2,709.26 | -1,581.81 | 2,093.91 | 1,979.41 | 114.50 | 18.287 | | | | |
| 10,500.00 | 7,196.46 | 10,635.94 | 7,205.10 | 59.53 | 63.27 | 90.24 | -2,809.25 | -1,581.81 | 2,093.91 | 1,975.79 | 118.12 | 17.727 | | | | |
| 10,600.00 | 7,194.33 | 10,735.94 | 7,203.90 | 61.34 | 64.96 | 90.26 | -2,909.23 | -1,581.81 | 2,093.92 | 1,972.17 | 121.75 | 17.198 | | | | |
| 10,700.00 | 7,192.20 | 10,835.93 | 7,202.71 | 63.17 | 66.66 | 90.29 | -3,009.22 | -1,581.81 | 2,093.92 | 1,968.53 | 125.39 | 16.699 | | | | |
| 10,800.00 | 7,190.07 | 10,935.93 | 7,201.51 | 64.99 | 68.37 | 90.31 | -3,109.21 | -1,581.81 | 2,093.93 | 1,964.89 | 129.04 | 16.227 | | | | |
| 10,900.00 | 7,187.95 | 11,035.92 | 7,200.31 | 66.83 | 70.09 | 90.34 | -3,209.20 | -1,581.81 | 2,093.93 | 1,961.23 | 132.70 | 15.779 | | | | |
| 11,000.00 | 7,185.82 | 11,135.92 | 7,199.12 | 68.66 | 71.83 | 90.36 | -3,309.19 | -1,581.81 | 2,093.94 | 1,957.57 | 136.37 | 15.354 | | | | |
| 11,100.00 | 7,183.69 | 11,235.91 | 7,197.92 | 70.50 | 73.57 | 90.39 | -3,409.18 | -1,581.81 | 2,093.95 | 1,953.90 | 140.05 | 14.951 | | | | |
| 11,200.00 | 7,181.56 | 11,335.91 | 7,196.73 | 72.35 | 75.32 | 90.41 | -3,509.17 | -1,581.81 | 2,093.95 | 1,950.22 | 143.74 | 14.568 | | | | |
| 11,300.00 | 7,179.44 | 11,435.91 | 7,195.53 | 74.19 | 77.07 | 90.44 | -3,609.15 | -1,581.81 | 2,093.96 | 1,946.53 | 147.43 | 14.203 | | | | |
| 11,400.00 | 7,177.31 | 11,535.90 | 7,194.33 | 76.04 | 78.84 | 90.47 | -3,709.14 | -1,581.81 | 2,093.97 | 1,942.84 | 151.12 | 13.856 | | | | |
| 11,500.00 | 7,175.18 | 11,635.90 | 7,193.14 | 77.90 | 80.61 | 90.49 | -3,809.13 | -1,581.81 | 2,093.98 | 1,939.15 | 154.83 | 13.524 | | | | |
| 11,600.00 | 7,173.05 | 11,735.89 | 7,191.94 | 79.75 | 82.39 | 90.52 | -3,909.12 | -1,581.81 | 2,093.99 | 1,935.45 | 158.54 | 13.208 | | | | |
| 11,700.00 | 7,170.92 | 11,835.89 | 7,190.74 | 81.61 | 84.17 | 90.54 | -4,009.11 | -1,581.81 | 2,093.99 | 1,931.74 | 162.25 | 12.906 | | | | |
| 11,800.00 | 7,168.80 | 11,935.88 | 7,189.55 | 83.47 | 85.96 | 90.57 | -4,109.10 | -1,581.81 | 2,094.00 | 1,928.03 | 165.97 | 12.617 | | | | |
| 11,837.41 | 7,168.00 | 11,973.30 | 7,189.10 | 84.17 | 86.63 | 90.58 | -4,146.51 | -1,581.81 | 2,094.01 | 1,926.64 | 167.36 | 12.512 | | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design WELD_CAMP 5 PAD - CAMP 37-26 offset - CAMP 37-26 - CAMP 37-26 | | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 908-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Reference | | | | Offset | | Semi Major Axis | | | Distance | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 178.63 | -3,979.08 | 95.27 | 3,980.23 | | | | | |
| 100.00 | 100.00 | 91.42 | 91.42 | 0.08 | 0.12 | 178.63 | -3,979.09 | 95.23 | 3,980.23 | 3,980.02 | 0.21 | N/A | | |
| 200.00 | 200.00 | 190.78 | 190.78 | 0.31 | 0.25 | 178.63 | -3,979.12 | 95.09 | 3,980.25 | 3,979.69 | 0.56 | 7,076.037 | | |
| 300.00 | 300.00 | 290.14 | 290.14 | 0.53 | 0.39 | 178.63 | -3,979.16 | 94.87 | 3,980.29 | 3,979.37 | 0.92 | 4,330.354 | | |
| 400.00 | 400.00 | 389.51 | 389.51 | 0.76 | 0.52 | 178.64 | -3,979.22 | 94.55 | 3,980.35 | 3,979.07 | 1.28 | 3,119.825 | | |
| 500.00 | 500.00 | 488.87 | 488.87 | 0.98 | 0.65 | 178.64 | -3,979.30 | 94.14 | 3,980.42 | 3,978.78 | 1.63 | 2,438.256 | | |
| 600.00 | 600.00 | 588.23 | 588.23 | 1.21 | 0.78 | 178.65 | -3,979.40 | 93.63 | 3,980.50 | 3,978.51 | 1.99 | 2,001.112 | | |
| 700.00 | 700.00 | 687.59 | 687.59 | 1.43 | 0.91 | 178.66 | -3,979.52 | 93.04 | 3,980.61 | 3,978.26 | 2.35 | 1,696.904 | | |
| 800.00 | 800.00 | 786.95 | 786.94 | 1.66 | 1.04 | 178.67 | -3,979.65 | 92.34 | 3,980.73 | 3,978.02 | 2.70 | 1,472.999 | | |
| 900.00 | 900.00 | 886.31 | 886.30 | 1.88 | 1.18 | 178.68 | -3,979.80 | 91.56 | 3,980.86 | 3,977.80 | 3.06 | 1,301.310 | | |
| 1,000.00 | 1,000.00 | 938.61 | 938.59 | 2.11 | 1.28 | 178.69 | -3,980.08 | 90.96 | 3,981.47 | 3,978.08 | 3.39 | 1,174.288 | | |
| 1,100.00 | 1,100.00 | 993.00 | 992.95 | 2.33 | 1.42 | 178.71 | -3,981.42 | 89.48 | 3,983.65 | 3,979.90 | 3.75 | 1,061.254 | | |
| 1,200.00 | 1,200.00 | 1,033.21 | 1,033.09 | 2.56 | 1.52 | 178.74 | -3,982.95 | 87.77 | 3,987.09 | 3,983.01 | 4.08 | 977.115 | | |
| 1,300.00 | 1,300.00 | 1,088.00 | 1,087.73 | 2.78 | 1.66 | 178.78 | -3,985.40 | 84.62 | 3,991.52 | 3,987.08 | 4.44 | 898.147 | | |
| 1,400.00 | 1,399.98 | 1,129.80 | 1,129.36 | 3.00 | 1.77 | 142.34 | -3,987.80 | 81.76 | 3,998.66 | 3,993.88 | 4.78 | 836.425 | | |
| 1,500.00 | 1,499.84 | 1,178.00 | 1,177.29 | 3.23 | 1.89 | 142.27 | -3,991.55 | 78.22 | 4,010.21 | 4,005.08 | 5.13 | 781.593 | | |
| 1,600.00 | 1,599.45 | 1,178.00 | 1,177.29 | 3.45 | 1.89 | 142.08 | -3,991.55 | 78.22 | 4,026.13 | 4,020.77 | 5.36 | 751.118 | | |
| 1,700.00 | 1,698.70 | 1,233.80 | 1,232.63 | 3.69 | 2.04 | 141.94 | -3,997.20 | 73.88 | 4,046.06 | 4,040.32 | 5.74 | 705.437 | | |
| 1,800.00 | 1,797.61 | 1,268.00 | 1,266.46 | 3.95 | 2.12 | 141.95 | -4,001.36 | 71.13 | 4,069.66 | 4,063.60 | 6.07 | 670.845 | | |
| 1,900.00 | 1,896.51 | 1,402.65 | 1,399.65 | 4.22 | 2.47 | 142.29 | -4,018.05 | 60.44 | 4,093.63 | 4,086.98 | 6.65 | 615.609 | | |
| 2,000.00 | 1,995.40 | 1,526.02 | 1,521.56 | 4.51 | 2.81 | 142.63 | -4,032.40 | 48.14 | 4,116.98 | 4,109.76 | 7.22 | 569.977 | | |
| 2,100.00 | 2,094.30 | 1,582.48 | 1,577.37 | 4.80 | 2.97 | 142.78 | -4,038.94 | 42.68 | 4,140.42 | 4,132.78 | 7.63 | 542.481 | | |
| 2,200.00 | 2,193.19 | 1,630.00 | 1,624.24 | 5.10 | 3.10 | 142.91 | -4,045.01 | 37.70 | 4,165.02 | 4,157.00 | 8.02 | 519.188 | | |
| 2,300.00 | 2,292.09 | 1,784.47 | 1,776.76 | 5.41 | 3.54 | 143.31 | -4,064.30 | 22.74 | 4,189.33 | 4,180.64 | 8.69 | 482.038 | | |
| 2,400.00 | 2,390.98 | 1,925.66 | 1,916.65 | 5.72 | 3.93 | 143.63 | -4,080.19 | 12.05 | 4,212.47 | 4,203.14 | 9.32 | 451.816 | | |
| 2,500.00 | 2,489.88 | 1,992.00 | 1,982.26 | 6.04 | 4.12 | 143.80 | -4,087.78 | 5.98 | 4,235.92 | 4,226.15 | 9.77 | 433.561 | | |
| 2,600.00 | 2,588.77 | 2,079.82 | 2,068.94 | 6.36 | 4.38 | 144.03 | -4,098.16 | -3.64 | 4,259.91 | 4,249.64 | 10.28 | 414.419 | | |
| 2,700.00 | 2,687.67 | 2,160.65 | 2,148.65 | 6.68 | 4.61 | 144.26 | -4,107.72 | -12.99 | 4,284.04 | 4,273.27 | 10.77 | 397.715 | | |
| 2,800.00 | 2,786.56 | 2,362.54 | 2,347.93 | 7.01 | 5.20 | 144.82 | -4,129.00 | -37.25 | 4,306.81 | 4,295.22 | 11.59 | 371.579 | | |
| 2,900.00 | 2,885.46 | 2,478.45 | 2,462.64 | 7.34 | 5.54 | 145.12 | -4,139.75 | -49.96 | 4,328.62 | 4,316.45 | 12.18 | 355.409 | | |
| 3,000.00 | 2,984.36 | 2,623.00 | 2,605.68 | 7.67 | 5.96 | 145.50 | -4,152.28 | -66.57 | 4,350.05 | 4,337.20 | 12.85 | 338.654 | | |
| 3,100.00 | 3,083.25 | 2,701.77 | 2,683.71 | 8.00 | 6.19 | 145.70 | -4,158.67 | -75.31 | 4,370.93 | 4,357.60 | 13.34 | 327.758 | | |
| 3,200.00 | 3,182.15 | 2,776.19 | 2,757.31 | 8.34 | 6.40 | 145.90 | -4,165.03 | -84.28 | 4,392.37 | 4,378.56 | 13.81 | 317.947 | | |
| 3,300.00 | 3,281.04 | 2,879.45 | 2,859.37 | 8.67 | 6.70 | 146.17 | -4,174.13 | -97.03 | 4,414.16 | 4,399.79 | 14.37 | 307.147 | | |
| 3,400.00 | 3,379.94 | 2,936.81 | 2,916.10 | 9.01 | 6.87 | 146.32 | -4,179.25 | -103.80 | 4,436.17 | 4,421.36 | 14.81 | 299.619 | | |
| 3,500.00 | 3,478.83 | 2,985.05 | 2,963.68 | 9.35 | 7.01 | 146.45 | -4,184.05 | -110.11 | 4,459.26 | 4,444.04 | 15.22 | 293.063 | | |
| 3,600.00 | 3,577.73 | 3,087.00 | 3,064.19 | 9.69 | 7.31 | 146.73 | -4,194.64 | -123.57 | 4,482.88 | 4,467.11 | 15.77 | 284.250 | | |
| 3,700.00 | 3,676.62 | 3,166.00 | 3,142.15 | 10.03 | 7.55 | 146.93 | -4,202.74 | -133.39 | 4,506.45 | 4,490.19 | 16.26 | 277.106 | | |
| 3,800.00 | 3,775.52 | 3,219.81 | 3,195.24 | 10.37 | 7.71 | 147.07 | -4,208.62 | -139.90 | 4,530.78 | 4,514.09 | 16.69 | 271.521 | | |
| 3,900.00 | 3,874.41 | 3,280.97 | 3,255.49 | 10.72 | 7.89 | 147.22 | -4,216.16 | -147.25 | 4,556.30 | 4,539.17 | 17.13 | 265.995 | | |
| 4,000.00 | 3,973.31 | 3,402.90 | 3,375.81 | 11.06 | 8.25 | 147.50 | -4,230.87 | -160.34 | 4,581.57 | 4,563.84 | 17.73 | 258.412 | | |
| 4,100.00 | 4,072.20 | 3,505.86 | 3,477.32 | 11.40 | 8.55 | 147.75 | -4,243.11 | -172.53 | 4,606.89 | 4,588.61 | 18.28 | 252.023 | | |
| 4,200.00 | 4,171.10 | 3,637.82 | 3,607.65 | 11.75 | 8.94 | 148.05 | -4,257.84 | -187.05 | 4,631.44 | 4,612.53 | 18.91 | 244.979 | | |
| 4,300.00 | 4,269.99 | 3,771.56 | 3,739.87 | 12.09 | 9.33 | 148.35 | -4,271.99 | -201.23 | 4,655.51 | 4,635.98 | 19.53 | 238.324 | | |
| 4,400.00 | 4,368.89 | 3,843.00 | 3,810.53 | 12.44 | 9.54 | 148.50 | -4,279.39 | -208.73 | 4,679.45 | 4,659.45 | 20.00 | 233.963 | | |
| 4,500.00 | 4,467.78 | 3,933.00 | 3,899.51 | 12.78 | 9.80 | 148.69 | -4,289.12 | -218.13 | 4,703.86 | 4,683.34 | 20.51 | 229.290 | | |
| 4,600.00 | 4,566.68 | 3,978.60 | 3,944.56 | 13.13 | 9.94 | 148.79 | -4,294.37 | -222.84 | 4,728.92 | 4,708.00 | 20.91 | 226.120 | | |
| 4,700.00 | 4,665.57 | 4,107.37 | 4,071.74 | 13.48 | 10.31 | 149.05 | -4,309.97 | -235.59 | 4,754.79 | 4,733.26 | 21.52 | 220.916 | | |
| 4,800.00 | 4,764.47 | 4,153.25 | 4,117.13 | 13.82 | 10.45 | 149.13 | -4,315.39 | -239.52 | 4,780.16 | 4,758.24 | 21.92 | 218.078 | | |
| 4,900.00 | 4,863.36 | 4,204.00 | 4,167.23 | 14.17 | 10.59 | 149.23 | -4,322.07 | -244.09 | 4,806.72 | 4,784.39 | 22.33 | 215.281 | | |
| 5,000.00 | 4,962.26 | 4,269.86 | 4,232.15 | 14.52 | 10.79 | 149.35 | -4,331.20 | -250.34 | 4,834.10 | 4,811.32 | 22.77 | 212.262 | | |
| 5,100.00 | 5,061.15 | 4,381.64 | 4,342.21 | 14.87 | 11.12 | 149.59 | -4,346.34 | -262.69 | 4,861.51 | 4,838.17 | 23.34 | 208.296 | | |

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

Anadarko Petroleum Corp Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|--------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 908-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 5,200.00 | 5,160.05 | 4,654.00 | 4,611.02 | 15.21 | 11.93 | 150.16 | -4,377.23 | -293.52 | 4,886.69 | 4,862.37 | 24.32 | 200.940 | | |
| 5,300.00 | 5,258.94 | 4,722.53 | 4,678.91 | 15.56 | 12.13 | 150.29 | -4,384.02 | -299.94 | 4,910.60 | 4,885.83 | 24.77 | 198.225 | | |
| 5,400.00 | 5,357.84 | 4,771.73 | 4,727.61 | 15.91 | 12.27 | 150.37 | -4,389.42 | -304.40 | 4,935.47 | 4,910.29 | 25.18 | 196.029 | | |
| 5,500.00 | 5,456.73 | 4,834.00 | 4,789.13 | 16.26 | 12.45 | 150.49 | -4,396.93 | -310.41 | 4,961.37 | 4,935.75 | 25.61 | 193.696 | | |
| 5,600.00 | 5,555.63 | 4,902.15 | 4,856.41 | 16.61 | 12.65 | 150.61 | -4,405.56 | -317.04 | 4,987.91 | 4,961.85 | 26.07 | 191.364 | | |
| 5,700.00 | 5,654.52 | 4,985.18 | 4,938.38 | 16.96 | 12.89 | 150.76 | -4,416.10 | -324.94 | 5,014.61 | 4,988.06 | 26.55 | 188.852 | | |
| 5,800.00 | 5,753.42 | 5,048.07 | 5,000.40 | 17.31 | 13.08 | 150.88 | -4,424.26 | -331.55 | 5,041.76 | 5,014.77 | 26.99 | 186.790 | | |
| 5,900.00 | 5,852.31 | 5,105.00 | 5,056.35 | 17.66 | 13.25 | 151.00 | -4,431.93 | -338.65 | 5,069.71 | 5,042.29 | 27.41 | 184.925 | | |
| 6,000.00 | 5,951.21 | 5,343.55 | 5,291.37 | 18.01 | 13.97 | 151.46 | -4,462.10 | -366.07 | 5,096.94 | 5,068.64 | 28.30 | 180.116 | | |
| 6,100.00 | 6,050.10 | 5,560.17 | 5,505.90 | 18.36 | 14.59 | 151.83 | -4,484.36 | -386.09 | 5,121.42 | 5,092.30 | 29.12 | 175.864 | | |
| 6,200.00 | 6,149.00 | 5,933.89 | 5,878.03 | 18.71 | 15.61 | 152.32 | -4,510.32 | -407.34 | 5,142.15 | 5,111.82 | 30.33 | 169.565 | | |
| 6,300.00 | 6,247.89 | 6,114.64 | 6,058.57 | 19.06 | 16.07 | 152.50 | -4,517.47 | -412.24 | 5,159.64 | 5,128.60 | 31.04 | 166.207 | | |
| 6,400.00 | 6,346.79 | 6,249.79 | 6,193.63 | 19.41 | 16.41 | 152.62 | -4,521.43 | -414.76 | 5,176.01 | 5,144.36 | 31.65 | 163.550 | | |
| 6,500.00 | 6,445.68 | 6,386.13 | 6,329.93 | 19.76 | 16.75 | 152.74 | -4,524.56 | -416.26 | 5,191.64 | 5,159.39 | 32.25 | 160.996 | | |
| 6,600.00 | 6,544.58 | 6,517.61 | 6,461.40 | 20.11 | 17.05 | 152.84 | -4,526.68 | -416.89 | 5,206.48 | 5,173.66 | 32.82 | 158.634 | | |
| 6,700.00 | 6,643.53 | 6,637.27 | 6,581.04 | 20.44 | 17.31 | 153.80 | -4,528.19 | -417.03 | 5,220.42 | 5,187.11 | 33.31 | 156.713 | | |
| 6,800.00 | 6,743.00 | 6,737.79 | 6,681.56 | 20.62 | 17.54 | 151.73 | -4,529.23 | -417.20 | 5,221.78 | 5,188.09 | 33.68 | 155.022 | | |
| 6,900.00 | 6,840.75 | 6,841.75 | 6,785.51 | 20.64 | 17.78 | 28.43 | -4,530.16 | -417.47 | 5,205.93 | 5,172.86 | 33.07 | 157.441 | | |
| 7,000.00 | 6,933.82 | 6,933.60 | 6,877.36 | 20.54 | 17.99 | 22.60 | -4,531.05 | -417.57 | 5,173.54 | 5,142.08 | 31.46 | 164.453 | | |
| 7,100.00 | 7,019.36 | 7,032.65 | 6,976.40 | 20.31 | 18.21 | 21.01 | -4,531.82 | -417.58 | 5,125.37 | 5,096.33 | 29.04 | 176.464 | | |
| 7,200.00 | 7,094.79 | 7,106.69 | 7,050.45 | 20.01 | 18.38 | 21.53 | -4,532.31 | -417.73 | 5,063.06 | 5,037.00 | 26.06 | 194.307 | | |
| 7,300.00 | 7,157.81 | 7,164.49 | 7,108.24 | 19.66 | 18.52 | 23.99 | -4,532.74 | -417.89 | 4,988.64 | 4,965.51 | 23.13 | 215.720 | | |
| 7,400.00 | 7,206.51 | 7,220.78 | 7,164.53 | 19.29 | 18.64 | 29.52 | -4,533.17 | -418.02 | 4,904.32 | 4,882.59 | 21.72 | 225.776 | | |
| 7,500.00 | 7,239.40 | 7,262.50 | 7,206.25 | 18.94 | 18.74 | 41.45 | -4,533.42 | -418.03 | 4,812.59 | 4,787.93 | 24.65 | 195.207 | | |
| 7,600.00 | 7,255.49 | 7,279.86 | 7,223.61 | 18.63 | 18.77 | 69.13 | -4,533.52 | -418.02 | 4,716.32 | 4,682.93 | 33.39 | 141.264 | | |
| 7,700.00 | 7,256.04 | 7,280.87 | 7,224.62 | 18.39 | 18.77 | 94.48 | -4,533.52 | -418.02 | 4,618.43 | 4,582.17 | 36.26 | 127.365 | | |
| 7,800.00 | 7,253.91 | 7,279.38 | 7,223.13 | 18.51 | 18.77 | 94.39 | -4,533.51 | -418.02 | 4,520.53 | 4,483.77 | 36.76 | 122.964 | | |
| 7,900.00 | 7,251.78 | 7,277.89 | 7,221.64 | 19.20 | 18.77 | 94.30 | -4,533.51 | -418.02 | 4,422.73 | 4,385.28 | 37.45 | 118.102 | | |
| 8,000.00 | 7,249.65 | 7,276.39 | 7,220.14 | 20.08 | 18.77 | 94.20 | -4,533.50 | -418.02 | 4,325.03 | 4,286.73 | 38.30 | 112.923 | | |
| 8,100.00 | 7,247.53 | 7,274.88 | 7,218.63 | 21.07 | 18.76 | 94.11 | -4,533.49 | -418.02 | 4,227.44 | 4,188.14 | 39.30 | 107.566 | | |
| 8,200.00 | 7,245.40 | 7,273.38 | 7,217.13 | 22.17 | 18.76 | 94.02 | -4,533.48 | -418.02 | 4,129.96 | 4,089.53 | 40.43 | 102.151 | | |
| 8,300.00 | 7,243.27 | 7,270.00 | 7,213.75 | 23.36 | 18.75 | 93.81 | -4,533.46 | -418.03 | 4,032.61 | 3,990.95 | 41.66 | 96.807 | | |
| 8,400.00 | 7,241.14 | 7,270.00 | 7,213.75 | 24.64 | 18.75 | 93.81 | -4,533.46 | -418.03 | 3,935.38 | 3,892.38 | 43.00 | 91.512 | | |
| 8,500.00 | 7,239.01 | 7,268.51 | 7,212.26 | 25.98 | 18.75 | 93.72 | -4,533.46 | -418.03 | 3,838.30 | 3,793.88 | 44.42 | 86.408 | | |
| 8,600.00 | 7,236.89 | 7,266.60 | 7,210.35 | 27.39 | 18.75 | 93.60 | -4,533.45 | -418.03 | 3,741.37 | 3,695.47 | 45.90 | 81.506 | | |
| 8,700.00 | 7,234.76 | 7,264.71 | 7,208.46 | 28.85 | 18.74 | 93.49 | -4,533.44 | -418.03 | 3,644.61 | 3,597.17 | 47.44 | 76.819 | | |
| 8,800.00 | 7,232.63 | 7,262.83 | 7,206.58 | 30.36 | 18.74 | 93.37 | -4,533.43 | -418.03 | 3,548.03 | 3,498.99 | 49.04 | 72.356 | | |
| 8,900.00 | 7,230.50 | 7,260.96 | 7,204.71 | 31.91 | 18.73 | 93.26 | -4,533.42 | -418.03 | 3,451.64 | 3,400.97 | 50.67 | 68.120 | | |
| 9,000.00 | 7,228.38 | 7,259.11 | 7,202.86 | 33.49 | 18.73 | 93.14 | -4,533.41 | -418.03 | 3,355.46 | 3,303.11 | 52.34 | 64.107 | | |
| 9,100.00 | 7,226.25 | 7,257.27 | 7,201.02 | 35.11 | 18.72 | 93.03 | -4,533.40 | -418.03 | 3,259.50 | 3,205.46 | 54.04 | 60.312 | | |
| 9,200.00 | 7,224.12 | 7,255.45 | 7,199.20 | 36.75 | 18.72 | 92.92 | -4,533.39 | -418.03 | 3,163.80 | 3,108.03 | 55.77 | 56.725 | | |
| 9,300.00 | 7,221.99 | 7,253.64 | 7,197.39 | 38.41 | 18.72 | 92.81 | -4,533.38 | -418.03 | 3,068.37 | 3,010.84 | 57.53 | 53.336 | | |
| 9,400.00 | 7,219.86 | 7,251.85 | 7,195.60 | 40.10 | 18.71 | 92.70 | -4,533.37 | -418.03 | 2,973.25 | 2,913.94 | 59.30 | 50.135 | | |
| 9,500.00 | 7,217.74 | 7,250.07 | 7,193.82 | 41.80 | 18.71 | 92.59 | -4,533.35 | -418.03 | 2,878.45 | 2,817.35 | 61.10 | 47.112 | | |
| 9,600.00 | 7,215.61 | 7,248.30 | 7,192.05 | 43.53 | 18.70 | 92.48 | -4,533.34 | -418.03 | 2,784.01 | 2,721.10 | 62.91 | 44.255 | | |
| 9,700.00 | 7,213.48 | 7,246.55 | 7,190.30 | 45.26 | 18.70 | 92.37 | -4,533.33 | -418.03 | 2,689.97 | 2,625.24 | 64.73 | 41.555 | | |
| 9,800.00 | 7,211.35 | 7,244.81 | 7,188.56 | 47.01 | 18.70 | 92.27 | -4,533.32 | -418.03 | 2,596.38 | 2,529.81 | 66.57 | 39.002 | | |
| 9,900.00 | 7,209.22 | 7,243.08 | 7,186.83 | 48.77 | 18.69 | 92.16 | -4,533.31 | -418.03 | 2,503.29 | 2,434.87 | 68.42 | 36.588 | | |
| 10,000.00 | 7,207.10 | 7,241.37 | 7,185.12 | 50.54 | 18.69 | 92.05 | -4,533.30 | -418.03 | 2,410.74 | 2,340.47 | 70.28 | 34.304 | | |
| 10,100.00 | 7,204.97 | 7,239.67 | 7,183.42 | 52.32 | 18.69 | 91.95 | -4,533.29 | -418.03 | 2,318.82 | 2,246.67 | 72.14 | 32.142 | | |
| 10,200.00 | 7,202.84 | 7,237.98 | 7,181.73 | 54.11 | 18.68 | 91.85 | -4,533.28 | -418.03 | 2,227.59 | 2,153.57 | 74.02 | 30.095 | | |
| 10,300.00 | 7,200.71 | 7,236.31 | 7,180.06 | 55.91 | 18.68 | 91.74 | -4,533.27 | -418.03 | 2,137.14 | 2,061.23 | 75.90 | 28.156 | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 ft | | | |
|--------------------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|-----------------|----------------------|-----------------------|-------------------------|--------------------|---------|---------|--|---------|
| Survey Program: 908-NS-GYRO-MS | | | | | | | | | | | | Offset Well Error: | | 0.00 ft | | |
| Reference | | | | Offset | | | | Semi Major Axis | | | | Distance | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | | |
| 10,400.00 | 7,198.59 | 7,234.64 | 7,178.39 | 57.72 | 18.67 | 91.64 | -4,533.26 | -418.03 | 2,047.58 | 1,969.78 | 77.79 | 26.321 | | | | |
| 10,500.00 | 7,196.46 | 7,232.99 | 7,176.74 | 59.53 | 18.67 | 91.54 | -4,533.25 | -418.03 | 1,959.03 | 1,879.34 | 79.69 | 24.584 | | | | |
| 10,600.00 | 7,194.33 | 7,231.36 | 7,175.11 | 61.34 | 18.67 | 91.44 | -4,533.24 | -418.03 | 1,871.63 | 1,790.04 | 81.59 | 22.940 | | | | |
| 10,700.00 | 7,192.20 | 7,229.73 | 7,173.48 | 63.17 | 18.66 | 91.34 | -4,533.23 | -418.03 | 1,785.55 | 1,702.05 | 83.50 | 21.385 | | | | |
| 10,800.00 | 7,190.07 | 7,228.12 | 7,171.87 | 64.99 | 18.66 | 91.24 | -4,533.22 | -418.02 | 1,700.99 | 1,615.59 | 85.41 | 19.917 | | | | |
| 10,900.00 | 7,187.95 | 7,226.51 | 7,170.26 | 66.83 | 18.66 | 91.14 | -4,533.21 | -418.02 | 1,618.20 | 1,530.88 | 87.32 | 18.532 | | | | |
| 11,000.00 | 7,185.82 | 7,224.92 | 7,168.67 | 68.66 | 18.65 | 91.04 | -4,533.20 | -418.02 | 1,537.45 | 1,448.21 | 89.24 | 17.228 | | | | |
| 11,100.00 | 7,183.69 | 7,223.34 | 7,167.09 | 70.50 | 18.65 | 90.94 | -4,533.19 | -418.02 | 1,459.09 | 1,367.93 | 91.16 | 16.005 | | | | |
| 11,200.00 | 7,181.56 | 7,221.78 | 7,165.53 | 72.35 | 18.65 | 90.85 | -4,533.18 | -418.02 | 1,383.52 | 1,290.43 | 93.09 | 14.863 | | | | |
| 11,300.00 | 7,179.44 | 7,220.22 | 7,163.97 | 74.19 | 18.64 | 90.75 | -4,533.17 | -418.02 | 1,311.22 | 1,216.20 | 95.02 | 13.800 | | | | |
| 11,400.00 | 7,177.31 | 7,218.67 | 7,162.42 | 76.04 | 18.64 | 90.66 | -4,533.15 | -418.01 | 1,242.76 | 1,145.82 | 96.95 | 12.819 | | | | |
| 11,500.00 | 7,175.18 | 7,217.14 | 7,160.89 | 77.90 | 18.64 | 90.56 | -4,533.14 | -418.01 | 1,178.82 | 1,079.94 | 98.88 | 11.922 | | | | |
| 11,600.00 | 7,173.05 | 7,215.62 | 7,159.37 | 79.75 | 18.63 | 90.47 | -4,533.13 | -418.01 | 1,120.17 | 1,019.35 | 100.82 | 11.111 | | | | |
| 11,700.00 | 7,170.92 | 7,214.11 | 7,157.86 | 81.61 | 18.63 | 90.37 | -4,533.12 | -418.01 | 1,067.68 | 964.92 | 102.76 | 10.390 | | | | |
| 11,800.00 | 7,168.80 | 7,212.60 | 7,156.35 | 83.47 | 18.63 | 90.28 | -4,533.11 | -418.00 | 1,022.30 | 917.60 | 104.70 | 9.764 | | | | |
| 11,837.41 | 7,168.00 | 7,212.04 | 7,155.79 | 84.17 | 18.62 | 90.25 | -4,533.11 | -418.00 | 1,007.35 | 901.92 | 105.42 | 9.555 CC, ES, SF | | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | | |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--|---------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | WELD_CAMP 5 PAD - CAMP 37N-26HZ - CAMP 37N-26HZ - CAMP 37N-26HZ (wp03) H&P 307 | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre | | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | | |
| | | | | | | | +N/-S (ft) | +E/-W (ft) | | | | | | | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -118.61 | -10.21 | -18.71 | 21.32 | | | | | | | |
| 100.00 | 100.00 | 100.00 | 100.00 | 0.08 | 0.08 | -118.61 | -10.21 | -18.71 | 21.32 | 21.15 | 0.17 | 126.460 | | | | |
| 200.00 | 200.00 | 200.00 | 200.00 | 0.31 | 0.31 | -118.61 | -10.21 | -18.71 | 21.32 | 20.70 | 0.62 | 34.489 | | | | |
| 300.00 | 300.00 | 300.00 | 300.00 | 0.53 | 0.53 | -118.61 | -10.21 | -18.71 | 21.32 | 20.25 | 1.07 | 19.967 | | | | |
| 400.00 | 400.00 | 400.00 | 400.00 | 0.76 | 0.76 | -118.61 | -10.21 | -18.71 | 21.32 | 19.80 | 1.52 | 14.051 | | | | |
| 500.00 | 500.00 | 500.00 | 500.00 | 0.98 | 0.98 | -118.61 | -10.21 | -18.71 | 21.32 | 19.35 | 1.97 | 10.839 | | | | |
| 600.00 | 600.00 | 600.00 | 600.00 | 1.21 | 1.21 | -118.61 | -10.21 | -18.71 | 21.32 | 18.90 | 2.42 | 8.823 | | | | |
| 700.00 | 700.00 | 700.00 | 700.00 | 1.43 | 1.43 | -118.61 | -10.21 | -18.71 | 21.32 | 18.45 | 2.87 | 7.439 | | | | |
| 800.00 | 800.00 | 800.00 | 800.00 | 1.66 | 1.66 | -118.61 | -10.21 | -18.71 | 21.32 | 18.00 | 3.32 | 6.430 | | | | |
| 900.00 | 900.00 | 900.00 | 900.00 | 1.88 | 1.88 | -118.61 | -10.21 | -18.71 | 21.32 | 17.55 | 3.76 | 5.662 | | | | |
| 1,000.00 | 1,000.00 | 1,000.00 | 1,000.00 | 2.11 | 2.11 | -118.61 | -10.21 | -18.71 | 21.32 | 17.10 | 4.21 | 5.058 | | | | |
| 1,100.00 | 1,100.00 | 1,100.00 | 1,100.00 | 2.33 | 2.33 | -118.61 | -10.21 | -18.71 | 21.32 | 16.65 | 4.66 | 4.571 | | | | |
| 1,200.00 | 1,200.00 | 1,200.00 | 1,200.00 | 2.56 | 2.56 | -118.61 | -10.21 | -18.71 | 21.32 | 16.20 | 5.11 | 4.169 | | | | |
| 1,300.00 | 1,300.00 | 1,300.00 | 1,300.00 | 2.78 | 2.78 | -118.61 | -10.21 | -18.71 | 21.32 | 15.75 | 5.56 | 3.832 CC, ES | | | | |
| 1,400.00 | 1,399.98 | 1,399.98 | 1,399.98 | 3.00 | 3.01 | -156.85 | -10.21 | -18.71 | 22.91 | 16.91 | 6.01 | 3.815 SF | | | | |
| 1,500.00 | 1,499.84 | 1,499.84 | 1,499.84 | 3.23 | 3.23 | -161.06 | -10.21 | -18.71 | 27.80 | 21.36 | 6.44 | 4.317 | | | | |
| 1,600.00 | 1,599.45 | 1,599.96 | 1,599.94 | 3.45 | 3.46 | -162.97 | -8.51 | -19.13 | 35.44 | 28.58 | 6.87 | 5.162 | | | | |
| 1,700.00 | 1,698.70 | 1,700.01 | 1,699.85 | 3.69 | 3.68 | -161.33 | -3.42 | -20.36 | 45.08 | 37.79 | 7.29 | 6.185 | | | | |
| 1,800.00 | 1,797.61 | 1,799.97 | 1,799.42 | 3.95 | 3.91 | -157.80 | 5.04 | -22.41 | 55.96 | 48.22 | 7.74 | 7.232 | | | | |
| 1,900.00 | 1,896.51 | 1,899.68 | 1,898.41 | 4.22 | 4.14 | -152.75 | 16.66 | -25.22 | 66.27 | 58.06 | 8.22 | 8.067 | | | | |
| 2,000.00 | 1,995.40 | 1,998.98 | 1,996.90 | 4.51 | 4.39 | -148.52 | 28.98 | -28.20 | 76.84 | 68.12 | 8.71 | 8.819 | | | | |
| 2,100.00 | 2,094.30 | 2,098.28 | 2,095.39 | 4.80 | 4.65 | -145.32 | 41.29 | -31.18 | 87.71 | 78.49 | 9.23 | 9.506 | | | | |
| 2,200.00 | 2,193.19 | 2,197.59 | 2,193.88 | 5.10 | 4.91 | -142.84 | 53.60 | -34.16 | 98.80 | 89.04 | 9.76 | 10.127 | | | | |
| 2,300.00 | 2,292.09 | 2,296.89 | 2,292.37 | 5.41 | 5.18 | -140.86 | 65.92 | -37.14 | 110.03 | 99.74 | 10.30 | 10.685 | | | | |
| 2,400.00 | 2,390.98 | 2,396.19 | 2,390.86 | 5.72 | 5.46 | -139.24 | 78.23 | -40.13 | 121.37 | 110.52 | 10.85 | 11.186 | | | | |
| 2,500.00 | 2,489.88 | 2,495.49 | 2,489.35 | 6.04 | 5.74 | -137.91 | 90.55 | -43.11 | 132.79 | 121.38 | 11.41 | 11.637 | | | | |
| 2,600.00 | 2,588.77 | 2,594.79 | 2,587.84 | 6.36 | 6.02 | -136.78 | 102.86 | -46.09 | 144.27 | 132.29 | 11.98 | 12.043 | | | | |
| 2,700.00 | 2,687.67 | 2,694.10 | 2,686.33 | 6.68 | 6.31 | -135.82 | 115.18 | -49.07 | 155.80 | 143.24 | 12.56 | 12.409 | | | | |
| 2,800.00 | 2,786.56 | 2,793.40 | 2,784.82 | 7.01 | 6.60 | -134.99 | 127.49 | -52.05 | 167.36 | 154.22 | 13.14 | 12.740 | | | | |
| 2,900.00 | 2,885.46 | 2,892.70 | 2,883.31 | 7.34 | 6.90 | -134.27 | 139.81 | -55.03 | 178.95 | 165.23 | 13.72 | 13.041 | | | | |
| 3,000.00 | 2,984.36 | 2,992.00 | 2,981.81 | 7.67 | 7.19 | -133.64 | 152.12 | -58.01 | 190.57 | 176.26 | 14.31 | 13.314 | | | | |
| 3,100.00 | 3,083.25 | 3,091.31 | 3,080.30 | 8.00 | 7.49 | -133.08 | 164.44 | -60.99 | 202.21 | 187.30 | 14.91 | 13.564 | | | | |
| 3,200.00 | 3,182.15 | 3,190.61 | 3,178.79 | 8.34 | 7.79 | -132.58 | 176.75 | -63.98 | 213.86 | 198.36 | 15.50 | 13.793 | | | | |
| 3,300.00 | 3,281.04 | 3,289.91 | 3,277.28 | 8.67 | 8.09 | -132.14 | 189.07 | -66.96 | 225.53 | 209.43 | 16.11 | 14.003 | | | | |
| 3,400.00 | 3,379.94 | 3,389.21 | 3,375.77 | 9.01 | 8.40 | -131.73 | 201.38 | -69.94 | 237.21 | 220.50 | 16.71 | 14.197 | | | | |
| 3,500.00 | 3,478.83 | 3,488.51 | 3,474.26 | 9.35 | 8.70 | -131.37 | 213.70 | -72.92 | 248.91 | 231.59 | 17.31 | 14.376 | | | | |
| 3,600.00 | 3,577.73 | 3,587.82 | 3,572.75 | 9.69 | 9.01 | -131.04 | 226.01 | -75.90 | 260.61 | 242.68 | 17.92 | 14.541 | | | | |
| 3,700.00 | 3,676.62 | 3,687.12 | 3,671.24 | 10.03 | 9.31 | -130.73 | 238.33 | -78.88 | 272.31 | 253.78 | 18.53 | 14.694 | | | | |
| 3,800.00 | 3,775.52 | 3,786.42 | 3,769.73 | 10.37 | 9.62 | -130.45 | 250.64 | -81.86 | 284.03 | 264.89 | 19.14 | 14.837 | | | | |
| 3,900.00 | 3,874.41 | 3,885.72 | 3,868.22 | 10.72 | 9.93 | -130.20 | 262.95 | -84.84 | 295.75 | 276.00 | 19.76 | 14.970 | | | | |
| 4,000.00 | 3,973.31 | 3,985.03 | 3,966.71 | 11.06 | 10.24 | -129.96 | 275.27 | -87.83 | 307.48 | 287.11 | 20.37 | 15.094 | | | | |
| 4,100.00 | 4,072.20 | 4,084.33 | 4,065.20 | 11.40 | 10.55 | -129.74 | 287.58 | -90.81 | 319.21 | 298.22 | 20.99 | 15.210 | | | | |
| 4,200.00 | 4,171.10 | 4,183.63 | 4,163.69 | 11.75 | 10.86 | -129.54 | 299.90 | -93.79 | 330.95 | 309.34 | 21.60 | 15.319 | | | | |
| 4,300.00 | 4,269.99 | 4,282.93 | 4,262.18 | 12.09 | 11.17 | -129.35 | 312.21 | -96.77 | 342.69 | 320.47 | 22.22 | 15.422 | | | | |
| 4,400.00 | 4,368.89 | 4,382.24 | 4,360.67 | 12.44 | 11.48 | -129.17 | 324.53 | -99.75 | 354.43 | 331.59 | 22.84 | 15.518 | | | | |
| 4,500.00 | 4,467.78 | 4,481.54 | 4,459.16 | 12.78 | 11.80 | -129.00 | 336.84 | -102.73 | 366.18 | 342.72 | 23.46 | 15.609 | | | | |
| 4,600.00 | 4,566.68 | 4,580.84 | 4,557.66 | 13.13 | 12.11 | -128.85 | 349.16 | -105.71 | 377.93 | 353.85 | 24.08 | 15.694 | | | | |
| 4,700.00 | 4,665.57 | 4,680.14 | 4,656.15 | 13.48 | 12.42 | -128.70 | 361.47 | -108.69 | 389.68 | 364.98 | 24.70 | 15.775 | | | | |
| 4,800.00 | 4,764.47 | 4,779.44 | 4,754.64 | 13.82 | 12.74 | -128.56 | 373.79 | -111.68 | 401.43 | 376.11 | 25.32 | 15.851 | | | | |
| 4,900.00 | 4,863.36 | 4,878.75 | 4,853.13 | 14.17 | 13.05 | -128.43 | 386.10 | -114.66 | 413.19 | 387.24 | 25.95 | 15.924 | | | | |
| 5,000.00 | 4,962.26 | 4,978.05 | 4,951.62 | 14.52 | 13.37 | -128.31 | 398.42 | -117.64 | 424.95 | 398.38 | 26.57 | 15.993 | | | | |
| 5,100.00 | 5,061.15 | 5,077.35 | 5,050.11 | 14.87 | 13.68 | -128.19 | 410.73 | -120.62 | 436.71 | 409.51 | 27.20 | 16.058 | | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | | |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--|---------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | WELD_CAMP 5 PAD - CAMP 37N-26HZ - CAMP 37N-26HZ - CAMP 37N-26HZ (wp03) H&P 307 | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | | |
| 5,200.00 | 5,160.05 | 5,176.65 | 5,148.60 | 15.21 | 13.99 | -128.08 | 423.05 | -123.60 | 448.47 | 420.65 | 27.82 | 16.120 | | | | |
| 5,300.00 | 5,258.94 | 5,275.96 | 5,247.09 | 15.56 | 14.31 | -127.98 | 435.36 | -126.58 | 460.24 | 431.79 | 28.45 | 16.180 | | | | |
| 5,400.00 | 5,357.84 | 5,375.26 | 5,345.58 | 15.91 | 14.63 | -127.88 | 447.68 | -129.56 | 472.00 | 442.93 | 29.07 | 16.236 | | | | |
| 5,500.00 | 5,456.73 | 5,474.56 | 5,444.07 | 16.26 | 14.94 | -127.78 | 459.99 | -132.54 | 483.77 | 454.07 | 29.70 | 16.290 | | | | |
| 5,600.00 | 5,555.63 | 5,573.86 | 5,542.56 | 16.61 | 15.26 | -127.69 | 472.30 | -135.53 | 495.53 | 465.21 | 30.32 | 16.342 | | | | |
| 5,700.00 | 5,654.52 | 5,673.16 | 5,641.05 | 16.96 | 15.57 | -127.61 | 484.62 | -138.51 | 507.30 | 476.35 | 30.95 | 16.391 | | | | |
| 5,800.00 | 5,753.42 | 5,772.47 | 5,739.54 | 17.31 | 15.89 | -127.53 | 496.93 | -141.49 | 519.07 | 487.50 | 31.58 | 16.438 | | | | |
| 5,900.00 | 5,852.31 | 5,871.77 | 5,838.03 | 17.66 | 16.21 | -127.45 | 509.25 | -144.47 | 530.84 | 498.64 | 32.21 | 16.483 | | | | |
| 6,000.00 | 5,951.21 | 5,971.07 | 5,936.52 | 18.01 | 16.52 | -127.37 | 521.56 | -147.45 | 542.62 | 509.78 | 32.83 | 16.526 | | | | |
| 6,100.00 | 6,050.10 | 6,070.37 | 6,035.01 | 18.36 | 16.84 | -127.30 | 533.88 | -150.43 | 554.39 | 520.93 | 33.46 | 16.568 | | | | |
| 6,200.00 | 6,149.00 | 6,169.68 | 6,133.50 | 18.71 | 17.16 | -127.23 | 546.19 | -153.41 | 566.16 | 532.07 | 34.09 | 16.608 | | | | |
| 6,300.00 | 6,247.89 | 6,268.98 | 6,232.00 | 19.06 | 17.48 | -127.17 | 558.51 | -156.39 | 577.94 | 543.22 | 34.72 | 16.646 | | | | |
| 6,400.00 | 6,346.79 | 6,368.28 | 6,330.49 | 19.41 | 17.79 | -127.10 | 570.82 | -159.38 | 589.71 | 554.36 | 35.35 | 16.683 | | | | |
| 6,500.00 | 6,445.68 | 6,467.58 | 6,428.98 | 19.76 | 18.11 | -127.04 | 583.14 | -162.36 | 601.49 | 565.51 | 35.98 | 16.719 | | | | |
| 6,600.00 | 6,544.58 | 6,566.89 | 6,527.47 | 20.11 | 18.43 | -126.99 | 595.45 | -165.34 | 613.26 | 576.66 | 36.61 | 16.753 | | | | |
| 6,700.00 | 6,643.53 | 6,665.46 | 6,625.35 | 20.44 | 18.71 | -140.35 | 606.60 | -168.30 | 625.06 | 587.88 | 37.17 | 16.814 | | | | |
| 6,800.00 | 6,743.00 | 6,762.63 | 6,722.34 | 20.62 | 18.83 | 130.23 | 604.47 | -171.24 | 636.96 | 599.58 | 37.37 | 17.042 | | | | |
| 6,900.00 | 6,840.75 | 6,859.71 | 6,817.48 | 20.64 | 18.81 | 105.32 | 586.02 | -174.13 | 648.67 | 611.38 | 37.29 | 17.393 | | | | |
| 7,000.00 | 6,933.82 | 6,956.84 | 6,908.20 | 20.54 | 18.66 | 97.61 | 551.76 | -176.89 | 659.85 | 622.88 | 36.97 | 17.848 | | | | |
| 7,100.00 | 7,019.36 | 7,054.14 | 6,991.99 | 20.31 | 18.41 | 93.73 | 502.58 | -179.44 | 670.15 | 633.69 | 36.46 | 18.380 | | | | |
| 7,200.00 | 7,094.79 | 7,151.73 | 7,066.46 | 20.01 | 18.10 | 91.35 | 439.74 | -181.71 | 679.26 | 643.41 | 35.85 | 18.945 | | | | |
| 7,300.00 | 7,157.81 | 7,250.00 | 7,129.60 | 19.66 | 17.77 | 89.80 | 364.62 | -183.65 | 686.92 | 651.66 | 35.26 | 19.484 | | | | |
| 7,400.00 | 7,206.51 | 7,348.05 | 7,178.91 | 19.29 | 17.49 | 88.80 | 280.02 | -185.16 | 692.88 | 658.10 | 34.78 | 19.919 | | | | |
| 7,500.00 | 7,239.40 | 7,446.86 | 7,213.30 | 18.94 | 17.30 | 88.24 | 187.52 | -186.23 | 696.98 | 662.43 | 34.55 | 20.175 | | | | |
| 7,600.00 | 7,255.49 | 7,546.11 | 7,231.35 | 18.63 | 17.26 | 88.06 | 90.06 | -186.80 | 699.08 | 664.46 | 34.62 | 20.190 | | | | |
| 7,700.00 | 7,256.04 | 7,645.83 | 7,233.63 | 18.39 | 17.43 | 88.16 | -9.57 | -186.90 | 699.35 | 664.27 | 35.07 | 19.940 | | | | |
| 7,800.00 | 7,253.91 | 7,745.82 | 7,232.67 | 18.51 | 17.83 | 88.26 | -109.56 | -186.90 | 699.31 | 663.41 | 35.90 | 19.481 | | | | |
| 7,900.00 | 7,251.78 | 7,845.81 | 7,231.71 | 19.20 | 18.43 | 88.36 | -209.55 | -186.90 | 699.27 | 662.18 | 37.09 | 18.851 | | | | |
| 8,000.00 | 7,249.65 | 7,945.81 | 7,230.75 | 20.08 | 19.20 | 88.45 | -309.53 | -186.90 | 699.24 | 660.61 | 38.63 | 18.100 | | | | |
| 8,100.00 | 7,247.53 | 8,045.80 | 7,229.80 | 21.07 | 20.14 | 88.55 | -409.52 | -186.90 | 699.21 | 658.74 | 40.48 | 17.275 | | | | |
| 8,200.00 | 7,245.40 | 8,145.79 | 7,228.84 | 22.17 | 21.20 | 88.64 | -509.51 | -186.90 | 699.18 | 656.60 | 42.58 | 16.419 | | | | |
| 8,300.00 | 7,243.27 | 8,245.79 | 7,227.88 | 23.36 | 22.37 | 88.74 | -609.50 | -186.90 | 699.16 | 654.24 | 44.92 | 15.565 | | | | |
| 8,400.00 | 7,241.14 | 8,345.78 | 7,226.93 | 24.64 | 23.64 | 88.83 | -709.49 | -186.90 | 699.13 | 651.69 | 47.45 | 14.735 | | | | |
| 8,500.00 | 7,239.01 | 8,445.77 | 7,225.97 | 25.98 | 24.99 | 88.93 | -809.48 | -186.90 | 699.11 | 648.97 | 50.14 | 13.944 | | | | |
| 8,600.00 | 7,236.89 | 8,545.76 | 7,225.01 | 27.39 | 26.41 | 89.03 | -909.47 | -186.90 | 699.09 | 646.12 | 52.97 | 13.198 | | | | |
| 8,700.00 | 7,234.76 | 8,645.76 | 7,224.05 | 28.85 | 27.88 | 89.12 | -1,009.45 | -186.90 | 699.07 | 643.15 | 55.92 | 12.501 | | | | |
| 8,800.00 | 7,232.63 | 8,745.75 | 7,223.10 | 30.36 | 29.41 | 89.22 | -1,109.44 | -186.90 | 699.05 | 640.08 | 58.97 | 11.854 | | | | |
| 8,900.00 | 7,230.50 | 8,845.74 | 7,222.14 | 31.91 | 30.98 | 89.31 | -1,209.43 | -186.90 | 699.04 | 636.93 | 62.11 | 11.255 | | | | |
| 9,000.00 | 7,228.38 | 8,945.74 | 7,221.18 | 33.49 | 32.58 | 89.41 | -1,309.42 | -186.90 | 699.02 | 633.70 | 65.32 | 10.702 | | | | |
| 9,100.00 | 7,226.25 | 9,045.73 | 7,220.23 | 35.11 | 34.22 | 89.51 | -1,409.41 | -186.90 | 699.01 | 630.42 | 68.59 | 10.191 | | | | |
| 9,200.00 | 7,224.12 | 9,145.72 | 7,219.27 | 36.75 | 35.88 | 89.60 | -1,509.40 | -186.90 | 699.00 | 627.08 | 71.92 | 9.719 | | | | |
| 9,300.00 | 7,221.99 | 9,245.72 | 7,218.31 | 38.41 | 37.57 | 89.70 | -1,609.39 | -186.90 | 699.00 | 623.70 | 75.30 | 9.283 | | | | |
| 9,400.00 | 7,219.86 | 9,345.71 | 7,217.35 | 40.10 | 39.28 | 89.79 | -1,709.37 | -186.90 | 698.99 | 620.28 | 78.71 | 8.880 | | | | |
| 9,500.00 | 7,217.74 | 9,445.70 | 7,216.40 | 41.80 | 41.00 | 89.89 | -1,809.36 | -186.90 | 698.99 | 616.83 | 82.16 | 8.507 | | | | |
| 9,600.00 | 7,215.61 | 9,545.70 | 7,215.44 | 43.53 | 42.74 | 89.99 | -1,909.35 | -186.90 | 698.99 | 613.34 | 85.65 | 8.161 | | | | |
| 9,614.42 | 7,215.30 | 9,560.11 | 7,215.30 | 43.78 | 42.99 | 90.00 | -1,923.77 | -186.90 | 698.99 | 612.84 | 86.15 | 8.113 | | | | |
| 9,700.00 | 7,213.48 | 9,645.69 | 7,214.48 | 45.26 | 44.50 | 90.08 | -2,009.34 | -186.90 | 698.99 | 609.83 | 89.16 | 7.840 | | | | |
| 9,800.00 | 7,211.35 | 9,745.68 | 7,213.53 | 47.01 | 46.26 | 90.18 | -2,109.33 | -186.90 | 698.99 | 606.30 | 92.69 | 7.541 | | | | |
| 9,900.00 | 7,209.22 | 9,845.68 | 7,212.57 | 48.77 | 48.04 | 90.27 | -2,209.32 | -186.90 | 698.99 | 602.75 | 96.25 | 7.262 | | | | |
| 10,000.00 | 7,207.10 | 9,945.67 | 7,211.61 | 50.54 | 49.83 | 90.37 | -2,309.31 | -186.90 | 699.00 | 599.17 | 99.83 | 7.002 | | | | |
| 10,100.00 | 7,204.97 | 10,045.66 | 7,210.65 | 52.32 | 51.63 | 90.47 | -2,409.29 | -186.90 | 699.01 | 595.59 | 103.42 | 6.759 | | | | |
| 10,200.00 | 7,202.84 | 10,145.66 | 7,209.70 | 54.11 | 53.43 | 90.56 | -2,509.28 | -186.90 | 699.02 | 591.99 | 107.03 | 6.531 | | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 ft | | |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|--|-------------------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | WELD_CAMP 5 PAD - CAMP 37N-26HZ - CAMP 37N-26HZ - CAMP 37N-26HZ (wp03) H&P 307 | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | Warning | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | | Separation Factor | | |
| 10,300.00 | 7,200.71 | 10,245.65 | 7,208.74 | 55.91 | 55.24 | 90.66 | -2,609.27 | -186.90 | 699.03 | 588.38 | 110.65 | 6.317 | | | |
| 10,400.00 | 7,198.59 | 10,345.64 | 7,207.78 | 57.72 | 57.06 | 90.75 | -2,709.26 | -186.90 | 699.05 | 584.76 | 114.29 | 6.116 | | | |
| 10,500.00 | 7,196.46 | 10,445.63 | 7,206.83 | 59.53 | 58.88 | 90.85 | -2,809.25 | -186.90 | 699.06 | 581.13 | 117.94 | 5.927 | | | |
| 10,600.00 | 7,194.33 | 10,545.63 | 7,205.87 | 61.34 | 60.71 | 90.95 | -2,909.24 | -186.90 | 699.08 | 577.49 | 121.60 | 5.749 | | | |
| 10,700.00 | 7,192.20 | 10,645.62 | 7,204.91 | 63.17 | 62.55 | 91.04 | -3,009.23 | -186.90 | 699.10 | 573.84 | 125.26 | 5.581 | | | |
| 10,800.00 | 7,190.07 | 10,745.61 | 7,203.96 | 64.99 | 64.39 | 91.14 | -3,109.21 | -186.90 | 699.12 | 570.19 | 128.94 | 5.422 | | | |
| 10,900.00 | 7,187.95 | 10,845.61 | 7,203.00 | 66.83 | 66.23 | 91.23 | -3,209.20 | -186.90 | 699.15 | 566.53 | 132.62 | 5.272 | | | |
| 11,000.00 | 7,185.82 | 10,945.60 | 7,202.04 | 68.66 | 68.08 | 91.33 | -3,309.19 | -186.90 | 699.18 | 562.86 | 136.31 | 5.129 | | | |
| 11,100.00 | 7,183.69 | 11,045.59 | 7,201.08 | 70.50 | 69.93 | 91.43 | -3,409.18 | -186.90 | 699.20 | 559.20 | 140.01 | 4.994 | | | |
| 11,200.00 | 7,181.56 | 11,145.59 | 7,200.13 | 72.35 | 71.78 | 91.52 | -3,509.17 | -186.90 | 699.23 | 555.52 | 143.71 | 4.866 | | | |
| 11,300.00 | 7,179.44 | 11,245.58 | 7,199.17 | 74.19 | 73.64 | 91.62 | -3,609.16 | -186.90 | 699.27 | 551.85 | 147.42 | 4.743 | | | |
| 11,400.00 | 7,177.31 | 11,345.57 | 7,198.21 | 76.04 | 75.49 | 91.71 | -3,709.15 | -186.90 | 699.30 | 548.17 | 151.13 | 4.627 | | | |
| 11,500.00 | 7,175.18 | 11,445.57 | 7,197.26 | 77.90 | 77.36 | 91.81 | -3,809.13 | -186.90 | 699.34 | 544.49 | 154.85 | 4.516 | | | |
| 11,600.00 | 7,173.05 | 11,545.56 | 7,196.30 | 79.75 | 79.22 | 91.90 | -3,909.12 | -186.90 | 699.37 | 540.80 | 158.57 | 4.411 | | | |
| 11,700.00 | 7,170.92 | 11,645.55 | 7,195.34 | 81.61 | 81.09 | 92.00 | -4,009.11 | -186.90 | 699.41 | 537.12 | 162.29 | 4.310 | | | |
| 11,800.00 | 7,168.80 | 11,745.55 | 7,194.38 | 83.47 | 82.95 | 92.10 | -4,109.10 | -186.90 | 699.46 | 533.43 | 166.02 | 4.213 | | | |
| 11,837.41 | 7,168.00 | 11,782.96 | 7,194.03 | 84.17 | 83.65 | 92.13 | -4,146.51 | -186.90 | 699.47 | 532.05 | 167.42 | 4.178 | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | | |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--|---------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | WELD_CAMP 5 PAD - CAMP 38C-26HZ - CAMP 38C-26HZ - CAMP 38C-26HZ (wp03) H&P 307 | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 118.57 | -10.19 | 18.71 | 21.31 | | | | | | | |
| 100.00 | 100.00 | 100.00 | 100.00 | 0.08 | 0.08 | 118.57 | -10.19 | 18.71 | 21.31 | 21.14 | 0.17 | 126.413 | | | | |
| 200.00 | 200.00 | 200.00 | 200.00 | 0.31 | 0.31 | 118.57 | -10.19 | 18.71 | 21.31 | 20.69 | 0.62 | 34.476 | | | | |
| 300.00 | 300.00 | 300.00 | 300.00 | 0.53 | 0.53 | 118.57 | -10.19 | 18.71 | 21.31 | 20.24 | 1.07 | 19.960 | | | | |
| 400.00 | 400.00 | 400.00 | 400.00 | 0.76 | 0.76 | 118.57 | -10.19 | 18.71 | 21.31 | 19.79 | 1.52 | 14.046 | | | | |
| 500.00 | 500.00 | 500.00 | 500.00 | 0.98 | 0.98 | 118.57 | -10.19 | 18.71 | 21.31 | 19.34 | 1.97 | 10.835 | | | | |
| 600.00 | 600.00 | 600.00 | 600.00 | 1.21 | 1.21 | 118.57 | -10.19 | 18.71 | 21.31 | 18.89 | 2.42 | 8.819 | | | | |
| 700.00 | 700.00 | 700.00 | 700.00 | 1.43 | 1.43 | 118.57 | -10.19 | 18.71 | 21.31 | 18.44 | 2.87 | 7.436 | | | | |
| 800.00 | 800.00 | 800.00 | 800.00 | 1.66 | 1.66 | 118.57 | -10.19 | 18.71 | 21.31 | 17.99 | 3.32 | 6.428 | | | | |
| 900.00 | 900.00 | 900.00 | 900.00 | 1.88 | 1.88 | 118.57 | -10.19 | 18.71 | 21.31 | 17.55 | 3.76 | 5.660 | | | | |
| 1,000.00 | 1,000.00 | 1,000.00 | 1,000.00 | 2.11 | 2.11 | 118.57 | -10.19 | 18.71 | 21.31 | 17.10 | 4.21 | 5.057 | | | | |
| 1,100.00 | 1,100.00 | 1,100.00 | 1,100.00 | 2.33 | 2.33 | 118.57 | -10.19 | 18.71 | 21.31 | 16.65 | 4.66 | 4.569 | CC, ES | | | |
| 1,200.00 | 1,200.00 | 1,199.77 | 1,199.75 | 2.56 | 2.55 | 114.15 | -8.92 | 19.90 | 21.81 | 16.70 | 5.11 | 4.269 | | | | |
| 1,300.00 | 1,300.00 | 1,299.31 | 1,299.15 | 2.78 | 2.77 | 102.33 | -5.12 | 23.44 | 24.01 | 18.46 | 5.55 | 4.327 | | | | |
| 1,400.00 | 1,399.98 | 1,398.52 | 1,397.98 | 3.00 | 3.00 | 53.97 | 1.17 | 29.31 | 28.35 | 22.36 | 5.99 | 4.733 | | | | |
| 1,500.00 | 1,499.84 | 1,497.49 | 1,496.22 | 3.23 | 3.24 | 45.96 | 9.94 | 37.49 | 33.82 | 27.40 | 6.43 | 5.263 | | | | |
| 1,600.00 | 1,599.45 | 1,596.23 | 1,593.75 | 3.45 | 3.50 | 40.74 | 21.16 | 47.95 | 39.98 | 33.11 | 6.87 | 5.822 | | | | |
| 1,700.00 | 1,698.70 | 1,694.72 | 1,690.46 | 3.69 | 3.80 | 37.35 | 34.79 | 60.66 | 46.55 | 39.24 | 7.31 | 6.364 | | | | |
| 1,800.00 | 1,797.61 | 1,792.90 | 1,786.17 | 3.95 | 4.14 | 34.67 | 50.79 | 75.59 | 54.18 | 46.39 | 7.79 | 6.958 | | | | |
| 1,900.00 | 1,896.51 | 1,890.46 | 1,880.47 | 4.22 | 4.52 | 31.42 | 69.06 | 92.62 | 64.86 | 56.59 | 8.27 | 7.844 | | | | |
| 2,000.00 | 1,995.40 | 1,987.17 | 1,973.06 | 4.51 | 4.95 | 28.18 | 89.47 | 111.65 | 78.82 | 70.07 | 8.75 | 9.003 | | | | |
| 2,100.00 | 2,094.30 | 2,085.45 | 2,066.54 | 4.80 | 5.44 | 25.45 | 111.67 | 132.35 | 94.92 | 85.67 | 9.25 | 10.262 | | | | |
| 2,200.00 | 2,193.19 | 2,184.06 | 2,160.32 | 5.10 | 5.95 | 23.50 | 133.95 | 153.13 | 111.20 | 101.45 | 9.75 | 11.402 | | | | |
| 2,300.00 | 2,292.09 | 2,282.66 | 2,254.10 | 5.41 | 6.49 | 22.05 | 156.23 | 173.91 | 127.58 | 117.31 | 10.26 | 12.431 | | | | |
| 2,400.00 | 2,390.98 | 2,381.27 | 2,347.87 | 5.72 | 7.03 | 20.93 | 178.52 | 194.69 | 144.01 | 133.24 | 10.78 | 13.362 | | | | |
| 2,500.00 | 2,489.88 | 2,479.87 | 2,441.65 | 6.04 | 7.59 | 20.04 | 200.80 | 215.47 | 160.49 | 149.19 | 11.30 | 14.206 | | | | |
| 2,600.00 | 2,588.77 | 2,578.48 | 2,535.43 | 6.36 | 8.15 | 19.32 | 223.09 | 236.25 | 177.00 | 165.18 | 11.82 | 14.973 | | | | |
| 2,700.00 | 2,687.67 | 2,677.08 | 2,629.21 | 6.68 | 8.73 | 18.72 | 245.37 | 257.03 | 193.53 | 181.18 | 12.35 | 15.672 | | | | |
| 2,800.00 | 2,786.56 | 2,775.69 | 2,722.99 | 7.01 | 9.30 | 18.21 | 267.66 | 277.81 | 210.08 | 197.20 | 12.88 | 16.312 | | | | |
| 2,900.00 | 2,885.46 | 2,874.29 | 2,816.77 | 7.34 | 9.89 | 17.78 | 289.94 | 298.60 | 226.64 | 213.23 | 13.41 | 16.899 | | | | |
| 3,000.00 | 2,984.36 | 2,972.90 | 2,910.55 | 7.67 | 10.47 | 17.41 | 312.23 | 319.38 | 243.22 | 229.27 | 13.95 | 17.438 | | | | |
| 3,100.00 | 3,083.25 | 3,071.51 | 3,004.33 | 8.00 | 11.07 | 17.08 | 334.51 | 340.16 | 259.80 | 245.31 | 14.48 | 17.936 | | | | |
| 3,200.00 | 3,182.15 | 3,170.11 | 3,098.11 | 8.34 | 11.66 | 16.79 | 356.80 | 360.94 | 276.39 | 261.36 | 15.02 | 18.396 | | | | |
| 3,300.00 | 3,281.04 | 3,268.72 | 3,191.89 | 8.67 | 12.25 | 16.54 | 379.08 | 381.72 | 292.98 | 277.42 | 15.57 | 18.823 | | | | |
| 3,400.00 | 3,379.94 | 3,367.32 | 3,285.67 | 9.01 | 12.85 | 16.31 | 401.37 | 402.50 | 309.58 | 293.48 | 16.11 | 19.220 | | | | |
| 3,500.00 | 3,478.83 | 3,465.93 | 3,379.45 | 9.35 | 13.45 | 16.11 | 423.65 | 423.28 | 326.19 | 309.54 | 16.65 | 19.589 | | | | |
| 3,600.00 | 3,577.73 | 3,564.53 | 3,473.23 | 9.69 | 14.05 | 15.92 | 445.94 | 444.06 | 342.80 | 325.60 | 17.20 | 19.934 | | | | |
| 3,700.00 | 3,676.62 | 3,663.14 | 3,567.01 | 10.03 | 14.66 | 15.76 | 468.22 | 464.84 | 359.41 | 341.67 | 17.74 | 20.256 | | | | |
| 3,800.00 | 3,775.52 | 3,761.74 | 3,660.79 | 10.37 | 15.26 | 15.61 | 490.51 | 485.62 | 376.02 | 357.73 | 18.29 | 20.559 | | | | |
| 3,900.00 | 3,874.41 | 3,866.98 | 3,760.99 | 10.72 | 15.86 | 15.47 | 514.00 | 507.53 | 392.28 | 373.43 | 18.85 | 20.815 | | | | |
| 4,000.00 | 3,973.31 | 3,981.94 | 3,871.57 | 11.06 | 16.39 | 15.41 | 536.99 | 528.97 | 405.27 | 385.88 | 19.40 | 20.895 | | | | |
| 4,100.00 | 4,072.20 | 4,097.93 | 3,984.32 | 11.40 | 16.85 | 15.46 | 556.88 | 547.52 | 414.30 | 394.37 | 19.93 | 20.784 | | | | |
| 4,200.00 | 4,171.10 | 4,214.56 | 4,098.71 | 11.75 | 17.26 | 15.61 | 573.50 | 563.01 | 419.34 | 398.87 | 20.46 | 20.493 | | | | |
| 4,300.00 | 4,269.99 | 4,331.46 | 4,214.19 | 12.09 | 17.60 | 15.86 | 586.72 | 575.35 | 420.35 | 399.37 | 20.98 | 20.034 | | | | |
| 4,400.00 | 4,368.89 | 4,448.24 | 4,330.20 | 12.44 | 17.89 | 16.21 | 596.49 | 584.45 | 417.35 | 395.86 | 21.49 | 19.419 | | | | |
| 4,500.00 | 4,467.78 | 4,564.51 | 4,446.14 | 12.78 | 18.12 | 16.69 | 602.76 | 590.30 | 410.36 | 388.37 | 21.99 | 18.659 | | | | |
| 4,600.00 | 4,566.68 | 4,679.89 | 4,561.45 | 13.13 | 18.29 | 17.30 | 605.58 | 592.93 | 399.43 | 376.95 | 22.49 | 17.764 | | | | |
| 4,700.00 | 4,665.57 | 4,784.01 | 4,665.57 | 13.48 | 18.41 | 17.99 | 605.77 | 593.10 | 385.51 | 362.54 | 22.96 | 16.787 | | | | |
| 4,800.00 | 4,764.47 | 4,882.91 | 4,764.47 | 13.82 | 18.52 | 18.69 | 605.77 | 593.10 | 371.42 | 347.97 | 23.45 | 15.836 | | | | |
| 4,900.00 | 4,863.36 | 4,981.80 | 4,863.36 | 14.17 | 18.64 | 19.45 | 605.77 | 593.10 | 357.39 | 333.44 | 23.96 | 14.919 | | | | |
| 5,000.00 | 4,962.26 | 5,080.70 | 4,962.26 | 14.52 | 18.76 | 20.27 | 605.77 | 593.10 | 343.43 | 318.96 | 24.47 | 14.036 | | | | |
| 5,100.00 | 5,061.15 | 5,179.59 | 5,061.15 | 14.87 | 18.88 | 21.17 | 605.77 | 593.10 | 329.55 | 304.55 | 24.99 | 13.185 | | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | | |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--|---------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | WELD_CAMP 5 PAD - CAMP 38C-26HZ - CAMP 38C-26HZ - CAMP 38C-26HZ (wp03) H&P 307 | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | | |
| 5,200.00 | 5,160.05 | 5,278.49 | 5,160.05 | 15.21 | 19.01 | 22.14 | 605.77 | 593.10 | 315.75 | 290.21 | 25.53 | 12.366 | | | | |
| 5,300.00 | 5,258.94 | 5,377.38 | 5,258.94 | 15.56 | 19.13 | 23.19 | 605.77 | 593.10 | 302.05 | 275.95 | 26.09 | 11.577 | | | | |
| 5,400.00 | 5,357.84 | 5,476.28 | 5,357.84 | 15.91 | 19.26 | 24.35 | 605.77 | 593.10 | 288.45 | 261.79 | 26.67 | 10.817 | | | | |
| 5,500.00 | 5,456.73 | 5,575.17 | 5,456.73 | 16.26 | 19.39 | 25.62 | 605.77 | 593.10 | 274.99 | 247.72 | 27.27 | 10.085 | | | | |
| 5,600.00 | 5,555.63 | 5,674.07 | 5,555.63 | 16.61 | 19.52 | 27.02 | 605.77 | 593.10 | 261.67 | 233.78 | 27.89 | 9.381 | | | | |
| 5,700.00 | 5,654.52 | 5,772.96 | 5,654.52 | 16.96 | 19.65 | 28.57 | 605.77 | 593.10 | 248.53 | 219.98 | 28.55 | 8.705 | | | | |
| 5,800.00 | 5,753.42 | 5,871.86 | 5,753.42 | 17.31 | 19.79 | 30.29 | 605.77 | 593.10 | 235.58 | 206.33 | 29.24 | 8.055 | | | | |
| 5,900.00 | 5,852.31 | 5,970.75 | 5,852.31 | 17.66 | 19.93 | 32.21 | 605.77 | 593.10 | 222.87 | 192.88 | 29.98 | 7.433 | | | | |
| 6,000.00 | 5,951.21 | 6,069.65 | 5,951.21 | 18.01 | 20.06 | 34.35 | 605.77 | 593.10 | 210.43 | 179.66 | 30.77 | 6.838 | | | | |
| 6,100.00 | 6,050.10 | 6,168.54 | 6,050.10 | 18.36 | 20.20 | 36.76 | 605.77 | 593.10 | 198.32 | 166.70 | 31.62 | 6.272 | | | | |
| 6,200.00 | 6,149.00 | 6,267.44 | 6,149.00 | 18.71 | 20.34 | 39.47 | 605.77 | 593.10 | 186.61 | 154.07 | 32.54 | 5.735 | | | | |
| 6,300.00 | 6,247.89 | 6,366.33 | 6,247.89 | 19.06 | 20.48 | 42.54 | 605.77 | 593.10 | 175.36 | 141.83 | 33.53 | 5.229 | | | | |
| 6,400.00 | 6,346.79 | 6,465.23 | 6,346.79 | 19.41 | 20.63 | 46.01 | 605.77 | 593.10 | 164.69 | 130.07 | 34.61 | 4.758 | | | | |
| 6,500.00 | 6,445.68 | 6,564.12 | 6,445.68 | 19.76 | 20.77 | 49.94 | 605.77 | 593.10 | 154.70 | 118.92 | 35.78 | 4.324 | | | | |
| 6,600.00 | 6,544.58 | 6,663.02 | 6,544.58 | 20.11 | 20.92 | 54.38 | 605.77 | 593.10 | 145.53 | 108.50 | 37.03 | 3.930 | | | | |
| 6,700.00 | 6,643.53 | 6,761.97 | 6,643.53 | 20.44 | 21.07 | 58.86 | 605.77 | 593.10 | 137.30 | 99.04 | 38.26 | 3.589 | | | | |
| 6,800.00 | 6,743.00 | 6,861.44 | 6,743.00 | 20.62 | 21.22 | -43.35 | 605.77 | 593.10 | 128.36 | 89.99 | 38.37 | 3.345 | | | | |
| 6,900.00 | 6,840.75 | 6,959.20 | 6,840.75 | 20.64 | 21.36 | -76.33 | 605.77 | 593.10 | 119.31 | 82.32 | 36.99 | 3.225 | | | | |
| 6,962.13 | 6,899.31 | 7,018.41 | 6,899.97 | 20.58 | 21.45 | -90.83 | 605.60 | 593.10 | 116.99 | 81.64 | 35.35 | 3.310 | | | | |
| 7,000.00 | 6,933.82 | 7,055.93 | 6,937.42 | 20.54 | 21.48 | -99.16 | 603.46 | 593.10 | 117.83 | 83.67 | 34.16 | 3.449 | | | | |
| 7,100.00 | 7,019.36 | 7,159.82 | 7,039.49 | 20.31 | 21.46 | -118.18 | 584.85 | 593.10 | 127.54 | 96.91 | 30.62 | 4.165 | | | | |
| 7,200.00 | 7,094.79 | 7,271.78 | 7,143.75 | 20.01 | 21.28 | -132.80 | 544.57 | 593.10 | 145.28 | 118.68 | 26.60 | 5.462 | | | | |
| 7,300.00 | 7,157.81 | 7,393.12 | 7,245.57 | 19.66 | 20.94 | -143.37 | 478.97 | 593.10 | 166.57 | 144.39 | 22.18 | 7.510 | | | | |
| 7,400.00 | 7,206.51 | 7,524.73 | 7,337.71 | 19.29 | 20.45 | -150.63 | 385.41 | 593.10 | 187.34 | 169.55 | 17.79 | 10.531 | | | | |
| 7,500.00 | 7,239.40 | 7,666.42 | 7,410.28 | 18.94 | 19.89 | -155.26 | 264.13 | 593.11 | 204.33 | 189.97 | 14.36 | 14.225 | | | | |
| 7,600.00 | 7,255.49 | 7,816.28 | 7,452.27 | 18.63 | 19.36 | -157.67 | 120.72 | 593.11 | 215.07 | 201.67 | 13.40 | 16.053 | | | | |
| 7,700.00 | 7,256.04 | 7,950.05 | 7,458.46 | 18.39 | 19.04 | -158.19 | -12.69 | 593.11 | 218.05 | 203.50 | 14.56 | 14.977 | | | | |
| 7,800.00 | 7,253.91 | 8,050.05 | 7,457.02 | 18.51 | 19.01 | -158.26 | -112.68 | 593.11 | 218.70 | 203.29 | 15.41 | 14.195 | | | | |
| 7,900.00 | 7,251.78 | 8,150.04 | 7,455.59 | 19.20 | 19.33 | -158.32 | -212.67 | 593.11 | 219.34 | 202.90 | 16.43 | 13.347 | | | | |
| 8,000.00 | 7,249.65 | 8,250.04 | 7,454.15 | 20.08 | 20.01 | -158.39 | -312.66 | 593.11 | 219.98 | 202.36 | 17.62 | 12.483 | | | | |
| 8,100.00 | 7,247.53 | 8,350.04 | 7,452.71 | 21.07 | 20.89 | -158.46 | -412.64 | 593.11 | 220.62 | 201.68 | 18.94 | 11.651 | | | | |
| 8,200.00 | 7,245.40 | 8,450.04 | 7,451.27 | 22.17 | 21.92 | -158.52 | -512.63 | 593.11 | 221.26 | 200.91 | 20.35 | 10.872 | | | | |
| 8,300.00 | 7,243.27 | 8,550.03 | 7,449.83 | 23.36 | 23.05 | -158.59 | -612.62 | 593.11 | 221.90 | 200.06 | 21.85 | 10.158 | | | | |
| 8,400.00 | 7,241.14 | 8,650.03 | 7,448.39 | 24.64 | 24.28 | -158.65 | -712.61 | 593.11 | 222.54 | 199.14 | 23.40 | 9.509 | | | | |
| 8,500.00 | 7,239.01 | 8,750.03 | 7,446.96 | 25.98 | 25.59 | -158.72 | -812.59 | 593.11 | 223.19 | 198.18 | 25.01 | 8.924 | | | | |
| 8,600.00 | 7,236.89 | 8,850.03 | 7,445.52 | 27.39 | 26.96 | -158.78 | -912.58 | 593.11 | 223.83 | 197.17 | 26.66 | 8.396 | | | | |
| 8,700.00 | 7,234.76 | 8,950.03 | 7,444.08 | 28.85 | 28.39 | -158.84 | -1,012.57 | 593.11 | 224.47 | 196.13 | 28.34 | 7.921 | | | | |
| 8,800.00 | 7,232.63 | 9,050.02 | 7,442.64 | 30.36 | 29.88 | -158.91 | -1,112.55 | 593.11 | 225.11 | 195.07 | 30.04 | 7.493 | | | | |
| 8,900.00 | 7,230.50 | 9,150.02 | 7,441.20 | 31.91 | 31.40 | -158.97 | -1,212.54 | 593.11 | 225.76 | 193.99 | 31.77 | 7.106 | | | | |
| 9,000.00 | 7,228.38 | 9,250.02 | 7,439.76 | 33.49 | 32.97 | -159.03 | -1,312.53 | 593.11 | 226.40 | 192.89 | 33.52 | 6.755 | | | | |
| 9,100.00 | 7,226.25 | 9,350.02 | 7,438.33 | 35.11 | 34.57 | -159.09 | -1,412.52 | 593.11 | 227.05 | 191.77 | 35.27 | 6.437 | | | | |
| 9,200.00 | 7,224.12 | 9,450.01 | 7,436.89 | 36.75 | 36.19 | -159.16 | -1,512.50 | 593.11 | 227.69 | 190.65 | 37.04 | 6.147 | | | | |
| 9,300.00 | 7,221.99 | 9,550.01 | 7,435.45 | 38.41 | 37.85 | -159.22 | -1,612.49 | 593.11 | 228.34 | 189.52 | 38.82 | 5.882 | | | | |
| 9,400.00 | 7,219.86 | 9,650.01 | 7,434.01 | 40.10 | 39.52 | -159.28 | -1,712.48 | 593.11 | 228.98 | 188.37 | 40.61 | 5.639 | | | | |
| 9,500.00 | 7,217.74 | 9,750.01 | 7,432.57 | 41.80 | 41.22 | -159.34 | -1,812.47 | 593.11 | 229.63 | 187.23 | 42.40 | 5.416 | | | | |
| 9,600.00 | 7,215.61 | 9,850.00 | 7,431.13 | 43.53 | 42.93 | -159.40 | -1,912.45 | 593.11 | 230.27 | 186.08 | 44.19 | 5.211 | | | | |
| 9,700.00 | 7,213.48 | 9,950.00 | 7,429.70 | 45.26 | 44.66 | -159.46 | -2,012.44 | 593.11 | 230.92 | 184.93 | 45.99 | 5.021 | | | | |
| 9,800.00 | 7,211.35 | 10,050.00 | 7,428.26 | 47.01 | 46.40 | -159.52 | -2,112.43 | 593.11 | 231.56 | 183.77 | 47.79 | 4.845 | | | | |
| 9,900.00 | 7,209.22 | 10,150.00 | 7,426.82 | 48.77 | 48.15 | -159.58 | -2,212.41 | 593.11 | 232.21 | 182.61 | 49.60 | 4.682 | | | | |
| 10,000.00 | 7,207.10 | 10,249.99 | 7,425.38 | 50.54 | 49.92 | -159.64 | -2,312.40 | 593.11 | 232.85 | 181.45 | 51.40 | 4.530 | | | | |
| 10,100.00 | 7,204.97 | 10,349.99 | 7,423.94 | 52.32 | 51.69 | -159.70 | -2,412.39 | 593.11 | 233.50 | 180.29 | 53.21 | 4.388 | | | | |
| 10,200.00 | 7,202.84 | 10,449.99 | 7,422.50 | 54.11 | 53.48 | -159.76 | -2,512.38 | 593.11 | 234.15 | 179.13 | 55.01 | 4.256 | | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|-----------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|--------------------|---------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | | | Offset | | | Semi Major Axis | | Distance | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 10,300.00 | 7,200.71 | 10,549.99 | 7,421.07 | 55.91 | 55.27 | -159.81 | -2,612.36 | 593.11 | 234.80 | 177.98 | 56.82 | 4.132 | | |
| 10,400.00 | 7,198.59 | 10,649.98 | 7,419.63 | 57.72 | 57.07 | -159.87 | -2,712.35 | 593.11 | 235.44 | 176.82 | 58.63 | 4.016 | | |
| 10,500.00 | 7,196.46 | 10,749.98 | 7,418.19 | 59.53 | 58.88 | -159.93 | -2,812.34 | 593.11 | 236.09 | 175.66 | 60.43 | 3.907 | | |
| 10,600.00 | 7,194.33 | 10,849.98 | 7,416.75 | 61.34 | 60.69 | -159.99 | -2,912.33 | 593.11 | 236.74 | 174.50 | 62.24 | 3.804 | | |
| 10,700.00 | 7,192.20 | 10,949.98 | 7,415.31 | 63.17 | 62.51 | -160.04 | -3,012.31 | 593.11 | 237.39 | 173.35 | 64.04 | 3.707 | | |
| 10,800.00 | 7,190.07 | 11,049.98 | 7,413.87 | 64.99 | 64.33 | -160.10 | -3,112.30 | 593.11 | 238.03 | 172.19 | 65.84 | 3.615 | | |
| 10,900.00 | 7,187.95 | 11,149.97 | 7,412.44 | 66.83 | 66.16 | -160.16 | -3,212.29 | 593.11 | 238.68 | 171.04 | 67.64 | 3.529 | | |
| 11,000.00 | 7,185.82 | 11,249.97 | 7,411.00 | 68.66 | 67.99 | -160.21 | -3,312.27 | 593.11 | 239.33 | 169.89 | 69.44 | 3.447 | | |
| 11,100.00 | 7,183.69 | 11,349.97 | 7,409.56 | 70.50 | 69.83 | -160.27 | -3,412.26 | 593.11 | 239.98 | 168.74 | 71.24 | 3.369 | | |
| 11,200.00 | 7,181.56 | 11,449.97 | 7,408.12 | 72.35 | 71.67 | -160.32 | -3,512.25 | 593.11 | 240.63 | 167.60 | 73.03 | 3.295 | | |
| 11,300.00 | 7,179.44 | 11,549.96 | 7,406.68 | 74.19 | 73.52 | -160.38 | -3,612.24 | 593.11 | 241.28 | 166.45 | 74.82 | 3.225 | | |
| 11,400.00 | 7,177.31 | 11,649.96 | 7,405.24 | 76.04 | 75.36 | -160.43 | -3,712.22 | 593.11 | 241.93 | 165.31 | 76.62 | 3.158 | | |
| 11,500.00 | 7,175.18 | 11,749.96 | 7,403.81 | 77.90 | 77.22 | -160.49 | -3,812.21 | 593.11 | 242.58 | 164.17 | 78.40 | 3.094 | | |
| 11,600.00 | 7,173.05 | 11,849.96 | 7,402.37 | 79.75 | 79.07 | -160.54 | -3,912.20 | 593.11 | 243.23 | 163.04 | 80.19 | 3.033 | | |
| 11,700.00 | 7,170.92 | 11,949.95 | 7,400.93 | 81.61 | 80.93 | -160.60 | -4,012.19 | 593.11 | 243.88 | 161.90 | 81.98 | 2.975 | | |
| 11,800.00 | 7,168.80 | 12,049.95 | 7,399.49 | 83.47 | 82.78 | -160.65 | -4,112.17 | 593.11 | 244.53 | 160.77 | 83.76 | 2.919 | | |
| 11,837.41 | 7,168.00 | 12,084.04 | 7,399.00 | 84.17 | 83.42 | -160.67 | -4,146.26 | 593.11 | 244.80 | 160.40 | 84.40 | 2.901 SF | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|--------------------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|-----------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|---------|
| Survey Program: 991-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | | | Offset | | | | Semi Major Axis | | Distance | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 178.35 | -3,886.55 | 111.75 | 3,888.17 | | | | | | |
| 100.00 | 100.00 | 91.15 | 91.15 | 0.08 | 0.12 | 178.35 | -3,886.56 | 111.69 | 3,888.17 | 3,887.96 | 0.21 | N/A | | | |
| 200.00 | 200.00 | 190.22 | 190.22 | 0.31 | 0.25 | 178.36 | -3,886.60 | 111.50 | 3,888.20 | 3,887.64 | 0.56 | 6,920.040 | | | |
| 300.00 | 300.00 | 289.29 | 289.29 | 0.53 | 0.38 | 178.36 | -3,886.67 | 111.17 | 3,888.26 | 3,887.34 | 0.92 | 4,234.587 | | | |
| 400.00 | 400.00 | 388.36 | 388.35 | 0.76 | 0.52 | 178.37 | -3,886.76 | 110.71 | 3,888.34 | 3,887.07 | 1.27 | 3,050.751 | | | |
| 500.00 | 500.00 | 487.42 | 487.42 | 0.98 | 0.65 | 178.38 | -3,886.88 | 110.11 | 3,888.45 | 3,886.82 | 1.63 | 2,384.252 | | | |
| 600.00 | 600.00 | 586.49 | 586.48 | 1.21 | 0.78 | 178.39 | -3,887.03 | 109.37 | 3,888.58 | 3,886.59 | 1.99 | 1,956.792 | | | |
| 700.00 | 700.00 | 685.55 | 685.54 | 1.43 | 0.91 | 178.40 | -3,887.21 | 108.50 | 3,888.73 | 3,886.39 | 2.34 | 1,659.333 | | | |
| 800.00 | 800.00 | 784.61 | 784.60 | 1.66 | 1.04 | 178.42 | -3,887.42 | 107.50 | 3,888.91 | 3,886.21 | 2.70 | 1,440.402 | | | |
| 900.00 | 900.00 | 883.67 | 883.65 | 1.88 | 1.17 | 178.43 | -3,887.65 | 106.36 | 3,889.11 | 3,886.05 | 3.06 | 1,272.532 | | | |
| 1,000.00 | 1,000.00 | 1,097.33 | 1,097.28 | 2.11 | 1.48 | 178.46 | -3,886.39 | 104.71 | 3,889.23 | 3,885.64 | 3.58 | 1,085.164 | | | |
| 1,100.00 | 1,100.00 | 1,399.42 | 1,398.66 | 2.33 | 1.75 | 178.27 | -3,872.14 | 117.13 | 3,886.03 | 3,881.94 | 4.08 | 952.105 | | | |
| 1,200.00 | 1,200.00 | 1,491.86 | 1,490.47 | 2.56 | 1.89 | 178.15 | -3,864.60 | 124.85 | 3,878.12 | 3,873.68 | 4.45 | 872.342 | | | |
| 1,300.00 | 1,300.00 | 1,589.50 | 1,587.23 | 2.78 | 2.06 | 177.99 | -3,856.94 | 135.42 | 3,870.59 | 3,865.75 | 4.84 | 799.864 | | | |
| 1,400.00 | 1,399.98 | 1,727.99 | 1,723.75 | 3.00 | 2.33 | 141.39 | -3,845.12 | 155.40 | 3,863.89 | 3,858.57 | 5.32 | 726.169 | | | |
| 1,500.00 | 1,499.84 | 1,805.00 | 1,799.27 | 3.23 | 2.50 | 141.28 | -3,837.93 | 168.65 | 3,859.33 | 3,853.62 | 5.71 | 675.640 | | | |
| 1,570.99 | 1,570.59 | 1,853.27 | 1,846.55 | 3.39 | 2.61 | 141.19 | -3,833.69 | 177.38 | 3,858.21 | 3,852.22 | 5.99 | 644.644 | | | |
| 1,600.00 | 1,599.45 | 1,866.35 | 1,859.38 | 3.45 | 2.64 | 141.17 | -3,832.67 | 179.74 | 3,858.38 | 3,852.30 | 6.08 | 634.511 | | | |
| 1,700.00 | 1,698.70 | 2,072.77 | 2,061.66 | 3.69 | 3.16 | 140.82 | -3,814.95 | 216.77 | 3,860.48 | 3,853.65 | 6.82 | 565.866 | | | |
| 1,800.00 | 1,797.61 | 2,185.91 | 2,172.22 | 3.95 | 3.47 | 140.65 | -3,803.05 | 237.63 | 3,862.19 | 3,854.82 | 7.37 | 524.028 | | | |
| 1,900.00 | 1,896.51 | 2,364.58 | 2,347.07 | 4.22 | 3.98 | 140.44 | -3,782.01 | 267.75 | 3,862.65 | 3,854.54 | 8.12 | 475.921 | | | |
| 2,000.00 | 1,995.40 | 2,464.13 | 2,444.41 | 4.51 | 4.27 | 140.32 | -3,769.30 | 284.32 | 3,862.18 | 3,853.52 | 8.66 | 446.121 | | | |
| 2,100.00 | 2,094.30 | 2,548.59 | 2,526.98 | 4.80 | 4.52 | 140.22 | -3,758.66 | 298.47 | 3,861.90 | 3,852.74 | 9.16 | 421.464 | | | |
| 2,102.39 | 2,096.67 | 2,550.28 | 2,528.64 | 4.81 | 4.53 | 140.22 | -3,758.45 | 298.75 | 3,861.90 | 3,852.72 | 9.18 | 420.778 | | | |
| 2,200.00 | 2,193.19 | 2,620.03 | 2,596.98 | 5.10 | 4.73 | 140.14 | -3,750.14 | 309.94 | 3,862.27 | 3,852.63 | 9.64 | 400.805 | | | |
| 2,300.00 | 2,292.09 | 2,708.00 | 2,683.31 | 5.41 | 4.99 | 140.06 | -3,739.91 | 323.43 | 3,862.94 | 3,852.78 | 10.16 | 380.216 | | | |
| 2,400.00 | 2,390.98 | 2,798.00 | 2,771.68 | 5.72 | 5.26 | 139.97 | -3,729.95 | 337.22 | 3,864.15 | 3,853.46 | 10.69 | 361.365 | | | |
| 2,500.00 | 2,489.88 | 2,916.03 | 2,887.52 | 6.04 | 5.61 | 139.85 | -3,716.72 | 355.61 | 3,865.26 | 3,853.95 | 11.31 | 341.687 | | | |
| 2,600.00 | 2,588.77 | 2,993.17 | 2,963.36 | 6.36 | 5.84 | 139.79 | -3,708.19 | 366.81 | 3,866.45 | 3,854.64 | 11.82 | 327.239 | | | |
| 2,700.00 | 2,687.67 | 3,094.63 | 3,063.13 | 6.68 | 6.14 | 139.70 | -3,697.13 | 381.62 | 3,867.83 | 3,855.44 | 12.39 | 312.143 | | | |
| 2,800.00 | 2,786.56 | 3,181.77 | 3,148.64 | 7.01 | 6.40 | 139.61 | -3,687.72 | 395.47 | 3,869.40 | 3,856.46 | 12.93 | 299.239 | | | |
| 2,900.00 | 2,885.46 | 3,284.20 | 3,249.28 | 7.34 | 6.70 | 139.51 | -3,677.02 | 411.24 | 3,871.31 | 3,857.79 | 13.52 | 286.401 | | | |
| 3,000.00 | 2,984.36 | 3,414.57 | 3,377.53 | 7.67 | 7.09 | 139.41 | -3,662.50 | 429.54 | 3,872.39 | 3,858.21 | 14.18 | 273.052 | | | |
| 3,100.00 | 3,083.25 | 3,491.85 | 3,453.89 | 8.00 | 7.31 | 139.39 | -3,654.04 | 437.94 | 3,873.54 | 3,858.85 | 14.69 | 263.725 | | | |
| 3,200.00 | 3,182.15 | 3,556.87 | 3,518.22 | 8.34 | 7.50 | 139.38 | -3,647.45 | 444.63 | 3,875.44 | 3,860.29 | 15.16 | 255.669 | | | |
| 3,300.00 | 3,281.04 | 3,622.17 | 3,582.96 | 8.67 | 7.68 | 139.37 | -3,641.54 | 450.80 | 3,878.35 | 3,862.72 | 15.63 | 248.149 | | | |
| 3,400.00 | 3,379.94 | 3,702.00 | 3,661.98 | 9.01 | 7.91 | 139.35 | -3,634.44 | 459.59 | 3,881.62 | 3,865.48 | 16.14 | 240.444 | | | |
| 3,500.00 | 3,478.83 | 3,788.44 | 3,747.50 | 9.35 | 8.16 | 139.31 | -3,627.09 | 469.78 | 3,885.30 | 3,868.63 | 16.68 | 232.952 | | | |
| 3,600.00 | 3,577.73 | 3,966.30 | 3,923.23 | 9.69 | 8.67 | 139.22 | -3,611.97 | 492.42 | 3,889.43 | 3,871.95 | 17.48 | 222.504 | | | |
| 3,700.00 | 3,676.62 | 4,099.24 | 4,054.02 | 10.03 | 9.07 | 139.11 | -3,597.49 | 511.35 | 3,890.75 | 3,872.59 | 18.17 | 214.172 | | | |
| 3,800.00 | 3,775.52 | 4,234.16 | 4,186.16 | 10.37 | 9.49 | 138.96 | -3,581.82 | 533.57 | 3,891.61 | 3,872.74 | 18.87 | 206.219 | | | |
| 3,900.00 | 3,874.41 | 4,346.80 | 4,296.23 | 10.72 | 9.84 | 138.82 | -3,567.94 | 553.01 | 3,891.82 | 3,872.30 | 19.51 | 199.432 | | | |
| 4,000.00 | 3,973.31 | 4,420.71 | 4,368.47 | 11.06 | 10.07 | 138.72 | -3,558.88 | 565.76 | 3,892.16 | 3,872.12 | 20.04 | 194.243 | | | |
| 4,100.00 | 4,072.20 | 4,485.24 | 4,431.91 | 11.40 | 10.27 | 138.67 | -3,551.72 | 575.16 | 3,893.43 | 3,872.91 | 20.53 | 189.659 | | | |
| 4,200.00 | 4,171.10 | 4,558.00 | 4,503.58 | 11.75 | 10.48 | 138.62 | -3,544.24 | 585.21 | 3,895.49 | 3,874.45 | 21.04 | 185.140 | | | |
| 4,300.00 | 4,269.99 | 4,634.21 | 4,578.58 | 12.09 | 10.71 | 138.55 | -3,536.85 | 596.52 | 3,898.20 | 3,876.63 | 21.57 | 180.755 | | | |
| 4,400.00 | 4,368.89 | 4,719.46 | 4,662.33 | 12.44 | 10.97 | 138.46 | -3,528.92 | 610.36 | 3,901.43 | 3,879.31 | 22.12 | 176.356 | | | |
| 4,500.00 | 4,467.78 | 4,802.60 | 4,744.03 | 12.78 | 11.22 | 138.37 | -3,521.49 | 623.84 | 3,905.04 | 3,882.37 | 22.67 | 172.238 | | | |
| 4,600.00 | 4,566.68 | 5,091.33 | 5,027.66 | 13.13 | 12.10 | 138.10 | -3,490.84 | 667.95 | 3,907.74 | 3,883.89 | 23.84 | 163.898 | | | |
| 4,700.00 | 4,665.57 | 5,215.25 | 5,149.25 | 13.48 | 12.48 | 138.02 | -3,473.75 | 684.61 | 3,906.24 | 3,881.72 | 24.51 | 159.349 | | | |
| 4,800.00 | 4,764.47 | 5,280.00 | 5,212.57 | 13.82 | 12.68 | 137.95 | -3,464.61 | 694.66 | 3,904.81 | 3,879.80 | 25.01 | 156.121 | | | |
| 4,883.40 | 4,846.95 | 5,335.28 | 5,266.62 | 14.11 | 12.85 | 137.89 | -3,457.23 | 703.58 | 3,904.30 | 3,878.87 | 25.43 | 153.507 | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|--------------------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|---------|
| Survey Program: 991-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | | | Offset | | Semi Major Axis | | | Distance | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | |
| 4,900.00 | 4,863.36 | 5,343.03 | 5,274.21 | 14.17 | 12.88 | 137.88 | -3,456.27 | 704.81 | 3,904.33 | 3,878.82 | 25.51 | 153.067 | | | |
| 5,000.00 | 4,962.26 | 5,401.08 | 5,331.16 | 14.52 | 13.05 | 137.82 | -3,449.54 | 713.80 | 3,905.22 | 3,879.23 | 25.99 | 150.284 | | | |
| 5,100.00 | 5,061.15 | 5,473.43 | 5,402.35 | 14.87 | 13.27 | 137.77 | -3,441.78 | 724.06 | 3,906.92 | 3,880.42 | 26.50 | 147.408 | | | |
| 5,200.00 | 5,160.05 | 5,545.90 | 5,473.92 | 15.21 | 13.49 | 137.73 | -3,434.63 | 733.02 | 3,909.33 | 3,882.32 | 27.02 | 144.700 | | | |
| 5,300.00 | 5,258.94 | 5,617.24 | 5,544.63 | 15.56 | 13.69 | 137.73 | -3,428.28 | 739.88 | 3,912.45 | 3,884.93 | 27.52 | 142.177 | | | |
| 5,400.00 | 5,357.84 | 5,683.00 | 5,609.96 | 15.91 | 13.87 | 137.74 | -3,423.03 | 745.27 | 3,916.34 | 3,888.35 | 28.00 | 139.876 | | | |
| 5,500.00 | 5,456.73 | 5,751.66 | 5,678.32 | 16.26 | 14.05 | 137.77 | -3,418.24 | 749.57 | 3,921.07 | 3,892.59 | 28.48 | 137.690 | | | |
| 5,600.00 | 5,555.63 | 5,815.69 | 5,742.19 | 16.61 | 14.21 | 137.82 | -3,414.52 | 751.87 | 3,926.68 | 3,897.75 | 28.93 | 135.727 | | | |
| 5,700.00 | 5,654.52 | 5,884.48 | 5,810.90 | 16.96 | 14.37 | 137.91 | -3,411.34 | 752.73 | 3,933.21 | 3,903.83 | 29.38 | 133.864 | | | |
| 5,800.00 | 5,753.42 | 5,972.06 | 5,898.42 | 17.31 | 14.55 | 138.02 | -3,407.75 | 753.02 | 3,940.23 | 3,910.37 | 29.86 | 131.953 | | | |
| 5,900.00 | 5,852.31 | 6,046.00 | 5,972.29 | 17.66 | 14.72 | 138.11 | -3,404.94 | 753.96 | 3,947.67 | 3,917.35 | 30.32 | 130.195 | | | |
| 6,000.00 | 5,951.21 | 6,113.95 | 6,040.17 | 18.01 | 14.89 | 138.18 | -3,402.74 | 755.94 | 3,955.85 | 3,925.06 | 30.79 | 128.496 | | | |
| 6,100.00 | 6,050.10 | 6,191.70 | 6,117.83 | 18.36 | 15.08 | 138.24 | -3,400.80 | 759.39 | 3,964.85 | 3,933.57 | 31.28 | 126.763 | | | |
| 6,200.00 | 6,149.00 | 6,265.51 | 6,191.53 | 18.71 | 15.26 | 138.29 | -3,399.23 | 763.01 | 3,974.31 | 3,942.55 | 31.76 | 125.143 | | | |
| 6,300.00 | 6,247.89 | 6,336.00 | 6,261.96 | 19.06 | 15.43 | 138.35 | -3,398.40 | 765.84 | 3,984.58 | 3,952.36 | 32.23 | 123.646 | | | |
| 6,400.00 | 6,346.79 | 6,432.39 | 6,358.31 | 19.41 | 15.66 | 138.44 | -3,397.60 | 768.72 | 3,995.16 | 3,962.41 | 32.75 | 122.001 | | | |
| 6,500.00 | 6,445.68 | 6,515.19 | 6,441.08 | 19.76 | 15.85 | 138.53 | -3,397.21 | 770.58 | 4,006.03 | 3,972.80 | 33.23 | 120.550 | | | |
| 6,600.00 | 6,544.58 | 6,599.54 | 6,525.41 | 20.11 | 16.03 | 138.63 | -3,397.16 | 772.24 | 4,017.30 | 3,983.59 | 33.71 | 119.184 | | | |
| 6,700.00 | 6,643.53 | 6,686.73 | 6,612.60 | 20.44 | 16.19 | 125.68 | -3,397.45 | 773.41 | 4,028.37 | 3,994.45 | 33.92 | 118.769 | | | |
| 6,800.00 | 6,743.00 | 6,800.86 | 6,726.72 | 20.62 | 16.39 | 37.65 | -3,397.74 | 774.06 | 4,026.77 | 3,993.06 | 33.71 | 119.452 | | | |
| 6,900.00 | 6,840.75 | 6,885.55 | 6,811.41 | 20.64 | 16.51 | 13.88 | -3,398.12 | 774.33 | 4,008.10 | 3,975.65 | 32.45 | 123.533 | | | |
| 7,000.00 | 6,933.82 | 6,988.16 | 6,914.01 | 20.54 | 16.65 | 7.04 | -3,398.40 | 774.76 | 3,972.58 | 3,942.31 | 30.26 | 131.272 | | | |
| 7,100.00 | 7,019.36 | 7,061.24 | 6,987.10 | 20.31 | 16.72 | 3.67 | -3,398.72 | 774.84 | 3,921.57 | 3,894.38 | 27.19 | 144.248 | | | |
| 7,200.00 | 7,094.79 | 7,123.53 | 7,049.39 | 20.01 | 16.75 | 1.31 | -3,399.22 | 774.81 | 3,856.74 | 3,833.32 | 23.42 | 164.681 | | | |
| 7,300.00 | 7,157.81 | 7,191.02 | 7,116.87 | 19.66 | 16.80 | -0.99 | -3,399.86 | 774.90 | 3,779.88 | 3,760.54 | 19.34 | 195.449 | | | |
| 7,400.00 | 7,206.51 | 7,243.63 | 7,169.48 | 19.29 | 16.86 | -4.23 | -3,400.27 | 775.24 | 3,693.09 | 3,677.47 | 15.62 | 236.457 | | | |
| 7,500.00 | 7,239.40 | 7,276.40 | 7,202.25 | 18.94 | 16.90 | -11.01 | -3,400.51 | 775.43 | 3,599.13 | 3,584.69 | 14.44 | 249.238 | | | |
| 7,600.00 | 7,255.49 | 7,292.86 | 7,218.71 | 18.63 | 16.92 | -38.92 | -3,400.64 | 775.51 | 3,500.87 | 3,475.97 | 24.90 | 140.616 | | | |
| 7,700.00 | 7,256.04 | 7,294.17 | 7,220.02 | 18.39 | 16.92 | -99.51 | -3,400.65 | 775.51 | 3,401.20 | 3,367.09 | 34.12 | 99.697 | | | |
| 7,800.00 | 7,253.91 | 7,292.86 | 7,218.71 | 18.51 | 16.92 | -99.24 | -3,400.64 | 775.51 | 3,301.52 | 3,267.09 | 34.43 | 95.891 | | | |
| 7,900.00 | 7,251.78 | 7,291.56 | 7,217.40 | 19.20 | 16.92 | -98.96 | -3,400.63 | 775.50 | 3,201.86 | 3,166.92 | 34.93 | 91.656 | | | |
| 8,000.00 | 7,249.65 | 7,290.25 | 7,216.09 | 20.08 | 16.91 | -98.68 | -3,400.62 | 775.50 | 3,102.22 | 3,066.61 | 35.61 | 87.119 | | | |
| 8,100.00 | 7,247.53 | 7,288.93 | 7,214.78 | 21.07 | 16.91 | -98.40 | -3,400.61 | 775.49 | 3,002.60 | 2,966.16 | 36.44 | 82.406 | | | |
| 8,200.00 | 7,245.40 | 7,287.62 | 7,213.47 | 22.17 | 16.91 | -98.12 | -3,400.60 | 775.48 | 2,903.00 | 2,865.61 | 37.40 | 77.628 | | | |
| 8,300.00 | 7,243.27 | 7,286.30 | 7,212.15 | 23.36 | 16.91 | -97.84 | -3,400.59 | 775.48 | 2,803.44 | 2,764.97 | 38.47 | 72.873 | | | |
| 8,400.00 | 7,241.14 | 7,284.98 | 7,210.83 | 24.64 | 16.91 | -97.56 | -3,400.58 | 775.47 | 2,703.91 | 2,664.27 | 39.64 | 68.210 | | | |
| 8,500.00 | 7,239.01 | 7,283.65 | 7,209.50 | 25.98 | 16.91 | -97.28 | -3,400.57 | 775.47 | 2,604.41 | 2,563.51 | 40.89 | 63.686 | | | |
| 8,600.00 | 7,236.89 | 7,282.33 | 7,208.18 | 27.39 | 16.90 | -96.99 | -3,400.56 | 775.46 | 2,504.95 | 2,462.73 | 42.22 | 59.335 | | | |
| 8,700.00 | 7,234.76 | 7,281.00 | 7,206.85 | 28.85 | 16.90 | -96.71 | -3,400.55 | 775.45 | 2,405.54 | 2,361.94 | 43.60 | 55.174 | | | |
| 8,800.00 | 7,232.63 | 7,279.67 | 7,205.51 | 30.36 | 16.90 | -96.42 | -3,400.54 | 775.45 | 2,306.17 | 2,261.14 | 45.03 | 51.212 | | | |
| 8,900.00 | 7,230.50 | 7,278.33 | 7,204.18 | 31.91 | 16.90 | -96.13 | -3,400.53 | 775.44 | 2,206.86 | 2,160.29 | 46.58 | 47.380 | | | |
| 9,000.00 | 7,228.38 | 7,276.99 | 7,202.84 | 33.49 | 16.90 | -95.85 | -3,400.52 | 775.43 | 2,107.62 | 2,059.41 | 48.21 | 43.715 | | | |
| 9,100.00 | 7,226.25 | 7,275.65 | 7,201.50 | 35.11 | 16.90 | -95.56 | -3,400.51 | 775.43 | 2,008.45 | 1,958.57 | 49.88 | 40.266 | | | |
| 9,200.00 | 7,224.12 | 7,274.31 | 7,200.16 | 36.75 | 16.89 | -95.27 | -3,400.50 | 775.42 | 1,909.37 | 1,857.79 | 51.57 | 37.023 | | | |
| 9,300.00 | 7,221.99 | 7,272.96 | 7,198.81 | 38.41 | 16.89 | -94.98 | -3,400.49 | 775.41 | 1,810.38 | 1,757.09 | 53.29 | 33.972 | | | |
| 9,400.00 | 7,219.86 | 7,271.61 | 7,197.46 | 40.10 | 16.89 | -94.69 | -3,400.48 | 775.41 | 1,711.52 | 1,656.49 | 55.03 | 31.102 | | | |
| 9,500.00 | 7,217.74 | 7,270.26 | 7,196.11 | 41.80 | 16.89 | -94.39 | -3,400.47 | 775.40 | 1,612.79 | 1,556.00 | 56.78 | 28.402 | | | |
| 9,600.00 | 7,215.61 | 7,268.90 | 7,194.75 | 43.53 | 16.89 | -94.10 | -3,400.46 | 775.39 | 1,514.23 | 1,455.67 | 58.56 | 25.859 | | | |
| 9,700.00 | 7,213.48 | 7,267.54 | 7,193.39 | 45.26 | 16.89 | -93.81 | -3,400.45 | 775.38 | 1,415.86 | 1,355.52 | 60.34 | 23.464 | | | |
| 9,800.00 | 7,211.35 | 7,266.18 | 7,192.03 | 47.01 | 16.88 | -93.51 | -3,400.43 | 775.38 | 1,317.75 | 1,255.61 | 62.14 | 21.206 | | | |
| 9,900.00 | 7,209.22 | 7,264.82 | 7,190.67 | 48.77 | 16.88 | -93.22 | -3,400.42 | 775.37 | 1,219.94 | 1,155.99 | 63.95 | 19.077 | | | |
| 10,000.00 | 7,207.10 | 7,263.45 | 7,189.30 | 50.54 | 16.88 | -92.92 | -3,400.41 | 775.36 | 1,122.51 | 1,056.74 | 65.76 | 17.069 | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|--------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|---------|
| Survey Program: 991-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | |
| 10,100.00 | 7,204.97 | 7,262.08 | 7,187.93 | 52.32 | 16.88 | -92.62 | -3,400.40 | 775.35 | 1,025.57 | 957.98 | 67.59 | 15.173 | | | |
| 10,200.00 | 7,202.84 | 7,260.71 | 7,186.56 | 54.11 | 16.88 | -92.32 | -3,400.39 | 775.35 | 929.28 | 859.86 | 69.42 | 13.386 | | | |
| 10,300.00 | 7,200.71 | 7,259.33 | 7,185.18 | 55.91 | 16.88 | -92.02 | -3,400.38 | 775.34 | 833.87 | 762.61 | 71.26 | 11.702 | | | |
| 10,400.00 | 7,198.59 | 7,257.95 | 7,183.80 | 57.72 | 16.87 | -91.72 | -3,400.37 | 775.33 | 739.66 | 666.56 | 73.11 | 10.118 | | | |
| 10,500.00 | 7,196.46 | 7,256.57 | 7,182.42 | 59.53 | 16.87 | -91.42 | -3,400.36 | 775.32 | 647.19 | 572.24 | 74.95 | 8.634 | | | |
| 10,600.00 | 7,194.33 | 7,255.18 | 7,181.03 | 61.34 | 16.87 | -91.12 | -3,400.35 | 775.31 | 557.33 | 480.52 | 76.81 | 7.256 | | | |
| 10,700.00 | 7,192.20 | 7,253.80 | 7,179.64 | 63.17 | 16.87 | -90.82 | -3,400.34 | 775.30 | 471.56 | 392.90 | 78.66 | 5.995 | | | |
| 10,800.00 | 7,190.07 | 7,252.40 | 7,178.25 | 64.99 | 16.87 | -90.52 | -3,400.33 | 775.30 | 392.58 | 312.06 | 80.52 | 4.875 | | | |
| 10,900.00 | 7,187.95 | 7,251.01 | 7,176.86 | 66.83 | 16.87 | -90.21 | -3,400.32 | 775.29 | 325.37 | 242.98 | 82.38 | 3.949 | | | |
| 11,000.00 | 7,185.82 | 7,249.61 | 7,175.46 | 68.66 | 16.86 | -89.91 | -3,400.31 | 775.28 | 278.58 | 194.33 | 84.25 | 3.307 | | | |
| 11,091.28 | 7,183.88 | 7,248.33 | 7,174.18 | 70.34 | 16.86 | -89.63 | -3,400.30 | 775.27 | 263.19 | 177.23 | 85.95 | 3.062 CC | | | |
| 11,100.00 | 7,183.69 | 7,248.21 | 7,174.06 | 70.50 | 16.86 | -89.60 | -3,400.30 | 775.27 | 263.33 | 177.22 | 86.11 | 3.058 ES, SF | | | |
| 11,200.00 | 7,181.56 | 7,246.81 | 7,172.66 | 72.35 | 16.86 | -89.30 | -3,400.29 | 775.26 | 284.74 | 196.76 | 87.98 | 3.236 | | | |
| 11,300.00 | 7,179.44 | 7,245.40 | 7,171.25 | 74.19 | 16.86 | -88.99 | -3,400.28 | 775.25 | 335.86 | 246.02 | 89.85 | 3.738 | | | |
| 11,400.00 | 7,177.31 | 7,243.99 | 7,169.84 | 76.04 | 16.86 | -88.69 | -3,400.27 | 775.24 | 405.62 | 313.91 | 91.71 | 4.423 | | | |
| 11,500.00 | 7,175.18 | 7,242.58 | 7,168.43 | 77.90 | 16.86 | -88.38 | -3,400.26 | 775.23 | 486.06 | 392.48 | 93.58 | 5.194 | | | |
| 11,600.00 | 7,173.05 | 7,241.16 | 7,167.01 | 79.75 | 16.85 | -88.07 | -3,400.25 | 775.22 | 572.69 | 477.24 | 95.45 | 6.000 | | | |
| 11,700.00 | 7,170.92 | 7,239.74 | 7,165.59 | 81.61 | 16.85 | -87.76 | -3,400.24 | 775.21 | 663.09 | 565.78 | 97.31 | 6.814 | | | |
| 11,800.00 | 7,168.80 | 7,238.32 | 7,164.17 | 83.47 | 16.85 | -87.45 | -3,400.23 | 775.20 | 755.91 | 656.73 | 99.18 | 7.622 | | | |
| 11,837.41 | 7,168.00 | 7,237.79 | 7,163.64 | 84.17 | 16.85 | -87.34 | -3,400.22 | 775.20 | 791.08 | 691.21 | 99.87 | 7.921 | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|--------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -138.61 | -1,529.24 | -1,347.55 | 2,038.48 | | | | | | |
| 100.00 | 100.00 | 62.08 | 62.08 | 0.08 | 0.08 | -138.61 | -1,529.29 | -1,347.65 | 2,038.36 | 2,038.20 | 0.17 | N/A | | | |
| 200.00 | 200.00 | 163.67 | 163.67 | 0.31 | 0.29 | -138.61 | -1,529.46 | -1,348.10 | 2,038.79 | 2,038.19 | 0.60 | 3,409.181 | | | |
| 300.00 | 300.00 | 264.23 | 264.22 | 0.53 | 0.50 | -138.60 | -1,529.47 | -1,348.35 | 2,038.96 | 2,037.92 | 1.03 | 1,971.752 | | | |
| 400.00 | 400.00 | 365.50 | 365.50 | 0.76 | 0.71 | -138.61 | -1,529.81 | -1,348.35 | 2,039.21 | 2,037.74 | 1.47 | 1,389.797 | | | |
| 500.00 | 500.00 | 475.23 | 475.22 | 0.98 | 0.89 | -138.61 | -1,529.83 | -1,348.27 | 2,039.18 | 2,037.31 | 1.87 | 1,088.990 | | | |
| 600.00 | 600.00 | 576.67 | 576.67 | 1.21 | 0.99 | -138.62 | -1,529.68 | -1,347.84 | 2,038.79 | 2,036.58 | 2.20 | 926.601 | | | |
| 697.58 | 697.58 | 666.58 | 666.58 | 1.43 | 1.13 | -138.62 | -1,529.73 | -1,347.47 | 2,038.57 | 2,036.01 | 2.56 | 796.684 | | | |
| 700.00 | 700.00 | 668.77 | 668.76 | 1.43 | 1.14 | -138.62 | -1,529.74 | -1,347.47 | 2,038.57 | 2,036.00 | 2.57 | 793.788 | | | |
| 800.00 | 800.00 | 763.23 | 763.22 | 1.66 | 1.34 | -138.63 | -1,530.06 | -1,347.36 | 2,038.75 | 2,035.76 | 2.99 | 680.872 | | | |
| 900.00 | 900.00 | 861.76 | 861.75 | 1.88 | 1.57 | -138.64 | -1,530.51 | -1,347.35 | 2,039.09 | 2,035.63 | 3.45 | 590.511 | | | |
| 1,000.00 | 1,000.00 | 959.96 | 959.95 | 2.11 | 1.80 | -138.65 | -1,531.01 | -1,347.36 | 2,039.47 | 2,035.57 | 3.90 | 522.605 | | | |
| 1,100.00 | 1,100.00 | 1,059.42 | 1,059.41 | 2.33 | 2.02 | -138.65 | -1,531.30 | -1,347.75 | 2,039.95 | 2,035.60 | 4.35 | 469.001 | | | |
| 1,200.00 | 1,200.00 | 1,156.89 | 1,156.88 | 2.56 | 2.25 | -138.65 | -1,531.71 | -1,348.01 | 2,040.45 | 2,035.65 | 4.80 | 424.799 | | | |
| 1,300.00 | 1,300.00 | 1,257.06 | 1,257.05 | 2.78 | 2.49 | -138.65 | -1,532.15 | -1,348.49 | 2,041.09 | 2,035.83 | 5.27 | 387.427 | | | |
| 1,400.00 | 1,399.98 | 1,355.43 | 1,355.42 | 3.00 | 2.73 | -175.05 | -1,532.54 | -1,348.89 | 2,043.40 | 2,037.66 | 5.74 | 356.295 | | | |
| 1,500.00 | 1,499.84 | 1,450.11 | 1,450.10 | 3.23 | 2.96 | -175.05 | -1,533.14 | -1,349.36 | 2,049.41 | 2,043.22 | 6.19 | 331.050 | | | |
| 1,600.00 | 1,599.45 | 1,547.44 | 1,547.41 | 3.45 | 3.21 | -175.06 | -1,533.80 | -1,350.07 | 2,059.08 | 2,052.44 | 6.65 | 309.763 | | | |
| 1,700.00 | 1,698.70 | 1,646.83 | 1,646.80 | 3.69 | 3.45 | -175.06 | -1,534.44 | -1,350.87 | 2,072.23 | 2,065.13 | 7.10 | 291.799 | | | |
| 1,800.00 | 1,797.61 | 1,749.30 | 1,749.27 | 3.95 | 3.70 | -175.08 | -1,535.01 | -1,351.72 | 2,087.84 | 2,080.27 | 7.57 | 275.858 | | | |
| 1,900.00 | 1,896.51 | 1,852.81 | 1,852.78 | 4.22 | 3.94 | -175.10 | -1,535.25 | -1,352.52 | 2,103.28 | 2,095.25 | 8.03 | 261.961 | | | |
| 2,000.00 | 1,995.40 | 1,954.69 | 1,954.65 | 4.51 | 4.15 | -175.12 | -1,535.19 | -1,353.43 | 2,118.59 | 2,110.13 | 8.46 | 250.288 | | | |
| 2,100.00 | 2,094.30 | 2,060.89 | 2,060.85 | 4.80 | 4.33 | -175.13 | -1,534.81 | -1,354.38 | 2,133.68 | 2,124.80 | 8.88 | 240.262 | | | |
| 2,200.00 | 2,193.19 | 2,159.67 | 2,159.62 | 5.10 | 4.49 | -175.13 | -1,534.17 | -1,355.16 | 2,148.49 | 2,139.22 | 9.27 | 231.704 | | | |
| 2,300.00 | 2,292.09 | 2,252.85 | 2,252.79 | 5.41 | 4.66 | -175.14 | -1,533.66 | -1,356.10 | 2,163.51 | 2,153.84 | 9.67 | 223.638 | | | |
| 2,400.00 | 2,390.98 | 2,351.29 | 2,351.22 | 5.72 | 4.86 | -175.14 | -1,533.21 | -1,357.29 | 2,178.73 | 2,168.63 | 10.10 | 215.648 | | | |
| 2,500.00 | 2,489.88 | 2,442.55 | 2,442.47 | 6.04 | 5.05 | -175.14 | -1,532.71 | -1,358.45 | 2,193.94 | 2,183.41 | 10.53 | 208.300 | | | |
| 2,600.00 | 2,588.77 | 2,524.28 | 2,524.20 | 6.36 | 5.24 | -175.15 | -1,533.06 | -1,359.51 | 2,209.86 | 2,198.90 | 10.96 | 201.680 | | | |
| 2,700.00 | 2,687.67 | 2,610.02 | 2,609.92 | 6.68 | 5.45 | -175.19 | -1,534.49 | -1,360.22 | 2,226.41 | 2,215.02 | 11.40 | 195.319 | | | |
| 2,800.00 | 2,786.56 | 2,700.00 | 2,699.86 | 7.01 | 5.64 | -175.26 | -1,537.21 | -1,360.49 | 2,243.62 | 2,231.78 | 11.83 | 189.602 | | | |
| 2,900.00 | 2,885.46 | 2,773.26 | 2,773.05 | 7.34 | 5.80 | -175.33 | -1,540.30 | -1,360.53 | 2,261.53 | 2,249.30 | 12.23 | 184.961 | | | |
| 3,000.00 | 2,984.36 | 2,872.27 | 2,871.95 | 7.67 | 6.02 | -175.44 | -1,545.08 | -1,360.65 | 2,279.98 | 2,267.30 | 12.68 | 179.800 | | | |
| 3,100.00 | 3,083.25 | 2,979.13 | 2,978.73 | 8.00 | 6.26 | -175.54 | -1,549.40 | -1,361.17 | 2,298.09 | 2,284.93 | 13.16 | 174.611 | | | |
| 3,200.00 | 3,182.15 | 3,086.54 | 3,086.06 | 8.34 | 6.51 | -175.61 | -1,553.10 | -1,361.82 | 2,315.84 | 2,302.19 | 13.65 | 169.639 | | | |
| 3,300.00 | 3,281.04 | 3,201.38 | 3,200.86 | 8.67 | 6.79 | -175.69 | -1,556.26 | -1,362.51 | 2,333.07 | 2,318.90 | 14.17 | 164.706 | | | |
| 3,400.00 | 3,379.94 | 3,319.73 | 3,319.18 | 9.01 | 7.06 | -175.76 | -1,558.83 | -1,362.52 | 2,349.48 | 2,334.81 | 14.67 | 160.172 | | | |
| 3,500.00 | 3,478.83 | 3,428.04 | 3,427.46 | 9.35 | 7.27 | -175.85 | -1,561.28 | -1,361.44 | 2,365.33 | 2,350.21 | 15.12 | 156.445 | | | |
| 3,600.00 | 3,577.73 | 3,535.16 | 3,534.51 | 9.69 | 7.45 | -175.96 | -1,564.11 | -1,359.18 | 2,380.75 | 2,365.20 | 15.55 | 153.131 | | | |
| 3,700.00 | 3,676.62 | 3,637.93 | 3,637.24 | 10.03 | 7.63 | -176.05 | -1,566.19 | -1,357.46 | 2,395.99 | 2,380.02 | 15.97 | 150.074 | | | |
| 3,800.00 | 3,775.52 | 3,738.55 | 3,737.85 | 10.37 | 7.81 | -176.13 | -1,567.68 | -1,356.09 | 2,411.02 | 2,394.64 | 16.39 | 147.138 | | | |
| 3,900.00 | 3,874.41 | 3,836.91 | 3,836.20 | 10.72 | 7.99 | -176.18 | -1,568.84 | -1,355.27 | 2,426.17 | 2,409.36 | 16.81 | 144.319 | | | |
| 4,000.00 | 3,973.31 | 3,941.38 | 3,940.66 | 11.06 | 8.19 | -176.23 | -1,569.60 | -1,354.58 | 2,441.09 | 2,423.84 | 17.25 | 141.544 | | | |
| 4,100.00 | 4,072.20 | 4,044.36 | 4,043.63 | 11.40 | 8.36 | -176.28 | -1,570.41 | -1,353.68 | 2,455.93 | 2,438.26 | 17.67 | 139.014 | | | |
| 4,200.00 | 4,171.10 | 4,163.98 | 4,163.25 | 11.75 | 8.52 | -176.34 | -1,570.78 | -1,352.41 | 2,470.30 | 2,452.23 | 18.07 | 136.700 | | | |
| 4,300.00 | 4,269.99 | 4,280.39 | 4,279.65 | 12.09 | 8.61 | -176.37 | -1,569.76 | -1,351.19 | 2,483.75 | 2,465.35 | 18.40 | 134.967 | | | |
| 4,400.00 | 4,368.89 | 4,370.88 | 4,370.12 | 12.44 | 8.67 | -176.37 | -1,568.03 | -1,351.08 | 2,497.02 | 2,478.32 | 18.71 | 133.490 | | | |
| 4,500.00 | 4,467.78 | 4,453.06 | 4,452.28 | 12.78 | 8.74 | -176.35 | -1,566.33 | -1,351.84 | 2,510.85 | 2,491.83 | 19.02 | 131.997 | | | |
| 4,600.00 | 4,566.68 | 4,542.38 | 4,541.59 | 13.13 | 8.83 | -176.34 | -1,565.36 | -1,352.58 | 2,525.33 | 2,505.97 | 19.36 | 130.471 | | | |
| 4,700.00 | 4,665.57 | 4,648.03 | 4,647.24 | 13.48 | 8.93 | -176.35 | -1,564.69 | -1,352.82 | 2,539.80 | 2,520.10 | 19.70 | 128.933 | | | |
| 4,800.00 | 4,764.47 | 4,748.82 | 4,748.02 | 13.82 | 9.01 | -176.36 | -1,563.86 | -1,352.84 | 2,553.98 | 2,533.95 | 20.03 | 127.524 | | | |
| 4,900.00 | 4,863.36 | 4,848.89 | 4,848.09 | 14.17 | 9.10 | -176.37 | -1,563.30 | -1,352.72 | 2,568.27 | 2,547.91 | 20.36 | 126.161 | | | |
| 5,000.00 | 4,962.26 | 4,955.98 | 4,955.17 | 14.52 | 9.20 | -176.38 | -1,562.23 | -1,352.68 | 2,582.28 | 2,561.58 | 20.70 | 124.732 | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | WELD_CAMP 5 PAD - CAMP 7-26 offset - CAMP 7-26 - CAMP 7-26 | Offset Site Error: | 0.00 ft |
|---------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--|--------------------|---------|
| Survey Program: | | | | | | | | | | | | | 100-NS-GYRO-MS | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | |
| 5,100.00 | 5,061.15 | 5,053.67 | 5,052.86 | 14.87 | 9.30 | -176.38 | -1,560.88 | -1,352.83 | 2,596.13 | 2,575.08 | 21.05 | 123.316 | | | |
| 5,200.00 | 5,160.05 | 5,148.01 | 5,147.19 | 15.21 | 9.41 | -176.37 | -1,559.61 | -1,353.21 | 2,610.16 | 2,588.75 | 21.41 | 121.903 | | | |
| 5,300.00 | 5,258.94 | 5,245.16 | 5,244.32 | 15.56 | 9.54 | -176.36 | -1,558.26 | -1,353.84 | 2,624.32 | 2,602.53 | 21.79 | 120.462 | | | |
| 5,400.00 | 5,357.84 | 5,347.39 | 5,346.55 | 15.91 | 9.68 | -176.36 | -1,556.97 | -1,354.35 | 2,638.48 | 2,616.31 | 22.17 | 119.019 | | | |
| 5,500.00 | 5,456.73 | 5,447.73 | 5,446.87 | 16.26 | 9.81 | -176.36 | -1,555.70 | -1,354.57 | 2,652.44 | 2,629.89 | 22.55 | 117.633 | | | |
| 5,600.00 | 5,555.63 | 5,544.81 | 5,543.95 | 16.61 | 9.95 | -176.36 | -1,554.56 | -1,354.83 | 2,666.52 | 2,643.59 | 22.93 | 116.299 | | | |
| 5,700.00 | 5,654.52 | 5,646.04 | 5,645.17 | 16.96 | 10.09 | -176.35 | -1,553.34 | -1,355.07 | 2,680.55 | 2,657.24 | 23.32 | 114.951 | | | |
| 5,800.00 | 5,753.42 | 5,748.87 | 5,747.99 | 17.31 | 10.24 | -176.35 | -1,551.96 | -1,355.34 | 2,694.50 | 2,670.78 | 23.72 | 113.617 | | | |
| 5,900.00 | 5,852.31 | 5,852.76 | 5,851.87 | 17.66 | 10.40 | -176.35 | -1,550.44 | -1,355.46 | 2,708.26 | 2,684.14 | 24.12 | 112.303 | | | |
| 6,000.00 | 5,951.21 | 5,954.28 | 5,953.38 | 18.01 | 10.55 | -176.35 | -1,548.82 | -1,355.52 | 2,721.88 | 2,697.36 | 24.51 | 111.031 | | | |
| 6,100.00 | 6,050.10 | 6,056.21 | 6,055.29 | 18.36 | 10.71 | -176.34 | -1,547.11 | -1,355.55 | 2,735.43 | 2,710.51 | 24.92 | 109.777 | | | |
| 6,200.00 | 6,149.00 | 6,154.85 | 6,153.92 | 18.71 | 10.86 | -176.34 | -1,545.38 | -1,355.55 | 2,748.89 | 2,723.56 | 25.32 | 108.561 | | | |
| 6,300.00 | 6,247.89 | 6,252.88 | 6,251.93 | 19.06 | 11.03 | -176.33 | -1,543.59 | -1,355.76 | 2,762.43 | 2,736.70 | 25.73 | 107.363 | | | |
| 6,400.00 | 6,346.79 | 6,352.59 | 6,351.63 | 19.41 | 11.20 | -176.32 | -1,541.61 | -1,356.12 | 2,775.95 | 2,749.80 | 26.15 | 106.162 | | | |
| 6,500.00 | 6,445.68 | 6,460.07 | 6,459.08 | 19.76 | 11.39 | -176.30 | -1,539.29 | -1,356.58 | 2,789.39 | 2,762.81 | 26.58 | 104.934 | | | |
| 6,600.00 | 6,544.58 | 6,569.01 | 6,567.99 | 20.11 | 11.58 | -176.29 | -1,536.84 | -1,356.44 | 2,802.39 | 2,775.38 | 27.02 | 103.729 | | | |
| 6,700.00 | 6,643.53 | 6,674.23 | 6,673.17 | 20.44 | 11.76 | 170.47 | -1,534.31 | -1,356.10 | 2,814.73 | 2,787.27 | 27.46 | 102.493 | | | |
| 6,800.00 | 6,743.00 | 6,783.19 | 6,782.09 | 20.62 | 11.95 | 82.35 | -1,531.45 | -1,355.59 | 2,817.26 | 2,789.50 | 27.75 | 101.509 | | | |
| 6,900.00 | 6,840.75 | 6,898.03 | 6,896.86 | 20.64 | 12.16 | 59.86 | -1,527.25 | -1,355.58 | 2,806.15 | 2,778.52 | 27.63 | 101.577 | | | |
| 7,000.00 | 6,933.82 | 6,971.76 | 6,970.54 | 20.54 | 12.30 | 55.41 | -1,524.32 | -1,355.83 | 2,782.45 | 2,755.30 | 27.15 | 102.494 | | | |
| 7,100.00 | 7,019.36 | 7,042.88 | 7,041.60 | 20.31 | 12.44 | 55.83 | -1,521.74 | -1,356.43 | 2,747.77 | 2,721.09 | 26.68 | 102.998 | | | |
| 7,200.00 | 7,094.79 | 7,107.55 | 7,106.23 | 20.01 | 12.57 | 58.89 | -1,519.52 | -1,357.15 | 2,703.30 | 2,676.73 | 26.57 | 101.755 | | | |
| 7,300.00 | 7,157.81 | 7,158.87 | 7,157.51 | 19.66 | 12.67 | 63.90 | -1,517.81 | -1,357.91 | 2,650.80 | 2,623.75 | 27.05 | 98.008 | | | |
| 7,400.00 | 7,206.51 | 7,200.00 | 7,198.62 | 19.29 | 12.76 | 70.57 | -1,516.46 | -1,358.68 | 2,592.27 | 2,564.18 | 28.09 | 92.293 | | | |
| 7,500.00 | 7,239.40 | 7,224.36 | 7,222.96 | 18.94 | 12.81 | 78.34 | -1,515.69 | -1,359.18 | 2,529.83 | 2,500.55 | 29.27 | 86.424 | | | |
| 7,600.00 | 7,255.49 | 7,236.07 | 7,234.66 | 18.63 | 12.83 | 86.69 | -1,515.33 | -1,359.42 | 2,465.65 | 2,435.48 | 30.17 | 81.725 | | | |
| 7,700.00 | 7,256.04 | 7,233.80 | 7,232.40 | 18.39 | 12.83 | 91.21 | -1,515.40 | -1,359.38 | 2,401.94 | 2,371.37 | 30.57 | 78.565 | | | |
| 7,800.00 | 7,253.91 | 7,229.08 | 7,227.68 | 18.51 | 12.82 | 91.06 | -1,515.54 | -1,359.28 | 2,340.57 | 2,309.59 | 30.98 | 75.557 | | | |
| 7,900.00 | 7,251.78 | 7,224.31 | 7,222.91 | 19.20 | 12.81 | 90.92 | -1,515.69 | -1,359.18 | 2,281.92 | 2,250.31 | 31.62 | 72.176 | | | |
| 8,000.00 | 7,249.65 | 7,219.49 | 7,218.09 | 20.08 | 12.80 | 90.77 | -1,515.84 | -1,359.08 | 2,226.21 | 2,193.77 | 32.44 | 68.616 | | | |
| 8,100.00 | 7,247.53 | 7,214.61 | 7,213.22 | 21.07 | 12.79 | 90.62 | -1,515.99 | -1,358.98 | 2,173.67 | 2,140.24 | 33.42 | 65.038 | | | |
| 8,200.00 | 7,245.40 | 7,209.69 | 7,208.30 | 22.17 | 12.78 | 90.47 | -1,516.15 | -1,358.88 | 2,124.52 | 2,089.99 | 34.53 | 61.528 | | | |
| 8,300.00 | 7,243.27 | 7,204.70 | 7,203.32 | 23.36 | 12.77 | 90.32 | -1,516.31 | -1,358.78 | 2,079.01 | 2,043.26 | 35.75 | 58.157 | | | |
| 8,400.00 | 7,241.14 | 7,200.00 | 7,198.62 | 24.64 | 12.76 | 90.17 | -1,516.46 | -1,358.68 | 2,037.38 | 2,000.31 | 37.07 | 54.968 | | | |
| 8,500.00 | 7,239.01 | 7,200.00 | 7,198.62 | 25.98 | 12.76 | 90.17 | -1,516.46 | -1,358.68 | 1,999.88 | 1,961.39 | 38.50 | 51.950 | | | |
| 8,600.00 | 7,236.89 | 7,190.43 | 7,189.06 | 27.39 | 12.74 | 89.88 | -1,516.77 | -1,358.49 | 1,966.73 | 1,926.80 | 39.93 | 49.254 | | | |
| 8,700.00 | 7,234.76 | 7,185.79 | 7,184.42 | 28.85 | 12.73 | 89.74 | -1,516.93 | -1,358.40 | 1,938.18 | 1,896.72 | 41.46 | 46.751 | | | |
| 8,800.00 | 7,232.63 | 7,181.13 | 7,179.76 | 30.36 | 12.72 | 89.60 | -1,517.08 | -1,358.31 | 1,914.41 | 1,871.38 | 43.03 | 44.486 | | | |
| 8,900.00 | 7,230.50 | 7,176.47 | 7,175.10 | 31.91 | 12.71 | 89.45 | -1,517.23 | -1,358.23 | 1,895.62 | 1,850.96 | 44.65 | 42.451 | | | |
| 9,000.00 | 7,228.38 | 7,171.79 | 7,170.43 | 33.49 | 12.70 | 89.31 | -1,517.38 | -1,358.14 | 1,881.94 | 1,835.63 | 46.31 | 40.638 | | | |
| 9,100.00 | 7,226.25 | 7,167.11 | 7,165.75 | 35.11 | 12.69 | 89.17 | -1,517.54 | -1,358.06 | 1,873.50 | 1,825.50 | 48.00 | 39.034 | | | |
| 9,200.00 | 7,224.12 | 7,162.41 | 7,161.06 | 36.75 | 12.68 | 89.02 | -1,517.69 | -1,357.97 | 1,870.36 | 1,820.65 | 49.71 | 37.625 | | | |
| 9,208.95 | 7,223.93 | 7,161.99 | 7,160.64 | 36.90 | 12.68 | 89.01 | -1,517.71 | -1,357.97 | 1,870.34 | 1,820.39 | 49.95 | 37.447 CC, ES | | | |
| 9,300.00 | 7,221.99 | 7,157.71 | 7,156.36 | 38.41 | 12.67 | 88.88 | -1,517.85 | -1,357.89 | 1,872.55 | 1,821.10 | 51.45 | 36.397 | | | |
| 9,400.00 | 7,219.86 | 7,153.00 | 7,151.65 | 40.10 | 12.66 | 88.74 | -1,518.00 | -1,357.82 | 1,880.04 | 1,826.84 | 53.21 | 35.335 | | | |
| 9,500.00 | 7,217.74 | 7,148.27 | 7,146.93 | 41.80 | 12.65 | 88.59 | -1,518.16 | -1,357.74 | 1,892.79 | 1,837.81 | 54.98 | 34.426 | | | |
| 9,600.00 | 7,215.61 | 7,143.54 | 7,142.20 | 43.53 | 12.64 | 88.45 | -1,518.32 | -1,357.66 | 1,910.68 | 1,853.90 | 56.77 | 33.655 | | | |
| 9,700.00 | 7,213.48 | 7,138.80 | 7,137.46 | 45.26 | 12.63 | 88.30 | -1,518.47 | -1,357.59 | 1,933.56 | 1,874.99 | 58.58 | 33.009 | | | |
| 9,800.00 | 7,211.35 | 7,134.04 | 7,132.71 | 47.01 | 12.62 | 88.16 | -1,518.63 | -1,357.52 | 1,961.27 | 1,900.88 | 60.39 | 32.476 | | | |
| 9,900.00 | 7,209.22 | 7,129.28 | 7,127.95 | 48.77 | 12.61 | 88.01 | -1,518.79 | -1,357.45 | 1,993.61 | 1,931.39 | 62.22 | 32.042 | | | |
| 10,000.00 | 7,207.10 | 7,124.51 | 7,123.18 | 50.54 | 12.60 | 87.86 | -1,518.95 | -1,357.38 | 2,030.35 | 1,966.29 | 64.06 | 31.697 | | | |
| 10,100.00 | 7,204.97 | 7,119.72 | 7,118.40 | 52.32 | 12.59 | 87.72 | -1,519.11 | -1,357.31 | 2,071.25 | 2,005.35 | 65.90 | 31.431 | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|--------------------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | | | Offset | | Semi Major Axis | | | Distance | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | |
| 10,200.00 | 7,202.84 | 7,114.93 | 7,113.61 | 54.11 | 12.58 | 87.57 | -1,519.27 | -1,357.25 | 2,116.08 | 2,048.33 | 67.75 | 31.233 | | | |
| 10,300.00 | 7,200.71 | 7,110.13 | 7,108.81 | 55.91 | 12.57 | 87.42 | -1,519.43 | -1,357.18 | 2,164.60 | 2,094.99 | 69.61 | 31.097 | | | |
| 10,400.00 | 7,198.59 | 7,100.00 | 7,098.69 | 57.72 | 12.55 | 87.12 | -1,519.77 | -1,357.06 | 2,216.56 | 2,145.13 | 71.43 | 31.032 | | | |
| 10,500.00 | 7,196.46 | 7,100.00 | 7,098.69 | 59.53 | 12.55 | 87.12 | -1,519.77 | -1,357.06 | 2,271.71 | 2,198.37 | 73.34 | 30.976 SF | | | |
| 10,600.00 | 7,194.33 | 7,095.24 | 7,093.92 | 61.34 | 12.54 | 86.97 | -1,519.93 | -1,357.00 | 2,329.84 | 2,254.63 | 75.21 | 30.977 | | | |
| 10,700.00 | 7,192.20 | 7,089.91 | 7,088.60 | 63.17 | 12.53 | 86.81 | -1,520.11 | -1,356.94 | 2,390.74 | 2,313.65 | 77.08 | 31.015 | | | |
| 10,800.00 | 7,190.07 | 7,084.56 | 7,083.25 | 64.99 | 12.52 | 86.64 | -1,520.30 | -1,356.87 | 2,454.18 | 2,375.22 | 78.96 | 31.081 | | | |
| 10,900.00 | 7,187.95 | 7,079.18 | 7,077.87 | 66.83 | 12.51 | 86.48 | -1,520.48 | -1,356.81 | 2,519.99 | 2,439.15 | 80.84 | 31.172 | | | |
| 11,000.00 | 7,185.82 | 7,073.77 | 7,072.47 | 68.66 | 12.50 | 86.31 | -1,520.67 | -1,356.75 | 2,587.97 | 2,505.25 | 82.72 | 31.285 | | | |
| 11,100.00 | 7,183.69 | 7,068.33 | 7,067.04 | 70.50 | 12.49 | 86.15 | -1,520.85 | -1,356.69 | 2,657.97 | 2,573.37 | 84.61 | 31.416 | | | |
| 11,200.00 | 7,181.56 | 7,062.87 | 7,061.58 | 72.35 | 12.48 | 85.98 | -1,521.04 | -1,356.63 | 2,729.83 | 2,643.34 | 86.49 | 31.562 | | | |
| 11,300.00 | 7,179.44 | 7,057.38 | 7,056.09 | 74.19 | 12.47 | 85.81 | -1,521.23 | -1,356.57 | 2,803.40 | 2,715.02 | 88.38 | 31.720 | | | |
| 11,400.00 | 7,177.31 | 7,051.86 | 7,050.58 | 76.04 | 12.46 | 85.65 | -1,521.43 | -1,356.52 | 2,878.56 | 2,788.29 | 90.27 | 31.889 | | | |
| 11,500.00 | 7,175.18 | 7,046.32 | 7,045.04 | 77.90 | 12.45 | 85.48 | -1,521.62 | -1,356.46 | 2,955.18 | 2,863.02 | 92.16 | 32.067 | | | |
| 11,600.00 | 7,173.05 | 7,040.74 | 7,039.47 | 79.75 | 12.43 | 85.31 | -1,521.82 | -1,356.40 | 3,033.14 | 2,939.10 | 94.05 | 32.251 | | | |
| 11,700.00 | 7,170.92 | 7,035.14 | 7,033.87 | 81.61 | 12.42 | 85.14 | -1,522.01 | -1,356.35 | 3,112.36 | 3,016.43 | 95.94 | 32.442 | | | |
| 11,800.00 | 7,168.80 | 7,029.50 | 7,028.24 | 83.47 | 12.41 | 84.97 | -1,522.21 | -1,356.30 | 3,192.74 | 3,094.91 | 97.83 | 32.636 | | | |
| 11,837.41 | 7,168.00 | 7,027.39 | 7,026.12 | 84.17 | 12.41 | 84.90 | -1,522.29 | -1,356.28 | 3,223.09 | 3,124.55 | 98.54 | 32.710 | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | | |
|--------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|---|---------|--------------------|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | | WELD_CAMP 5 PAD - CAMP LEWIS C 1 offset - CAMP LEWIS C 1 - CAMP LEWIS C 1 | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -142.13 | -895.42 | -696.38 | 1,134.85 | | | | | | | |
| 100.00 | 100.00 | 62.78 | 62.78 | 0.08 | 0.08 | -142.12 | -895.37 | -696.59 | 1,134.43 | 1,134.26 | 0.17 | 6,763.199 | CC | | | |
| 200.00 | 200.00 | 165.49 | 165.48 | 0.31 | 0.30 | -142.07 | -895.05 | -697.49 | 1,134.73 | 1,134.12 | 0.61 | 1,861.280 | | | | |
| 288.01 | 288.01 | 254.00 | 253.99 | 0.51 | 0.53 | -142.03 | -894.47 | -698.13 | 1,134.66 | 1,133.62 | 1.04 | 1,094.487 | | | | |
| 300.00 | 300.00 | 265.58 | 265.57 | 0.53 | 0.56 | -142.02 | -894.40 | -698.22 | 1,134.66 | 1,133.57 | 1.09 | 1,037.307 | | | | |
| 400.00 | 400.00 | 364.41 | 364.39 | 0.76 | 0.82 | -141.98 | -893.99 | -698.95 | 1,134.79 | 1,133.21 | 1.58 | 719.616 | | | | |
| 500.00 | 500.00 | 461.29 | 461.28 | 0.98 | 1.06 | -141.97 | -893.98 | -699.32 | 1,135.02 | 1,132.98 | 2.04 | 556.519 | ES | | | |
| 600.00 | 600.00 | 560.75 | 560.73 | 1.21 | 1.30 | -141.95 | -894.18 | -699.89 | 1,135.53 | 1,133.03 | 2.50 | 453.608 | | | | |
| 700.00 | 700.00 | 659.48 | 659.46 | 1.43 | 1.53 | -141.92 | -894.22 | -700.58 | 1,135.99 | 1,133.03 | 2.96 | 383.151 | | | | |
| 800.00 | 800.00 | 755.52 | 755.50 | 1.66 | 1.76 | -141.91 | -894.61 | -701.24 | 1,136.73 | 1,133.32 | 3.42 | 332.665 | | | | |
| 900.00 | 900.00 | 853.05 | 853.02 | 1.88 | 1.99 | -141.88 | -895.05 | -702.36 | 1,137.80 | 1,133.93 | 3.88 | 293.501 | | | | |
| 1,000.00 | 1,000.00 | 955.16 | 955.12 | 2.11 | 2.24 | -141.86 | -895.72 | -703.34 | 1,138.91 | 1,134.56 | 4.35 | 261.793 | | | | |
| 1,100.00 | 1,100.00 | 1,057.67 | 1,057.63 | 2.33 | 2.50 | -141.84 | -896.14 | -704.14 | 1,139.71 | 1,134.88 | 4.83 | 235.834 | | | | |
| 1,200.00 | 1,200.00 | 1,154.66 | 1,154.62 | 2.56 | 2.75 | -141.82 | -896.43 | -705.02 | 1,140.51 | 1,135.20 | 5.31 | 214.879 | | | | |
| 1,300.00 | 1,300.00 | 1,254.49 | 1,254.43 | 2.78 | 3.01 | -141.79 | -896.97 | -706.15 | 1,141.63 | 1,135.84 | 5.79 | 197.138 | | | | |
| 1,400.00 | 1,399.98 | 1,353.81 | 1,353.75 | 3.00 | 3.27 | -178.15 | -897.21 | -707.34 | 1,144.31 | 1,138.04 | 6.28 | 182.316 | | | | |
| 1,500.00 | 1,499.84 | 1,454.21 | 1,454.14 | 3.23 | 3.53 | -178.12 | -897.66 | -708.65 | 1,150.70 | 1,143.94 | 6.76 | 170.266 | | | | |
| 1,600.00 | 1,599.45 | 1,556.95 | 1,556.87 | 3.45 | 3.80 | -178.09 | -897.79 | -709.86 | 1,160.24 | 1,153.00 | 7.24 | 160.247 | | | | |
| 1,700.00 | 1,698.70 | 1,653.15 | 1,653.07 | 3.69 | 4.06 | -178.05 | -897.83 | -711.03 | 1,173.20 | 1,165.50 | 7.70 | 152.384 | | | | |
| 1,800.00 | 1,797.61 | 1,751.49 | 1,751.39 | 3.95 | 4.32 | -178.03 | -898.11 | -712.47 | 1,189.01 | 1,180.84 | 8.18 | 145.434 | | | | |
| 1,900.00 | 1,896.51 | 1,852.43 | 1,852.32 | 4.22 | 4.59 | -178.01 | -898.21 | -713.77 | 1,204.69 | 1,196.03 | 8.67 | 138.990 | | | | |
| 2,000.00 | 1,995.40 | 1,949.56 | 1,949.44 | 4.51 | 4.84 | -177.98 | -898.28 | -715.07 | 1,220.39 | 1,211.24 | 9.15 | 133.351 | | | | |
| 2,100.00 | 2,094.30 | 2,044.87 | 2,044.74 | 4.80 | 5.10 | -177.96 | -898.43 | -716.58 | 1,236.29 | 1,226.66 | 9.63 | 128.333 | | | | |
| 2,200.00 | 2,193.19 | 2,140.10 | 2,139.96 | 5.10 | 5.35 | -177.92 | -898.69 | -718.42 | 1,252.51 | 1,242.39 | 10.12 | 123.806 | | | | |
| 2,300.00 | 2,292.09 | 2,237.25 | 2,237.09 | 5.41 | 5.61 | -177.88 | -899.05 | -720.48 | 1,268.92 | 1,258.31 | 10.61 | 119.645 | | | | |
| 2,400.00 | 2,390.98 | 2,335.75 | 2,335.57 | 5.72 | 5.87 | -177.85 | -899.65 | -722.37 | 1,285.38 | 1,274.28 | 11.10 | 115.818 | | | | |
| 2,500.00 | 2,489.88 | 2,434.80 | 2,434.60 | 6.04 | 6.13 | -177.82 | -900.17 | -724.34 | 1,301.83 | 1,290.23 | 11.59 | 112.290 | | | | |
| 2,600.00 | 2,588.77 | 2,534.07 | 2,533.84 | 6.36 | 6.39 | -177.80 | -900.66 | -726.28 | 1,318.23 | 1,306.14 | 12.09 | 109.026 | | | | |
| 2,700.00 | 2,687.67 | 2,633.22 | 2,632.97 | 6.68 | 6.65 | -177.75 | -900.92 | -728.47 | 1,334.60 | 1,322.01 | 12.59 | 106.012 | | | | |
| 2,800.00 | 2,786.56 | 2,732.03 | 2,731.76 | 7.01 | 6.92 | -177.71 | -901.05 | -730.72 | 1,350.92 | 1,337.83 | 13.09 | 103.225 | | | | |
| 2,900.00 | 2,885.46 | 2,831.34 | 2,831.04 | 7.34 | 7.18 | -177.67 | -901.35 | -732.83 | 1,367.28 | 1,353.69 | 13.59 | 100.631 | | | | |
| 3,000.00 | 2,984.36 | 2,934.57 | 2,934.25 | 7.67 | 7.45 | -177.62 | -901.37 | -734.98 | 1,383.39 | 1,369.30 | 14.10 | 98.136 | | | | |
| 3,100.00 | 3,083.25 | 3,036.33 | 3,035.99 | 8.00 | 7.72 | -177.59 | -901.31 | -736.74 | 1,399.23 | 1,384.63 | 14.60 | 95.822 | | | | |
| 3,200.00 | 3,182.15 | 3,138.32 | 3,137.98 | 8.34 | 7.99 | -177.56 | -901.18 | -738.31 | 1,414.90 | 1,399.79 | 15.11 | 93.662 | | | | |
| 3,300.00 | 3,281.04 | 3,238.73 | 3,238.36 | 8.67 | 8.24 | -177.53 | -900.76 | -739.76 | 1,430.28 | 1,414.68 | 15.60 | 91.672 | | | | |
| 3,400.00 | 3,379.94 | 3,336.57 | 3,336.20 | 9.01 | 8.49 | -177.51 | -900.48 | -741.24 | 1,445.81 | 1,429.71 | 16.09 | 89.846 | | | | |
| 3,500.00 | 3,478.83 | 3,436.82 | 3,436.43 | 9.35 | 8.75 | -177.48 | -900.13 | -742.51 | 1,461.14 | 1,444.55 | 16.59 | 88.075 | | | | |
| 3,600.00 | 3,577.73 | 3,536.61 | 3,536.22 | 9.69 | 9.00 | -177.46 | -899.97 | -743.81 | 1,476.64 | 1,459.55 | 17.08 | 86.449 | | | | |
| 3,700.00 | 3,676.62 | 3,647.89 | 3,647.50 | 10.03 | 9.24 | -177.46 | -899.49 | -744.49 | 1,491.48 | 1,473.93 | 17.56 | 84.955 | | | | |
| 3,800.00 | 3,775.52 | 3,753.63 | 3,753.23 | 10.37 | 9.39 | -177.46 | -898.58 | -744.63 | 1,505.71 | 1,487.76 | 17.95 | 83.873 | | | | |
| 3,900.00 | 3,874.41 | 3,855.42 | 3,855.02 | 10.72 | 9.51 | -177.46 | -897.45 | -744.58 | 1,519.63 | 1,501.32 | 18.31 | 82.978 | | | | |
| 4,000.00 | 3,973.31 | 3,957.86 | 3,957.45 | 11.06 | 9.63 | -177.46 | -896.11 | -744.54 | 1,533.41 | 1,514.73 | 18.68 | 82.088 | | | | |
| 4,100.00 | 4,072.20 | 4,058.75 | 4,058.33 | 11.40 | 9.76 | -177.44 | -894.41 | -744.58 | 1,546.95 | 1,527.89 | 19.06 | 81.170 | | | | |
| 4,200.00 | 4,171.10 | 4,158.60 | 4,158.15 | 11.75 | 9.90 | -177.42 | -892.62 | -744.71 | 1,560.46 | 1,541.02 | 19.44 | 80.260 | | | | |
| 4,300.00 | 4,269.99 | 4,260.40 | 4,259.94 | 12.09 | 10.05 | -177.40 | -890.80 | -744.65 | 1,573.87 | 1,554.04 | 19.83 | 79.372 | | | | |
| 4,400.00 | 4,368.89 | 4,372.14 | 4,371.65 | 12.44 | 10.20 | -177.38 | -888.33 | -744.47 | 1,586.88 | 1,566.66 | 20.22 | 78.471 | | | | |
| 4,500.00 | 4,467.78 | 4,478.12 | 4,477.59 | 12.78 | 10.32 | -177.36 | -885.42 | -743.68 | 1,599.10 | 1,578.51 | 20.59 | 77.649 | | | | |
| 4,600.00 | 4,566.68 | 4,578.53 | 4,577.96 | 13.13 | 10.45 | -177.34 | -882.46 | -742.88 | 1,611.15 | 1,590.19 | 20.96 | 76.861 | | | | |
| 4,700.00 | 4,665.57 | 4,679.97 | 4,679.34 | 13.48 | 10.58 | -177.32 | -879.33 | -742.12 | 1,623.12 | 1,601.78 | 21.34 | 76.068 | | | | |
| 4,800.00 | 4,764.47 | 4,774.35 | 4,773.68 | 13.82 | 10.70 | -177.30 | -876.48 | -741.39 | 1,635.11 | 1,613.40 | 21.71 | 75.312 | | | | |
| 4,900.00 | 4,863.36 | 4,868.75 | 4,868.03 | 14.17 | 10.85 | -177.27 | -873.82 | -740.95 | 1,647.46 | 1,625.37 | 22.10 | 74.556 | | | | |
| 5,000.00 | 4,962.26 | 4,959.02 | 4,958.28 | 14.52 | 10.99 | -177.25 | -871.54 | -740.70 | 1,660.17 | 1,637.68 | 22.49 | 73.826 | | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|---|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| WELD_CAMP 5 PAD - CAMP LEWIS C 1 offset - CAMP LEWIS C 1 - CAMP LEWIS C 1 | | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | | | |
| Reference | | | | Offset | | | Semi Major Axis | | Distance | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 5,100.00 | 5,061.15 | 5,048.88 | 5,048.12 | 14.87 | 11.14 | -177.24 | -869.89 | -740.60 | 1,673.49 | 1,650.61 | 22.88 | 73.148 | | |
| 5,200.00 | 5,160.05 | 5,138.74 | 5,137.98 | 15.21 | 11.28 | -177.25 | -868.91 | -740.37 | 1,687.30 | 1,664.03 | 23.27 | 72.508 | | |
| 5,300.00 | 5,258.94 | 5,227.49 | 5,226.72 | 15.56 | 11.43 | -177.26 | -868.49 | -740.34 | 1,701.73 | 1,678.07 | 23.66 | 71.925 | | |
| 5,400.00 | 5,357.84 | 5,317.32 | 5,316.55 | 15.91 | 11.55 | -177.29 | -868.64 | -740.34 | 1,716.66 | 1,692.64 | 24.02 | 71.457 | | |
| 5,500.00 | 5,456.73 | 5,400.00 | 5,399.23 | 16.26 | 11.62 | -177.33 | -869.56 | -740.31 | 1,732.31 | 1,707.97 | 24.34 | 71.161 | | |
| 5,600.00 | 5,555.63 | 5,491.99 | 5,491.20 | 16.61 | 11.72 | -177.38 | -871.30 | -740.36 | 1,748.61 | 1,723.92 | 24.68 | 70.838 | | |
| 5,700.00 | 5,654.52 | 5,589.49 | 5,588.68 | 16.96 | 11.83 | -177.44 | -873.36 | -740.58 | 1,765.18 | 1,740.14 | 25.04 | 70.484 | | |
| 5,800.00 | 5,753.42 | 5,692.89 | 5,692.06 | 17.31 | 11.97 | -177.49 | -875.31 | -740.94 | 1,781.66 | 1,756.23 | 25.42 | 70.075 | | |
| 5,900.00 | 5,852.31 | 5,791.62 | 5,790.77 | 17.66 | 12.11 | -177.53 | -876.86 | -741.41 | 1,797.97 | 1,772.16 | 25.81 | 69.649 | | |
| 6,000.00 | 5,951.21 | 5,890.51 | 5,889.65 | 18.01 | 12.27 | -177.57 | -878.40 | -741.91 | 1,814.29 | 1,788.08 | 26.21 | 69.218 | | |
| 6,100.00 | 6,050.10 | 5,989.87 | 5,989.00 | 18.36 | 12.41 | -177.62 | -880.02 | -742.27 | 1,830.59 | 1,803.98 | 26.60 | 68.814 | | |
| 6,200.00 | 6,149.00 | 6,089.12 | 6,088.23 | 18.71 | 12.56 | -177.66 | -881.66 | -742.56 | 1,846.85 | 1,819.85 | 26.99 | 68.418 | | |
| 6,300.00 | 6,247.89 | 6,188.30 | 6,187.41 | 19.06 | 12.71 | -177.70 | -883.17 | -742.94 | 1,863.08 | 1,835.68 | 27.39 | 68.010 | | |
| 6,400.00 | 6,346.79 | 6,289.06 | 6,288.15 | 19.41 | 12.89 | -177.73 | -884.57 | -743.40 | 1,879.24 | 1,851.43 | 27.81 | 67.572 | | |
| 6,500.00 | 6,445.68 | 6,395.22 | 6,394.30 | 19.76 | 13.11 | -177.75 | -885.51 | -744.15 | 1,895.17 | 1,866.90 | 28.28 | 67.025 | | |
| 6,600.00 | 6,544.58 | 6,507.77 | 6,506.86 | 20.11 | 13.38 | -177.76 | -885.64 | -744.96 | 1,910.52 | 1,881.72 | 28.79 | 66.356 | | |
| 6,700.00 | 6,643.53 | 6,609.03 | 6,608.11 | 20.44 | 13.63 | 168.97 | -885.38 | -745.56 | 1,925.07 | 1,895.76 | 29.31 | 65.678 | | |
| 6,800.00 | 6,743.00 | 6,723.72 | 6,722.79 | 20.62 | 13.88 | 80.85 | -884.19 | -746.25 | 1,929.25 | 1,899.58 | 29.67 | 65.017 | | |
| 6,900.00 | 6,840.75 | 6,816.38 | 6,815.44 | 20.64 | 14.08 | 58.29 | -882.90 | -746.94 | 1,919.84 | 1,890.37 | 29.48 | 65.134 | | |
| 7,000.00 | 6,933.82 | 6,900.00 | 6,899.05 | 20.54 | 14.27 | 53.94 | -881.99 | -747.77 | 1,897.98 | 1,869.03 | 28.95 | 65.557 | | |
| 7,100.00 | 7,019.36 | 6,977.93 | 6,976.98 | 20.31 | 14.44 | 54.53 | -881.67 | -748.43 | 1,864.80 | 1,836.37 | 28.42 | 65.611 | | |
| 7,200.00 | 7,094.79 | 7,049.17 | 7,048.22 | 20.01 | 14.59 | 57.83 | -881.97 | -748.72 | 1,821.75 | 1,793.47 | 28.28 | 64.421 | | |
| 7,300.00 | 7,157.81 | 7,110.06 | 7,109.10 | 19.66 | 14.70 | 63.20 | -882.46 | -748.89 | 1,770.71 | 1,741.88 | 28.82 | 61.436 | | |
| 7,400.00 | 7,206.51 | 7,158.04 | 7,157.08 | 19.29 | 14.78 | 70.17 | -882.90 | -749.04 | 1,713.92 | 1,683.96 | 29.97 | 57.193 | | |
| 7,500.00 | 7,239.40 | 7,190.82 | 7,189.86 | 18.94 | 14.84 | 78.08 | -883.22 | -749.16 | 1,653.91 | 1,622.67 | 31.24 | 52.937 | | |
| 7,600.00 | 7,255.49 | 7,207.39 | 7,206.43 | 18.63 | 14.87 | 86.07 | -883.38 | -749.23 | 1,593.23 | 1,561.06 | 32.16 | 49.534 | | |
| 7,700.00 | 7,256.04 | 7,208.88 | 7,207.92 | 18.39 | 14.87 | 90.20 | -883.39 | -749.24 | 1,534.39 | 1,501.81 | 32.58 | 47.092 | | |
| 7,800.00 | 7,253.91 | 7,207.77 | 7,206.81 | 18.51 | 14.87 | 90.15 | -883.38 | -749.23 | 1,479.73 | 1,446.74 | 32.99 | 44.847 | | |
| 7,900.00 | 7,251.78 | 7,206.66 | 7,205.70 | 19.20 | 14.87 | 90.10 | -883.37 | -749.23 | 1,429.98 | 1,396.39 | 33.59 | 42.567 | | |
| 8,000.00 | 7,249.65 | 7,205.54 | 7,204.58 | 20.08 | 14.86 | 90.05 | -883.36 | -749.22 | 1,385.68 | 1,351.29 | 34.39 | 40.289 | | |
| 8,100.00 | 7,247.53 | 7,204.43 | 7,203.47 | 21.07 | 14.86 | 90.00 | -883.35 | -749.22 | 1,347.35 | 1,311.96 | 35.39 | 38.068 | | |
| 8,200.00 | 7,245.40 | 7,203.31 | 7,202.35 | 22.17 | 14.86 | 89.95 | -883.34 | -749.21 | 1,315.52 | 1,279.00 | 36.52 | 36.018 | | |
| 8,300.00 | 7,243.27 | 7,202.19 | 7,201.23 | 23.36 | 14.86 | 89.90 | -883.33 | -749.21 | 1,290.68 | 1,252.91 | 37.77 | 34.175 | | |
| 8,400.00 | 7,241.14 | 7,201.07 | 7,200.11 | 24.64 | 14.86 | 89.85 | -883.32 | -749.21 | 1,273.22 | 1,234.11 | 39.11 | 32.558 | | |
| 8,500.00 | 7,239.01 | 7,200.00 | 7,199.04 | 25.98 | 14.85 | 89.80 | -883.31 | -749.20 | 1,263.46 | 1,222.93 | 40.53 | 31.175 | | |
| 8,573.82 | 7,237.44 | 7,200.00 | 7,199.04 | 27.02 | 14.85 | 89.80 | -883.31 | -749.20 | 1,261.30 | 1,219.64 | 41.66 | 30.277 | | |
| 8,600.00 | 7,236.89 | 7,198.82 | 7,197.86 | 27.39 | 14.85 | 89.75 | -883.30 | -749.20 | 1,261.57 | 1,219.55 | 42.02 | 30.025 | | |
| 8,700.00 | 7,234.76 | 7,197.70 | 7,196.74 | 28.85 | 14.85 | 89.70 | -883.28 | -749.19 | 1,267.59 | 1,224.03 | 43.57 | 29.095 | | |
| 8,800.00 | 7,232.63 | 7,196.57 | 7,195.61 | 30.36 | 14.85 | 89.64 | -883.27 | -749.19 | 1,281.41 | 1,236.25 | 45.17 | 28.371 | | |
| 8,900.00 | 7,230.50 | 7,195.44 | 7,194.49 | 31.91 | 14.85 | 89.59 | -883.26 | -749.18 | 1,302.78 | 1,255.98 | 46.81 | 27.832 | | |
| 9,000.00 | 7,228.38 | 7,194.32 | 7,193.36 | 33.49 | 14.84 | 89.54 | -883.25 | -749.18 | 1,331.34 | 1,282.85 | 48.49 | 27.457 | | |
| 9,100.00 | 7,226.25 | 7,193.19 | 7,192.23 | 35.11 | 14.84 | 89.49 | -883.24 | -749.17 | 1,366.64 | 1,316.44 | 50.20 | 27.225 | | |
| 9,200.00 | 7,224.12 | 7,192.05 | 7,191.09 | 36.75 | 14.84 | 89.44 | -883.23 | -749.17 | 1,408.16 | 1,356.22 | 51.94 | 27.113 | | |
| 9,300.00 | 7,221.99 | 7,190.92 | 7,189.96 | 38.41 | 14.84 | 89.39 | -883.22 | -749.16 | 1,455.38 | 1,401.68 | 53.70 | 27.103 SF | | |
| 9,400.00 | 7,219.86 | 7,189.78 | 7,188.82 | 40.10 | 14.84 | 89.34 | -883.21 | -749.16 | 1,507.76 | 1,452.28 | 55.48 | 27.177 | | |
| 9,500.00 | 7,217.74 | 7,188.65 | 7,187.69 | 41.80 | 14.83 | 89.28 | -883.20 | -749.15 | 1,564.79 | 1,507.51 | 57.28 | 27.318 | | |
| 9,600.00 | 7,215.61 | 7,187.51 | 7,186.55 | 43.53 | 14.83 | 89.23 | -883.18 | -749.15 | 1,625.97 | 1,566.87 | 59.10 | 27.514 | | |
| 9,700.00 | 7,213.48 | 7,186.36 | 7,185.41 | 45.26 | 14.83 | 89.18 | -883.17 | -749.14 | 1,690.85 | 1,629.93 | 60.93 | 27.753 | | |
| 9,800.00 | 7,211.35 | 7,185.22 | 7,184.26 | 47.01 | 14.83 | 89.13 | -883.16 | -749.14 | 1,759.03 | 1,696.26 | 62.77 | 28.024 | | |
| 9,900.00 | 7,209.22 | 7,184.08 | 7,183.12 | 48.77 | 14.83 | 89.08 | -883.15 | -749.14 | 1,830.13 | 1,765.51 | 64.62 | 28.321 | | |
| 10,000.00 | 7,207.10 | 7,182.93 | 7,181.97 | 50.54 | 14.82 | 89.02 | -883.14 | -749.13 | 1,903.83 | 1,837.35 | 66.48 | 28.636 | | |
| 10,100.00 | 7,204.97 | 7,181.78 | 7,180.82 | 52.32 | 14.82 | 88.97 | -883.13 | -749.13 | 1,979.84 | 1,911.49 | 68.36 | 28.964 | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|--------------------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|--------------------|-------------------|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | | | Offset | | Semi Major Axis | | Distance | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | | Separation Factor | |
| 10,200.00 | 7,202.84 | 7,180.63 | 7,179.67 | 54.11 | 14.82 | 88.92 | -883.12 | -749.12 | 2,057.90 | 1,987.67 | 70.24 | 29.300 | | |
| 10,300.00 | 7,200.71 | 7,179.48 | 7,178.52 | 55.91 | 14.82 | 88.87 | -883.11 | -749.12 | 2,137.79 | 2,065.67 | 72.12 | 29.641 | | |
| 10,400.00 | 7,198.59 | 7,178.33 | 7,177.37 | 57.72 | 14.82 | 88.82 | -883.10 | -749.11 | 2,219.31 | 2,145.30 | 74.02 | 29.984 | | |
| 10,500.00 | 7,196.46 | 7,177.17 | 7,176.21 | 59.53 | 14.81 | 88.76 | -883.08 | -749.11 | 2,302.29 | 2,226.37 | 75.92 | 30.327 | | |
| 10,600.00 | 7,194.33 | 7,176.01 | 7,175.05 | 61.34 | 14.81 | 88.71 | -883.07 | -749.10 | 2,386.57 | 2,308.75 | 77.82 | 30.668 | | |
| 10,700.00 | 7,192.20 | 7,174.85 | 7,173.89 | 63.17 | 14.81 | 88.66 | -883.06 | -749.10 | 2,472.02 | 2,392.29 | 79.73 | 31.005 | | |
| 10,800.00 | 7,190.07 | 7,173.69 | 7,172.73 | 64.99 | 14.81 | 88.61 | -883.05 | -749.10 | 2,558.53 | 2,476.89 | 81.64 | 31.338 | | |
| 10,900.00 | 7,187.95 | 7,172.53 | 7,171.57 | 66.83 | 14.81 | 88.55 | -883.04 | -749.09 | 2,645.99 | 2,562.43 | 83.56 | 31.665 | | |
| 11,000.00 | 7,185.82 | 7,171.36 | 7,170.41 | 68.66 | 14.80 | 88.50 | -883.03 | -749.09 | 2,734.30 | 2,648.82 | 85.48 | 31.987 | | |
| 11,100.00 | 7,183.69 | 7,170.20 | 7,169.24 | 70.50 | 14.80 | 88.45 | -883.02 | -749.08 | 2,823.40 | 2,735.99 | 87.41 | 32.302 | | |
| 11,200.00 | 7,181.56 | 7,169.03 | 7,168.07 | 72.35 | 14.80 | 88.39 | -883.01 | -749.08 | 2,913.20 | 2,823.87 | 89.33 | 32.610 | | |
| 11,300.00 | 7,179.44 | 7,167.86 | 7,166.90 | 74.19 | 14.80 | 88.34 | -883.00 | -749.07 | 3,003.65 | 2,912.39 | 91.27 | 32.911 | | |
| 11,400.00 | 7,177.31 | 7,166.69 | 7,165.73 | 76.04 | 14.80 | 88.29 | -882.98 | -749.07 | 3,094.69 | 3,001.49 | 93.20 | 33.205 | | |
| 11,500.00 | 7,175.18 | 7,165.51 | 7,164.55 | 77.90 | 14.79 | 88.23 | -882.97 | -749.07 | 3,186.26 | 3,091.12 | 95.13 | 33.492 | | |
| 11,600.00 | 7,173.05 | 7,164.34 | 7,163.38 | 79.75 | 14.79 | 88.18 | -882.96 | -749.06 | 3,278.32 | 3,181.25 | 97.07 | 33.772 | | |
| 11,700.00 | 7,170.92 | 7,163.16 | 7,162.20 | 81.61 | 14.79 | 88.13 | -882.95 | -749.06 | 3,370.84 | 3,271.83 | 99.01 | 34.045 | | |
| 11,800.00 | 7,168.80 | 7,161.98 | 7,161.02 | 83.47 | 14.79 | 88.07 | -882.94 | -749.05 | 3,463.77 | 3,362.82 | 100.95 | 34.311 | | |
| 11,837.41 | 7,168.00 | 7,161.54 | 7,160.58 | 84.17 | 14.79 | 88.05 | -882.94 | -749.05 | 3,498.64 | 3,396.96 | 101.68 | 34.408 | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -145.98 | -3,443.47 | -2,324.03 | 4,154.55 | | | | | |
| 100.00 | 100.00 | 179.17 | 179.10 | 0.08 | 0.30 | -145.95 | -3,438.97 | -2,324.03 | 4,152.35 | 4,151.98 | 0.38 | N/A | | |
| 200.00 | 200.00 | 279.11 | 278.98 | 0.31 | 0.53 | -145.92 | -3,435.48 | -2,324.03 | 4,149.46 | 4,148.63 | 0.83 | 5,015.748 | | |
| 300.00 | 300.00 | 379.05 | 378.86 | 0.53 | 0.76 | -145.90 | -3,431.99 | -2,324.03 | 4,146.57 | 4,145.29 | 1.28 | 3,243.906 | | |
| 400.00 | 400.00 | 478.98 | 478.73 | 0.76 | 0.99 | -145.87 | -3,428.50 | -2,324.03 | 4,143.68 | 4,141.95 | 1.73 | 2,396.111 | | |
| 500.00 | 500.00 | 578.92 | 578.61 | 0.98 | 1.23 | -145.84 | -3,425.01 | -2,324.03 | 4,140.79 | 4,138.61 | 2.18 | 1,899.010 | | |
| 600.00 | 600.00 | 678.86 | 678.49 | 1.21 | 1.46 | -145.81 | -3,421.53 | -2,324.03 | 4,137.90 | 4,135.27 | 2.63 | 1,572.297 | | |
| 700.00 | 700.00 | 778.80 | 778.37 | 1.43 | 1.69 | -145.79 | -3,418.04 | -2,324.03 | 4,135.02 | 4,131.93 | 3.08 | 1,341.184 | | |
| 800.00 | 800.00 | 878.74 | 878.25 | 1.66 | 1.92 | -145.76 | -3,414.55 | -2,324.03 | 4,132.13 | 4,128.60 | 3.53 | 1,169.067 | | |
| 900.00 | 900.00 | 978.68 | 978.12 | 1.88 | 2.15 | -145.73 | -3,411.06 | -2,324.03 | 4,129.24 | 4,125.26 | 3.99 | 1,035.914 | | |
| 1,000.00 | 1,000.00 | 1,078.62 | 1,078.00 | 2.11 | 2.38 | -145.71 | -3,407.57 | -2,324.03 | 4,126.36 | 4,121.92 | 4.44 | 929.838 | | |
| 1,100.00 | 1,100.00 | 1,178.56 | 1,177.88 | 2.33 | 2.62 | -145.68 | -3,404.09 | -2,324.03 | 4,123.48 | 4,118.59 | 4.89 | 843.343 | | |
| 1,200.00 | 1,200.00 | 1,278.50 | 1,277.76 | 2.56 | 2.85 | -145.65 | -3,400.60 | -2,324.03 | 4,120.59 | 4,115.25 | 5.34 | 771.465 | | |
| 1,300.00 | 1,300.00 | 1,378.44 | 1,377.64 | 2.78 | 3.08 | -145.62 | -3,397.11 | -2,324.03 | 4,117.71 | 4,111.92 | 5.79 | 710.787 | | |
| 1,382.58 | 1,382.56 | 1,460.98 | 1,460.13 | 2.97 | 3.27 | 178.00 | -3,394.23 | -2,324.03 | 4,116.52 | 4,110.33 | 6.19 | 665.169 | | |
| 1,400.00 | 1,399.98 | 1,478.40 | 1,477.54 | 3.00 | 3.31 | 178.00 | -3,393.62 | -2,324.03 | 4,116.58 | 4,110.31 | 6.27 | 656.946 | | |
| 1,500.00 | 1,499.84 | 1,578.35 | 1,577.43 | 3.23 | 3.54 | 178.03 | -3,390.13 | -2,324.03 | 4,118.93 | 4,112.22 | 6.70 | 614.438 | | |
| 1,600.00 | 1,599.45 | 1,678.15 | 1,677.17 | 3.45 | 3.77 | 178.06 | -3,386.65 | -2,324.03 | 4,124.77 | 4,117.63 | 7.13 | 578.247 | | |
| 1,700.00 | 1,698.70 | 1,777.68 | 1,776.64 | 3.69 | 4.01 | 178.08 | -3,383.18 | -2,324.03 | 4,134.09 | 4,126.53 | 7.56 | 546.979 | | |
| 1,800.00 | 1,797.61 | 1,876.94 | 1,875.84 | 3.95 | 4.24 | 178.12 | -3,379.71 | -2,324.03 | 4,145.93 | 4,137.93 | 8.00 | 518.158 | | |
| 1,900.00 | 1,896.51 | 1,976.20 | 1,975.03 | 4.22 | 4.47 | 178.15 | -3,376.25 | -2,324.03 | 4,157.90 | 4,149.44 | 8.46 | 491.761 | | |
| 2,000.00 | 1,995.40 | 2,075.45 | 2,074.22 | 4.51 | 4.70 | 178.18 | -3,372.79 | -2,324.03 | 4,169.87 | 4,160.96 | 8.91 | 467.940 | | |
| 2,100.00 | 2,094.30 | 2,174.70 | 2,173.41 | 4.80 | 4.93 | 178.22 | -3,369.32 | -2,324.03 | 4,181.84 | 4,172.47 | 9.37 | 446.351 | | |
| 2,200.00 | 2,193.19 | 2,273.95 | 2,272.60 | 5.10 | 5.16 | 178.25 | -3,365.86 | -2,324.03 | 4,193.81 | 4,183.98 | 9.83 | 426.705 | | |
| 2,300.00 | 2,292.09 | 2,373.20 | 2,371.79 | 5.41 | 5.39 | 178.28 | -3,362.39 | -2,324.03 | 4,205.78 | 4,195.49 | 10.29 | 408.761 | | |
| 2,400.00 | 2,390.98 | 2,472.45 | 2,470.99 | 5.72 | 5.62 | 178.32 | -3,358.93 | -2,324.03 | 4,217.76 | 4,207.00 | 10.75 | 392.313 | | |
| 2,500.00 | 2,489.88 | 2,571.70 | 2,570.18 | 6.04 | 5.85 | 178.35 | -3,355.47 | -2,324.03 | 4,229.73 | 4,218.52 | 11.21 | 377.185 | | |
| 2,600.00 | 2,588.77 | 2,670.95 | 2,669.37 | 6.36 | 6.08 | 178.38 | -3,352.00 | -2,324.03 | 4,241.71 | 4,230.03 | 11.68 | 363.230 | | |
| 2,700.00 | 2,687.67 | 2,770.21 | 2,768.56 | 6.68 | 6.31 | 178.42 | -3,348.54 | -2,324.02 | 4,253.69 | 4,241.54 | 12.14 | 350.319 | | |
| 2,800.00 | 2,786.56 | 2,869.46 | 2,867.75 | 7.01 | 6.54 | 178.45 | -3,345.08 | -2,324.02 | 4,265.67 | 4,253.06 | 12.61 | 338.340 | | |
| 2,900.00 | 2,885.46 | 2,968.71 | 2,966.94 | 7.34 | 6.77 | 178.48 | -3,341.61 | -2,324.02 | 4,277.65 | 4,264.57 | 13.07 | 327.200 | | |
| 3,000.00 | 2,984.36 | 3,067.96 | 3,066.13 | 7.67 | 7.00 | 178.51 | -3,338.15 | -2,324.02 | 4,289.63 | 4,276.09 | 13.54 | 316.813 | | |
| 3,100.00 | 3,083.25 | 3,167.21 | 3,165.32 | 8.00 | 7.23 | 178.54 | -3,334.68 | -2,324.02 | 4,301.61 | 4,287.61 | 14.01 | 307.107 | | |
| 3,200.00 | 3,182.15 | 3,266.46 | 3,264.51 | 8.34 | 7.46 | 178.57 | -3,331.22 | -2,324.02 | 4,313.60 | 4,299.12 | 14.47 | 298.019 | | |
| 3,300.00 | 3,281.04 | 3,365.71 | 3,363.70 | 8.67 | 7.69 | 178.61 | -3,327.76 | -2,324.02 | 4,325.58 | 4,310.64 | 14.94 | 289.492 | | |
| 3,400.00 | 3,379.94 | 3,464.96 | 3,462.89 | 9.01 | 7.92 | 178.64 | -3,324.29 | -2,324.02 | 4,337.57 | 4,322.16 | 15.41 | 281.476 | | |
| 3,500.00 | 3,478.83 | 3,564.22 | 3,562.08 | 9.35 | 8.15 | 178.67 | -3,320.83 | -2,324.02 | 4,349.56 | 4,333.68 | 15.88 | 273.927 | | |
| 3,600.00 | 3,577.73 | 3,663.47 | 3,661.28 | 9.69 | 8.38 | 178.70 | -3,317.37 | -2,324.02 | 4,361.55 | 4,345.20 | 16.35 | 266.806 | | |
| 3,700.00 | 3,676.62 | 3,762.72 | 3,760.47 | 10.03 | 8.61 | 178.73 | -3,313.90 | -2,324.02 | 4,373.54 | 4,356.72 | 16.82 | 260.078 | | |
| 3,800.00 | 3,775.52 | 3,861.97 | 3,859.66 | 10.37 | 8.84 | 178.76 | -3,310.44 | -2,324.02 | 4,385.53 | 4,368.25 | 17.29 | 253.712 | | |
| 3,900.00 | 3,874.41 | 3,961.22 | 3,958.85 | 10.72 | 9.07 | 178.79 | -3,306.97 | -2,324.02 | 4,397.53 | 4,379.77 | 17.75 | 247.679 | | |
| 4,000.00 | 3,973.31 | 4,060.47 | 4,058.04 | 11.06 | 9.30 | 178.82 | -3,303.51 | -2,324.02 | 4,409.52 | 4,391.30 | 18.22 | 241.954 | | |
| 4,100.00 | 4,072.20 | 4,159.72 | 4,157.23 | 11.40 | 9.53 | 178.85 | -3,300.05 | -2,324.02 | 4,421.52 | 4,402.82 | 18.69 | 236.514 | | |
| 4,200.00 | 4,171.10 | 4,258.97 | 4,256.42 | 11.75 | 9.76 | 178.88 | -3,296.58 | -2,324.02 | 4,433.51 | 4,414.35 | 19.16 | 231.339 | | |
| 4,300.00 | 4,269.99 | 4,358.23 | 4,355.61 | 12.09 | 9.99 | 178.91 | -3,293.12 | -2,324.02 | 4,445.51 | 4,425.88 | 19.63 | 226.410 | | |
| 4,400.00 | 4,368.89 | 4,457.48 | 4,454.80 | 12.44 | 10.22 | 178.94 | -3,289.65 | -2,324.02 | 4,457.51 | 4,437.41 | 20.11 | 221.710 | | |
| 4,500.00 | 4,467.78 | 4,556.73 | 4,553.99 | 12.78 | 10.45 | 178.97 | -3,286.19 | -2,324.02 | 4,469.51 | 4,448.94 | 20.58 | 217.224 | | |
| 4,600.00 | 4,566.68 | 4,655.98 | 4,653.18 | 13.13 | 10.68 | 179.00 | -3,282.73 | -2,324.02 | 4,481.52 | 4,460.47 | 21.05 | 212.937 | | |
| 4,700.00 | 4,665.57 | 4,755.23 | 4,752.37 | 13.48 | 10.91 | 179.03 | -3,279.26 | -2,324.02 | 4,493.52 | 4,472.00 | 21.52 | 208.836 | | |
| 4,800.00 | 4,764.47 | 4,854.48 | 4,851.57 | 13.82 | 11.14 | 179.06 | -3,275.80 | -2,324.02 | 4,505.52 | 4,483.53 | 21.99 | 204.910 | | |
| 4,900.00 | 4,863.36 | 4,953.73 | 4,950.76 | 14.17 | 11.37 | 179.09 | -3,272.34 | -2,324.02 | 4,517.53 | 4,495.07 | 22.46 | 201.147 | | |
| 5,000.00 | 4,962.26 | 5,052.98 | 5,049.95 | 14.52 | 11.60 | 179.11 | -3,268.87 | -2,324.02 | 4,529.53 | 4,506.60 | 22.93 | 197.539 | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|---------------------------|---------------------------|---------------------------|---------------------------|-------------------|----------------|-----------------------------|---|---------------|----------------------------|-----------------------------|-------------------------------|----------------------|--------------------|---------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | |
| 5,100.00 | 5,061.15 | 5,152.24 | 5,149.14 | 14.87 | 11.83 | 179.14 | -3,265.41 | -2,324.02 | 4,541.54 | 4,518.14 | 23.40 | 194.074 | | | |
| 5,200.00 | 5,160.05 | 5,251.49 | 5,248.33 | 15.21 | 12.06 | 179.17 | -3,261.94 | -2,324.02 | 4,553.55 | 4,529.68 | 23.87 | 190.746 | | | |
| 5,300.00 | 5,258.94 | 5,350.74 | 5,347.52 | 15.56 | 12.29 | 179.20 | -3,258.48 | -2,324.02 | 4,565.56 | 4,541.22 | 24.34 | 187.547 | | | |
| 5,400.00 | 5,357.84 | 5,449.99 | 5,446.71 | 15.91 | 12.52 | 179.23 | -3,255.02 | -2,324.02 | 4,577.57 | 4,552.76 | 24.82 | 184.468 | | | |
| 5,500.00 | 5,456.73 | 5,549.24 | 5,545.90 | 16.26 | 12.75 | 179.25 | -3,251.55 | -2,324.02 | 4,589.58 | 4,564.30 | 25.29 | 181.503 | | | |
| 5,600.00 | 5,555.63 | 5,648.49 | 5,645.09 | 16.61 | 12.98 | 179.28 | -3,248.09 | -2,324.02 | 4,601.60 | 4,575.84 | 25.76 | 178.647 | | | |
| 5,700.00 | 5,654.52 | 5,747.74 | 5,744.28 | 16.96 | 13.21 | 179.31 | -3,244.62 | -2,324.02 | 4,613.61 | 4,587.38 | 26.23 | 175.893 | | | |
| 5,800.00 | 5,753.42 | 5,846.99 | 5,843.47 | 17.31 | 13.44 | 179.34 | -3,241.16 | -2,324.01 | 4,625.62 | 4,598.92 | 26.70 | 173.236 | | | |
| 5,900.00 | 5,852.31 | 5,946.25 | 5,942.66 | 17.66 | 13.67 | 179.36 | -3,237.70 | -2,324.01 | 4,637.64 | 4,610.47 | 27.17 | 170.670 | | | |
| 6,000.00 | 5,951.21 | 6,045.50 | 6,041.85 | 18.01 | 13.90 | 179.39 | -3,234.23 | -2,324.01 | 4,649.66 | 4,622.01 | 27.64 | 168.192 | | | |
| 6,100.00 | 6,050.10 | 6,144.75 | 6,141.05 | 18.36 | 14.13 | 179.42 | -3,230.77 | -2,324.01 | 4,661.68 | 4,633.56 | 28.12 | 165.797 | | | |
| 6,200.00 | 6,149.00 | 6,244.00 | 6,240.24 | 18.71 | 14.36 | 179.45 | -3,227.31 | -2,324.01 | 4,673.70 | 4,645.11 | 28.59 | 163.481 | | | |
| 6,300.00 | 6,247.89 | 6,343.25 | 6,339.43 | 19.06 | 14.59 | 179.47 | -3,223.84 | -2,324.01 | 4,685.72 | 4,656.65 | 29.06 | 161.240 | | | |
| 6,400.00 | 6,346.79 | 6,442.50 | 6,438.62 | 19.41 | 14.82 | 179.50 | -3,220.38 | -2,324.01 | 4,697.74 | 4,668.20 | 29.53 | 159.070 | | | |
| 6,500.00 | 6,445.68 | 6,541.75 | 6,537.81 | 19.76 | 15.05 | 179.53 | -3,216.91 | -2,324.01 | 4,709.76 | 4,679.75 | 30.00 | 156.968 | | | |
| 6,600.00 | 6,544.58 | 6,641.00 | 6,637.00 | 20.11 | 15.28 | 179.55 | -3,213.45 | -2,324.01 | 4,721.78 | 4,691.31 | 30.48 | 154.931 | | | |
| 6,700.00 | 6,643.53 | 6,740.29 | 6,736.23 | 20.44 | 15.51 | 166.35 | -3,209.99 | -2,324.01 | 4,733.36 | 4,702.36 | 31.00 | 152.685 | | | |
| 6,800.00 | 6,743.00 | 6,839.66 | 6,835.54 | 20.62 | 15.74 | 78.23 | -3,206.52 | -2,324.01 | 4,734.81 | 4,703.54 | 31.27 | 151.438 | | | |
| 6,900.00 | 6,840.75 | 6,936.71 | 6,932.52 | 20.64 | 15.97 | 55.51 | -3,203.13 | -2,324.01 | 4,722.30 | 4,691.35 | 30.95 | 152.569 | | | |
| 7,000.00 | 6,933.82 | 7,028.48 | 7,024.24 | 20.54 | 16.18 | 50.91 | -3,199.93 | -2,324.01 | 4,696.33 | 4,666.09 | 30.24 | 155.324 | | | |
| 7,100.00 | 7,019.36 | 7,112.20 | 7,107.91 | 20.31 | 16.37 | 51.18 | -3,197.01 | -2,324.01 | 4,657.87 | 4,628.41 | 29.46 | 158.111 | | | |
| 7,200.00 | 7,094.79 | 7,185.31 | 7,180.97 | 20.01 | 16.54 | 54.18 | -3,194.45 | -2,324.01 | 4,608.29 | 4,579.18 | 29.10 | 158.344 | | | |
| 7,300.00 | 7,157.81 | 7,245.59 | 7,241.22 | 19.66 | 16.68 | 59.47 | -3,192.35 | -2,324.01 | 4,549.32 | 4,519.70 | 29.62 | 153.611 | | | |
| 7,400.00 | 7,206.51 | 7,291.22 | 7,286.82 | 19.29 | 16.79 | 66.97 | -3,190.76 | -2,324.01 | 4,482.97 | 4,451.90 | 31.07 | 144.264 | | | |
| 7,500.00 | 7,239.40 | 7,320.81 | 7,316.39 | 18.94 | 16.86 | 76.50 | -3,189.73 | -2,324.01 | 4,411.45 | 4,378.52 | 32.93 | 133.969 | | | |
| 7,600.00 | 7,255.49 | 7,333.45 | 7,329.02 | 18.63 | 16.89 | 87.41 | -3,189.28 | -2,324.01 | 4,337.06 | 4,302.80 | 34.25 | 126.613 | | | |
| 7,700.00 | 7,256.04 | 7,330.51 | 7,326.08 | 18.39 | 16.88 | 93.60 | -3,189.39 | -2,324.01 | 4,262.12 | 4,227.48 | 34.64 | 123.023 | | | |
| 7,800.00 | 7,253.91 | 7,324.89 | 7,320.47 | 18.51 | 16.87 | 93.49 | -3,189.58 | -2,324.01 | 4,188.12 | 4,153.06 | 35.06 | 119.472 | | | |
| 7,900.00 | 7,251.78 | 7,319.27 | 7,314.86 | 19.20 | 16.85 | 93.38 | -3,189.78 | -2,324.01 | 4,115.21 | 4,079.56 | 35.65 | 115.435 | | | |
| 8,000.00 | 7,249.65 | 7,313.66 | 7,309.24 | 20.08 | 16.84 | 93.27 | -3,189.98 | -2,324.01 | 4,043.45 | 4,007.04 | 36.41 | 111.047 | | | |
| 8,100.00 | 7,247.53 | 7,308.04 | 7,303.63 | 21.07 | 16.83 | 93.15 | -3,190.17 | -2,324.01 | 3,972.90 | 3,935.49 | 37.41 | 106.196 | | | |
| 8,200.00 | 7,245.40 | 7,302.43 | 7,298.02 | 22.17 | 16.81 | 93.04 | -3,190.37 | -2,324.01 | 3,903.64 | 3,865.10 | 38.54 | 101.288 | | | |
| 8,300.00 | 7,243.27 | 7,296.81 | 7,292.41 | 23.36 | 16.80 | 92.93 | -3,190.56 | -2,324.01 | 3,835.72 | 3,795.94 | 39.78 | 96.423 | | | |
| 8,400.00 | 7,241.14 | 7,291.20 | 7,286.79 | 24.64 | 16.79 | 92.81 | -3,190.76 | -2,324.01 | 3,769.22 | 3,728.10 | 41.12 | 91.673 | | | |
| 8,500.00 | 7,239.01 | 7,285.58 | 7,281.18 | 25.98 | 16.77 | 92.70 | -3,190.96 | -2,324.01 | 3,704.22 | 3,661.68 | 42.53 | 87.091 | | | |
| 8,600.00 | 7,236.89 | 7,279.96 | 7,275.57 | 27.39 | 16.76 | 92.59 | -3,191.15 | -2,324.01 | 3,640.79 | 3,596.78 | 44.02 | 82.710 | | | |
| 8,700.00 | 7,234.76 | 7,274.35 | 7,269.96 | 28.85 | 16.75 | 92.48 | -3,191.35 | -2,324.01 | 3,579.03 | 3,533.47 | 45.56 | 78.551 | | | |
| 8,800.00 | 7,232.63 | 7,268.73 | 7,264.35 | 30.36 | 16.74 | 92.36 | -3,191.54 | -2,324.01 | 3,519.02 | 3,471.86 | 47.16 | 74.622 | | | |
| 8,900.00 | 7,230.50 | 7,263.12 | 7,258.73 | 31.91 | 16.72 | 92.25 | -3,191.74 | -2,324.01 | 3,460.85 | 3,412.05 | 48.80 | 70.926 | | | |
| 9,000.00 | 7,228.38 | 7,257.50 | 7,253.12 | 33.49 | 16.71 | 92.14 | -3,191.94 | -2,324.01 | 3,404.61 | 3,354.14 | 50.47 | 67.459 | | | |
| 9,100.00 | 7,226.25 | 7,251.89 | 7,247.51 | 35.11 | 16.70 | 92.02 | -3,192.13 | -2,324.01 | 3,350.41 | 3,298.23 | 52.18 | 64.214 | | | |
| 9,200.00 | 7,224.12 | 7,246.27 | 7,241.90 | 36.75 | 16.68 | 91.91 | -3,192.33 | -2,324.01 | 3,298.34 | 3,244.43 | 53.91 | 61.184 | | | |
| 9,300.00 | 7,221.99 | 7,240.65 | 7,236.28 | 38.41 | 16.67 | 91.80 | -3,192.52 | -2,324.01 | 3,248.50 | 3,192.83 | 55.67 | 58.358 | | | |
| 9,400.00 | 7,219.86 | 7,235.04 | 7,230.67 | 40.10 | 16.66 | 91.68 | -3,192.72 | -2,324.01 | 3,201.00 | 3,143.56 | 57.44 | 55.725 | | | |
| 9,500.00 | 7,217.74 | 7,229.42 | 7,225.06 | 41.80 | 16.64 | 91.57 | -3,192.91 | -2,324.01 | 3,155.94 | 3,096.71 | 59.24 | 53.275 | | | |
| 9,600.00 | 7,215.61 | 7,223.81 | 7,219.45 | 43.53 | 16.63 | 91.46 | -3,193.11 | -2,324.01 | 3,113.44 | 3,052.39 | 61.05 | 50.998 | | | |
| 9,700.00 | 7,213.48 | 7,218.19 | 7,213.84 | 45.26 | 16.62 | 91.34 | -3,193.31 | -2,324.01 | 3,073.59 | 3,010.72 | 62.88 | 48.884 | | | |
| 9,800.00 | 7,211.35 | 7,212.58 | 7,208.22 | 47.01 | 16.61 | 91.23 | -3,193.50 | -2,324.01 | 3,036.51 | 2,971.79 | 64.71 | 46.922 | | | |
| 9,900.00 | 7,209.22 | 7,206.96 | 7,202.61 | 48.77 | 16.59 | 91.12 | -3,193.70 | -2,324.01 | 3,002.29 | 2,935.72 | 66.56 | 45.105 | | | |
| 10,000.00 | 7,207.10 | 7,201.34 | 7,197.00 | 50.54 | 16.58 | 91.00 | -3,193.89 | -2,324.01 | 2,971.03 | 2,902.60 | 68.42 | 43.423 | | | |
| 10,100.00 | 7,204.97 | 7,195.73 | 7,191.39 | 52.32 | 16.57 | 90.89 | -3,194.09 | -2,324.01 | 2,942.82 | 2,872.53 | 70.29 | 41.867 | | | |
| 10,200.00 | 7,202.84 | 7,190.11 | 7,185.77 | 54.11 | 16.55 | 90.78 | -3,194.29 | -2,324.01 | 2,917.77 | 2,845.60 | 72.16 | 40.432 | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|--------------------|---------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 10,300.00 | 7,200.71 | 7,184.50 | 7,180.16 | 55.91 | 16.54 | 90.66 | -3,194.48 | -2,324.01 | 2,895.94 | 2,821.89 | 74.05 | 39.109 | | |
| 10,400.00 | 7,198.59 | 7,178.88 | 7,174.55 | 57.72 | 16.53 | 90.55 | -3,194.68 | -2,324.01 | 2,877.41 | 2,801.47 | 75.94 | 37.892 | | |
| 10,500.00 | 7,196.46 | 7,173.27 | 7,168.94 | 59.53 | 16.51 | 90.44 | -3,194.87 | -2,324.01 | 2,862.24 | 2,784.41 | 77.83 | 36.775 | | |
| 10,600.00 | 7,194.33 | 7,167.65 | 7,163.32 | 61.34 | 16.50 | 90.32 | -3,195.07 | -2,324.01 | 2,850.50 | 2,770.77 | 79.73 | 35.751 | | |
| 10,700.00 | 7,192.20 | 7,162.04 | 7,157.71 | 63.17 | 16.49 | 90.21 | -3,195.27 | -2,324.01 | 2,842.21 | 2,760.58 | 81.64 | 34.816 | | |
| 10,800.00 | 7,190.07 | 7,156.42 | 7,152.10 | 64.99 | 16.48 | 90.10 | -3,195.46 | -2,324.01 | 2,837.42 | 2,753.87 | 83.54 | 33.963 | | |
| 10,886.57 | 7,188.23 | 7,151.56 | 7,147.24 | 66.58 | 16.46 | 90.00 | -3,195.63 | -2,324.01 | 2,836.10 | 2,750.89 | 85.21 | 33.283 CC | | |
| 10,900.00 | 7,187.95 | 7,150.80 | 7,146.49 | 66.83 | 16.46 | 89.98 | -3,195.66 | -2,324.01 | 2,836.13 | 2,750.68 | 85.46 | 33.188 ES | | |
| 11,000.00 | 7,185.82 | 7,145.19 | 7,140.88 | 68.66 | 16.45 | 89.87 | -3,195.85 | -2,324.01 | 2,838.36 | 2,750.99 | 87.37 | 32.485 | | |
| 11,100.00 | 7,183.69 | 7,139.57 | 7,135.26 | 70.50 | 16.44 | 89.76 | -3,196.05 | -2,324.01 | 2,844.09 | 2,754.80 | 89.29 | 31.851 | | |
| 11,200.00 | 7,181.56 | 7,133.96 | 7,129.65 | 72.35 | 16.42 | 89.65 | -3,196.25 | -2,324.01 | 2,853.31 | 2,762.10 | 91.22 | 31.281 | | |
| 11,300.00 | 7,179.44 | 7,128.34 | 7,124.04 | 74.19 | 16.41 | 89.53 | -3,196.44 | -2,324.01 | 2,865.98 | 2,772.84 | 93.14 | 30.771 | | |
| 11,400.00 | 7,177.31 | 7,122.73 | 7,118.43 | 76.04 | 16.40 | 89.42 | -3,196.64 | -2,324.01 | 2,882.06 | 2,786.99 | 95.07 | 30.316 | | |
| 11,500.00 | 7,175.18 | 7,117.11 | 7,112.81 | 77.90 | 16.38 | 89.31 | -3,196.83 | -2,324.01 | 2,901.48 | 2,804.48 | 97.00 | 29.913 | | |
| 11,600.00 | 7,173.05 | 7,111.49 | 7,107.20 | 79.75 | 16.37 | 89.19 | -3,197.03 | -2,324.01 | 2,924.18 | 2,825.25 | 98.93 | 29.559 | | |
| 11,700.00 | 7,170.92 | 7,105.88 | 7,101.59 | 81.61 | 16.36 | 89.08 | -3,197.23 | -2,324.01 | 2,950.09 | 2,849.23 | 100.86 | 29.249 | | |
| 11,800.00 | 7,168.80 | 7,100.26 | 7,095.98 | 83.47 | 16.35 | 88.97 | -3,197.42 | -2,324.01 | 2,979.13 | 2,876.33 | 102.80 | 28.981 | | |
| 11,837.41 | 7,168.00 | 7,098.16 | 7,093.88 | 84.17 | 16.34 | 88.92 | -3,197.50 | -2,324.01 | 2,990.77 | 2,887.25 | 103.52 | 28.891 SF | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|--------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | Distance | | | | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 91.23 | -4.74 | 221.23 | 223.17 | | | | | |
| 100.00 | 100.00 | 71.11 | 71.11 | 0.08 | 0.09 | 91.16 | -4.48 | 221.21 | 221.26 | 221.08 | 0.18 | 1,237.484 | | |
| 154.06 | 154.06 | 125.07 | 125.06 | 0.21 | 0.20 | 91.03 | -3.99 | 221.20 | 221.23 | 220.83 | 0.40 | 546.635 | | |
| 200.00 | 200.00 | 170.72 | 170.72 | 0.31 | 0.32 | 90.92 | -3.53 | 221.23 | 221.26 | 220.63 | 0.63 | 352.137 | | |
| 300.00 | 300.00 | 270.23 | 270.22 | 0.53 | 0.58 | 90.68 | -2.62 | 221.49 | 221.51 | 220.40 | 1.11 | 199.194 | | |
| 400.00 | 400.00 | 370.48 | 370.47 | 0.76 | 0.84 | 90.51 | -1.97 | 221.84 | 221.85 | 220.26 | 1.60 | 138.874 | | |
| 500.00 | 500.00 | 470.64 | 470.63 | 0.98 | 1.10 | 90.37 | -1.42 | 222.03 | 222.03 | 219.94 | 2.09 | 106.439 | | |
| 600.00 | 600.00 | 571.41 | 571.40 | 1.21 | 1.35 | 90.17 | -0.65 | 222.08 | 222.08 | 219.52 | 2.56 | 86.896 | | |
| 700.00 | 700.00 | 671.77 | 671.75 | 1.43 | 1.58 | 90.05 | -0.20 | 221.77 | 221.77 | 218.76 | 3.01 | 73.661 | | |
| 800.00 | 800.00 | 771.50 | 771.48 | 1.66 | 1.82 | 89.91 | 0.36 | 221.47 | 221.47 | 218.00 | 3.48 | 63.688 | | |
| 900.00 | 900.00 | 871.58 | 871.56 | 1.88 | 2.07 | 89.80 | 0.77 | 221.27 | 221.27 | 217.32 | 3.95 | 55.968 | | |
| 1,000.00 | 1,000.00 | 972.01 | 971.98 | 2.11 | 2.32 | 89.67 | 1.29 | 220.93 | 220.93 | 216.51 | 4.43 | 49.917 | | |
| 1,100.00 | 1,100.00 | 1,071.78 | 1,071.75 | 2.33 | 2.52 | 89.56 | 1.69 | 220.49 | 220.49 | 215.64 | 4.86 | 45.410 | | |
| 1,200.00 | 1,200.00 | 1,172.86 | 1,172.84 | 2.56 | 2.69 | 89.57 | 1.65 | 220.00 | 220.01 | 214.77 | 5.24 | 41.966 | | |
| 1,300.00 | 1,300.00 | 1,272.33 | 1,272.30 | 2.78 | 2.86 | 89.59 | 1.58 | 219.15 | 219.16 | 213.52 | 5.64 | 38.827 | | |
| 1,400.00 | 1,399.98 | 1,371.84 | 1,371.81 | 3.00 | 3.05 | 53.55 | 1.65 | 218.72 | 217.69 | 211.64 | 6.05 | 35.968 | | |
| 1,500.00 | 1,499.84 | 1,472.85 | 1,472.82 | 3.23 | 3.22 | 54.81 | 1.44 | 218.14 | 214.05 | 207.62 | 6.44 | 33.263 | | |
| 1,600.00 | 1,599.45 | 1,572.76 | 1,572.72 | 3.45 | 3.39 | 56.99 | 1.02 | 217.04 | 208.07 | 201.24 | 6.82 | 30.496 | | |
| 1,700.00 | 1,698.70 | 1,670.51 | 1,670.47 | 3.69 | 3.60 | 60.04 | 0.83 | 216.22 | 200.84 | 193.58 | 7.26 | 27.674 | | |
| 1,800.00 | 1,797.61 | 1,769.62 | 1,769.57 | 3.95 | 3.84 | 63.81 | 0.91 | 215.95 | 193.58 | 185.83 | 7.75 | 24.980 | | |
| 1,900.00 | 1,896.51 | 1,868.59 | 1,868.54 | 4.22 | 4.08 | 67.82 | 1.13 | 215.39 | 186.84 | 178.58 | 8.27 | 22.601 | | |
| 2,000.00 | 1,995.40 | 1,966.58 | 1,966.53 | 4.51 | 4.28 | 71.98 | 1.53 | 215.13 | 181.32 | 172.57 | 8.76 | 20.705 | | |
| 2,100.00 | 2,094.30 | 2,065.28 | 2,065.23 | 4.80 | 4.40 | 76.49 | 1.49 | 215.19 | 177.32 | 168.14 | 9.19 | 19.301 | | |
| 2,200.00 | 2,193.19 | 2,165.23 | 2,165.18 | 5.10 | 4.54 | 81.41 | 1.08 | 214.80 | 174.27 | 164.62 | 9.65 | 18.066 | | |
| 2,300.00 | 2,292.09 | 2,264.46 | 2,264.41 | 5.41 | 4.73 | 86.43 | 1.00 | 213.85 | 171.89 | 161.72 | 10.17 | 16.900 | | |
| 2,400.00 | 2,390.98 | 2,363.16 | 2,363.10 | 5.72 | 4.94 | 91.59 | 0.74 | 212.83 | 170.92 | 160.21 | 10.71 | 15.963 | | |
| 2,416.30 | 2,407.10 | 2,379.24 | 2,379.18 | 5.77 | 4.97 | 92.44 | 0.68 | 212.64 | 170.90 | 160.10 | 10.80 | 15.825 CC, ES | | |
| 2,500.00 | 2,489.88 | 2,462.04 | 2,461.97 | 6.04 | 5.14 | 96.92 | 0.16 | 211.50 | 171.39 | 160.16 | 11.23 | 15.260 | | |
| 2,600.00 | 2,588.77 | 2,561.11 | 2,561.02 | 6.36 | 5.35 | 102.33 | -0.64 | 209.75 | 173.24 | 161.49 | 11.76 | 14.735 | | |
| 2,700.00 | 2,687.67 | 2,659.71 | 2,659.61 | 6.68 | 5.55 | 107.22 | -0.58 | 208.71 | 176.36 | 164.09 | 12.27 | 14.376 | | |
| 2,800.00 | 2,786.56 | 2,757.66 | 2,757.56 | 7.01 | 5.70 | 111.45 | -0.04 | 208.99 | 181.02 | 168.31 | 12.71 | 14.239 | | |
| 2,900.00 | 2,885.46 | 2,856.52 | 2,856.41 | 7.34 | 5.81 | 115.35 | 0.31 | 209.90 | 187.11 | 174.00 | 13.11 | 14.274 | | |
| 3,000.00 | 2,984.36 | 2,955.51 | 2,955.41 | 7.67 | 5.92 | 119.10 | 0.65 | 210.41 | 193.88 | 180.39 | 13.49 | 14.373 | | |
| 3,100.00 | 3,083.25 | 3,054.54 | 3,054.43 | 8.00 | 6.05 | 122.65 | 0.79 | 210.77 | 201.56 | 187.67 | 13.89 | 14.514 | | |
| 3,200.00 | 3,182.15 | 3,153.43 | 3,153.32 | 8.34 | 6.23 | 126.02 | 0.96 | 210.78 | 209.83 | 195.51 | 14.32 | 14.653 | | |
| 3,300.00 | 3,281.04 | 3,252.10 | 3,251.99 | 8.67 | 6.40 | 129.16 | 0.91 | 210.65 | 218.95 | 204.21 | 14.73 | 14.861 | | |
| 3,400.00 | 3,379.94 | 3,351.11 | 3,351.00 | 9.01 | 6.55 | 132.03 | 0.92 | 210.63 | 228.65 | 213.53 | 15.12 | 15.120 | | |
| 3,500.00 | 3,478.83 | 3,450.40 | 3,450.29 | 9.35 | 6.74 | 134.84 | 0.87 | 209.92 | 238.83 | 223.29 | 15.54 | 15.367 | | |
| 3,600.00 | 3,577.73 | 3,549.60 | 3,549.47 | 9.69 | 6.96 | 137.61 | 0.96 | 208.35 | 249.31 | 233.32 | 15.99 | 15.595 | | |
| 3,700.00 | 3,676.62 | 3,648.78 | 3,648.64 | 10.03 | 7.19 | 140.16 | 1.15 | 206.73 | 260.22 | 243.78 | 16.43 | 15.833 | | |
| 3,800.00 | 3,775.52 | 3,748.29 | 3,748.13 | 10.37 | 7.43 | 142.58 | 1.58 | 204.75 | 271.35 | 254.47 | 16.89 | 16.070 | | |
| 3,900.00 | 3,874.41 | 3,848.31 | 3,848.11 | 10.72 | 7.68 | 144.97 | 2.33 | 202.01 | 282.63 | 265.30 | 17.34 | 16.303 | | |
| 4,000.00 | 3,973.31 | 3,948.55 | 3,948.32 | 11.06 | 7.93 | 147.13 | 3.65 | 199.57 | 293.77 | 275.98 | 17.79 | 16.510 | | |
| 4,100.00 | 4,072.20 | 4,046.31 | 4,046.03 | 11.40 | 8.17 | 149.09 | 5.15 | 197.17 | 305.09 | 286.84 | 18.25 | 16.720 | | |
| 4,200.00 | 4,171.10 | 4,143.42 | 4,143.08 | 11.75 | 8.41 | 151.05 | 6.00 | 193.81 | 317.51 | 298.82 | 18.69 | 16.988 | | |
| 4,300.00 | 4,269.99 | 4,241.55 | 4,241.14 | 12.09 | 8.66 | 152.94 | 6.83 | 190.15 | 330.35 | 311.22 | 19.13 | 17.267 | | |
| 4,400.00 | 4,368.89 | 4,337.73 | 4,337.24 | 12.44 | 8.89 | 154.66 | 7.19 | 186.41 | 344.02 | 324.45 | 19.57 | 17.581 | | |
| 4,500.00 | 4,467.78 | 4,434.30 | 4,433.74 | 12.78 | 9.11 | 156.22 | 6.83 | 182.70 | 358.69 | 338.69 | 20.00 | 17.934 | | |
| 4,600.00 | 4,566.68 | 4,532.76 | 4,532.12 | 13.13 | 9.34 | 157.71 | 6.31 | 178.73 | 373.81 | 353.38 | 20.44 | 18.292 | | |
| 4,700.00 | 4,665.57 | 4,631.21 | 4,630.50 | 13.48 | 9.57 | 159.07 | 5.82 | 174.94 | 389.08 | 368.21 | 20.88 | 18.638 | | |
| 4,800.00 | 4,764.47 | 4,729.64 | 4,728.85 | 13.82 | 9.81 | 160.33 | 5.23 | 171.03 | 404.68 | 383.37 | 21.32 | 18.983 | | |
| 4,900.00 | 4,863.36 | 4,829.56 | 4,828.69 | 14.17 | 10.05 | 161.53 | 5.03 | 167.06 | 420.09 | 398.32 | 21.77 | 19.296 | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|--------------------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Reference | | | | Offset | | Semi Major Axis | | | Distance | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 5,000.00 | 4,962.26 | 4,926.44 | 4,925.49 | 14.52 | 10.28 | 162.63 | 4.80 | 163.06 | 435.75 | 413.53 | 22.22 | 19.611 | | |
| 5,100.00 | 5,061.15 | 5,022.41 | 5,021.37 | 14.87 | 10.51 | 163.63 | 4.13 | 159.12 | 451.98 | 429.31 | 22.66 | 19.942 | | |
| 5,200.00 | 5,160.05 | 5,117.30 | 5,116.17 | 15.21 | 10.72 | 164.51 | 2.73 | 155.25 | 469.03 | 445.92 | 23.10 | 20.303 | | |
| 5,300.00 | 5,258.94 | 5,214.98 | 5,213.75 | 15.56 | 10.94 | 165.35 | 0.86 | 151.11 | 486.66 | 463.12 | 23.54 | 20.674 | | |
| 5,400.00 | 5,357.84 | 5,318.15 | 5,316.83 | 15.91 | 11.18 | 166.13 | -0.70 | 147.42 | 503.76 | 479.76 | 24.00 | 20.994 | | |
| 5,500.00 | 5,456.73 | 5,415.90 | 5,414.53 | 16.26 | 11.40 | 166.79 | -1.97 | 144.26 | 520.61 | 496.17 | 24.45 | 21.297 | | |
| 5,600.00 | 5,555.63 | 5,514.35 | 5,512.92 | 16.61 | 11.62 | 167.36 | -3.50 | 141.45 | 537.61 | 512.71 | 24.89 | 21.596 | | |
| 5,700.00 | 5,654.52 | 5,614.24 | 5,612.77 | 16.96 | 11.84 | 167.90 | -4.91 | 138.73 | 554.48 | 529.13 | 25.35 | 21.875 | | |
| 5,800.00 | 5,753.42 | 5,712.90 | 5,711.38 | 17.31 | 12.07 | 168.43 | -6.06 | 135.86 | 571.24 | 545.44 | 25.81 | 22.135 | | |
| 5,900.00 | 5,852.31 | 5,810.36 | 5,808.79 | 17.66 | 12.30 | 168.94 | -7.18 | 132.82 | 588.12 | 561.85 | 26.27 | 22.388 | | |
| 6,000.00 | 5,951.21 | 5,905.72 | 5,904.08 | 18.01 | 12.53 | 169.44 | -8.45 | 129.49 | 605.37 | 578.65 | 26.73 | 22.651 | | |
| 6,100.00 | 6,050.10 | 6,000.00 | 5,998.26 | 18.36 | 12.75 | 169.96 | -10.00 | 125.37 | 623.33 | 596.15 | 27.18 | 22.933 | | |
| 6,200.00 | 6,149.00 | 6,101.30 | 6,099.42 | 18.71 | 13.00 | 170.56 | -11.41 | 120.24 | 641.43 | 613.77 | 27.66 | 23.194 | | |
| 6,300.00 | 6,247.89 | 6,207.77 | 6,205.77 | 19.06 | 13.27 | 171.16 | -11.85 | 115.23 | 658.57 | 630.42 | 28.15 | 23.394 | | |
| 6,400.00 | 6,346.79 | 6,302.74 | 6,300.67 | 19.41 | 13.51 | 171.62 | -12.30 | 111.49 | 675.47 | 646.84 | 28.62 | 23.599 | | |
| 6,500.00 | 6,445.68 | 6,398.26 | 6,396.12 | 19.76 | 13.75 | 171.98 | -13.53 | 108.22 | 692.86 | 663.77 | 29.09 | 23.820 | | |
| 6,600.00 | 6,544.58 | 6,501.80 | 6,499.61 | 20.11 | 13.99 | 172.33 | -14.91 | 105.11 | 710.13 | 680.56 | 29.57 | 24.015 | | |
| 6,700.00 | 6,643.53 | 6,604.85 | 6,602.62 | 20.44 | 14.23 | 172.68 | -16.04 | 103.02 | 726.27 | 696.23 | 30.03 | 24.183 | | |
| 6,800.00 | 6,743.00 | 6,707.03 | 6,704.79 | 20.82 | 14.45 | 173.03 | -17.05 | 101.75 | 741.07 | 710.77 | 30.29 | 24.132 | | |
| 6,900.00 | 6,840.75 | 6,812.68 | 6,810.44 | 20.64 | 14.62 | 173.38 | -17.57 | 101.24 | 720.20 | 690.36 | 29.84 | 24.132 | | |
| 7,000.00 | 6,933.82 | 6,906.53 | 6,904.28 | 20.54 | 14.70 | 173.73 | -17.98 | 101.67 | 694.91 | 666.00 | 28.91 | 24.036 | | |
| 7,100.00 | 7,019.36 | 6,989.94 | 6,987.69 | 20.31 | 14.75 | 174.08 | -18.68 | 102.33 | 657.59 | 629.52 | 28.07 | 23.431 | | |
| 7,200.00 | 7,094.79 | 7,069.63 | 7,067.37 | 20.01 | 14.79 | 174.43 | -19.35 | 103.02 | 610.68 | 582.61 | 28.07 | 21.755 | | |
| 7,300.00 | 7,157.81 | 7,133.07 | 7,130.81 | 19.66 | 14.82 | 174.78 | -19.56 | 103.65 | 557.69 | 528.50 | 29.19 | 19.106 | | |
| 7,400.00 | 7,206.51 | 7,180.79 | 7,178.53 | 19.29 | 14.85 | 175.13 | -19.97 | 104.17 | 504.16 | 473.40 | 30.76 | 16.390 | | |
| 7,500.00 | 7,239.40 | 7,214.40 | 7,212.13 | 18.94 | 14.87 | 175.48 | -20.41 | 104.55 | 456.44 | 424.58 | 31.86 | 14.326 | | |
| 7,600.00 | 7,255.49 | 7,231.82 | 7,229.55 | 18.63 | 14.88 | 175.83 | -20.65 | 104.75 | 421.94 | 389.63 | 32.31 | 13.058 | | |
| 7,700.00 | 7,256.04 | 7,233.72 | 7,231.44 | 18.39 | 14.88 | 176.18 | -20.67 | 104.77 | 407.49 | 374.91 | 32.58 | 12.508 | | |
| 7,710.79 | 7,255.81 | 7,233.63 | 7,231.36 | 18.36 | 14.88 | 176.53 | -20.67 | 104.77 | 407.35 | 374.73 | 32.62 | 12.487 SF | | |
| 7,800.00 | 7,253.91 | 7,232.94 | 7,230.67 | 18.51 | 14.88 | 176.88 | -20.66 | 104.76 | 417.00 | 384.01 | 32.99 | 12.639 | | |
| 7,900.00 | 7,251.78 | 7,232.18 | 7,229.90 | 19.20 | 14.88 | 177.23 | -20.65 | 104.75 | 449.14 | 415.55 | 33.59 | 13.371 | | |
| 8,000.00 | 7,249.65 | 7,231.41 | 7,229.13 | 20.08 | 14.88 | 177.58 | -20.64 | 104.74 | 499.57 | 465.14 | 34.43 | 14.511 | | |
| 8,100.00 | 7,247.53 | 7,230.64 | 7,228.37 | 21.07 | 14.88 | 177.93 | -20.63 | 104.73 | 563.39 | 527.97 | 35.42 | 15.906 | | |
| 8,200.00 | 7,245.40 | 7,229.88 | 7,227.60 | 22.17 | 14.88 | 178.28 | -20.62 | 104.72 | 636.58 | 600.04 | 36.54 | 17.420 | | |
| 8,300.00 | 7,243.27 | 7,229.11 | 7,226.84 | 23.36 | 14.88 | 178.63 | -20.61 | 104.72 | 716.29 | 678.51 | 37.78 | 18.960 | | |
| 8,400.00 | 7,241.14 | 7,228.35 | 7,226.08 | 24.64 | 14.88 | 178.98 | -20.60 | 104.71 | 800.57 | 761.46 | 39.11 | 20.469 | | |
| 8,500.00 | 7,239.01 | 7,227.59 | 7,225.32 | 25.98 | 14.88 | 179.33 | -20.59 | 104.70 | 888.11 | 847.59 | 40.52 | 21.915 | | |
| 8,600.00 | 7,236.89 | 7,226.83 | 7,224.56 | 27.39 | 14.88 | 179.68 | -20.58 | 104.69 | 978.04 | 936.04 | 42.01 | 23.283 | | |
| 8,700.00 | 7,234.76 | 7,226.07 | 7,223.80 | 28.85 | 14.88 | 180.03 | -20.57 | 104.68 | 1,069.77 | 1,026.22 | 43.55 | 24.564 | | |
| 8,800.00 | 7,232.63 | 7,225.32 | 7,223.04 | 30.36 | 14.88 | 180.38 | -20.56 | 104.67 | 1,162.85 | 1,117.71 | 45.14 | 25.760 | | |
| 8,900.00 | 7,230.50 | 7,224.56 | 7,222.29 | 31.91 | 14.87 | 180.73 | -20.55 | 104.66 | 1,257.00 | 1,210.23 | 46.78 | 26.873 | | |
| 9,000.00 | 7,228.38 | 7,223.81 | 7,221.54 | 33.49 | 14.87 | 181.08 | -20.54 | 104.66 | 1,351.99 | 1,303.54 | 48.45 | 27.906 | | |
| 9,100.00 | 7,226.25 | 7,223.05 | 7,220.78 | 35.11 | 14.87 | 181.43 | -20.53 | 104.65 | 1,447.66 | 1,397.51 | 50.15 | 28.866 | | |
| 9,200.00 | 7,224.12 | 7,222.30 | 7,220.03 | 36.75 | 14.87 | 181.78 | -20.52 | 104.64 | 1,543.87 | 1,491.99 | 51.88 | 29.758 | | |
| 9,300.00 | 7,221.99 | 7,221.55 | 7,219.28 | 38.41 | 14.87 | 182.13 | -20.51 | 104.63 | 1,640.54 | 1,586.90 | 53.63 | 30.587 | | |
| 9,400.00 | 7,219.86 | 7,220.80 | 7,218.53 | 40.10 | 14.87 | 182.48 | -20.50 | 104.62 | 1,737.58 | 1,682.17 | 55.41 | 31.360 | | |
| 9,500.00 | 7,217.74 | 7,220.06 | 7,217.79 | 41.80 | 14.87 | 182.83 | -20.49 | 104.61 | 1,834.94 | 1,777.74 | 57.20 | 32.079 | | |
| 9,600.00 | 7,215.61 | 7,219.31 | 7,217.04 | 43.53 | 14.87 | 183.18 | -20.48 | 104.61 | 1,932.57 | 1,873.56 | 59.01 | 32.751 | | |
| 9,700.00 | 7,213.48 | 7,218.57 | 7,216.30 | 45.26 | 14.87 | 183.53 | -20.47 | 104.60 | 2,030.43 | 1,969.60 | 60.83 | 33.379 | | |
| 9,800.00 | 7,211.35 | 7,217.82 | 7,215.55 | 47.01 | 14.87 | 183.88 | -20.46 | 104.59 | 2,128.49 | 2,065.82 | 62.66 | 33.967 | | |
| 9,900.00 | 7,209.22 | 7,217.08 | 7,214.81 | 48.77 | 14.87 | 184.23 | -20.45 | 104.58 | 2,226.72 | 2,162.21 | 64.51 | 34.518 | | |
| 10,000.00 | 7,207.10 | 7,216.34 | 7,214.07 | 50.54 | 14.87 | 184.58 | -20.44 | 104.57 | 2,325.10 | 2,258.74 | 66.36 | 35.036 | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|--------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | | | Semi Major Axis | | | Distance | | | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | |
| 10,100.00 | 7,204.97 | 7,215.60 | 7,213.33 | 52.32 | 14.87 | 88.11 | -20.43 | 104.56 | 2,423.61 | 2,355.39 | 68.23 | 35.524 | | | |
| 10,200.00 | 7,202.84 | 7,214.86 | 7,212.59 | 54.11 | 14.87 | 88.00 | -20.42 | 104.56 | 2,522.24 | 2,452.15 | 70.10 | 35.983 | | | |
| 10,300.00 | 7,200.71 | 7,214.13 | 7,211.86 | 55.91 | 14.87 | 87.90 | -20.41 | 104.55 | 2,620.98 | 2,549.00 | 71.97 | 36.416 | | | |
| 10,400.00 | 7,198.59 | 7,213.39 | 7,211.12 | 57.72 | 14.87 | 87.80 | -20.40 | 104.54 | 2,719.80 | 2,645.95 | 73.86 | 36.825 | | | |
| 10,500.00 | 7,196.46 | 7,212.66 | 7,210.39 | 59.53 | 14.87 | 87.69 | -20.39 | 104.53 | 2,818.71 | 2,742.97 | 75.75 | 37.213 | | | |
| 10,600.00 | 7,194.33 | 7,211.93 | 7,209.66 | 61.34 | 14.87 | 87.59 | -20.38 | 104.52 | 2,917.70 | 2,840.06 | 77.64 | 37.580 | | | |
| 10,700.00 | 7,192.20 | 7,211.19 | 7,208.92 | 63.17 | 14.86 | 87.49 | -20.37 | 104.51 | 3,016.75 | 2,937.21 | 79.54 | 37.928 | | | |
| 10,800.00 | 7,190.07 | 7,210.46 | 7,208.19 | 64.99 | 14.86 | 87.39 | -20.36 | 104.51 | 3,115.86 | 3,034.42 | 81.44 | 38.259 | | | |
| 10,900.00 | 7,187.95 | 7,209.74 | 7,207.47 | 66.83 | 14.86 | 87.28 | -20.35 | 104.50 | 3,215.02 | 3,131.67 | 83.35 | 38.573 | | | |
| 11,000.00 | 7,185.82 | 7,209.01 | 7,206.74 | 68.66 | 14.86 | 87.18 | -20.34 | 104.49 | 3,314.24 | 3,228.98 | 85.26 | 38.873 | | | |
| 11,100.00 | 7,183.69 | 7,208.28 | 7,206.01 | 70.50 | 14.86 | 87.08 | -20.33 | 104.48 | 3,413.50 | 3,326.33 | 87.17 | 39.159 | | | |
| 11,200.00 | 7,181.56 | 7,207.56 | 7,205.29 | 72.35 | 14.86 | 86.98 | -20.32 | 104.47 | 3,512.80 | 3,423.72 | 89.09 | 39.431 | | | |
| 11,300.00 | 7,179.44 | 7,206.83 | 7,204.56 | 74.19 | 14.86 | 86.88 | -20.31 | 104.46 | 3,612.14 | 3,521.14 | 91.00 | 39.692 | | | |
| 11,400.00 | 7,177.31 | 7,206.11 | 7,203.84 | 76.04 | 14.86 | 86.78 | -20.30 | 104.46 | 3,711.52 | 3,618.59 | 92.92 | 39.941 | | | |
| 11,500.00 | 7,175.18 | 7,205.39 | 7,203.12 | 77.90 | 14.86 | 86.67 | -20.29 | 104.45 | 3,810.93 | 3,716.08 | 94.85 | 40.180 | | | |
| 11,600.00 | 7,173.05 | 7,204.67 | 7,202.40 | 79.75 | 14.86 | 86.57 | -20.28 | 104.44 | 3,910.37 | 3,813.60 | 96.77 | 40.408 | | | |
| 11,700.00 | 7,170.92 | 7,203.95 | 7,201.68 | 81.61 | 14.86 | 86.47 | -20.27 | 104.43 | 4,009.83 | 3,911.14 | 98.70 | 40.627 | | | |
| 11,800.00 | 7,168.80 | 7,203.23 | 7,200.96 | 83.47 | 14.86 | 86.37 | -20.26 | 104.42 | 4,109.33 | 4,008.70 | 100.63 | 40.838 | | | |
| 11,837.41 | 7,168.00 | 7,202.97 | 7,200.70 | 84.17 | 14.86 | 86.34 | -20.25 | 104.42 | 4,146.56 | 4,045.21 | 101.35 | 40.915 | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | | |
|--------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|---|---------|--------------------|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | | WELD_CAMP 5 PAD - HSR-CAMPBELL 12-26A offset - HSR-CAMPBELL 12-26A - HSR-CAMPBELL 1 | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -125.26 | -2,662.29 | -3,766.27 | 4,612.84 | | | | | | | |
| 100.00 | 100.00 | 21.01 | 21.01 | 0.08 | 0.03 | -125.26 | -2,662.28 | -3,766.29 | 4,612.24 | 4,612.12 | 0.11 | N/A | | | | |
| 200.00 | 200.00 | 107.58 | 107.58 | 0.31 | 0.14 | -125.25 | -2,662.03 | -3,766.75 | 4,612.49 | 4,612.04 | 0.45 | N/A | | | | |
| 300.00 | 300.00 | 221.24 | 221.24 | 0.53 | 0.32 | -125.25 | -2,661.87 | -3,767.06 | 4,612.63 | 4,611.78 | 0.85 | 5,425.810 | | | | |
| 400.00 | 400.00 | 302.46 | 302.46 | 0.76 | 0.45 | -125.24 | -2,661.87 | -3,767.36 | 4,612.92 | 4,611.71 | 1.21 | 3,803.266 | | | | |
| 500.00 | 500.00 | 427.10 | 427.10 | 0.98 | 0.72 | -125.24 | -2,661.59 | -3,767.73 | 4,613.01 | 4,611.31 | 1.70 | 2,712.647 | | | | |
| 513.43 | 513.43 | 438.44 | 438.43 | 1.01 | 0.74 | -125.24 | -2,661.56 | -3,767.74 | 4,613.00 | 4,611.25 | 1.76 | 2,627.866 | | | | |
| 600.00 | 600.00 | 514.33 | 514.32 | 1.21 | 0.91 | -125.24 | -2,661.51 | -3,767.91 | 4,613.13 | 4,611.01 | 2.12 | 2,177.744 | | | | |
| 700.00 | 700.00 | 614.59 | 614.59 | 1.43 | 1.15 | -125.23 | -2,661.52 | -3,768.13 | 4,613.31 | 4,610.72 | 2.59 | 1,784.590 | | | | |
| 800.00 | 800.00 | 700.00 | 699.99 | 1.66 | 1.37 | -125.23 | -2,661.52 | -3,768.64 | 4,613.78 | 4,610.75 | 3.02 | 1,525.468 | | | | |
| 900.00 | 900.00 | 813.13 | 813.12 | 1.88 | 1.66 | -125.23 | -2,661.42 | -3,769.30 | 4,614.21 | 4,610.67 | 3.54 | 1,304.317 | | | | |
| 1,000.00 | 1,000.00 | 900.00 | 899.99 | 2.11 | 1.88 | -125.22 | -2,661.39 | -3,769.88 | 4,614.72 | 4,610.73 | 3.98 | 1,158.256 | | | | |
| 1,100.00 | 1,100.00 | 1,013.64 | 1,013.63 | 2.33 | 2.17 | -125.22 | -2,661.41 | -3,770.54 | 4,615.21 | 4,610.71 | 4.50 | 1,024.968 | | | | |
| 1,200.00 | 1,200.00 | 1,100.00 | 1,099.99 | 2.56 | 2.40 | -125.21 | -2,661.36 | -3,770.88 | 4,615.52 | 4,610.56 | 4.95 | 931.755 | | | | |
| 1,300.00 | 1,300.00 | 1,177.88 | 1,177.86 | 2.78 | 2.60 | -125.21 | -2,661.37 | -3,771.52 | 4,616.22 | 4,610.84 | 5.38 | 857.846 | | | | |
| 1,400.00 | 1,399.98 | 1,263.42 | 1,263.40 | 3.00 | 2.82 | -161.59 | -2,661.55 | -3,772.68 | 4,619.10 | 4,613.27 | 5.82 | 792.986 | | | | |
| 1,500.00 | 1,499.84 | 1,360.96 | 1,360.93 | 3.23 | 3.05 | -161.57 | -2,662.13 | -3,773.92 | 4,625.44 | 4,619.17 | 6.28 | 736.736 | | | | |
| 1,600.00 | 1,599.45 | 1,453.55 | 1,453.51 | 3.45 | 3.27 | -161.54 | -2,662.93 | -3,774.97 | 4,635.13 | 4,628.42 | 6.71 | 690.812 | | | | |
| 1,700.00 | 1,698.70 | 1,547.46 | 1,547.40 | 3.69 | 3.50 | -161.50 | -2,663.66 | -3,776.33 | 4,648.31 | 4,641.17 | 7.15 | 650.465 | | | | |
| 1,800.00 | 1,797.61 | 1,644.68 | 1,644.61 | 3.95 | 3.74 | -161.53 | -2,664.40 | -3,777.75 | 4,663.89 | 4,656.28 | 7.61 | 613.135 | | | | |
| 1,900.00 | 1,896.51 | 1,739.03 | 1,738.95 | 4.22 | 3.98 | -161.58 | -2,665.17 | -3,779.20 | 4,679.68 | 4,671.61 | 8.07 | 579.844 | | | | |
| 2,000.00 | 1,995.40 | 1,834.95 | 1,834.85 | 4.51 | 4.23 | -161.63 | -2,665.72 | -3,780.91 | 4,695.53 | 4,686.99 | 8.55 | 549.447 | | | | |
| 2,100.00 | 2,094.30 | 1,957.65 | 1,957.53 | 4.80 | 4.54 | -161.69 | -2,666.52 | -3,782.96 | 4,711.38 | 4,702.28 | 9.09 | 518.123 | | | | |
| 2,200.00 | 2,193.19 | 2,053.13 | 2,053.00 | 5.10 | 4.79 | -161.74 | -2,666.59 | -3,784.21 | 4,726.58 | 4,717.01 | 9.57 | 493.728 | | | | |
| 2,300.00 | 2,292.09 | 2,152.00 | 2,151.86 | 5.41 | 5.04 | -161.79 | -2,667.24 | -3,785.69 | 4,742.26 | 4,732.19 | 10.06 | 471.208 | | | | |
| 2,400.00 | 2,390.98 | 2,262.11 | 2,261.96 | 5.72 | 5.33 | -161.85 | -2,667.66 | -3,786.89 | 4,757.43 | 4,746.85 | 10.59 | 449.335 | | | | |
| 2,500.00 | 2,489.88 | 2,343.25 | 2,343.09 | 6.04 | 5.55 | -161.89 | -2,667.85 | -3,788.03 | 4,772.82 | 4,761.78 | 11.04 | 432.280 | | | | |
| 2,600.00 | 2,588.77 | 2,432.53 | 2,432.35 | 6.36 | 5.78 | -161.93 | -2,668.03 | -3,789.79 | 4,788.61 | 4,777.09 | 11.52 | 415.835 | | | | |
| 2,700.00 | 2,687.67 | 2,550.64 | 2,550.43 | 6.68 | 6.08 | -161.97 | -2,667.34 | -3,792.40 | 4,804.15 | 4,792.09 | 12.06 | 398.502 | | | | |
| 2,800.00 | 2,786.56 | 2,709.15 | 2,708.89 | 7.01 | 6.44 | -162.01 | -2,664.98 | -3,795.63 | 4,819.10 | 4,806.44 | 12.66 | 380.698 | | | | |
| 2,900.00 | 2,885.46 | 2,790.49 | 2,790.21 | 7.34 | 6.61 | -162.03 | -2,663.41 | -3,797.00 | 4,833.45 | 4,820.37 | 13.08 | 369.668 | | | | |
| 3,000.00 | 2,984.36 | 2,911.04 | 2,910.71 | 7.67 | 6.87 | -162.06 | -2,661.12 | -3,798.98 | 4,847.79 | 4,834.21 | 13.58 | 357.057 | | | | |
| 3,100.00 | 3,083.25 | 3,015.78 | 3,015.43 | 8.00 | 7.09 | -162.09 | -2,659.01 | -3,800.37 | 4,861.80 | 4,847.76 | 14.04 | 346.329 | | | | |
| 3,200.00 | 3,182.15 | 3,109.98 | 3,109.59 | 8.34 | 7.28 | -162.11 | -2,657.07 | -3,801.67 | 4,875.83 | 4,861.35 | 14.48 | 336.692 | | | | |
| 3,300.00 | 3,281.04 | 3,210.21 | 3,209.79 | 8.67 | 7.50 | -162.14 | -2,654.99 | -3,803.07 | 4,889.88 | 4,874.93 | 14.94 | 327.218 | | | | |
| 3,400.00 | 3,379.94 | 3,300.00 | 3,299.57 | 9.01 | 7.70 | -162.16 | -2,653.67 | -3,804.11 | 4,904.07 | 4,888.68 | 15.39 | 318.580 | | | | |
| 3,500.00 | 3,478.83 | 3,380.56 | 3,380.12 | 9.35 | 7.90 | -162.20 | -2,653.20 | -3,804.81 | 4,918.55 | 4,902.70 | 15.84 | 310.468 | | | | |
| 3,600.00 | 3,577.73 | 3,496.82 | 3,496.39 | 9.69 | 8.10 | -162.26 | -2,653.60 | -3,805.05 | 4,933.05 | 4,916.76 | 16.29 | 302.850 | | | | |
| 3,700.00 | 3,676.62 | 3,600.00 | 3,599.56 | 10.03 | 8.14 | -162.33 | -2,654.26 | -3,804.40 | 4,947.04 | 4,930.47 | 16.57 | 298.488 | | | | |
| 3,800.00 | 3,775.52 | 3,673.21 | 3,672.76 | 10.37 | 8.19 | -162.37 | -2,654.82 | -3,804.06 | 4,961.32 | 4,944.45 | 16.87 | 294.004 | | | | |
| 3,900.00 | 3,874.41 | 3,747.61 | 3,747.16 | 10.72 | 8.28 | -162.42 | -2,655.92 | -3,804.08 | 4,976.33 | 4,959.12 | 17.21 | 289.145 | | | | |
| 4,000.00 | 3,973.31 | 3,847.44 | 3,846.98 | 11.06 | 8.41 | -162.49 | -2,657.56 | -3,804.26 | 4,991.59 | 4,973.99 | 17.60 | 283.633 | | | | |
| 4,100.00 | 4,072.20 | 3,944.91 | 3,944.43 | 11.40 | 8.55 | -162.55 | -2,659.20 | -3,804.19 | 5,006.67 | 4,988.69 | 17.99 | 278.368 | | | | |
| 4,200.00 | 4,171.10 | 4,030.66 | 4,030.16 | 11.75 | 8.68 | -162.61 | -2,660.74 | -3,804.37 | 5,022.05 | 5,003.68 | 18.37 | 273.413 | | | | |
| 4,300.00 | 4,269.99 | 4,134.14 | 4,133.63 | 12.09 | 8.87 | -162.68 | -2,662.46 | -3,804.75 | 5,037.48 | 5,018.68 | 18.80 | 267.931 | | | | |
| 4,400.00 | 4,368.89 | 4,232.43 | 4,231.91 | 12.44 | 9.07 | -162.73 | -2,663.59 | -3,805.32 | 5,052.79 | 5,033.54 | 19.25 | 262.426 | | | | |
| 4,500.00 | 4,467.78 | 4,313.57 | 4,313.05 | 12.78 | 9.26 | -162.77 | -2,664.09 | -3,806.37 | 5,068.35 | 5,048.65 | 19.70 | 257.302 | | | | |
| 4,600.00 | 4,566.68 | 4,400.00 | 4,399.45 | 13.13 | 9.49 | -162.80 | -2,664.23 | -3,808.13 | 5,084.23 | 5,064.06 | 20.17 | 252.043 | | | | |
| 4,700.00 | 4,665.57 | 4,489.72 | 4,489.15 | 13.48 | 9.72 | -162.84 | -2,664.29 | -3,810.25 | 5,100.32 | 5,079.67 | 20.66 | 246.925 | | | | |
| 4,800.00 | 4,764.47 | 4,613.21 | 4,612.61 | 13.82 | 10.04 | -162.88 | -2,664.15 | -3,813.04 | 5,116.22 | 5,095.00 | 21.22 | 241.078 | | | | |
| 4,900.00 | 4,863.36 | 4,717.26 | 4,716.63 | 14.17 | 10.30 | -162.91 | -2,663.66 | -3,815.36 | 5,131.91 | 5,110.17 | 21.74 | 236.100 | | | | |
| 5,000.00 | 4,962.26 | 4,894.35 | 4,893.69 | 14.52 | 10.70 | -162.96 | -2,662.17 | -3,817.90 | 5,146.73 | 5,124.35 | 22.39 | 229.886 | | | | |

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

Anadarko Petroleum Corp Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|--------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Reference | | | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 5,100.00 | 5,061.15 | 5,006.83 | 5,006.16 | 14.87 | 10.89 | -163.01 | -2,661.16 | -3,818.25 | 5,160.63 | 5,137.80 | 22.83 | 226.046 | | |
| 5,200.00 | 5,160.05 | 5,100.00 | 5,099.34 | 15.21 | 11.05 | -163.04 | -2,660.41 | -3,818.46 | 5,174.53 | 5,151.29 | 23.24 | 222.684 | | |
| 5,300.00 | 5,258.94 | 5,168.28 | 5,167.61 | 15.56 | 11.20 | -163.07 | -2,659.89 | -3,818.90 | 5,188.76 | 5,165.13 | 23.64 | 219.519 | | |
| 5,400.00 | 5,357.84 | 5,287.49 | 5,286.82 | 15.91 | 11.44 | -163.11 | -2,659.22 | -3,819.83 | 5,203.29 | 5,179.15 | 24.13 | 215.598 | | |
| 5,500.00 | 5,456.73 | 5,370.63 | 5,369.95 | 16.26 | 11.61 | -163.15 | -2,658.85 | -3,820.12 | 5,217.50 | 5,192.95 | 24.55 | 212.484 | | |
| 5,600.00 | 5,555.63 | 5,480.42 | 5,479.74 | 16.61 | 11.78 | -163.19 | -2,658.37 | -3,820.80 | 5,231.95 | 5,206.97 | 24.98 | 209.485 | | |
| 5,700.00 | 5,654.52 | 5,590.67 | 5,589.99 | 16.96 | 11.83 | -163.25 | -2,658.40 | -3,820.61 | 5,246.03 | 5,220.75 | 25.28 | 207.507 | | |
| 5,800.00 | 5,753.42 | 5,661.87 | 5,661.19 | 17.31 | 11.91 | -163.28 | -2,658.50 | -3,820.56 | 5,260.28 | 5,234.66 | 25.61 | 205.362 | | |
| 5,900.00 | 5,852.31 | 5,807.85 | 5,807.17 | 17.66 | 12.11 | -163.35 | -2,658.65 | -3,820.69 | 5,274.74 | 5,248.68 | 26.06 | 202.391 | | |
| 6,000.00 | 5,951.21 | 5,900.00 | 5,899.32 | 18.01 | 12.16 | -163.39 | -2,658.43 | -3,820.15 | 5,288.36 | 5,262.00 | 26.37 | 200.579 | | |
| 6,100.00 | 6,050.10 | 5,977.97 | 5,977.28 | 18.36 | 12.21 | -163.43 | -2,658.62 | -3,819.67 | 5,302.26 | 5,275.59 | 26.67 | 198.798 | | |
| 6,200.00 | 6,149.00 | 6,051.02 | 6,050.34 | 18.71 | 12.29 | -163.48 | -2,659.21 | -3,819.42 | 5,316.69 | 5,289.69 | 27.00 | 196.897 | | |
| 6,300.00 | 6,247.89 | 6,158.64 | 6,157.94 | 19.06 | 12.42 | -163.54 | -2,660.34 | -3,819.30 | 5,331.48 | 5,304.10 | 27.38 | 194.692 | | |
| 6,400.00 | 6,346.79 | 6,275.54 | 6,274.85 | 19.41 | 12.53 | -163.60 | -2,661.15 | -3,818.69 | 5,345.70 | 5,317.95 | 27.75 | 192.628 | | |
| 6,500.00 | 6,445.68 | 6,354.44 | 6,353.74 | 19.76 | 12.62 | -163.64 | -2,661.77 | -3,818.28 | 5,360.02 | 5,331.93 | 28.09 | 190.825 | | |
| 6,600.00 | 6,544.58 | 6,445.80 | 6,445.09 | 20.11 | 12.74 | -163.70 | -2,662.86 | -3,818.04 | 5,374.75 | 5,346.29 | 28.46 | 188.821 | | |
| 6,700.00 | 6,643.53 | 6,561.58 | 6,560.87 | 20.44 | 12.94 | -177.08 | -2,663.17 | -3,818.19 | 5,388.92 | 5,359.97 | 28.95 | 186.157 | | |
| 6,800.00 | 6,743.00 | 6,654.00 | 6,653.28 | 20.62 | 13.13 | 94.32 | -2,662.24 | -3,819.08 | 5,395.39 | 5,366.09 | 29.30 | 184.137 | | |
| 6,900.00 | 6,840.75 | 6,743.83 | 6,743.08 | 20.64 | 13.32 | 71.13 | -2,660.74 | -3,820.66 | 5,391.51 | 5,362.13 | 29.37 | 183.558 | | |
| 7,000.00 | 6,933.82 | 6,836.25 | 6,835.47 | 20.54 | 13.53 | 66.01 | -2,658.99 | -3,822.46 | 5,377.33 | 5,348.07 | 29.27 | 183.729 | | |
| 7,100.00 | 7,019.36 | 6,915.95 | 6,915.14 | 20.31 | 13.70 | 65.53 | -2,657.64 | -3,823.94 | 5,353.58 | 5,324.45 | 29.13 | 183.763 | | |
| 7,200.00 | 7,094.79 | 6,982.63 | 6,981.81 | 20.01 | 13.86 | 67.32 | -2,656.75 | -3,825.11 | 5,321.33 | 5,292.16 | 29.17 | 182.426 | | |
| 7,300.00 | 7,157.81 | 7,034.68 | 7,033.85 | 19.66 | 13.98 | 70.63 | -2,656.22 | -3,826.00 | 5,281.86 | 5,252.36 | 29.50 | 179.032 | | |
| 7,400.00 | 7,206.51 | 7,073.67 | 7,072.83 | 19.29 | 14.07 | 75.12 | -2,655.92 | -3,826.69 | 5,236.67 | 5,206.56 | 30.12 | 173.881 | | |
| 7,500.00 | 7,239.40 | 7,100.00 | 7,099.16 | 18.94 | 14.14 | 80.50 | -2,655.77 | -3,827.16 | 5,187.35 | 5,156.50 | 30.85 | 168.157 | | |
| 7,600.00 | 7,255.49 | 7,111.94 | 7,111.10 | 18.63 | 14.17 | 86.43 | -2,655.71 | -3,827.39 | 5,135.54 | 5,104.05 | 31.48 | 163.123 | | |
| 7,700.00 | 7,256.04 | 7,112.02 | 7,111.17 | 18.39 | 14.17 | 89.82 | -2,655.71 | -3,827.39 | 5,083.00 | 5,051.14 | 31.86 | 159.522 | | |
| 7,800.00 | 7,253.91 | 7,100.00 | 7,099.16 | 18.51 | 14.14 | 89.66 | -2,655.77 | -3,827.16 | 5,031.66 | 4,999.42 | 32.24 | 156.050 | | |
| 7,900.00 | 7,251.78 | 7,100.00 | 7,099.16 | 19.20 | 14.14 | 89.66 | -2,655.77 | -3,827.16 | 4,981.79 | 4,948.94 | 32.85 | 151.673 | | |
| 8,000.00 | 7,249.65 | 7,100.00 | 7,099.16 | 20.08 | 14.14 | 89.66 | -2,655.77 | -3,827.16 | 4,933.44 | 4,899.82 | 33.62 | 146.755 | | |
| 8,100.00 | 7,247.53 | 7,100.00 | 7,099.16 | 21.07 | 14.14 | 89.66 | -2,655.77 | -3,827.16 | 4,886.65 | 4,852.04 | 34.61 | 141.189 | | |
| 8,200.00 | 7,245.40 | 7,100.00 | 7,099.16 | 22.17 | 14.14 | 89.66 | -2,655.77 | -3,827.16 | 4,841.48 | 4,805.73 | 35.75 | 135.421 | | |
| 8,300.00 | 7,243.27 | 7,100.00 | 7,099.16 | 23.36 | 14.14 | 89.66 | -2,655.77 | -3,827.16 | 4,797.97 | 4,760.97 | 37.00 | 129.659 | | |
| 8,400.00 | 7,241.14 | 7,100.00 | 7,099.16 | 24.64 | 14.14 | 89.66 | -2,655.77 | -3,827.16 | 4,756.16 | 4,717.81 | 38.35 | 124.008 | | |
| 8,500.00 | 7,239.01 | 7,100.00 | 7,099.16 | 25.98 | 14.14 | 89.66 | -2,655.77 | -3,827.16 | 4,716.11 | 4,676.32 | 39.78 | 118.540 | | |
| 8,600.00 | 7,236.89 | 7,093.10 | 7,092.25 | 27.39 | 14.12 | 89.57 | -2,655.80 | -3,827.04 | 4,677.84 | 4,636.59 | 41.25 | 113.391 | | |
| 8,700.00 | 7,234.76 | 7,090.78 | 7,089.94 | 28.85 | 14.11 | 89.54 | -2,655.82 | -3,827.00 | 4,641.41 | 4,598.61 | 42.80 | 108.436 | | |
| 8,800.00 | 7,232.63 | 7,088.45 | 7,087.61 | 30.36 | 14.11 | 89.51 | -2,655.83 | -3,826.95 | 4,606.87 | 4,562.47 | 44.40 | 103.753 | | |
| 8,900.00 | 7,230.50 | 7,086.09 | 7,085.25 | 31.91 | 14.10 | 89.48 | -2,655.84 | -3,826.91 | 4,574.25 | 4,528.20 | 46.04 | 99.345 | | |
| 9,000.00 | 7,228.38 | 7,083.71 | 7,082.87 | 33.49 | 14.10 | 89.45 | -2,655.86 | -3,826.87 | 4,543.59 | 4,495.87 | 47.72 | 95.209 | | |
| 9,100.00 | 7,226.25 | 7,081.31 | 7,080.47 | 35.11 | 14.09 | 89.42 | -2,655.87 | -3,826.82 | 4,514.94 | 4,465.51 | 49.43 | 91.336 | | |
| 9,200.00 | 7,224.12 | 7,078.88 | 7,078.04 | 36.75 | 14.09 | 89.38 | -2,655.89 | -3,826.78 | 4,488.34 | 4,437.17 | 51.17 | 87.716 | | |
| 9,300.00 | 7,221.99 | 7,076.43 | 7,075.59 | 38.41 | 14.08 | 89.35 | -2,655.90 | -3,826.74 | 4,463.81 | 4,410.88 | 52.93 | 84.335 | | |
| 9,400.00 | 7,219.86 | 7,073.95 | 7,073.11 | 40.10 | 14.07 | 89.32 | -2,655.92 | -3,826.69 | 4,441.40 | 4,386.69 | 54.71 | 81.180 | | |
| 9,500.00 | 7,217.74 | 7,071.45 | 7,070.61 | 41.80 | 14.07 | 89.29 | -2,655.93 | -3,826.65 | 4,421.14 | 4,364.63 | 56.51 | 78.237 | | |
| 9,600.00 | 7,215.61 | 7,068.92 | 7,068.08 | 43.53 | 14.06 | 89.25 | -2,655.95 | -3,826.60 | 4,403.06 | 4,344.73 | 58.32 | 75.492 | | |
| 9,700.00 | 7,213.48 | 7,066.36 | 7,065.52 | 45.26 | 14.05 | 89.22 | -2,655.97 | -3,826.56 | 4,387.18 | 4,327.02 | 60.15 | 72.933 | | |
| 9,800.00 | 7,211.35 | 7,063.78 | 7,062.94 | 47.01 | 14.05 | 89.18 | -2,655.99 | -3,826.51 | 4,373.52 | 4,311.53 | 61.99 | 70.547 | | |
| 9,900.00 | 7,209.22 | 7,061.17 | 7,060.33 | 48.77 | 14.04 | 89.15 | -2,656.01 | -3,826.46 | 4,362.12 | 4,298.27 | 63.85 | 68.322 | | |
| 10,000.00 | 7,207.10 | 7,058.53 | 7,057.70 | 50.54 | 14.04 | 89.12 | -2,656.02 | -3,826.42 | 4,352.98 | 4,287.27 | 65.71 | 66.247 | | |
| 10,100.00 | 7,204.97 | 7,055.87 | 7,055.03 | 52.32 | 14.03 | 89.08 | -2,656.04 | -3,826.37 | 4,346.12 | 4,278.54 | 67.58 | 64.312 | | |
| 10,200.00 | 7,202.84 | 7,053.18 | 7,052.34 | 54.11 | 14.02 | 89.04 | -2,656.07 | -3,826.32 | 4,341.55 | 4,272.10 | 69.46 | 62.507 | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|--------------------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | | | Offset | | Semi Major Axis | | | Distance | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | |
| 10,300.00 | 7,200.71 | 7,050.46 | 7,049.62 | 55.91 | 14.02 | 89.01 | -2,656.09 | -3,826.27 | 4,339.28 | 4,267.94 | 71.34 | 60.823 | | | |
| 10,348.54 | 7,199.68 | 7,049.13 | 7,048.29 | 56.79 | 14.01 | 88.99 | -2,656.10 | -3,826.25 | 4,339.01 | 4,266.71 | 72.31 | 60.009 CC | | | |
| 10,400.00 | 7,198.59 | 7,047.71 | 7,046.87 | 57.72 | 14.01 | 88.97 | -2,656.11 | -3,826.23 | 4,339.32 | 4,266.08 | 73.23 | 59.252 ES | | | |
| 10,500.00 | 7,196.46 | 7,044.93 | 7,044.09 | 59.53 | 14.00 | 88.94 | -2,656.13 | -3,826.18 | 4,341.65 | 4,266.52 | 75.13 | 57.787 | | | |
| 10,600.00 | 7,194.33 | 7,042.12 | 7,041.28 | 61.34 | 14.00 | 88.90 | -2,656.15 | -3,826.13 | 4,346.29 | 4,269.25 | 77.03 | 56.420 | | | |
| 10,700.00 | 7,192.20 | 7,039.28 | 7,038.44 | 63.17 | 13.99 | 88.86 | -2,656.18 | -3,826.08 | 4,353.21 | 4,274.27 | 78.94 | 55.144 | | | |
| 10,800.00 | 7,190.07 | 7,036.41 | 7,035.57 | 64.99 | 13.98 | 88.82 | -2,656.20 | -3,826.03 | 4,362.42 | 4,281.56 | 80.85 | 53.954 | | | |
| 10,900.00 | 7,187.95 | 7,033.50 | 7,032.67 | 66.83 | 13.98 | 88.78 | -2,656.23 | -3,825.98 | 4,373.89 | 4,291.12 | 82.77 | 52.844 | | | |
| 11,000.00 | 7,185.82 | 7,030.57 | 7,029.74 | 68.66 | 13.97 | 88.75 | -2,656.25 | -3,825.93 | 4,387.61 | 4,302.92 | 84.69 | 51.809 | | | |
| 11,100.00 | 7,183.69 | 7,027.60 | 7,026.77 | 70.50 | 13.96 | 88.71 | -2,656.28 | -3,825.87 | 4,403.55 | 4,316.94 | 86.61 | 50.843 | | | |
| 11,200.00 | 7,181.56 | 7,024.60 | 7,023.77 | 72.35 | 13.95 | 88.67 | -2,656.31 | -3,825.82 | 4,421.70 | 4,333.16 | 88.54 | 49.942 | | | |
| 11,300.00 | 7,179.44 | 7,021.57 | 7,020.74 | 74.19 | 13.95 | 88.63 | -2,656.34 | -3,825.77 | 4,442.02 | 4,351.56 | 90.47 | 49.102 | | | |
| 11,400.00 | 7,177.31 | 7,018.50 | 7,017.67 | 76.04 | 13.94 | 88.59 | -2,656.36 | -3,825.72 | 4,464.49 | 4,372.09 | 92.40 | 48.319 | | | |
| 11,500.00 | 7,175.18 | 7,015.39 | 7,014.56 | 77.90 | 13.93 | 88.55 | -2,656.40 | -3,825.66 | 4,489.07 | 4,394.74 | 94.33 | 47.590 | | | |
| 11,600.00 | 7,173.05 | 7,012.25 | 7,011.43 | 79.75 | 13.92 | 88.50 | -2,656.43 | -3,825.61 | 4,515.73 | 4,419.47 | 96.26 | 46.910 | | | |
| 11,700.00 | 7,170.92 | 7,009.08 | 7,008.25 | 81.61 | 13.92 | 88.46 | -2,656.46 | -3,825.56 | 4,544.44 | 4,446.24 | 98.20 | 46.277 | | | |
| 11,800.00 | 7,168.80 | 7,005.87 | 7,005.04 | 83.47 | 13.91 | 88.42 | -2,656.49 | -3,825.50 | 4,575.14 | 4,475.00 | 100.14 | 45.688 | | | |
| 11,837.41 | 7,168.00 | 7,004.65 | 7,003.83 | 84.17 | 13.91 | 88.40 | -2,656.50 | -3,825.48 | 4,587.14 | 4,486.27 | 100.87 | 45.478 SF | | | |

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

Anadarko Petroleum Corp Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| WELD_CAMP 5 PAD - HSR-FOGELMAN 6-26 offset - HSR-FOGELMAN 6-26 - HSR-FOGELMAN 6-26 | | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | | | |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -118.35 | -1,301.86 | -2,412.94 | 2,742.42 | | | | | |
| 100.00 | 100.00 | 30.75 | 30.75 | 0.08 | 0.04 | -118.35 | -1,301.87 | -2,412.99 | 2,741.80 | 2,741.67 | 0.13 | N/A | CC | |
| 200.00 | 200.00 | 116.37 | 116.37 | 0.31 | 0.17 | -118.35 | -1,302.09 | -2,413.54 | 2,742.47 | 2,741.99 | 0.48 | 5,730.599 | | |
| 300.00 | 300.00 | 237.41 | 237.40 | 0.53 | 0.44 | -118.34 | -1,301.90 | -2,414.08 | 2,742.76 | 2,741.78 | 0.98 | 2,804.201 | | |
| 400.00 | 400.00 | 338.59 | 338.58 | 0.76 | 0.69 | -118.33 | -1,301.40 | -2,414.42 | 2,742.82 | 2,741.38 | 1.44 | 1,898.973 | | |
| 476.28 | 476.28 | 415.29 | 415.28 | 0.93 | 0.88 | -118.31 | -1,300.76 | -2,414.73 | 2,742.79 | 2,740.98 | 1.81 | 1,518.089 | | |
| 500.00 | 500.00 | 435.46 | 435.45 | 0.98 | 0.93 | -118.31 | -1,300.56 | -2,414.85 | 2,742.80 | 2,740.89 | 1.91 | 1,434.689 | | |
| 600.00 | 600.00 | 529.21 | 529.19 | 1.21 | 1.17 | -118.28 | -1,299.49 | -2,415.82 | 2,743.17 | 2,740.79 | 2.38 | 1,153.548 | | |
| 700.00 | 700.00 | 630.32 | 630.28 | 1.43 | 1.43 | -118.24 | -1,297.99 | -2,416.77 | 2,743.29 | 2,740.43 | 2.87 | 957.323 | | |
| 800.00 | 800.00 | 707.91 | 707.85 | 1.66 | 1.63 | -118.20 | -1,296.73 | -2,418.18 | 2,744.10 | 2,740.81 | 3.29 | 833.594 | | |
| 900.00 | 900.00 | 854.12 | 854.01 | 1.88 | 2.01 | -118.12 | -1,293.48 | -2,420.02 | 2,744.05 | 2,740.16 | 3.89 | 705.420 | | |
| 1,000.00 | 1,000.00 | 957.12 | 956.98 | 2.11 | 2.27 | -118.07 | -1,290.95 | -2,420.62 | 2,743.41 | 2,739.03 | 4.37 | 627.333 | | |
| 1,100.00 | 1,100.00 | 1,055.45 | 1,055.28 | 2.33 | 2.51 | -118.03 | -1,288.77 | -2,421.08 | 2,742.78 | 2,737.93 | 4.85 | 566.103 | | |
| 1,200.00 | 1,200.00 | 1,141.12 | 1,140.94 | 2.56 | 2.73 | -118.00 | -1,287.27 | -2,421.44 | 2,742.35 | 2,737.06 | 5.29 | 518.615 | | |
| 1,207.91 | 1,207.91 | 1,147.09 | 1,146.91 | 2.57 | 2.75 | -117.99 | -1,287.17 | -2,421.49 | 2,742.34 | 2,737.02 | 5.32 | 515.384 | | |
| 1,300.00 | 1,300.00 | 1,222.39 | 1,222.19 | 2.78 | 2.94 | -117.96 | -1,285.98 | -2,422.47 | 2,742.70 | 2,736.98 | 5.72 | 479.246 | ES | |
| 1,400.00 | 1,399.98 | 1,326.54 | 1,326.32 | 3.00 | 3.22 | -154.33 | -1,284.66 | -2,423.84 | 2,744.84 | 2,738.62 | 6.22 | 441.005 | | |
| 1,500.00 | 1,499.84 | 1,443.53 | 1,443.30 | 3.23 | 3.52 | -154.30 | -1,283.14 | -2,424.92 | 2,749.77 | 2,743.03 | 6.75 | 407.640 | | |
| 1,600.00 | 1,599.45 | 1,542.21 | 1,541.96 | 3.45 | 3.77 | -154.29 | -1,281.90 | -2,425.16 | 2,757.26 | 2,750.05 | 7.21 | 382.584 | | |
| 1,700.00 | 1,698.70 | 1,622.21 | 1,621.96 | 3.69 | 3.97 | -154.25 | -1,280.98 | -2,425.91 | 2,768.53 | 2,760.91 | 7.62 | 363.401 | | |
| 1,800.00 | 1,797.61 | 1,725.21 | 1,724.95 | 3.95 | 4.23 | -154.33 | -1,280.17 | -2,427.08 | 2,782.44 | 2,774.34 | 8.10 | 343.572 | | |
| 1,900.00 | 1,896.51 | 1,845.29 | 1,845.03 | 4.22 | 4.52 | -154.47 | -1,279.10 | -2,427.42 | 2,795.61 | 2,786.99 | 8.62 | 324.265 | | |
| 2,000.00 | 1,995.40 | 1,933.59 | 1,933.32 | 4.51 | 4.75 | -154.56 | -1,278.06 | -2,427.80 | 2,808.84 | 2,799.77 | 9.08 | 309.394 | | |
| 2,100.00 | 2,094.30 | 2,020.58 | 2,020.31 | 4.80 | 4.97 | -154.66 | -1,277.33 | -2,428.48 | 2,822.55 | 2,813.01 | 9.54 | 295.946 | | |
| 2,200.00 | 2,193.19 | 2,122.75 | 2,122.47 | 5.10 | 5.21 | -154.78 | -1,277.01 | -2,429.19 | 2,836.44 | 2,826.42 | 10.02 | 283.037 | | |
| 2,300.00 | 2,292.09 | 2,236.36 | 2,236.08 | 5.41 | 5.49 | -154.91 | -1,276.56 | -2,429.45 | 2,849.89 | 2,839.35 | 10.54 | 270.449 | | |
| 2,400.00 | 2,390.98 | 2,335.62 | 2,335.33 | 5.72 | 5.74 | -155.03 | -1,276.02 | -2,429.53 | 2,863.16 | 2,852.13 | 11.03 | 259.576 | | |
| 2,500.00 | 2,489.88 | 2,427.61 | 2,427.33 | 6.04 | 5.97 | -155.13 | -1,275.61 | -2,429.62 | 2,876.49 | 2,864.99 | 11.50 | 250.057 | | |
| 2,600.00 | 2,588.77 | 2,509.27 | 2,508.98 | 6.36 | 6.16 | -155.23 | -1,275.35 | -2,430.11 | 2,890.34 | 2,878.40 | 11.94 | 242.061 | | |
| 2,700.00 | 2,687.67 | 2,601.48 | 2,601.19 | 6.68 | 6.31 | -155.34 | -1,275.53 | -2,430.82 | 2,904.60 | 2,892.25 | 12.34 | 235.295 | | |
| 2,800.00 | 2,786.56 | 2,711.93 | 2,711.63 | 7.01 | 6.40 | -155.48 | -1,276.17 | -2,431.24 | 2,918.71 | 2,906.03 | 12.68 | 230.252 | | |
| 2,900.00 | 2,885.46 | 2,800.00 | 2,799.70 | 7.34 | 6.46 | -155.59 | -1,276.78 | -2,431.67 | 2,932.98 | 2,919.98 | 13.00 | 225.688 | | |
| 3,000.00 | 2,984.36 | 2,908.20 | 2,907.90 | 7.67 | 6.56 | -155.73 | -1,277.59 | -2,432.14 | 2,947.26 | 2,933.92 | 13.34 | 220.958 | | |
| 3,100.00 | 3,083.25 | 3,000.00 | 2,999.70 | 8.00 | 6.63 | -155.85 | -1,278.32 | -2,432.51 | 2,961.53 | 2,947.86 | 13.67 | 216.678 | | |
| 3,200.00 | 3,182.15 | 3,100.72 | 3,100.41 | 8.34 | 6.78 | -155.97 | -1,278.93 | -2,433.12 | 2,975.91 | 2,961.85 | 14.06 | 211.623 | | |
| 3,300.00 | 3,281.04 | 3,222.56 | 3,222.25 | 8.67 | 6.88 | -156.12 | -1,279.26 | -2,433.24 | 2,989.68 | 2,975.27 | 14.41 | 207.411 | | |
| 3,400.00 | 3,379.94 | 3,316.28 | 3,315.97 | 9.01 | 6.91 | -156.24 | -1,279.77 | -2,432.97 | 3,003.28 | 2,988.58 | 14.70 | 204.300 | | |
| 3,500.00 | 3,478.83 | 3,410.97 | 3,410.65 | 9.35 | 6.96 | -156.36 | -1,280.50 | -2,432.71 | 3,017.04 | 3,002.03 | 15.01 | 200.978 | | |
| 3,600.00 | 3,577.73 | 3,500.72 | 3,500.41 | 9.69 | 7.09 | -156.47 | -1,280.88 | -2,432.90 | 3,031.04 | 3,015.64 | 15.39 | 196.933 | | |
| 3,700.00 | 3,676.62 | 3,604.34 | 3,604.03 | 10.03 | 7.24 | -156.59 | -1,281.42 | -2,433.14 | 3,045.11 | 3,029.32 | 15.80 | 192.752 | | |
| 3,800.00 | 3,775.52 | 3,717.13 | 3,716.81 | 10.37 | 7.33 | -156.73 | -1,282.31 | -2,432.93 | 3,059.01 | 3,042.87 | 16.14 | 189.495 | | |
| 3,900.00 | 3,874.41 | 3,854.13 | 3,853.80 | 10.72 | 7.44 | -156.91 | -1,282.58 | -2,431.25 | 3,071.61 | 3,055.11 | 16.51 | 186.095 | | |
| 4,000.00 | 3,973.31 | 3,959.76 | 3,959.42 | 11.06 | 7.54 | -157.03 | -1,282.32 | -2,429.74 | 3,083.93 | 3,067.06 | 16.87 | 182.835 | | |
| 4,100.00 | 4,072.20 | 4,068.34 | 4,067.98 | 11.40 | 7.68 | -157.15 | -1,281.31 | -2,428.18 | 3,095.91 | 3,078.65 | 17.26 | 179.352 | | |
| 4,200.00 | 4,171.10 | 4,164.78 | 4,164.41 | 11.75 | 7.80 | -157.25 | -1,280.53 | -2,426.58 | 3,107.78 | 3,090.13 | 17.64 | 176.158 | | |
| 4,300.00 | 4,269.99 | 4,259.99 | 4,259.60 | 12.09 | 7.92 | -157.37 | -1,280.25 | -2,424.90 | 3,119.82 | 3,101.81 | 18.01 | 173.196 | | |
| 4,400.00 | 4,368.89 | 4,353.35 | 4,352.94 | 12.44 | 8.03 | -157.47 | -1,280.04 | -2,423.33 | 3,131.99 | 3,113.60 | 18.38 | 170.364 | | |
| 4,500.00 | 4,467.78 | 4,432.84 | 4,432.42 | 12.78 | 8.13 | -157.57 | -1,279.88 | -2,422.27 | 3,144.50 | 3,125.75 | 18.74 | 167.759 | | |
| 4,600.00 | 4,566.68 | 4,500.00 | 4,499.59 | 13.13 | 8.22 | -157.64 | -1,279.91 | -2,422.01 | 3,157.91 | 3,138.82 | 19.09 | 165.403 | | |
| 4,700.00 | 4,665.57 | 4,594.36 | 4,593.95 | 13.48 | 8.37 | -157.74 | -1,280.10 | -2,422.17 | 3,171.90 | 3,152.41 | 19.49 | 162.728 | | |
| 4,800.00 | 4,764.47 | 4,681.96 | 4,681.55 | 13.82 | 8.51 | -157.83 | -1,280.43 | -2,422.49 | 3,186.15 | 3,166.26 | 19.89 | 160.171 | | |
| 4,900.00 | 4,863.36 | 4,776.03 | 4,775.61 | 14.17 | 8.68 | -157.92 | -1,280.85 | -2,423.09 | 3,200.68 | 3,180.36 | 20.32 | 157.522 | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|--------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Reference | | | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 5,000.00 | 4,962.26 | 4,867.10 | 4,866.68 | 14.52 | 8.87 | -158.01 | -1,280.84 | -2,424.10 | 3,215.37 | 3,194.61 | 20.76 | 154.848 | | |
| 5,100.00 | 5,061.15 | 4,970.20 | 4,969.76 | 14.87 | 9.11 | -158.08 | -1,280.23 | -2,425.80 | 3,230.22 | 3,208.97 | 21.25 | 151.995 | | |
| 5,200.00 | 5,160.05 | 5,069.84 | 5,069.39 | 15.21 | 9.33 | -158.16 | -1,279.64 | -2,427.20 | 3,244.87 | 3,223.14 | 21.74 | 149.292 | | |
| 5,300.00 | 5,258.94 | 5,208.66 | 5,208.20 | 15.56 | 9.64 | -158.27 | -1,278.86 | -2,428.34 | 3,259.09 | 3,236.79 | 22.30 | 146.164 | | |
| 5,400.00 | 5,357.84 | 5,300.00 | 5,299.53 | 15.91 | 9.85 | -158.34 | -1,277.84 | -2,428.83 | 3,272.75 | 3,249.99 | 22.76 | 143.804 | | |
| 5,500.00 | 5,456.73 | 5,400.00 | 5,399.52 | 16.26 | 10.08 | -158.41 | -1,276.58 | -2,429.49 | 3,286.43 | 3,263.19 | 23.24 | 141.394 | | |
| 5,600.00 | 5,555.63 | 5,483.80 | 5,483.31 | 16.61 | 10.27 | -158.47 | -1,275.68 | -2,430.08 | 3,300.28 | 3,276.58 | 23.69 | 139.287 | | |
| 5,700.00 | 5,654.52 | 5,585.15 | 5,584.65 | 16.96 | 10.51 | -158.55 | -1,274.76 | -2,431.10 | 3,314.46 | 3,290.27 | 24.19 | 137.019 | | |
| 5,800.00 | 5,753.42 | 5,700.00 | 5,699.49 | 17.31 | 10.78 | -158.62 | -1,273.01 | -2,432.26 | 3,328.31 | 3,303.60 | 24.72 | 134.663 | | |
| 5,900.00 | 5,852.31 | 5,797.55 | 5,797.01 | 17.66 | 11.01 | -158.68 | -1,271.20 | -2,433.17 | 3,341.93 | 3,316.73 | 25.20 | 132.610 | | |
| 6,000.00 | 5,951.21 | 5,914.65 | 5,914.09 | 18.01 | 11.28 | -158.74 | -1,268.81 | -2,434.07 | 3,355.33 | 3,329.60 | 25.73 | 130.414 | | |
| 6,100.00 | 6,050.10 | 6,020.17 | 6,019.58 | 18.36 | 11.52 | -158.80 | -1,266.30 | -2,434.58 | 3,368.29 | 3,342.07 | 26.23 | 128.436 | | |
| 6,200.00 | 6,149.00 | 6,100.00 | 6,099.37 | 18.71 | 11.71 | -158.83 | -1,264.10 | -2,435.32 | 3,381.44 | 3,354.78 | 26.67 | 126.796 | | |
| 6,300.00 | 6,247.89 | 6,191.63 | 6,190.97 | 19.06 | 11.93 | -158.87 | -1,261.76 | -2,436.46 | 3,394.98 | 3,367.83 | 27.15 | 125.066 | | |
| 6,400.00 | 6,346.79 | 6,293.52 | 6,292.83 | 19.41 | 12.18 | -158.92 | -1,259.56 | -2,437.71 | 3,408.69 | 3,381.04 | 27.65 | 123.287 | | |
| 6,500.00 | 6,445.68 | 6,393.71 | 6,392.98 | 19.76 | 12.42 | -158.97 | -1,257.32 | -2,438.88 | 3,422.32 | 3,394.17 | 28.15 | 121.585 | | |
| 6,600.00 | 6,544.58 | 6,494.00 | 6,493.23 | 20.11 | 12.66 | -159.01 | -1,254.97 | -2,440.08 | 3,435.92 | 3,407.27 | 28.65 | 119.936 | | |
| 6,700.00 | 6,643.53 | 6,574.98 | 6,574.18 | 20.44 | 12.86 | -172.39 | -1,252.88 | -2,441.39 | 3,449.45 | 3,420.32 | 29.12 | 118.446 | | |
| 6,800.00 | 6,743.00 | 6,666.98 | 6,666.12 | 20.62 | 13.09 | 98.99 | -1,250.31 | -2,443.49 | 3,466.66 | 3,427.15 | 29.51 | 117.124 | | |
| 6,900.00 | 6,840.75 | 6,765.28 | 6,764.35 | 20.64 | 13.33 | 75.85 | -1,247.39 | -2,445.90 | 3,454.55 | 3,424.85 | 29.70 | 116.306 | | |
| 7,000.00 | 6,933.82 | 6,854.88 | 6,853.86 | 20.54 | 13.56 | 70.75 | -1,244.41 | -2,448.26 | 3,443.40 | 3,413.66 | 29.74 | 115.799 | | |
| 7,100.00 | 7,019.36 | 6,932.72 | 6,931.62 | 20.31 | 13.75 | 70.22 | -1,241.55 | -2,450.58 | 3,424.12 | 3,394.38 | 29.75 | 115.107 | | |
| 7,200.00 | 7,094.79 | 7,000.00 | 6,998.81 | 20.01 | 13.92 | 71.83 | -1,238.92 | -2,452.83 | 3,397.89 | 3,368.01 | 29.88 | 113.714 | | |
| 7,300.00 | 7,157.81 | 7,056.78 | 7,055.50 | 19.66 | 14.07 | 74.77 | -1,236.42 | -2,454.97 | 3,366.02 | 3,335.81 | 30.21 | 111.424 | | |
| 7,400.00 | 7,206.51 | 7,100.00 | 7,098.62 | 19.29 | 14.17 | 78.53 | -1,234.21 | -2,456.78 | 3,330.01 | 3,299.33 | 30.68 | 108.533 | | |
| 7,500.00 | 7,239.40 | 7,130.65 | 7,129.19 | 18.94 | 14.25 | 82.79 | -1,232.51 | -2,458.12 | 3,291.44 | 3,260.24 | 31.20 | 105.500 | | |
| 7,600.00 | 7,255.49 | 7,142.45 | 7,140.96 | 18.63 | 14.28 | 87.11 | -1,231.84 | -2,458.64 | 3,251.83 | 3,220.19 | 31.64 | 102.778 | | |
| 7,700.00 | 7,256.04 | 7,136.52 | 7,135.05 | 18.39 | 14.27 | 89.34 | -1,232.18 | -2,458.38 | 3,212.71 | 3,180.76 | 31.95 | 100.547 | | |
| 7,800.00 | 7,253.91 | 7,127.76 | 7,126.30 | 18.51 | 14.25 | 89.18 | -1,232.68 | -2,457.99 | 3,175.97 | 3,143.63 | 32.34 | 98.211 | | |
| 7,900.00 | 7,251.78 | 7,119.18 | 7,117.75 | 19.20 | 14.22 | 89.01 | -1,233.16 | -2,457.62 | 3,141.96 | 3,109.05 | 32.91 | 95.470 | | |
| 8,000.00 | 7,249.65 | 7,110.78 | 7,109.37 | 20.08 | 14.20 | 88.85 | -1,233.63 | -2,457.25 | 3,110.77 | 3,077.12 | 33.65 | 92.439 | | |
| 8,100.00 | 7,247.53 | 7,102.55 | 7,101.16 | 21.07 | 14.18 | 88.69 | -1,234.08 | -2,456.89 | 3,082.49 | 3,047.94 | 34.54 | 89.232 | | |
| 8,200.00 | 7,245.40 | 7,100.00 | 7,098.62 | 22.17 | 14.17 | 88.64 | -1,234.21 | -2,456.78 | 3,057.20 | 3,021.58 | 35.62 | 85.818 | | |
| 8,300.00 | 7,243.27 | 7,089.16 | 7,087.80 | 23.36 | 14.15 | 88.43 | -1,234.79 | -2,456.31 | 3,034.98 | 2,998.17 | 36.81 | 82.442 | | |
| 8,400.00 | 7,241.14 | 7,082.93 | 7,081.59 | 24.64 | 14.13 | 88.31 | -1,235.11 | -2,456.04 | 3,015.90 | 2,977.78 | 38.13 | 79.104 | | |
| 8,500.00 | 7,239.01 | 7,076.84 | 7,075.52 | 25.98 | 14.12 | 88.20 | -1,235.43 | -2,455.79 | 3,000.02 | 2,960.50 | 39.52 | 75.910 | | |
| 8,600.00 | 7,236.89 | 7,070.90 | 7,069.58 | 27.39 | 14.10 | 88.08 | -1,235.73 | -2,455.54 | 2,987.39 | 2,946.41 | 40.99 | 72.889 | | |
| 8,700.00 | 7,234.76 | 7,065.08 | 7,063.78 | 28.85 | 14.09 | 87.97 | -1,236.01 | -2,455.30 | 2,978.05 | 2,935.54 | 42.51 | 70.056 | | |
| 8,800.00 | 7,232.63 | 7,059.40 | 7,058.11 | 30.36 | 14.07 | 87.86 | -1,236.29 | -2,455.07 | 2,972.04 | 2,927.95 | 44.08 | 67.416 | | |
| 8,900.00 | 7,230.50 | 7,053.84 | 7,052.56 | 31.91 | 14.06 | 87.75 | -1,236.56 | -2,454.85 | 2,969.37 | 2,923.66 | 45.70 | 64.971 | | |
| 8,929.64 | 7,229.87 | 7,052.21 | 7,050.93 | 32.38 | 14.05 | 87.72 | -1,236.64 | -2,454.79 | 2,969.22 | 2,922.96 | 46.26 | 64.191 | | |
| 9,000.00 | 7,228.38 | 7,048.40 | 7,047.13 | 33.49 | 14.04 | 87.65 | -1,236.82 | -2,454.64 | 2,970.05 | 2,922.69 | 47.36 | 62.714 | | |
| 9,100.00 | 7,226.25 | 7,043.08 | 7,041.82 | 35.11 | 14.03 | 87.55 | -1,237.06 | -2,454.43 | 2,974.09 | 2,925.04 | 49.05 | 60.638 | | |
| 9,200.00 | 7,224.12 | 7,037.87 | 7,036.62 | 36.75 | 14.02 | 87.45 | -1,237.30 | -2,454.23 | 2,981.46 | 2,930.70 | 50.76 | 58.734 | | |
| 9,300.00 | 7,221.99 | 7,032.77 | 7,031.53 | 38.41 | 14.01 | 87.35 | -1,237.53 | -2,454.03 | 2,992.15 | 2,939.65 | 52.50 | 56.992 | | |
| 9,400.00 | 7,219.86 | 7,027.78 | 7,026.54 | 40.10 | 13.99 | 87.25 | -1,237.75 | -2,453.84 | 3,006.11 | 2,951.85 | 54.26 | 55.401 | | |
| 9,500.00 | 7,217.74 | 7,022.89 | 7,021.66 | 41.80 | 13.98 | 87.16 | -1,237.97 | -2,453.66 | 3,023.31 | 2,967.27 | 56.04 | 53.949 | | |
| 9,600.00 | 7,215.61 | 7,018.10 | 7,016.88 | 43.53 | 13.97 | 87.07 | -1,238.17 | -2,453.48 | 3,043.70 | 2,985.86 | 57.83 | 52.627 | | |
| 9,700.00 | 7,213.48 | 7,013.40 | 7,012.19 | 45.26 | 13.96 | 86.98 | -1,238.37 | -2,453.31 | 3,067.19 | 3,007.55 | 59.64 | 51.425 | | |
| 9,800.00 | 7,211.35 | 7,000.00 | 6,998.81 | 47.01 | 13.92 | 86.72 | -1,238.92 | -2,452.83 | 3,093.75 | 3,032.34 | 61.41 | 50.380 | | |
| 9,900.00 | 7,209.22 | 7,000.00 | 6,998.81 | 48.77 | 13.92 | 86.72 | -1,238.92 | -2,452.83 | 3,123.25 | 3,059.98 | 63.27 | 49.363 | | |
| 10,000.00 | 7,207.10 | 7,000.00 | 6,998.81 | 50.54 | 13.92 | 86.72 | -1,238.92 | -2,452.83 | 3,155.64 | 3,090.50 | 65.14 | 48.442 | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|--------------------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|--------------------|---------|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | | | Offset | | Semi Major Axis | | Distance | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 10,100.00 | 7,204.97 | 7,000.00 | 6,998.81 | 52.32 | 13.92 | 86.72 | -1,238.92 | -2,452.83 | 3,190.84 | 3,123.82 | 67.02 | 47.607 | | |
| 10,200.00 | 7,202.84 | 6,989.53 | 6,988.35 | 54.11 | 13.90 | 86.52 | -1,239.34 | -2,452.47 | 3,228.74 | 3,159.89 | 68.84 | 46.900 | | |
| 10,300.00 | 7,200.71 | 6,984.41 | 6,983.24 | 55.91 | 13.88 | 86.42 | -1,239.55 | -2,452.29 | 3,269.25 | 3,198.54 | 70.70 | 46.238 | | |
| 10,400.00 | 7,198.59 | 6,979.31 | 6,978.15 | 57.72 | 13.87 | 86.32 | -1,239.75 | -2,452.12 | 3,312.27 | 3,239.70 | 72.57 | 45.641 | | |
| 10,500.00 | 7,196.46 | 6,974.25 | 6,973.09 | 59.53 | 13.86 | 86.22 | -1,239.95 | -2,451.95 | 3,357.72 | 3,283.27 | 74.45 | 45.103 | | |
| 10,600.00 | 7,194.33 | 6,969.21 | 6,968.06 | 61.34 | 13.85 | 86.13 | -1,240.15 | -2,451.78 | 3,405.48 | 3,329.16 | 76.32 | 44.619 | | |
| 10,700.00 | 7,192.20 | 6,964.19 | 6,963.05 | 63.17 | 13.83 | 86.03 | -1,240.34 | -2,451.61 | 3,455.47 | 3,377.27 | 78.21 | 44.184 | | |
| 10,800.00 | 7,190.07 | 6,959.21 | 6,958.07 | 64.99 | 13.82 | 85.93 | -1,240.54 | -2,451.44 | 3,507.59 | 3,427.50 | 80.09 | 43.794 | | |
| 10,900.00 | 7,187.95 | 6,954.25 | 6,953.12 | 66.83 | 13.81 | 85.84 | -1,240.73 | -2,451.28 | 3,561.75 | 3,479.77 | 81.98 | 43.444 | | |
| 11,000.00 | 7,185.82 | 6,949.31 | 6,948.19 | 68.66 | 13.80 | 85.74 | -1,240.92 | -2,451.12 | 3,617.86 | 3,533.98 | 83.88 | 43.132 | | |
| 11,100.00 | 7,183.69 | 6,944.40 | 6,943.29 | 70.50 | 13.78 | 85.65 | -1,241.11 | -2,450.96 | 3,675.82 | 3,590.04 | 85.78 | 42.854 | | |
| 11,200.00 | 7,181.56 | 6,939.52 | 6,938.41 | 72.35 | 13.77 | 85.55 | -1,241.30 | -2,450.80 | 3,735.55 | 3,647.87 | 87.68 | 42.607 | | |
| 11,300.00 | 7,179.44 | 6,934.66 | 6,933.56 | 74.19 | 13.76 | 85.46 | -1,241.48 | -2,450.64 | 3,796.97 | 3,707.39 | 89.58 | 42.387 | | |
| 11,400.00 | 7,177.31 | 6,929.83 | 6,928.73 | 76.04 | 13.75 | 85.37 | -1,241.66 | -2,450.49 | 3,859.99 | 3,768.51 | 91.48 | 42.194 | | |
| 11,500.00 | 7,175.18 | 6,925.02 | 6,923.93 | 77.90 | 13.73 | 85.28 | -1,241.85 | -2,450.34 | 3,924.55 | 3,831.16 | 93.39 | 42.023 | | |
| 11,600.00 | 7,173.05 | 6,920.24 | 6,919.15 | 79.75 | 13.72 | 85.18 | -1,242.03 | -2,450.19 | 3,990.55 | 3,895.26 | 95.30 | 41.874 | | |
| 11,700.00 | 7,170.92 | 6,915.48 | 6,914.40 | 81.61 | 13.71 | 85.09 | -1,242.21 | -2,450.04 | 4,057.95 | 3,960.74 | 97.21 | 41.744 | | |
| 11,800.00 | 7,168.80 | 6,910.75 | 6,909.67 | 83.47 | 13.70 | 85.00 | -1,242.38 | -2,449.90 | 4,126.65 | 4,027.53 | 99.12 | 41.632 | | |
| 11,837.41 | 7,168.00 | 6,900.00 | 6,898.94 | 84.17 | 13.67 | 84.79 | -1,242.78 | -2,449.57 | 4,152.70 | 4,052.93 | 99.77 | 41.625 SF | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|--------------------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | | | Offset | | Semi Major Axis | | | Distance | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -166.64 | -3,937.17 | -934.77 | 4,046.63 | | | | | | |
| 100.00 | 100.00 | 150.27 | 150.26 | 0.08 | 0.27 | -166.64 | -3,935.41 | -934.81 | 4,045.36 | 4,045.01 | 0.35 | N/A | | | |
| 200.00 | 200.00 | 232.72 | 232.70 | 0.31 | 0.48 | -166.63 | -3,934.29 | -935.00 | 4,044.10 | 4,043.30 | 0.79 | 5,113.641 | | | |
| 300.00 | 300.00 | 300.00 | 299.98 | 0.53 | 0.66 | -166.63 | -3,933.69 | -934.96 | 4,043.28 | 4,042.09 | 1.19 | 3,400.606 | | | |
| 387.31 | 387.31 | 376.58 | 376.56 | 0.73 | 0.79 | -166.63 | -3,933.40 | -935.01 | 4,043.00 | 4,041.48 | 1.52 | 2,656.339 | | | |
| 400.00 | 400.00 | 385.69 | 385.67 | 0.76 | 0.81 | -166.63 | -3,933.39 | -935.04 | 4,043.01 | 4,041.44 | 1.57 | 2,580.392 | | | |
| 500.00 | 500.00 | 489.23 | 489.20 | 0.98 | 0.99 | -166.62 | -3,933.37 | -935.74 | 4,043.15 | 4,041.18 | 1.97 | 2,052.042 | | | |
| 600.00 | 600.00 | 582.45 | 582.42 | 1.21 | 1.17 | -166.61 | -3,933.30 | -936.39 | 4,043.23 | 4,040.85 | 2.38 | 1,700.548 | | | |
| 700.00 | 700.00 | 674.32 | 674.29 | 1.43 | 1.35 | -166.60 | -3,933.46 | -936.86 | 4,043.52 | 4,040.74 | 2.78 | 1,454.790 | | | |
| 800.00 | 800.00 | 785.44 | 785.41 | 1.66 | 1.59 | -166.59 | -3,933.66 | -937.51 | 4,043.84 | 4,040.59 | 3.25 | 1,245.827 | | | |
| 900.00 | 900.00 | 878.98 | 878.94 | 1.88 | 1.77 | -166.59 | -3,933.73 | -937.83 | 4,043.99 | 4,040.35 | 3.65 | 1,108.802 | | | |
| 1,000.00 | 1,000.00 | 980.31 | 980.27 | 2.11 | 1.95 | -166.59 | -3,933.98 | -938.06 | 4,044.28 | 4,040.22 | 4.06 | 996.053 | | | |
| 1,100.00 | 1,100.00 | 1,085.75 | 1,085.72 | 2.33 | 2.16 | -166.58 | -3,934.08 | -938.44 | 4,044.46 | 4,039.96 | 4.50 | 899.466 | | | |
| 1,200.00 | 1,200.00 | 1,173.20 | 1,173.17 | 2.56 | 2.32 | -166.58 | -3,934.26 | -938.51 | 4,044.69 | 4,039.81 | 4.88 | 828.854 | | | |
| 1,300.00 | 1,300.00 | 1,268.31 | 1,268.27 | 2.78 | 2.52 | -166.58 | -3,934.70 | -938.82 | 4,045.21 | 4,039.90 | 5.30 | 762.855 | | | |
| 1,400.00 | 1,399.98 | 1,379.11 | 1,379.07 | 3.00 | 2.79 | 157.02 | -3,935.01 | -939.60 | 4,047.26 | 4,041.46 | 5.80 | 697.718 | | | |
| 1,500.00 | 1,499.84 | 1,481.40 | 1,481.36 | 3.23 | 3.05 | 157.02 | -3,935.09 | -940.20 | 4,052.29 | 4,046.00 | 6.28 | 644.778 | | | |
| 1,600.00 | 1,599.45 | 1,570.98 | 1,570.94 | 3.45 | 3.28 | 157.00 | -3,935.27 | -940.64 | 4,060.62 | 4,053.89 | 6.73 | 603.346 | | | |
| 1,700.00 | 1,698.70 | 1,669.52 | 1,669.47 | 3.69 | 3.53 | 156.98 | -3,935.64 | -941.25 | 4,072.36 | 4,065.17 | 7.20 | 565.884 | | | |
| 1,800.00 | 1,797.61 | 1,793.83 | 1,793.78 | 3.95 | 3.84 | 157.07 | -3,935.64 | -942.39 | 4,086.15 | 4,078.42 | 7.74 | 528.203 | | | |
| 1,900.00 | 1,896.51 | 1,891.91 | 1,891.86 | 4.22 | 4.07 | 157.16 | -3,935.29 | -943.16 | 4,099.68 | 4,091.47 | 8.21 | 499.390 | | | |
| 2,000.00 | 1,995.40 | 1,982.29 | 1,982.24 | 4.51 | 4.30 | 157.24 | -3,935.14 | -943.65 | 4,113.33 | 4,104.66 | 8.68 | 474.085 | | | |
| 2,100.00 | 2,094.30 | 2,075.06 | 2,075.01 | 4.80 | 4.54 | 157.33 | -3,935.14 | -944.28 | 4,127.19 | 4,118.03 | 9.16 | 450.550 | | | |
| 2,200.00 | 2,193.19 | 2,192.52 | 2,192.45 | 5.10 | 4.83 | 157.44 | -3,934.94 | -945.40 | 4,140.97 | 4,131.27 | 9.70 | 426.864 | | | |
| 2,300.00 | 2,292.09 | 2,291.98 | 2,291.91 | 5.41 | 5.06 | 157.52 | -3,934.54 | -945.96 | 4,154.44 | 4,144.26 | 10.18 | 408.126 | | | |
| 2,400.00 | 2,390.98 | 2,397.21 | 2,397.14 | 5.72 | 5.26 | 157.61 | -3,934.16 | -946.15 | 4,167.86 | 4,157.24 | 10.62 | 392.415 | | | |
| 2,500.00 | 2,489.88 | 2,488.69 | 2,488.62 | 6.04 | 5.33 | 157.68 | -3,933.97 | -945.78 | 4,181.29 | 4,170.35 | 10.95 | 381.951 | | | |
| 2,600.00 | 2,588.77 | 2,582.54 | 2,582.47 | 6.36 | 5.36 | 157.74 | -3,934.10 | -944.72 | 4,194.89 | 4,183.65 | 11.23 | 373.433 | | | |
| 2,700.00 | 2,687.67 | 2,676.53 | 2,676.45 | 6.68 | 5.40 | 157.79 | -3,934.34 | -943.65 | 4,208.60 | 4,197.07 | 11.53 | 365.101 | | | |
| 2,800.00 | 2,786.56 | 2,762.26 | 2,762.18 | 7.01 | 5.45 | 157.85 | -3,934.61 | -943.18 | 4,222.51 | 4,210.68 | 11.84 | 356.775 | | | |
| 2,900.00 | 2,885.46 | 2,846.51 | 2,846.42 | 7.34 | 5.53 | 157.91 | -3,935.23 | -942.52 | 4,236.78 | 4,224.61 | 12.17 | 348.110 | | | |
| 3,000.00 | 2,984.36 | 2,945.78 | 2,945.69 | 7.67 | 5.65 | 157.97 | -3,936.11 | -942.24 | 4,251.32 | 4,238.77 | 12.55 | 338.740 | | | |
| 3,100.00 | 3,083.25 | 3,047.57 | 3,047.48 | 8.00 | 5.78 | 158.04 | -3,936.76 | -941.87 | 4,265.61 | 4,252.67 | 12.94 | 329.643 | | | |
| 3,200.00 | 3,182.15 | 3,139.39 | 3,139.29 | 8.34 | 5.91 | 158.10 | -3,937.59 | -941.41 | 4,280.11 | 4,266.79 | 13.33 | 321.182 | | | |
| 3,300.00 | 3,281.04 | 3,243.49 | 3,243.38 | 8.67 | 6.07 | 158.18 | -3,938.41 | -941.21 | 4,294.60 | 4,280.85 | 13.75 | 312.381 | | | |
| 3,400.00 | 3,379.94 | 3,337.45 | 3,337.35 | 9.01 | 6.22 | 158.24 | -3,939.13 | -940.76 | 4,309.01 | 4,294.85 | 14.16 | 304.377 | | | |
| 3,500.00 | 3,478.83 | 3,421.08 | 3,420.96 | 9.35 | 6.37 | 158.29 | -3,940.02 | -940.56 | 4,323.75 | 4,309.20 | 14.56 | 297.017 | | | |
| 3,600.00 | 3,577.73 | 3,514.16 | 3,514.04 | 9.69 | 6.54 | 158.35 | -3,941.18 | -940.34 | 4,338.68 | 4,323.69 | 14.99 | 289.440 | | | |
| 3,700.00 | 3,676.62 | 3,600.00 | 3,599.87 | 10.03 | 6.70 | 158.41 | -3,942.60 | -939.99 | 4,353.95 | 4,338.54 | 15.41 | 282.547 | | | |
| 3,800.00 | 3,775.52 | 3,678.48 | 3,678.33 | 10.37 | 6.86 | 158.46 | -3,944.20 | -939.71 | 4,369.59 | 4,353.77 | 15.82 | 276.132 | | | |
| 3,900.00 | 3,874.41 | 3,815.61 | 3,815.43 | 10.72 | 7.14 | 158.54 | -3,946.51 | -939.49 | 4,384.98 | 4,368.62 | 16.36 | 268.014 | | | |
| 4,000.00 | 3,973.31 | 3,900.00 | 3,899.82 | 11.06 | 7.31 | 158.60 | -3,947.69 | -939.23 | 4,400.06 | 4,383.27 | 16.79 | 262.028 | | | |
| 4,100.00 | 4,072.20 | 3,976.89 | 3,976.70 | 11.40 | 7.47 | 158.65 | -3,949.05 | -939.17 | 4,415.55 | 4,398.33 | 17.22 | 256.444 | | | |
| 4,200.00 | 4,171.10 | 4,089.87 | 4,089.66 | 11.75 | 7.73 | 158.72 | -3,951.15 | -939.55 | 4,431.26 | 4,413.53 | 17.73 | 249.893 | | | |
| 4,300.00 | 4,269.99 | 4,176.40 | 4,176.18 | 12.09 | 7.93 | 158.78 | -3,952.63 | -939.72 | 4,446.80 | 4,428.61 | 18.19 | 244.461 | | | |
| 4,400.00 | 4,368.89 | 4,271.23 | 4,270.99 | 12.44 | 8.15 | 158.84 | -3,954.52 | -939.91 | 4,462.59 | 4,443.92 | 18.67 | 239.044 | | | |
| 4,500.00 | 4,467.78 | 4,350.94 | 4,350.68 | 12.78 | 8.33 | 158.90 | -3,956.18 | -940.17 | 4,478.53 | 4,459.41 | 19.11 | 234.301 | | | |
| 4,600.00 | 4,566.68 | 4,430.44 | 4,430.15 | 13.13 | 8.52 | 158.95 | -3,958.33 | -940.39 | 4,495.02 | 4,475.46 | 19.56 | 229.812 | | | |
| 4,700.00 | 4,665.57 | 4,527.77 | 4,527.44 | 13.48 | 8.74 | 159.00 | -3,961.22 | -940.30 | 4,511.68 | 4,491.63 | 20.04 | 225.105 | | | |
| 4,800.00 | 4,764.47 | 4,619.58 | 4,619.21 | 13.82 | 8.95 | 159.05 | -3,964.00 | -940.10 | 4,528.37 | 4,507.86 | 20.51 | 220.766 | | | |
| 4,900.00 | 4,863.36 | 4,700.00 | 4,699.57 | 14.17 | 9.14 | 159.09 | -3,966.81 | -939.87 | 4,545.47 | 4,524.51 | 20.96 | 216.892 | | | |
| 5,000.00 | 4,962.26 | 4,804.27 | 4,803.78 | 14.52 | 9.38 | 159.15 | -3,970.59 | -939.72 | 4,562.76 | 4,541.30 | 21.46 | 212.618 | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 ft | | |
|--------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|--|---------|--------------------|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | WELD_CAMP 5 PAD - HSR-MILLS 15-26 offset - HSR-MILLS 15-26 - HSR-MILLS 15-26 | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | |
| 5,100.00 | 5,061.15 | 4,987.51 | 4,986.96 | 14.87 | 9.81 | 159.25 | -3,974.86 | -939.42 | 4,578.70 | 4,556.56 | 22.14 | 206.800 | | | |
| 5,200.00 | 5,160.05 | 5,147.84 | 5,147.28 | 15.21 | 10.16 | 159.36 | -3,976.22 | -939.67 | 4,593.51 | 4,570.77 | 22.74 | 201.967 | | | |
| 5,300.00 | 5,258.94 | 5,288.95 | 5,288.39 | 15.56 | 10.35 | 159.46 | -3,975.10 | -940.56 | 4,606.75 | 4,583.56 | 23.19 | 198.661 | | | |
| 5,400.00 | 5,357.84 | 5,400.00 | 5,399.42 | 15.91 | 10.46 | 159.55 | -3,973.67 | -941.28 | 4,619.60 | 4,596.03 | 23.56 | 196.040 | | | |
| 5,500.00 | 5,456.73 | 5,481.44 | 5,480.86 | 16.26 | 10.54 | 159.61 | -3,972.72 | -941.62 | 4,632.52 | 4,608.62 | 23.90 | 193.808 | | | |
| 5,600.00 | 5,555.63 | 5,579.77 | 5,579.19 | 16.61 | 10.64 | 159.68 | -3,971.99 | -941.78 | 4,645.78 | 4,621.52 | 24.26 | 191.493 | | | |
| 5,700.00 | 5,654.52 | 5,665.83 | 5,665.24 | 16.96 | 10.73 | 159.74 | -3,971.35 | -942.04 | 4,659.08 | 4,634.47 | 24.61 | 189.310 | | | |
| 5,800.00 | 5,753.42 | 5,759.81 | 5,759.22 | 17.31 | 10.83 | 159.80 | -3,971.00 | -942.12 | 4,672.68 | 4,647.70 | 24.98 | 187.079 | | | |
| 5,900.00 | 5,852.31 | 5,848.88 | 5,848.29 | 17.66 | 10.95 | 159.86 | -3,970.66 | -942.34 | 4,686.32 | 4,660.96 | 25.36 | 184.804 | | | |
| 6,000.00 | 5,951.21 | 5,933.05 | 5,932.46 | 18.01 | 11.09 | 159.91 | -3,970.75 | -942.21 | 4,700.32 | 4,674.56 | 25.76 | 182.483 | | | |
| 6,100.00 | 6,050.10 | 6,019.02 | 6,018.43 | 18.36 | 11.25 | 159.96 | -3,971.04 | -942.06 | 4,714.54 | 4,688.36 | 26.18 | 180.084 | | | |
| 6,200.00 | 6,149.00 | 6,100.00 | 6,099.40 | 18.71 | 11.41 | 160.00 | -3,971.86 | -941.56 | 4,729.25 | 4,702.64 | 26.60 | 177.782 | | | |
| 6,300.00 | 6,247.89 | 6,151.55 | 6,150.94 | 19.06 | 11.52 | 160.03 | -3,972.78 | -941.13 | 4,744.59 | 4,717.62 | 26.97 | 175.924 | | | |
| 6,400.00 | 6,346.79 | 6,227.67 | 6,227.03 | 19.41 | 11.68 | 160.06 | -3,974.68 | -940.79 | 4,760.73 | 4,733.34 | 27.39 | 173.805 | | | |
| 6,500.00 | 6,445.68 | 6,362.33 | 6,361.67 | 19.76 | 11.97 | 160.13 | -3,977.51 | -940.16 | 4,776.53 | 4,748.60 | 27.94 | 170.967 | | | |
| 6,600.00 | 6,544.58 | 6,500.00 | 6,499.31 | 20.11 | 12.25 | 160.19 | -3,979.53 | -938.76 | 4,791.59 | 4,763.12 | 28.47 | 168.308 | | | |
| 6,700.00 | 6,643.53 | 6,568.16 | 6,567.47 | 20.44 | 12.39 | 147.05 | -3,980.34 | -938.37 | 4,806.01 | 4,777.22 | 28.79 | 166.938 | | | |
| 6,800.00 | 6,743.00 | 6,700.00 | 6,699.29 | 20.62 | 12.69 | 58.96 | -3,982.20 | -938.03 | 4,808.80 | 4,779.77 | 29.03 | 165.634 | | | |
| 6,900.00 | 6,840.75 | 6,788.91 | 6,788.20 | 20.64 | 12.89 | 35.82 | -3,982.92 | -937.96 | 4,794.40 | 4,766.03 | 28.37 | 168.994 | | | |
| 7,000.00 | 6,933.82 | 6,894.70 | 6,893.99 | 20.54 | 13.14 | 30.46 | -3,983.78 | -938.01 | 4,763.93 | 4,736.91 | 27.01 | 176.360 | | | |
| 7,100.00 | 7,019.36 | 6,979.57 | 6,978.86 | 20.31 | 13.34 | 29.57 | -3,984.32 | -938.07 | 4,718.17 | 4,693.11 | 25.07 | 188.203 | | | |
| 7,200.00 | 7,094.79 | 7,045.97 | 7,045.25 | 20.01 | 13.50 | 31.14 | -3,984.83 | -938.03 | 4,658.82 | 4,635.86 | 22.96 | 202.928 | | | |
| 7,300.00 | 7,157.81 | 7,100.00 | 7,099.28 | 19.66 | 13.63 | 35.12 | -3,985.32 | -938.22 | 4,587.78 | 4,566.30 | 21.48 | 213.604 | | | |
| 7,400.00 | 7,206.51 | 7,187.79 | 7,187.07 | 19.29 | 13.83 | 43.13 | -3,985.81 | -938.53 | 4,506.95 | 4,484.77 | 22.18 | 203.218 | | | |
| 7,500.00 | 7,239.40 | 7,221.66 | 7,220.94 | 18.94 | 13.90 | 56.48 | -3,985.84 | -938.58 | 4,418.84 | 4,393.16 | 25.68 | 172.072 | | | |
| 7,600.00 | 7,255.49 | 7,235.13 | 7,234.41 | 18.63 | 13.93 | 78.01 | -3,985.87 | -938.61 | 4,326.43 | 4,296.01 | 30.42 | 142.228 | | | |
| 7,700.00 | 7,256.04 | 7,235.76 | 7,235.03 | 18.39 | 13.94 | 92.90 | -3,985.87 | -938.61 | 4,232.48 | 4,200.66 | 31.82 | 133.023 | | | |
| 7,800.00 | 7,253.91 | 7,234.15 | 7,233.43 | 18.51 | 13.93 | 92.84 | -3,985.86 | -938.60 | 4,138.70 | 4,106.38 | 32.32 | 128.072 | | | |
| 7,900.00 | 7,251.78 | 7,232.53 | 7,231.81 | 19.20 | 13.93 | 92.78 | -3,985.86 | -938.60 | 4,045.21 | 4,012.21 | 33.00 | 122.590 | | | |
| 8,000.00 | 7,249.65 | 7,230.90 | 7,230.18 | 20.08 | 13.92 | 92.71 | -3,985.86 | -938.60 | 3,952.04 | 3,918.19 | 33.85 | 116.758 | | | |
| 8,100.00 | 7,247.53 | 7,229.26 | 7,228.54 | 21.07 | 13.92 | 92.65 | -3,985.86 | -938.60 | 3,859.21 | 3,824.36 | 34.85 | 110.747 | | | |
| 8,200.00 | 7,245.40 | 7,227.60 | 7,226.88 | 22.17 | 13.92 | 92.58 | -3,985.85 | -938.59 | 3,766.75 | 3,730.77 | 35.98 | 104.702 | | | |
| 8,300.00 | 7,243.27 | 7,225.94 | 7,225.21 | 23.36 | 13.91 | 92.52 | -3,985.85 | -938.59 | 3,674.68 | 3,637.46 | 37.22 | 98.738 | | | |
| 8,400.00 | 7,241.14 | 7,224.26 | 7,223.53 | 24.64 | 13.91 | 92.45 | -3,985.85 | -938.59 | 3,583.04 | 3,544.48 | 38.55 | 92.939 | | | |
| 8,500.00 | 7,239.01 | 7,222.56 | 7,221.84 | 25.98 | 13.91 | 92.38 | -3,985.84 | -938.58 | 3,491.85 | 3,451.88 | 39.97 | 87.362 | | | |
| 8,600.00 | 7,236.89 | 7,220.86 | 7,220.14 | 27.39 | 13.90 | 92.32 | -3,985.84 | -938.58 | 3,401.16 | 3,359.70 | 41.46 | 82.043 | | | |
| 8,700.00 | 7,234.76 | 7,219.14 | 7,218.42 | 28.85 | 13.90 | 92.25 | -3,985.84 | -938.58 | 3,311.00 | 3,268.00 | 43.00 | 76.998 | | | |
| 8,800.00 | 7,232.63 | 7,217.41 | 7,216.69 | 30.36 | 13.89 | 92.18 | -3,985.84 | -938.58 | 3,221.43 | 3,176.83 | 44.60 | 72.236 | | | |
| 8,900.00 | 7,230.50 | 7,215.66 | 7,214.94 | 31.91 | 13.89 | 92.11 | -3,985.84 | -938.57 | 3,132.48 | 3,086.25 | 46.23 | 67.753 | | | |
| 9,000.00 | 7,228.38 | 7,213.90 | 7,213.18 | 33.49 | 13.89 | 92.04 | -3,985.83 | -938.57 | 3,044.22 | 2,996.31 | 47.91 | 63.543 | | | |
| 9,100.00 | 7,226.25 | 7,212.13 | 7,211.41 | 35.11 | 13.88 | 91.97 | -3,985.83 | -938.57 | 2,956.70 | 2,907.09 | 49.61 | 59.594 | | | |
| 9,200.00 | 7,224.12 | 7,210.35 | 7,209.62 | 36.75 | 13.88 | 91.90 | -3,985.83 | -938.56 | 2,870.00 | 2,818.65 | 51.35 | 55.894 | | | |
| 9,300.00 | 7,221.99 | 7,208.55 | 7,207.82 | 38.41 | 13.87 | 91.83 | -3,985.83 | -938.56 | 2,784.19 | 2,731.09 | 53.10 | 52.429 | | | |
| 9,400.00 | 7,219.86 | 7,206.73 | 7,206.01 | 40.10 | 13.87 | 91.76 | -3,985.83 | -938.56 | 2,699.36 | 2,644.47 | 54.88 | 49.185 | | | |
| 9,500.00 | 7,217.74 | 7,200.00 | 7,199.28 | 41.80 | 13.85 | 91.49 | -3,985.82 | -938.55 | 2,615.60 | 2,558.96 | 56.64 | 46.180 | | | |
| 9,600.00 | 7,215.61 | 7,200.00 | 7,199.28 | 43.53 | 13.85 | 91.49 | -3,985.82 | -938.55 | 2,533.01 | 2,474.54 | 58.47 | 43.325 | | | |
| 9,700.00 | 7,213.48 | 7,200.00 | 7,199.28 | 45.26 | 13.85 | 91.49 | -3,985.82 | -938.55 | 2,451.71 | 2,391.41 | 60.30 | 40.655 | | | |
| 9,800.00 | 7,211.35 | 7,199.04 | 7,198.32 | 47.01 | 13.85 | 91.46 | -3,985.82 | -938.55 | 2,371.85 | 2,309.70 | 62.15 | 38.164 | | | |
| 9,900.00 | 7,209.22 | 7,196.38 | 7,195.66 | 48.77 | 13.85 | 91.35 | -3,985.82 | -938.54 | 2,293.56 | 2,229.57 | 63.99 | 35.841 | | | |
| 10,000.00 | 7,207.10 | 7,193.79 | 7,193.07 | 50.54 | 13.84 | 91.25 | -3,985.82 | -938.54 | 2,217.02 | 2,151.18 | 65.85 | 33.670 | | | |
| 10,100.00 | 7,204.97 | 7,191.25 | 7,190.53 | 52.32 | 13.83 | 91.15 | -3,985.81 | -938.54 | 2,142.41 | 2,074.70 | 67.71 | 31.641 | | | |
| 10,200.00 | 7,202.84 | 7,188.77 | 7,188.05 | 54.11 | 13.83 | 91.05 | -3,985.81 | -938.53 | 2,069.94 | 2,000.36 | 69.58 | 29.749 | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|--------------------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|--------------------|-------------------|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | | | Offset | | Semi Major Axis | | Distance | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | | Separation Factor | |
| 10,300.00 | 7,200.71 | 7,186.35 | 7,185.63 | 55.91 | 13.82 | 90.96 | -3,985.81 | -938.53 | 1,999.85 | 1,928.39 | 71.46 | 27.986 | | |
| 10,400.00 | 7,198.59 | 7,183.98 | 7,183.26 | 57.72 | 13.82 | 90.86 | -3,985.80 | -938.52 | 1,932.38 | 1,859.04 | 73.35 | 26.346 | | |
| 10,500.00 | 7,196.46 | 7,181.66 | 7,180.94 | 59.53 | 13.81 | 90.77 | -3,985.80 | -938.52 | 1,867.83 | 1,792.60 | 75.24 | 24.826 | | |
| 10,600.00 | 7,194.33 | 7,179.39 | 7,178.67 | 61.34 | 13.81 | 90.68 | -3,985.79 | -938.51 | 1,806.51 | 1,729.38 | 77.14 | 23.420 | | |
| 10,700.00 | 7,192.20 | 7,177.17 | 7,176.45 | 63.17 | 13.80 | 90.59 | -3,985.79 | -938.51 | 1,748.77 | 1,669.73 | 79.04 | 22.125 | | |
| 10,800.00 | 7,190.07 | 7,175.00 | 7,174.27 | 64.99 | 13.80 | 90.51 | -3,985.78 | -938.50 | 1,694.95 | 1,614.00 | 80.95 | 20.939 | | |
| 10,900.00 | 7,187.95 | 7,172.87 | 7,172.15 | 66.83 | 13.79 | 90.42 | -3,985.78 | -938.50 | 1,645.46 | 1,562.60 | 82.86 | 19.858 | | |
| 11,000.00 | 7,185.82 | 7,170.79 | 7,170.06 | 68.66 | 13.79 | 90.34 | -3,985.77 | -938.49 | 1,600.69 | 1,515.91 | 84.78 | 18.881 | | |
| 11,100.00 | 7,183.69 | 7,168.74 | 7,168.02 | 70.50 | 13.78 | 90.26 | -3,985.76 | -938.49 | 1,561.04 | 1,474.35 | 86.70 | 18.006 | | |
| 11,200.00 | 7,181.56 | 7,166.74 | 7,166.02 | 72.35 | 13.78 | 90.18 | -3,985.76 | -938.48 | 1,526.92 | 1,438.31 | 88.62 | 17.230 | | |
| 11,300.00 | 7,179.44 | 7,164.78 | 7,164.06 | 74.19 | 13.77 | 90.10 | -3,985.75 | -938.48 | 1,498.71 | 1,408.17 | 90.55 | 16.552 | | |
| 11,400.00 | 7,177.31 | 7,162.86 | 7,162.14 | 76.04 | 13.77 | 90.03 | -3,985.74 | -938.47 | 1,476.74 | 1,384.27 | 92.48 | 15.969 | | |
| 11,500.00 | 7,175.18 | 7,160.98 | 7,160.26 | 77.90 | 13.76 | 89.95 | -3,985.73 | -938.47 | 1,461.30 | 1,366.89 | 94.41 | 15.478 | | |
| 11,600.00 | 7,173.05 | 7,159.13 | 7,158.41 | 79.75 | 13.76 | 89.88 | -3,985.73 | -938.46 | 1,452.59 | 1,356.25 | 96.34 | 15.077 | | |
| 11,676.93 | 7,171.41 | 7,157.74 | 7,157.02 | 81.18 | 13.76 | 89.83 | -3,985.72 | -938.46 | 1,450.55 | 1,352.70 | 97.86 | 14.823 CC | | |
| 11,700.00 | 7,170.92 | 7,157.32 | 7,156.60 | 81.61 | 13.76 | 89.81 | -3,985.72 | -938.46 | 1,450.74 | 1,352.46 | 98.28 | 14.761 ES | | |
| 11,800.00 | 7,168.80 | 7,155.55 | 7,154.83 | 83.47 | 13.75 | 89.74 | -3,985.71 | -938.45 | 1,455.76 | 1,355.54 | 100.22 | 14.525 | | |
| 11,837.41 | 7,168.00 | 7,154.89 | 7,154.17 | 84.17 | 13.75 | 89.71 | -3,985.71 | -938.45 | 1,459.40 | 1,358.45 | 100.95 | 14.457 SF | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|--------------------|---------|--|
| WELD_CAMP 5 PAD - HSR-ROZEMA 4-26 offset - HSR-ROZEMA 4-26 - HSR-ROZEMA 4-26 | | | | | | | | | | | | Offset Well Error: | 0.00 ft | |
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | | | |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -89.74 | 16.26 | -3,573.13 | 3,574.25 | | | | | |
| 100.00 | 100.00 | 11.01 | 11.01 | 0.08 | 0.01 | -89.74 | 16.26 | -3,573.13 | 3,573.17 | 3,573.07 | 0.10 | N/A CC | | |
| 200.00 | 200.00 | 103.01 | 103.01 | 0.31 | 0.14 | -89.74 | 16.40 | -3,573.26 | 3,573.31 | 3,572.86 | 0.45 | 7,947.924 | | |
| 300.00 | 300.00 | 201.99 | 201.99 | 0.53 | 0.40 | -89.73 | 16.56 | -3,573.53 | 3,573.58 | 3,572.65 | 0.93 | 3,843.455 | | |
| 400.00 | 400.00 | 306.63 | 306.63 | 0.76 | 0.62 | -89.74 | 16.51 | -3,573.75 | 3,573.79 | 3,572.41 | 1.38 | 2,598.248 | | |
| 500.00 | 500.00 | 403.47 | 403.47 | 0.98 | 0.82 | -89.74 | 16.31 | -3,573.94 | 3,573.98 | 3,572.18 | 1.80 | 1,983.004 | | |
| 600.00 | 600.00 | 500.00 | 500.00 | 1.21 | 1.05 | -89.74 | 16.23 | -3,574.23 | 3,574.29 | 3,572.03 | 2.26 | 1,580.041 | | |
| 700.00 | 700.00 | 605.07 | 605.07 | 1.43 | 1.33 | -89.74 | 16.25 | -3,574.52 | 3,574.57 | 3,571.81 | 2.76 | 1,295.733 | | |
| 800.00 | 800.00 | 700.00 | 700.00 | 1.66 | 1.56 | -89.74 | 16.37 | -3,574.83 | 3,574.89 | 3,571.67 | 3.22 | 1,110.249 | | |
| 900.00 | 900.00 | 804.43 | 804.43 | 1.88 | 1.79 | -89.73 | 16.73 | -3,575.17 | 3,575.22 | 3,571.55 | 3.67 | 973.827 | | |
| 1,000.00 | 1,000.00 | 902.71 | 902.70 | 2.11 | 1.99 | -89.72 | 17.18 | -3,575.40 | 3,575.45 | 3,571.35 | 4.10 | 872.078 | | |
| 1,100.00 | 1,100.00 | 1,000.00 | 999.99 | 2.33 | 2.22 | -89.72 | 17.54 | -3,575.69 | 3,575.75 | 3,571.20 | 4.55 | 785.224 | | |
| 1,200.00 | 1,200.00 | 1,103.78 | 1,103.77 | 2.56 | 2.47 | -89.71 | 17.93 | -3,575.98 | 3,576.04 | 3,571.01 | 5.03 | 711.520 | | |
| 1,300.00 | 1,300.00 | 1,204.98 | 1,204.98 | 2.78 | 2.70 | -89.70 | 18.42 | -3,576.19 | 3,576.25 | 3,570.77 | 5.48 | 652.698 ES | | |
| 1,400.00 | 1,399.98 | 1,303.63 | 1,303.62 | 3.00 | 2.92 | -126.10 | 19.05 | -3,576.40 | 3,577.49 | 3,571.56 | 5.93 | 603.558 | | |
| 1,500.00 | 1,499.84 | 1,400.00 | 1,399.99 | 3.23 | 3.15 | -126.10 | 19.76 | -3,576.70 | 3,580.89 | 3,574.52 | 6.38 | 561.705 | | |
| 1,600.00 | 1,599.45 | 1,489.60 | 1,489.58 | 3.45 | 3.38 | -126.10 | 20.31 | -3,577.15 | 3,586.54 | 3,579.71 | 6.82 | 525.544 | | |
| 1,700.00 | 1,698.70 | 1,592.76 | 1,592.74 | 3.69 | 3.65 | -126.13 | 20.70 | -3,577.74 | 3,594.33 | 3,587.01 | 7.32 | 490.998 | | |
| 1,800.00 | 1,797.61 | 1,696.63 | 1,696.60 | 3.95 | 3.91 | -126.28 | 21.24 | -3,578.19 | 3,603.51 | 3,595.69 | 7.82 | 460.726 | | |
| 1,900.00 | 1,896.51 | 1,804.43 | 1,804.40 | 4.22 | 4.17 | -126.47 | 22.06 | -3,578.45 | 3,612.61 | 3,604.28 | 8.32 | 434.089 | | |
| 2,000.00 | 1,995.40 | 1,914.38 | 1,914.35 | 4.51 | 4.37 | -126.67 | 22.61 | -3,578.41 | 3,621.46 | 3,612.67 | 8.79 | 412.162 | | |
| 2,100.00 | 2,094.30 | 2,023.93 | 2,023.90 | 4.80 | 4.53 | -126.87 | 23.01 | -3,578.08 | 3,630.10 | 3,620.89 | 9.21 | 394.262 | | |
| 2,200.00 | 2,193.19 | 2,140.50 | 2,140.46 | 5.10 | 4.69 | -127.08 | 23.81 | -3,577.17 | 3,638.27 | 3,628.64 | 9.63 | 377.684 | | |
| 2,300.00 | 2,292.09 | 2,246.70 | 2,246.66 | 5.41 | 4.84 | -127.26 | 24.74 | -3,576.08 | 3,646.25 | 3,636.19 | 10.06 | 362.414 | | |
| 2,400.00 | 2,390.98 | 2,351.87 | 2,351.81 | 5.72 | 4.99 | -127.44 | 25.73 | -3,574.74 | 3,654.01 | 3,643.52 | 10.49 | 348.388 | | |
| 2,500.00 | 2,489.88 | 2,450.93 | 2,450.86 | 6.04 | 5.11 | -127.62 | 26.19 | -3,573.43 | 3,661.76 | 3,650.86 | 10.90 | 336.072 | | |
| 2,600.00 | 2,588.77 | 2,543.00 | 2,542.92 | 6.36 | 5.22 | -127.79 | 26.50 | -3,572.25 | 3,669.60 | 3,658.30 | 11.30 | 324.861 | | |
| 2,700.00 | 2,687.67 | 2,633.53 | 2,633.45 | 6.68 | 5.34 | -127.95 | 26.76 | -3,571.36 | 3,677.77 | 3,666.06 | 11.71 | 314.199 | | |
| 2,800.00 | 2,786.56 | 2,731.62 | 2,731.54 | 7.01 | 5.48 | -128.12 | 27.00 | -3,570.46 | 3,686.03 | 3,673.90 | 12.14 | 303.750 | | |
| 2,900.00 | 2,885.46 | 2,826.16 | 2,826.07 | 7.34 | 5.63 | -128.29 | 27.24 | -3,569.69 | 3,694.44 | 3,681.87 | 12.57 | 293.861 | | |
| 3,000.00 | 2,984.36 | 2,924.94 | 2,924.85 | 7.67 | 5.79 | -128.47 | 27.55 | -3,568.94 | 3,702.94 | 3,689.90 | 13.03 | 284.107 | | |
| 3,100.00 | 3,083.25 | 3,022.44 | 3,022.35 | 8.00 | 5.98 | -128.63 | 27.97 | -3,568.21 | 3,711.47 | 3,697.95 | 13.51 | 274.684 | | |
| 3,200.00 | 3,182.15 | 3,115.87 | 3,115.78 | 8.34 | 6.17 | -128.80 | 28.44 | -3,567.64 | 3,720.17 | 3,706.17 | 14.00 | 265.719 | | |
| 3,300.00 | 3,281.04 | 3,221.17 | 3,221.07 | 8.67 | 6.40 | -128.97 | 29.09 | -3,566.95 | 3,728.85 | 3,714.33 | 14.52 | 256.817 | | |
| 3,400.00 | 3,379.94 | 3,316.47 | 3,316.36 | 9.01 | 6.57 | -129.14 | 29.36 | -3,566.28 | 3,737.53 | 3,722.54 | 14.99 | 249.280 | | |
| 3,500.00 | 3,478.83 | 3,407.31 | 3,407.20 | 9.35 | 6.72 | -129.30 | 29.36 | -3,565.80 | 3,746.44 | 3,731.00 | 15.43 | 242.730 | | |
| 3,600.00 | 3,577.73 | 3,514.58 | 3,514.47 | 9.69 | 6.90 | -129.49 | 29.46 | -3,565.19 | 3,755.33 | 3,739.42 | 15.92 | 235.947 | | |
| 3,700.00 | 3,676.62 | 3,600.00 | 3,599.89 | 10.03 | 7.06 | -129.64 | 29.50 | -3,564.67 | 3,764.24 | 3,747.88 | 16.37 | 229.996 | | |
| 3,800.00 | 3,775.52 | 3,684.70 | 3,684.59 | 10.37 | 7.15 | -129.79 | 29.24 | -3,564.44 | 3,773.55 | 3,756.79 | 16.76 | 225.143 | | |
| 3,900.00 | 3,874.41 | 3,765.53 | 3,765.42 | 10.72 | 7.22 | -129.94 | 28.73 | -3,564.67 | 3,783.44 | 3,766.32 | 17.13 | 220.929 | | |
| 4,000.00 | 3,973.31 | 3,848.13 | 3,848.01 | 11.06 | 7.29 | -130.09 | 28.12 | -3,565.27 | 3,793.81 | 3,776.32 | 17.49 | 216.880 | | |
| 4,100.00 | 4,072.20 | 3,932.08 | 3,931.96 | 11.40 | 7.37 | -130.24 | 27.27 | -3,566.21 | 3,804.62 | 3,786.75 | 17.87 | 212.905 | | |
| 4,200.00 | 4,171.10 | 4,023.57 | 4,023.42 | 11.75 | 7.46 | -130.41 | 26.17 | -3,567.54 | 3,815.81 | 3,797.55 | 18.26 | 208.940 | | |
| 4,300.00 | 4,269.99 | 4,115.80 | 4,115.64 | 12.09 | 7.62 | -130.65 | 25.17 | -3,569.08 | 3,826.79 | 3,808.07 | 18.72 | 204.476 | | |
| 4,400.00 | 4,368.89 | 4,284.54 | 4,284.39 | 12.44 | 7.84 | -130.87 | 25.27 | -3,569.44 | 3,836.77 | 3,817.54 | 19.23 | 199.504 | | |
| 4,500.00 | 4,467.78 | 4,393.61 | 4,393.45 | 12.78 | 8.09 | -131.04 | 26.00 | -3,569.24 | 3,846.30 | 3,826.53 | 19.77 | 194.551 | | |
| 4,600.00 | 4,566.68 | 4,486.29 | 4,486.12 | 13.13 | 8.30 | -131.19 | 26.58 | -3,569.03 | 3,855.83 | 3,835.55 | 20.28 | 190.125 | | |
| 4,700.00 | 4,665.57 | 4,587.78 | 4,587.62 | 13.48 | 8.54 | -131.34 | 27.35 | -3,568.88 | 3,865.46 | 3,844.64 | 20.81 | 185.709 | | |
| 4,800.00 | 4,764.47 | 4,680.40 | 4,680.23 | 13.82 | 8.76 | -131.48 | 28.23 | -3,568.78 | 3,875.13 | 3,853.80 | 21.33 | 181.670 | | |
| 4,900.00 | 4,863.36 | 4,791.44 | 4,791.27 | 14.17 | 9.02 | -131.65 | 29.26 | -3,568.65 | 3,884.83 | 3,862.94 | 21.89 | 177.481 | | |
| 5,000.00 | 4,962.26 | 4,911.51 | 4,911.32 | 14.52 | 9.30 | -131.83 | 30.51 | -3,567.93 | 3,894.06 | 3,871.60 | 22.46 | 173.395 | | |
| 5,100.00 | 5,061.15 | 5,011.94 | 5,011.75 | 14.87 | 9.49 | -131.99 | 30.90 | -3,566.97 | 3,903.03 | 3,880.08 | 22.94 | 170.127 | | |

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

Anadarko Petroleum Corp
Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | WELD_CAMP 5 PAD - HSR-ROZEMA 4-26 offset - HSR-ROZEMA 4-26 - HSR-ROZEMA 4-26 | Offset Site Error: | 0.00 ft |
|--------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--|--------------------|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | |
| 5,200.00 | 5,160.05 | 5,100.00 | 5,099.81 | 15.21 | 9.61 | -132.14 | 30.63 | -3,566.21 | 3,912.18 | 3,888.82 | 23.36 | 167.442 | | | |
| 5,300.00 | 5,258.94 | 5,194.95 | 5,194.75 | 15.56 | 9.75 | -132.30 | 30.37 | -3,565.57 | 3,921.56 | 3,897.76 | 23.80 | 164.763 | | | |
| 5,400.00 | 5,357.84 | 5,298.05 | 5,297.85 | 15.91 | 9.91 | -132.47 | 30.13 | -3,564.86 | 3,930.96 | 3,906.70 | 24.26 | 162.067 | | | |
| 5,500.00 | 5,456.73 | 5,395.62 | 5,395.42 | 16.26 | 10.06 | -132.63 | 29.78 | -3,564.14 | 3,940.35 | 3,915.65 | 24.70 | 159.556 | | | |
| 5,600.00 | 5,555.63 | 5,489.22 | 5,489.01 | 16.61 | 10.24 | -132.78 | 29.81 | -3,563.57 | 3,949.85 | 3,924.68 | 25.17 | 156.931 | | | |
| 5,700.00 | 5,654.52 | 5,573.27 | 5,573.06 | 16.96 | 10.43 | -132.91 | 30.13 | -3,563.29 | 3,959.62 | 3,933.97 | 25.65 | 154.348 | | | |
| 5,800.00 | 5,753.42 | 5,667.02 | 5,666.82 | 17.31 | 10.65 | -133.05 | 30.49 | -3,563.28 | 3,969.73 | 3,943.57 | 26.16 | 151.720 | | | |
| 5,900.00 | 5,852.31 | 5,761.04 | 5,760.84 | 17.66 | 10.86 | -133.19 | 31.09 | -3,563.36 | 3,979.93 | 3,953.26 | 26.67 | 149.226 | | | |
| 6,000.00 | 5,951.21 | 5,867.65 | 5,867.44 | 18.01 | 11.10 | -133.35 | 31.64 | -3,563.50 | 3,990.22 | 3,963.02 | 27.20 | 146.693 | | | |
| 6,100.00 | 6,050.10 | 5,966.31 | 5,966.09 | 18.36 | 11.33 | -133.48 | 32.75 | -3,563.48 | 4,000.30 | 3,972.58 | 27.72 | 144.290 | | | |
| 6,200.00 | 6,149.00 | 6,075.89 | 6,075.65 | 18.71 | 11.59 | -133.63 | 34.66 | -3,563.55 | 4,010.42 | 3,982.15 | 28.28 | 141.828 | | | |
| 6,300.00 | 6,247.89 | 6,174.37 | 6,174.12 | 19.06 | 11.83 | -133.75 | 36.51 | -3,563.39 | 4,020.31 | 3,991.50 | 28.81 | 139.562 | | | |
| 6,400.00 | 6,346.79 | 6,277.09 | 6,276.82 | 19.41 | 12.08 | -133.89 | 38.03 | -3,563.21 | 4,030.26 | 4,000.92 | 29.35 | 137.329 | | | |
| 6,500.00 | 6,445.68 | 6,386.06 | 6,385.79 | 19.76 | 12.35 | -134.03 | 39.41 | -3,562.78 | 4,040.05 | 4,010.15 | 29.90 | 135.101 | | | |
| 6,600.00 | 6,544.58 | 6,474.36 | 6,474.08 | 20.11 | 12.56 | -134.15 | 40.61 | -3,562.41 | 4,049.83 | 4,019.41 | 30.41 | 133.162 | | | |
| 6,700.00 | 6,643.53 | 6,561.21 | 6,560.92 | 20.44 | 12.77 | -147.59 | 41.47 | -3,562.29 | 4,059.87 | 4,028.98 | 30.89 | 131.416 | | | |
| 6,800.00 | 6,743.00 | 6,671.46 | 6,671.17 | 20.62 | 13.04 | 123.48 | 42.62 | -3,562.28 | 4,068.34 | 4,037.07 | 31.27 | 130.098 | | | |
| 6,900.00 | 6,840.75 | 6,770.92 | 6,770.62 | 20.64 | 13.28 | 99.48 | 43.29 | -3,561.88 | 4,073.96 | 4,042.44 | 31.52 | 129.244 | | | |
| 7,000.00 | 6,933.82 | 6,854.40 | 6,854.11 | 20.54 | 13.48 | 92.96 | 43.59 | -3,561.64 | 4,077.28 | 4,045.64 | 31.64 | 128.878 | | | |
| 7,100.00 | 7,019.36 | 6,943.31 | 6,943.01 | 20.31 | 13.69 | 90.54 | 43.76 | -3,561.53 | 4,078.64 | 4,046.95 | 31.69 | 128.689 | | | |
| 7,200.00 | 7,094.79 | 7,029.85 | 7,029.56 | 20.01 | 13.89 | 89.80 | 43.93 | -3,561.12 | 4,078.10 | 4,046.40 | 31.70 | 128.646 | | | |
| 7,300.00 | 7,157.81 | 7,089.53 | 7,089.23 | 19.66 | 14.01 | 89.65 | 44.04 | -3,560.82 | 4,076.60 | 4,044.96 | 31.63 | 128.878 | | | |
| 7,400.00 | 7,206.51 | 7,132.75 | 7,132.45 | 19.29 | 14.09 | 89.78 | 44.09 | -3,560.64 | 4,074.84 | 4,043.28 | 31.56 | 129.134 | | | |
| 7,500.00 | 7,239.40 | 7,161.45 | 7,161.15 | 18.94 | 14.13 | 89.98 | 44.09 | -3,560.56 | 4,073.40 | 4,041.86 | 31.54 | 129.135 | | | |
| 7,600.00 | 7,255.49 | 7,175.57 | 7,175.27 | 18.63 | 14.15 | 90.10 | 44.09 | -3,560.53 | 4,072.66 | 4,041.02 | 31.64 | 128.719 | | | |
| 7,628.78 | 7,257.25 | 7,177.12 | 7,176.82 | 18.53 | 14.15 | 90.11 | 44.09 | -3,560.53 | 4,072.64 | 4,040.93 | 31.71 | 128.434 | | | |
| 7,700.00 | 7,256.04 | 7,176.09 | 7,175.80 | 18.39 | 14.15 | 90.09 | 44.09 | -3,560.53 | 4,072.98 | 4,041.12 | 31.87 | 127.809 | | | |
| 7,800.00 | 7,253.91 | 7,174.27 | 7,173.97 | 18.51 | 14.15 | 90.07 | 44.09 | -3,560.53 | 4,075.54 | 4,043.26 | 32.28 | 126.256 | | | |
| 7,900.00 | 7,251.78 | 7,172.44 | 7,172.14 | 19.20 | 14.15 | 90.04 | 44.09 | -3,560.54 | 4,080.54 | 4,047.66 | 32.88 | 124.110 | | | |
| 8,000.00 | 7,249.65 | 7,170.60 | 7,170.30 | 20.08 | 14.14 | 90.02 | 44.09 | -3,560.54 | 4,087.98 | 4,054.31 | 33.67 | 121.400 | | | |
| 8,100.00 | 7,247.53 | 7,168.76 | 7,168.46 | 21.07 | 14.14 | 89.99 | 44.09 | -3,560.55 | 4,097.85 | 4,063.17 | 34.68 | 118.174 | | | |
| 8,200.00 | 7,245.40 | 7,166.90 | 7,166.60 | 22.17 | 14.14 | 89.96 | 44.09 | -3,560.55 | 4,110.12 | 4,074.31 | 35.81 | 114.776 | | | |
| 8,300.00 | 7,243.27 | 7,165.03 | 7,164.73 | 23.36 | 14.14 | 89.94 | 44.09 | -3,560.55 | 4,124.79 | 4,087.73 | 37.06 | 111.312 | | | |
| 8,400.00 | 7,241.14 | 7,163.16 | 7,162.86 | 24.64 | 14.13 | 89.91 | 44.09 | -3,560.56 | 4,141.82 | 4,103.42 | 38.40 | 107.865 | | | |
| 8,500.00 | 7,239.01 | 7,161.27 | 7,160.97 | 25.98 | 14.13 | 89.88 | 44.09 | -3,560.56 | 4,161.18 | 4,121.35 | 39.82 | 104.494 | | | |
| 8,600.00 | 7,236.89 | 7,159.38 | 7,159.08 | 27.39 | 14.13 | 89.86 | 44.09 | -3,560.57 | 4,182.84 | 4,141.52 | 41.32 | 101.242 | | | |
| 8,700.00 | 7,234.76 | 7,157.47 | 7,157.18 | 28.85 | 14.12 | 89.83 | 44.09 | -3,560.57 | 4,206.76 | 4,163.90 | 42.87 | 98.134 | | | |
| 8,800.00 | 7,232.63 | 7,155.56 | 7,155.26 | 30.36 | 14.12 | 89.80 | 44.09 | -3,560.58 | 4,232.92 | 4,188.45 | 44.47 | 95.187 | | | |
| 8,900.00 | 7,230.50 | 7,153.64 | 7,153.34 | 31.91 | 14.12 | 89.78 | 44.09 | -3,560.58 | 4,261.25 | 4,215.14 | 46.11 | 92.406 | | | |
| 9,000.00 | 7,228.38 | 7,151.71 | 7,151.41 | 33.49 | 14.11 | 89.75 | 44.09 | -3,560.59 | 4,291.74 | 4,243.94 | 47.80 | 89.792 | | | |
| 9,100.00 | 7,226.25 | 7,149.77 | 7,149.47 | 35.11 | 14.11 | 89.72 | 44.09 | -3,560.59 | 4,324.31 | 4,274.80 | 49.51 | 87.343 | | | |
| 9,200.00 | 7,224.12 | 7,147.81 | 7,147.52 | 36.75 | 14.11 | 89.70 | 44.09 | -3,560.60 | 4,358.94 | 4,307.69 | 51.25 | 85.052 | | | |
| 9,300.00 | 7,221.99 | 7,145.85 | 7,145.55 | 38.41 | 14.11 | 89.67 | 44.09 | -3,560.60 | 4,395.57 | 4,342.56 | 53.01 | 82.913 | | | |
| 9,400.00 | 7,219.86 | 7,143.88 | 7,143.58 | 40.10 | 14.10 | 89.64 | 44.09 | -3,560.61 | 4,434.16 | 4,379.36 | 54.80 | 80.916 | | | |
| 9,500.00 | 7,217.74 | 7,141.90 | 7,141.60 | 41.80 | 14.10 | 89.61 | 44.09 | -3,560.62 | 4,474.64 | 4,418.04 | 56.60 | 79.054 | | | |
| 9,600.00 | 7,215.61 | 7,139.91 | 7,139.61 | 43.53 | 14.10 | 89.58 | 44.09 | -3,560.62 | 4,516.97 | 4,458.55 | 58.42 | 77.318 | | | |
| 9,700.00 | 7,213.48 | 7,137.91 | 7,137.61 | 45.26 | 14.09 | 89.56 | 44.09 | -3,560.63 | 4,561.11 | 4,500.85 | 60.25 | 75.699 | | | |
| 9,800.00 | 7,211.35 | 7,135.90 | 7,135.60 | 47.01 | 14.09 | 89.53 | 44.09 | -3,560.63 | 4,606.99 | 4,544.89 | 62.10 | 74.188 | | | |
| 9,900.00 | 7,209.22 | 7,133.88 | 7,133.58 | 48.77 | 14.09 | 89.50 | 44.09 | -3,560.64 | 4,654.56 | 4,590.61 | 63.96 | 72.779 | | | |
| 10,000.00 | 7,207.10 | 7,131.85 | 7,131.55 | 50.54 | 14.08 | 89.47 | 44.09 | -3,560.65 | 4,703.79 | 4,637.96 | 65.82 | 71.463 | | | |
| 10,100.00 | 7,204.97 | 7,129.80 | 7,129.51 | 52.32 | 14.08 | 89.44 | 44.08 | -3,560.66 | 4,754.60 | 4,686.90 | 67.70 | 70.234 | | | |
| 10,200.00 | 7,202.84 | 7,127.75 | 7,127.45 | 54.11 | 14.08 | 89.41 | 44.08 | -3,560.66 | 4,806.95 | 4,737.38 | 69.58 | 69.086 | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|--------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|--------------------|-------------------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | | Separation Factor |
| 10,300.00 | 7,200.71 | 7,125.69 | 7,125.39 | 55.91 | 14.07 | 89.38 | 44.08 | -3,560.67 | 4,860.80 | 4,789.33 | 71.47 | 68.013 | |
| 10,400.00 | 7,198.59 | 7,123.61 | 7,123.32 | 57.72 | 14.07 | 89.35 | 44.08 | -3,560.68 | 4,916.09 | 4,842.73 | 73.37 | 67.008 | |
| 10,500.00 | 7,196.46 | 7,121.53 | 7,121.23 | 59.53 | 14.07 | 89.33 | 44.08 | -3,560.69 | 4,972.78 | 4,897.51 | 75.27 | 66.068 | |
| 10,600.00 | 7,194.33 | 7,119.44 | 7,119.14 | 61.34 | 14.06 | 89.30 | 44.08 | -3,560.69 | 5,030.82 | 4,953.64 | 77.18 | 65.187 | |
| 10,700.00 | 7,192.20 | 7,117.33 | 7,117.03 | 63.17 | 14.06 | 89.27 | 44.07 | -3,560.70 | 5,090.16 | 5,011.07 | 79.09 | 64.360 | |
| 10,800.00 | 7,190.07 | 7,115.21 | 7,114.91 | 64.99 | 14.06 | 89.24 | 44.07 | -3,560.71 | 5,150.75 | 5,069.75 | 81.01 | 63.585 | |
| 10,900.00 | 7,187.95 | 7,113.08 | 7,112.78 | 66.83 | 14.05 | 89.21 | 44.07 | -3,560.72 | 5,212.56 | 5,129.63 | 82.93 | 62.858 | |
| 11,000.00 | 7,185.82 | 7,110.94 | 7,110.65 | 68.66 | 14.05 | 89.18 | 44.07 | -3,560.73 | 5,275.54 | 5,190.69 | 84.85 | 62.174 | |
| 11,100.00 | 7,183.69 | 7,108.79 | 7,108.49 | 70.50 | 14.05 | 89.15 | 44.06 | -3,560.74 | 5,339.65 | 5,252.87 | 86.78 | 61.531 | |
| 11,200.00 | 7,181.56 | 7,106.63 | 7,106.33 | 72.35 | 14.04 | 89.12 | 44.06 | -3,560.75 | 5,404.84 | 5,316.13 | 88.71 | 60.927 | |
| 11,300.00 | 7,179.44 | 7,104.46 | 7,104.16 | 74.19 | 14.04 | 89.09 | 44.06 | -3,560.75 | 5,471.09 | 5,380.44 | 90.64 | 60.357 | |
| 11,400.00 | 7,177.31 | 7,102.27 | 7,101.97 | 76.04 | 14.04 | 89.05 | 44.06 | -3,560.76 | 5,538.35 | 5,445.77 | 92.58 | 59.821 | |
| 11,500.00 | 7,175.18 | 7,100.00 | 7,099.70 | 77.90 | 14.03 | 89.02 | 44.05 | -3,560.77 | 5,606.58 | 5,512.06 | 94.52 | 59.316 | |
| 11,600.00 | 7,173.05 | 7,097.86 | 7,097.56 | 79.75 | 14.03 | 88.99 | 44.05 | -3,560.78 | 5,675.76 | 5,579.30 | 96.46 | 58.840 | |
| 11,700.00 | 7,170.92 | 7,095.64 | 7,095.34 | 81.61 | 14.02 | 88.96 | 44.05 | -3,560.79 | 5,745.84 | 5,647.44 | 98.40 | 58.390 | |
| 11,800.00 | 7,168.80 | 7,093.41 | 7,093.12 | 83.47 | 14.02 | 88.93 | 44.04 | -3,560.80 | 5,816.80 | 5,716.45 | 100.35 | 57.966 | |
| 11,837.41 | 7,168.00 | 7,092.58 | 7,092.28 | 84.17 | 14.02 | 88.92 | 44.04 | -3,560.81 | 5,843.57 | 5,742.49 | 101.08 | 57.813 SF | |

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

Anadarko Petroleum Corp Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | | | |
|--------------------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|-----------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|---------|--|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | | 0.00 ft | | |
| Reference | | | | Offset | | | | Semi Major Axis | | | | | Distance | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -90.17 | -7.20 | -2,422.87 | 2,423.84 | | | | | | | | |
| 100.00 | 100.00 | 33.57 | 33.57 | 0.08 | 0.04 | -90.17 | -7.21 | -2,422.86 | 2,422.87 | 2,422.74 | 0.13 | N/A | | | | | |
| 200.00 | 200.00 | 136.49 | 136.49 | 0.31 | 0.23 | -90.17 | -7.37 | -2,422.71 | 2,422.72 | 2,422.18 | 0.54 | 4,500.064 | | | | | |
| 291.72 | 291.72 | 223.73 | 223.73 | 0.52 | 0.43 | -90.18 | -7.57 | -2,422.57 | 2,422.58 | 2,421.64 | 0.95 | 2,559.903 CC | | | | | |
| 300.00 | 300.00 | 230.76 | 230.76 | 0.53 | 0.44 | -90.18 | -7.57 | -2,422.57 | 2,422.59 | 2,421.61 | 0.97 | 2,484.796 ES | | | | | |
| 400.00 | 400.00 | 319.32 | 319.32 | 0.76 | 0.56 | -90.18 | -7.51 | -2,422.89 | 2,422.93 | 2,421.62 | 1.32 | 1,840.521 | | | | | |
| 500.00 | 500.00 | 423.00 | 423.00 | 0.98 | 0.68 | -90.17 | -7.17 | -2,423.35 | 2,423.37 | 2,421.72 | 1.66 | 1,461.287 | | | | | |
| 600.00 | 600.00 | 520.84 | 520.84 | 1.21 | 0.86 | -90.17 | -7.07 | -2,423.68 | 2,423.72 | 2,421.65 | 2.07 | 1,172.314 | | | | | |
| 700.00 | 700.00 | 605.75 | 605.74 | 1.43 | 1.05 | -90.17 | -7.26 | -2,424.36 | 2,424.52 | 2,422.03 | 2.49 | 975.240 | | | | | |
| 800.00 | 800.00 | 716.38 | 716.37 | 1.66 | 1.32 | -90.19 | -7.85 | -2,425.28 | 2,425.34 | 2,422.37 | 2.98 | 814.775 | | | | | |
| 900.00 | 900.00 | 814.62 | 814.61 | 1.88 | 1.56 | -90.20 | -8.50 | -2,425.93 | 2,426.00 | 2,422.56 | 3.44 | 704.545 | | | | | |
| 1,000.00 | 1,000.00 | 909.35 | 909.32 | 2.11 | 1.80 | -90.21 | -8.93 | -2,426.74 | 2,426.87 | 2,422.96 | 3.91 | 621.302 | | | | | |
| 1,100.00 | 1,100.00 | 1,022.38 | 1,022.36 | 2.33 | 2.08 | -90.22 | -9.43 | -2,427.44 | 2,427.47 | 2,423.06 | 4.42 | 549.734 | | | | | |
| 1,200.00 | 1,200.00 | 1,121.63 | 1,121.60 | 2.56 | 2.34 | -90.23 | -9.73 | -2,427.83 | 2,427.87 | 2,422.98 | 4.89 | 496.092 | | | | | |
| 1,300.00 | 1,300.00 | 1,218.20 | 1,218.18 | 2.78 | 2.59 | -90.23 | -9.92 | -2,428.32 | 2,428.38 | 2,423.01 | 5.37 | 452.388 | | | | | |
| 1,400.00 | 1,399.98 | 1,317.21 | 1,317.18 | 3.00 | 2.84 | -126.65 | -10.11 | -2,428.91 | 2,430.02 | 2,424.17 | 5.85 | 415.508 | | | | | |
| 1,500.00 | 1,499.84 | 1,416.85 | 1,416.82 | 3.23 | 3.10 | -126.69 | -10.30 | -2,429.50 | 2,433.74 | 2,427.41 | 6.33 | 384.688 | | | | | |
| 1,600.00 | 1,599.45 | 1,511.60 | 1,511.57 | 3.45 | 3.35 | -126.76 | -10.49 | -2,430.20 | 2,439.70 | 2,432.91 | 6.79 | 359.165 | | | | | |
| 1,700.00 | 1,698.70 | 1,616.48 | 1,616.44 | 3.69 | 3.62 | -126.87 | -10.73 | -2,430.91 | 2,447.72 | 2,440.43 | 7.29 | 335.768 | | | | | |
| 1,800.00 | 1,797.61 | 1,716.66 | 1,716.62 | 3.95 | 3.87 | -127.11 | -10.81 | -2,431.49 | 2,457.21 | 2,449.44 | 7.77 | 316.102 | | | | | |
| 1,900.00 | 1,896.51 | 1,823.31 | 1,823.27 | 4.22 | 4.07 | -127.40 | -10.48 | -2,431.88 | 2,466.61 | 2,458.39 | 8.22 | 300.121 | | | | | |
| 2,000.00 | 1,995.40 | 1,925.43 | 1,925.39 | 4.51 | 4.22 | -127.67 | -10.22 | -2,432.00 | 2,475.82 | 2,467.19 | 8.63 | 286.880 | | | | | |
| 2,100.00 | 2,094.30 | 2,020.89 | 2,020.85 | 4.80 | 4.42 | -127.93 | -10.17 | -2,432.15 | 2,485.12 | 2,476.03 | 9.09 | 273.411 | | | | | |
| 2,200.00 | 2,193.19 | 2,116.28 | 2,116.24 | 5.10 | 4.66 | -128.19 | -10.28 | -2,432.41 | 2,494.60 | 2,485.00 | 9.60 | 259.871 | | | | | |
| 2,300.00 | 2,292.09 | 2,210.31 | 2,210.27 | 5.41 | 4.90 | -128.45 | -10.67 | -2,432.84 | 2,504.33 | 2,494.22 | 10.11 | 247.720 | | | | | |
| 2,400.00 | 2,390.98 | 2,310.68 | 2,310.63 | 5.72 | 5.14 | -128.73 | -11.36 | -2,433.32 | 2,514.15 | 2,503.52 | 10.63 | 236.599 | | | | | |
| 2,500.00 | 2,489.88 | 2,400.00 | 2,399.95 | 6.04 | 5.35 | -128.98 | -11.91 | -2,433.78 | 2,524.07 | 2,512.95 | 11.12 | 226.914 | | | | | |
| 2,600.00 | 2,588.77 | 2,490.10 | 2,490.05 | 6.36 | 5.59 | -129.23 | -12.36 | -2,434.57 | 2,534.40 | 2,522.76 | 11.64 | 217.740 | | | | | |
| 2,700.00 | 2,687.67 | 2,588.46 | 2,588.39 | 6.68 | 5.84 | -129.49 | -12.76 | -2,435.78 | 2,545.12 | 2,532.94 | 12.18 | 208.938 | | | | | |
| 2,800.00 | 2,786.56 | 2,691.22 | 2,691.15 | 7.01 | 6.11 | -129.76 | -13.02 | -2,436.96 | 2,555.79 | 2,543.06 | 12.74 | 200.679 | | | | | |
| 2,900.00 | 2,885.46 | 2,796.92 | 2,796.85 | 7.34 | 6.38 | -130.04 | -13.57 | -2,437.92 | 2,566.31 | 2,553.02 | 13.29 | 193.078 | | | | | |
| 3,000.00 | 2,984.36 | 2,898.52 | 2,898.44 | 7.67 | 6.63 | -130.32 | -14.46 | -2,438.61 | 2,576.68 | 2,562.85 | 13.83 | 186.337 | | | | | |
| 3,100.00 | 3,083.25 | 2,995.27 | 2,995.19 | 8.00 | 6.88 | -130.57 | -15.12 | -2,439.28 | 2,587.10 | 2,572.73 | 14.36 | 180.146 | | | | | |
| 3,200.00 | 3,182.15 | 3,082.53 | 3,082.44 | 8.34 | 7.10 | -130.80 | -15.60 | -2,440.10 | 2,597.81 | 2,582.93 | 14.88 | 174.591 | | | | | |
| 3,300.00 | 3,281.04 | 3,178.15 | 3,178.05 | 8.67 | 7.36 | -131.05 | -16.31 | -2,441.30 | 2,608.90 | 2,593.48 | 15.42 | 169.192 | | | | | |
| 3,400.00 | 3,379.94 | 3,276.45 | 3,276.34 | 9.01 | 7.61 | -131.31 | -17.18 | -2,442.56 | 2,620.08 | 2,604.11 | 15.97 | 164.108 | | | | | |
| 3,500.00 | 3,478.83 | 3,374.79 | 3,374.66 | 9.35 | 7.87 | -131.57 | -18.03 | -2,443.83 | 2,631.32 | 2,614.80 | 16.51 | 159.363 | | | | | |
| 3,600.00 | 3,577.73 | 3,479.74 | 3,479.61 | 9.69 | 8.14 | -131.82 | -18.36 | -2,445.15 | 2,642.53 | 2,625.45 | 17.07 | 154.789 | | | | | |
| 3,700.00 | 3,676.62 | 3,583.74 | 3,583.60 | 10.03 | 8.40 | -132.07 | -18.38 | -2,446.23 | 2,653.53 | 2,635.90 | 17.63 | 150.546 | | | | | |
| 3,800.00 | 3,775.52 | 3,686.20 | 3,686.05 | 10.37 | 8.64 | -132.31 | -18.20 | -2,447.15 | 2,664.42 | 2,646.26 | 18.16 | 146.753 | | | | | |
| 3,900.00 | 3,874.41 | 3,795.50 | 3,795.35 | 10.72 | 8.84 | -132.54 | -17.14 | -2,447.95 | 2,675.11 | 2,656.47 | 18.64 | 143.534 | | | | | |
| 4,000.00 | 3,973.31 | 3,884.88 | 3,884.71 | 11.06 | 8.97 | -132.72 | -15.62 | -2,448.64 | 2,685.78 | 2,666.72 | 19.06 | 140.925 | | | | | |
| 4,100.00 | 4,072.20 | 4,025.63 | 4,025.42 | 11.40 | 9.12 | -132.98 | -12.43 | -2,448.99 | 2,695.90 | 2,676.40 | 19.50 | 138.231 | | | | | |
| 4,200.00 | 4,171.10 | 4,133.22 | 4,132.97 | 11.75 | 9.20 | -133.17 | -9.56 | -2,448.36 | 2,705.18 | 2,685.31 | 19.87 | 136.131 | | | | | |
| 4,300.00 | 4,269.99 | 4,244.98 | 4,244.70 | 12.09 | 9.26 | -133.38 | -7.18 | -2,447.11 | 2,714.02 | 2,693.79 | 20.23 | 134.190 | | | | | |
| 4,400.00 | 4,368.89 | 4,354.92 | 4,354.62 | 12.44 | 9.31 | -133.59 | -5.41 | -2,445.40 | 2,722.54 | 2,701.97 | 20.56 | 132.409 | | | | | |
| 4,500.00 | 4,467.78 | 4,464.87 | 4,464.52 | 12.78 | 9.35 | -133.81 | -3.57 | -2,443.21 | 2,730.63 | 2,709.74 | 20.90 | 130.661 | | | | | |
| 4,600.00 | 4,566.68 | 4,573.50 | 4,573.10 | 13.13 | 9.41 | -134.02 | -1.40 | -2,440.72 | 2,738.43 | 2,717.19 | 21.24 | 128.911 | | | | | |
| 4,700.00 | 4,665.57 | 4,699.54 | 4,699.05 | 13.48 | 9.48 | -134.24 | 1.82 | -2,437.16 | 2,745.68 | 2,724.07 | 21.61 | 127.077 | | | | | |
| 4,800.00 | 4,764.47 | 4,804.70 | 4,804.09 | 13.82 | 9.56 | -134.41 | 5.51 | -2,433.64 | 2,752.29 | 2,730.31 | 21.97 | 125.251 | | | | | |
| 4,900.00 | 4,863.36 | 4,919.88 | 4,919.12 | 14.17 | 9.65 | -134.59 | 9.48 | -2,429.35 | 2,758.55 | 2,736.20 | 22.35 | 123.417 | | | | | |
| 5,000.00 | 4,962.26 | 5,023.40 | 5,022.51 | 14.52 | 9.72 | -134.80 | 11.33 | -2,424.62 | 2,764.24 | 2,741.52 | 22.71 | 121.702 | | | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|--------------------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|--------------------|---------|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | | | Offset | | Semi Major Axis | | | Distance | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 5,100.00 | 5,061.15 | 5,100.00 | 5,099.05 | 14.87 | 9.77 | -134.96 | 11.90 | -2,421.61 | 2,770.69 | 2,747.64 | 23.06 | 120.172 | | |
| 5,200.00 | 5,160.05 | 5,165.47 | 5,164.49 | 15.21 | 9.82 | -135.11 | 11.93 | -2,419.64 | 2,778.17 | 2,754.78 | 23.40 | 118.736 | | |
| 5,300.00 | 5,258.94 | 5,245.55 | 5,244.54 | 15.56 | 9.89 | -135.30 | 11.29 | -2,417.75 | 2,786.52 | 2,762.77 | 23.75 | 117.308 | | |
| 5,400.00 | 5,357.84 | 5,331.74 | 5,330.71 | 15.91 | 9.97 | -135.51 | 10.45 | -2,416.16 | 2,795.47 | 2,771.35 | 24.12 | 115.892 | | |
| 5,500.00 | 5,456.73 | 5,424.63 | 5,423.59 | 16.26 | 10.06 | -135.73 | 9.66 | -2,414.79 | 2,804.81 | 2,780.31 | 24.50 | 114.484 | | |
| 5,600.00 | 5,555.63 | 5,531.73 | 5,530.68 | 16.61 | 10.17 | -135.96 | 9.32 | -2,413.29 | 2,814.17 | 2,789.28 | 24.89 | 113.067 | | |
| 5,700.00 | 5,654.52 | 5,640.69 | 5,639.62 | 16.96 | 10.28 | -136.19 | 9.67 | -2,411.35 | 2,823.09 | 2,797.81 | 25.28 | 111.662 | | |
| 5,800.00 | 5,753.42 | 5,738.09 | 5,737.01 | 17.31 | 10.39 | -136.39 | 10.28 | -2,409.66 | 2,832.05 | 2,806.38 | 25.67 | 110.320 | | |
| 5,900.00 | 5,852.31 | 5,835.48 | 5,834.38 | 17.66 | 10.50 | -136.58 | 11.02 | -2,407.97 | 2,841.01 | 2,814.94 | 26.07 | 108.988 | | |
| 6,000.00 | 5,951.21 | 5,937.98 | 5,936.86 | 18.01 | 10.62 | -136.78 | 12.19 | -2,406.45 | 2,850.19 | 2,823.71 | 26.48 | 107.648 | | |
| 6,100.00 | 6,050.10 | 6,058.12 | 6,056.97 | 18.36 | 10.78 | -137.01 | 13.50 | -2,403.81 | 2,858.69 | 2,831.78 | 26.91 | 106.234 | | |
| 6,200.00 | 6,149.00 | 6,155.39 | 6,154.20 | 18.71 | 10.90 | -137.20 | 14.23 | -2,401.33 | 2,866.95 | 2,839.63 | 27.32 | 104.953 | | |
| 6,300.00 | 6,247.89 | 6,249.99 | 6,248.77 | 19.06 | 11.03 | -137.39 | 14.61 | -2,399.05 | 2,875.45 | 2,847.73 | 27.72 | 103.719 | | |
| 6,400.00 | 6,346.79 | 6,360.83 | 6,359.58 | 19.41 | 11.18 | -137.61 | 15.24 | -2,396.35 | 2,883.95 | 2,855.80 | 28.15 | 102.434 | | |
| 6,500.00 | 6,445.68 | 6,442.43 | 6,441.14 | 19.76 | 11.29 | -137.77 | 15.94 | -2,394.18 | 2,892.24 | 2,863.69 | 28.55 | 101.291 | | |
| 6,600.00 | 6,544.58 | 6,506.35 | 6,505.06 | 20.11 | 11.39 | -137.89 | 16.25 | -2,393.24 | 2,901.73 | 2,872.80 | 28.93 | 100.294 | | |
| 6,700.00 | 6,643.53 | 6,600.00 | 6,598.70 | 20.44 | 11.53 | -151.38 | 16.50 | -2,392.43 | 2,911.79 | 2,882.46 | 29.33 | 99.266 | | |
| 6,800.00 | 6,743.00 | 6,687.58 | 6,686.28 | 20.62 | 11.67 | 119.75 | 16.80 | -2,391.96 | 2,919.63 | 2,890.03 | 29.60 | 98.645 | | |
| 6,900.00 | 6,840.75 | 6,787.63 | 6,786.33 | 20.64 | 11.83 | 96.00 | 17.18 | -2,391.64 | 2,924.07 | 2,894.28 | 29.79 | 98.141 | | |
| 7,000.00 | 6,933.82 | 6,876.44 | 6,875.14 | 20.54 | 11.97 | 89.90 | 17.33 | -2,391.30 | 2,925.09 | 2,895.21 | 29.89 | 97.870 | | |
| 7,100.00 | 7,019.36 | 6,951.40 | 6,950.09 | 20.31 | 12.10 | 87.88 | 17.54 | -2,391.20 | 2,923.47 | 2,893.57 | 29.90 | 97.769 | | |
| 7,200.00 | 7,094.79 | 7,015.40 | 7,014.10 | 20.01 | 12.22 | 87.45 | 17.95 | -2,391.43 | 2,920.11 | 2,890.24 | 29.87 | 97.762 | | |
| 7,300.00 | 7,157.81 | 7,069.65 | 7,068.34 | 19.66 | 12.32 | 87.76 | 18.30 | -2,391.79 | 2,915.84 | 2,886.01 | 29.83 | 97.756 | | |
| 7,400.00 | 7,206.51 | 7,122.39 | 7,121.08 | 19.29 | 12.43 | 88.53 | 18.59 | -2,392.24 | 2,911.49 | 2,881.66 | 29.83 | 97.599 | | |
| 7,500.00 | 7,239.40 | 7,176.30 | 7,174.99 | 18.94 | 12.53 | 89.59 | 19.02 | -2,392.40 | 2,907.62 | 2,877.70 | 29.92 | 97.169 | | |
| 7,600.00 | 7,255.49 | 7,200.00 | 7,198.69 | 18.63 | 12.57 | 90.15 | 19.27 | -2,392.35 | 2,905.10 | 2,875.04 | 30.06 | 96.647 | | |
| 7,664.98 | 7,258.33 | 7,200.00 | 7,198.69 | 18.44 | 12.57 | 90.17 | 19.27 | -2,392.35 | 2,904.60 | 2,874.39 | 30.21 | 96.152 | | |
| 7,700.00 | 7,256.04 | 7,200.00 | 7,198.69 | 18.39 | 12.57 | 90.20 | 19.27 | -2,392.35 | 2,904.61 | 2,874.32 | 30.29 | 95.902 | | |
| 7,800.00 | 7,253.91 | 7,195.11 | 7,193.80 | 18.51 | 12.56 | 90.10 | 19.22 | -2,392.37 | 2,907.33 | 2,876.64 | 30.69 | 94.730 | | |
| 7,900.00 | 7,251.78 | 7,189.95 | 7,188.64 | 19.20 | 12.55 | 90.00 | 19.16 | -2,392.38 | 2,913.48 | 2,882.20 | 31.28 | 93.142 | | |
| 8,000.00 | 7,249.65 | 7,184.89 | 7,183.57 | 20.08 | 12.54 | 89.90 | 19.11 | -2,392.39 | 2,923.04 | 2,890.99 | 32.05 | 91.199 | | |
| 8,100.00 | 7,247.53 | 7,179.92 | 7,178.61 | 21.07 | 12.53 | 89.80 | 19.06 | -2,392.40 | 2,935.97 | 2,902.93 | 33.04 | 88.872 | | |
| 8,200.00 | 7,245.40 | 7,175.05 | 7,173.74 | 22.17 | 12.52 | 89.71 | 19.01 | -2,392.40 | 2,952.22 | 2,918.07 | 34.15 | 86.445 | | |
| 8,300.00 | 7,243.27 | 7,170.28 | 7,168.97 | 23.36 | 12.52 | 89.61 | 18.97 | -2,392.41 | 2,971.75 | 2,936.37 | 35.38 | 83.994 | | |
| 8,400.00 | 7,241.14 | 7,165.59 | 7,164.28 | 24.64 | 12.51 | 89.52 | 18.92 | -2,392.40 | 2,994.49 | 2,957.78 | 36.71 | 81.581 | | |
| 8,500.00 | 7,239.01 | 7,160.99 | 7,159.68 | 25.98 | 12.50 | 89.43 | 18.88 | -2,392.40 | 3,020.36 | 2,982.25 | 38.11 | 79.248 | | |
| 8,600.00 | 7,236.89 | 7,156.48 | 7,155.17 | 27.39 | 12.49 | 89.34 | 18.84 | -2,392.39 | 3,049.29 | 3,009.70 | 39.59 | 77.022 | | |
| 8,700.00 | 7,234.76 | 7,152.05 | 7,150.74 | 28.85 | 12.48 | 89.25 | 18.81 | -2,392.38 | 3,081.19 | 3,040.06 | 41.13 | 74.920 | | |
| 8,800.00 | 7,232.63 | 7,147.70 | 7,146.39 | 30.36 | 12.47 | 89.17 | 18.77 | -2,392.37 | 3,115.97 | 3,073.26 | 42.71 | 72.951 | | |
| 8,900.00 | 7,230.50 | 7,143.43 | 7,142.12 | 31.91 | 12.47 | 89.08 | 18.74 | -2,392.35 | 3,153.54 | 3,109.19 | 44.34 | 71.116 | | |
| 9,000.00 | 7,228.38 | 7,139.24 | 7,137.93 | 33.49 | 12.46 | 89.00 | 18.71 | -2,392.34 | 3,193.79 | 3,147.78 | 46.01 | 69.414 | | |
| 9,100.00 | 7,226.25 | 7,135.12 | 7,133.81 | 35.11 | 12.45 | 88.92 | 18.68 | -2,392.32 | 3,236.63 | 3,188.92 | 47.71 | 67.840 | | |
| 9,200.00 | 7,224.12 | 7,131.07 | 7,129.76 | 36.75 | 12.44 | 88.84 | 18.65 | -2,392.30 | 3,281.95 | 3,232.52 | 49.44 | 66.388 | | |
| 9,300.00 | 7,221.99 | 7,127.10 | 7,125.79 | 38.41 | 12.43 | 88.76 | 18.62 | -2,392.27 | 3,329.66 | 3,278.47 | 51.19 | 65.049 | | |
| 9,400.00 | 7,219.86 | 7,123.19 | 7,121.88 | 40.10 | 12.43 | 88.68 | 18.59 | -2,392.25 | 3,379.65 | 3,326.69 | 52.96 | 63.817 | | |
| 9,500.00 | 7,217.74 | 7,119.35 | 7,118.04 | 41.80 | 12.42 | 88.61 | 18.57 | -2,392.22 | 3,431.83 | 3,377.08 | 54.75 | 62.684 | | |
| 9,600.00 | 7,215.61 | 7,115.57 | 7,114.27 | 43.53 | 12.41 | 88.53 | 18.55 | -2,392.20 | 3,486.08 | 3,429.53 | 56.55 | 61.642 | | |
| 9,700.00 | 7,213.48 | 7,111.86 | 7,110.56 | 45.26 | 12.41 | 88.46 | 18.53 | -2,392.17 | 3,542.33 | 3,483.96 | 58.37 | 60.684 | | |
| 9,800.00 | 7,211.35 | 7,108.21 | 7,106.91 | 47.01 | 12.40 | 88.39 | 18.50 | -2,392.14 | 3,600.48 | 3,540.27 | 60.21 | 59.802 | | |
| 9,900.00 | 7,209.22 | 7,104.63 | 7,103.32 | 48.77 | 12.39 | 88.32 | 18.49 | -2,392.11 | 3,660.43 | 3,598.38 | 62.05 | 58.991 | | |
| 10,000.00 | 7,207.10 | 7,101.10 | 7,099.79 | 50.54 | 12.39 | 88.25 | 18.47 | -2,392.07 | 3,722.10 | 3,658.20 | 63.90 | 58.244 | | |
| 10,100.00 | 7,204.97 | 7,100.00 | 7,098.69 | 52.32 | 12.38 | 88.23 | 18.46 | -2,392.06 | 3,785.41 | 3,719.62 | 65.78 | 57.545 | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 ft | | | |
|--------------------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|-----------------|----------------------|-----------------------|-------------------------|--------------------|---------|--|--|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | Offset Well Error: | 0.00 ft | | | |
| Reference | | | | Offset | | | | Semi Major Axis | | | | Distance | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | | |
| 10,200.00 | 7,202.84 | 7,095.89 | 7,094.58 | 54.11 | 12.38 | 88.15 | 18.44 | -2,392.02 | 3,850.27 | 3,782.62 | 67.65 | 56.916 | | | | |
| 10,300.00 | 7,200.71 | 7,093.44 | 7,092.13 | 55.91 | 12.37 | 88.10 | 18.43 | -2,392.00 | 3,916.60 | 3,847.07 | 69.53 | 56.328 | | | | |
| 10,400.00 | 7,198.59 | 7,090.97 | 7,089.67 | 57.72 | 12.37 | 88.05 | 18.42 | -2,391.98 | 3,984.35 | 3,912.92 | 71.42 | 55.786 | | | | |
| 10,500.00 | 7,196.46 | 7,088.50 | 7,087.19 | 59.53 | 12.36 | 88.00 | 18.40 | -2,391.96 | 4,053.42 | 3,980.10 | 73.32 | 55.285 | | | | |
| 10,600.00 | 7,194.33 | 7,086.01 | 7,084.71 | 61.34 | 12.36 | 87.95 | 18.39 | -2,391.93 | 4,123.76 | 4,048.54 | 75.22 | 54.823 | | | | |
| 10,700.00 | 7,192.20 | 7,083.51 | 7,082.21 | 63.17 | 12.35 | 87.90 | 18.38 | -2,391.91 | 4,195.31 | 4,118.18 | 77.12 | 54.396 | | | | |
| 10,800.00 | 7,190.07 | 7,081.00 | 7,079.70 | 64.99 | 12.35 | 87.85 | 18.36 | -2,391.89 | 4,268.00 | 4,188.96 | 79.03 | 54.002 | | | | |
| 10,900.00 | 7,187.95 | 7,078.48 | 7,077.17 | 66.83 | 12.34 | 87.80 | 18.35 | -2,391.87 | 4,341.77 | 4,260.82 | 80.95 | 53.636 | | | | |
| 11,000.00 | 7,185.82 | 7,075.94 | 7,074.64 | 68.66 | 12.34 | 87.75 | 18.33 | -2,391.85 | 4,416.57 | 4,333.70 | 82.87 | 53.298 | | | | |
| 11,100.00 | 7,183.69 | 7,073.40 | 7,072.09 | 70.50 | 12.33 | 87.70 | 18.32 | -2,391.82 | 4,492.35 | 4,407.57 | 84.79 | 52.984 | | | | |
| 11,200.00 | 7,181.56 | 7,070.84 | 7,069.53 | 72.35 | 12.33 | 87.65 | 18.30 | -2,391.80 | 4,569.06 | 4,482.35 | 86.71 | 52.693 | | | | |
| 11,300.00 | 7,179.44 | 7,068.27 | 7,066.96 | 74.19 | 12.32 | 87.60 | 18.29 | -2,391.78 | 4,646.66 | 4,558.02 | 88.64 | 52.424 | | | | |
| 11,400.00 | 7,177.31 | 7,065.68 | 7,064.38 | 76.04 | 12.32 | 87.55 | 18.27 | -2,391.76 | 4,725.10 | 4,634.53 | 90.57 | 52.173 | | | | |
| 11,500.00 | 7,175.18 | 7,063.09 | 7,061.78 | 77.90 | 12.31 | 87.50 | 18.26 | -2,391.74 | 4,804.33 | 4,711.84 | 92.50 | 51.940 | | | | |
| 11,600.00 | 7,173.05 | 7,060.48 | 7,059.17 | 79.75 | 12.31 | 87.45 | 18.24 | -2,391.72 | 4,884.33 | 4,789.90 | 94.43 | 51.724 | | | | |
| 11,700.00 | 7,170.92 | 7,057.86 | 7,056.55 | 81.61 | 12.30 | 87.40 | 18.23 | -2,391.70 | 4,965.05 | 4,868.69 | 96.37 | 51.523 | | | | |
| 11,800.00 | 7,168.80 | 7,055.22 | 7,053.92 | 83.47 | 12.30 | 87.34 | 18.21 | -2,391.68 | 5,046.46 | 4,948.16 | 98.30 | 51.336 | | | | |
| 11,837.41 | 7,168.00 | 7,054.23 | 7,052.93 | 84.17 | 12.29 | 87.32 | 18.21 | -2,391.67 | 5,077.09 | 4,978.06 | 99.03 | 51.269 SF | | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|--------------------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | | | Offset | | Semi Major Axis | | | Distance | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 178.55 | -3,934.27 | 99.46 | 3,935.54 | | | | | | |
| 100.00 | 100.00 | 72.42 | 72.42 | 0.08 | 0.10 | 178.55 | -3,934.44 | 99.32 | 3,935.73 | 3,935.55 | 0.18 | N/A | | | |
| 200.00 | 200.00 | 170.82 | 170.81 | 0.31 | 0.32 | 178.56 | -3,934.99 | 98.83 | 3,936.28 | 3,935.65 | 0.63 | 6,256.380 | | | |
| 300.00 | 300.00 | 283.52 | 283.51 | 0.53 | 0.61 | 178.57 | -3,935.39 | 98.22 | 3,936.62 | 3,935.47 | 1.14 | 3,440.276 | | | |
| 400.00 | 400.00 | 394.29 | 394.28 | 0.76 | 0.87 | 178.58 | -3,935.42 | 97.72 | 3,936.64 | 3,935.01 | 1.63 | 2,420.264 | | | |
| 500.00 | 500.00 | 493.64 | 493.63 | 0.98 | 1.08 | 178.58 | -3,935.32 | 97.53 | 3,936.53 | 3,934.47 | 2.06 | 1,911.472 | | | |
| 534.46 | 534.46 | 524.47 | 524.46 | 1.06 | 1.15 | 178.58 | -3,935.31 | 97.49 | 3,936.51 | 3,934.31 | 2.21 | 1,784.526 | | | |
| 600.00 | 600.00 | 581.69 | 581.68 | 1.21 | 1.28 | 178.58 | -3,935.37 | 97.36 | 3,936.58 | 3,934.10 | 2.48 | 1,584.979 | | | |
| 700.00 | 700.00 | 697.28 | 697.28 | 1.43 | 1.55 | 178.59 | -3,935.47 | 97.00 | 3,936.67 | 3,933.69 | 2.98 | 1,321.634 | | | |
| 726.50 | 726.50 | 716.51 | 716.50 | 1.49 | 1.59 | 178.59 | -3,935.45 | 96.94 | 3,936.64 | 3,933.56 | 3.08 | 1,277.130 | | | |
| 800.00 | 800.00 | 766.46 | 766.45 | 1.66 | 1.70 | 178.59 | -3,935.60 | 96.68 | 3,936.86 | 3,933.50 | 3.36 | 1,170.971 | | | |
| 900.00 | 900.00 | 844.41 | 844.39 | 1.88 | 1.89 | 178.60 | -3,936.37 | 95.97 | 3,937.80 | 3,934.03 | 3.77 | 1,044.473 | | | |
| 1,000.00 | 1,000.00 | 936.52 | 936.49 | 2.11 | 2.11 | 178.62 | -3,937.59 | 94.72 | 3,939.10 | 3,934.88 | 4.22 | 933.281 | | | |
| 1,100.00 | 1,100.00 | 1,035.75 | 1,035.69 | 2.33 | 2.37 | 178.65 | -3,939.00 | 92.61 | 3,940.46 | 3,935.76 | 4.70 | 838.388 | | | |
| 1,200.00 | 1,200.00 | 1,141.21 | 1,141.08 | 2.56 | 2.65 | 178.70 | -3,940.51 | 89.45 | 3,941.83 | 3,936.63 | 5.20 | 757.687 | | | |
| 1,300.00 | 1,300.00 | 1,256.28 | 1,256.05 | 2.78 | 2.95 | 178.77 | -3,941.80 | 84.56 | 3,942.86 | 3,937.12 | 5.73 | 687.878 | | | |
| 1,400.00 | 1,399.98 | 1,381.45 | 1,381.02 | 3.00 | 3.28 | 142.46 | -3,942.70 | 77.64 | 3,944.85 | 3,938.57 | 6.29 | 627.337 | | | |
| 1,500.00 | 1,499.84 | 1,498.60 | 1,497.93 | 3.23 | 3.59 | 142.58 | -3,942.81 | 70.10 | 3,948.99 | 3,942.17 | 6.82 | 579.235 | | | |
| 1,600.00 | 1,599.45 | 1,590.80 | 1,589.89 | 3.45 | 3.83 | 142.66 | -3,942.81 | 63.59 | 3,955.81 | 3,948.53 | 7.28 | 543.171 | | | |
| 1,700.00 | 1,698.70 | 1,716.92 | 1,715.70 | 3.69 | 4.16 | 142.81 | -3,942.45 | 54.73 | 3,965.17 | 3,957.33 | 7.84 | 505.838 | | | |
| 1,800.00 | 1,797.61 | 1,812.32 | 1,810.91 | 3.95 | 4.41 | 142.98 | -3,941.91 | 48.70 | 3,976.32 | 3,967.99 | 8.33 | 477.455 | | | |
| 1,900.00 | 1,896.51 | 1,914.55 | 1,912.98 | 4.22 | 4.68 | 143.19 | -3,941.27 | 43.10 | 3,987.58 | 3,978.73 | 8.84 | 450.866 | | | |
| 2,000.00 | 1,995.40 | 2,000.00 | 1,998.33 | 4.51 | 4.90 | 143.36 | -3,940.78 | 38.89 | 3,998.94 | 3,989.62 | 9.32 | 428.971 | | | |
| 2,100.00 | 2,094.30 | 2,091.52 | 2,089.74 | 4.80 | 5.14 | 143.54 | -3,940.49 | 34.63 | 4,010.60 | 4,000.77 | 9.82 | 408.326 | | | |
| 2,200.00 | 2,193.19 | 2,187.33 | 2,185.46 | 5.10 | 5.40 | 143.72 | -3,940.38 | 30.44 | 4,022.50 | 4,012.16 | 10.34 | 389.108 | | | |
| 2,300.00 | 2,292.09 | 2,269.68 | 2,267.75 | 5.41 | 5.61 | 143.87 | -3,940.45 | 27.06 | 4,034.63 | 4,023.81 | 10.82 | 372.822 | | | |
| 2,400.00 | 2,390.98 | 2,353.65 | 2,351.65 | 5.72 | 5.84 | 144.03 | -3,940.88 | 23.75 | 4,047.22 | 4,035.90 | 11.31 | 357.748 | | | |
| 2,500.00 | 2,489.88 | 2,438.48 | 2,436.42 | 6.04 | 6.06 | 144.17 | -3,941.59 | 20.68 | 4,060.16 | 4,048.35 | 11.81 | 343.857 | | | |
| 2,600.00 | 2,588.77 | 2,523.70 | 2,521.59 | 6.36 | 6.29 | 144.32 | -3,942.61 | 17.87 | 4,073.48 | 4,061.18 | 12.30 | 331.082 | | | |
| 2,700.00 | 2,687.67 | 2,616.95 | 2,614.77 | 6.68 | 6.53 | 144.48 | -3,943.94 | 14.66 | 4,087.07 | 4,074.25 | 12.82 | 318.792 | | | |
| 2,800.00 | 2,786.56 | 2,724.69 | 2,722.44 | 7.01 | 6.82 | 144.66 | -3,945.43 | 10.83 | 4,100.65 | 4,087.27 | 13.38 | 306.550 | | | |
| 2,900.00 | 2,885.46 | 2,838.36 | 2,836.04 | 7.34 | 7.12 | 144.85 | -3,946.55 | 7.26 | 4,113.87 | 4,099.91 | 13.95 | 294.890 | | | |
| 3,000.00 | 2,984.36 | 2,939.09 | 2,936.73 | 7.67 | 7.39 | 145.01 | -3,947.43 | 4.27 | 4,126.99 | 4,112.50 | 14.49 | 284.780 | | | |
| 3,100.00 | 3,083.25 | 3,041.73 | 3,039.32 | 8.00 | 7.66 | 145.17 | -3,948.21 | 1.32 | 4,140.04 | 4,125.00 | 15.04 | 275.292 | | | |
| 3,200.00 | 3,182.15 | 3,144.71 | 3,142.27 | 8.34 | 7.94 | 145.33 | -3,948.93 | -1.17 | 4,153.05 | 4,137.47 | 15.59 | 266.447 | | | |
| 3,300.00 | 3,281.04 | 3,246.93 | 3,244.46 | 8.67 | 8.21 | 145.48 | -3,949.51 | -3.58 | 4,165.94 | 4,149.81 | 16.13 | 258.220 | | | |
| 3,400.00 | 3,379.94 | 3,342.12 | 3,339.62 | 9.01 | 8.46 | 145.62 | -3,950.06 | -5.74 | 4,178.88 | 4,162.22 | 16.66 | 250.805 | | | |
| 3,500.00 | 3,478.83 | 3,433.31 | 3,430.79 | 9.35 | 8.70 | 145.75 | -3,950.70 | -7.79 | 4,191.96 | 4,174.78 | 17.18 | 244.013 | | | |
| 3,600.00 | 3,577.73 | 3,520.86 | 3,518.31 | 9.69 | 8.93 | 145.88 | -3,951.53 | -9.60 | 4,205.31 | 4,187.62 | 17.68 | 237.793 | | | |
| 3,700.00 | 3,676.62 | 3,611.97 | 3,609.40 | 10.03 | 9.16 | 146.00 | -3,952.65 | -11.33 | 4,218.93 | 4,200.74 | 18.20 | 231.870 | | | |
| 3,800.00 | 3,775.52 | 3,741.60 | 3,739.01 | 10.37 | 9.50 | 146.18 | -3,953.83 | -13.22 | 4,232.25 | 4,213.45 | 18.80 | 225.081 | | | |
| 3,900.00 | 3,874.41 | 3,856.08 | 3,853.49 | 10.72 | 9.80 | 146.32 | -3,954.23 | -14.08 | 4,244.99 | 4,225.62 | 19.38 | 219.059 | | | |
| 4,000.00 | 3,973.31 | 3,963.07 | 3,960.47 | 11.06 | 10.08 | 146.45 | -3,954.35 | -15.19 | 4,257.55 | 4,237.62 | 19.94 | 213.569 | | | |
| 4,100.00 | 4,072.20 | 4,091.63 | 4,088.98 | 11.40 | 10.41 | 146.64 | -3,953.88 | -18.60 | 4,269.76 | 4,249.22 | 20.54 | 207.881 | | | |
| 4,200.00 | 4,171.10 | 4,191.33 | 4,188.61 | 11.75 | 10.66 | 146.80 | -3,953.01 | -22.10 | 4,281.54 | 4,260.47 | 21.07 | 203.243 | | | |
| 4,300.00 | 4,269.99 | 4,281.65 | 4,278.88 | 12.09 | 10.89 | 146.94 | -3,952.31 | -25.38 | 4,293.45 | 4,271.87 | 21.57 | 199.030 | | | |
| 4,400.00 | 4,368.89 | 4,363.61 | 4,360.78 | 12.44 | 11.10 | 147.07 | -3,951.91 | -28.24 | 4,305.66 | 4,283.60 | 22.06 | 195.176 | | | |
| 4,500.00 | 4,467.78 | 4,435.27 | 4,432.40 | 12.78 | 11.29 | 147.18 | -3,951.88 | -30.87 | 4,318.38 | 4,295.85 | 22.53 | 191.710 | | | |
| 4,600.00 | 4,566.68 | 4,500.00 | 4,497.07 | 13.13 | 11.46 | 147.28 | -3,952.34 | -33.45 | 4,331.86 | 4,308.89 | 22.97 | 188.550 | | | |
| 4,700.00 | 4,665.57 | 4,563.99 | 4,561.00 | 13.48 | 11.63 | 147.38 | -3,953.29 | -36.09 | 4,346.15 | 4,322.73 | 23.42 | 185.573 | | | |
| 4,800.00 | 4,764.47 | 4,631.78 | 4,628.72 | 13.82 | 11.81 | 147.49 | -3,954.83 | -38.80 | 4,361.22 | 4,337.35 | 23.87 | 182.698 | | | |
| 4,900.00 | 4,863.36 | 4,700.00 | 4,696.87 | 14.17 | 11.98 | 147.59 | -3,956.81 | -41.17 | 4,376.93 | 4,352.61 | 24.32 | 179.982 | | | |

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

Anadarko Petroleum Corp Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|--------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 5,000.00 | 4,962.26 | 4,783.00 | 4,779.78 | 14.52 | 12.18 | 147.71 | -3,959.66 | -43.86 | 4,393.16 | 4,368.37 | 24.79 | 177.192 | | |
| 5,100.00 | 5,061.15 | 4,870.18 | 4,866.85 | 14.87 | 12.38 | 147.84 | -3,963.01 | -46.60 | 4,409.79 | 4,384.51 | 25.27 | 174.497 | | |
| 5,200.00 | 5,160.05 | 4,992.80 | 4,989.35 | 15.21 | 12.66 | 148.00 | -3,967.69 | -49.51 | 4,426.38 | 4,400.57 | 25.82 | 171.457 | | |
| 5,300.00 | 5,258.94 | 5,199.76 | 5,196.24 | 15.56 | 13.13 | 148.23 | -3,971.46 | -51.89 | 4,440.37 | 4,413.82 | 26.56 | 167.209 | | |
| 5,400.00 | 5,357.84 | 5,345.04 | 5,341.51 | 15.91 | 13.50 | 148.40 | -3,972.18 | -53.36 | 4,453.57 | 4,426.38 | 27.19 | 163.787 | | |
| 5,500.00 | 5,456.73 | 5,445.46 | 5,441.93 | 16.26 | 13.76 | 148.52 | -3,972.10 | -54.58 | 4,466.28 | 4,438.55 | 27.72 | 161.097 | | |
| 5,600.00 | 5,555.63 | 5,531.62 | 5,528.09 | 16.61 | 13.98 | 148.62 | -3,972.21 | -55.89 | 4,479.22 | 4,451.00 | 28.22 | 158.710 | | |
| 5,700.00 | 5,654.52 | 5,616.90 | 5,613.35 | 16.96 | 14.21 | 148.72 | -3,972.49 | -57.51 | 4,492.44 | 4,463.71 | 28.72 | 156.415 | | |
| 5,800.00 | 5,753.42 | 5,700.00 | 5,696.43 | 17.31 | 14.43 | 148.82 | -3,973.18 | -59.01 | 4,506.12 | 4,476.91 | 29.21 | 154.255 | | |
| 5,900.00 | 5,852.31 | 5,800.00 | 5,796.41 | 17.66 | 14.69 | 148.94 | -3,974.13 | -60.64 | 4,519.94 | 4,490.20 | 29.74 | 151.960 | | |
| 6,000.00 | 5,951.21 | 5,893.00 | 5,889.40 | 18.01 | 14.92 | 149.05 | -3,974.95 | -61.95 | 4,533.71 | 4,503.46 | 30.26 | 149.846 | | |
| 6,100.00 | 6,050.10 | 5,961.45 | 5,957.83 | 18.36 | 15.09 | 149.12 | -3,975.87 | -62.75 | 4,547.92 | 4,517.22 | 30.69 | 148.167 | | |
| 6,200.00 | 6,149.00 | 6,039.21 | 6,035.57 | 18.71 | 15.27 | 149.21 | -3,977.44 | -63.68 | 4,562.78 | 4,531.63 | 31.15 | 146.480 | | |
| 6,300.00 | 6,247.89 | 6,137.16 | 6,133.49 | 19.06 | 15.50 | 149.32 | -3,979.56 | -65.07 | 4,577.85 | 4,546.20 | 31.65 | 144.651 | | |
| 6,400.00 | 6,346.79 | 6,262.02 | 6,258.32 | 19.41 | 15.79 | 149.46 | -3,981.99 | -66.86 | 4,592.74 | 4,560.52 | 32.21 | 142.586 | | |
| 6,500.00 | 6,445.68 | 6,384.92 | 6,381.20 | 19.76 | 16.07 | 149.58 | -3,983.60 | -67.75 | 4,606.91 | 4,574.16 | 32.75 | 140.653 | | |
| 6,600.00 | 6,544.58 | 6,497.66 | 6,493.94 | 20.11 | 16.29 | 149.69 | -3,984.74 | -67.99 | 4,620.76 | 4,587.52 | 33.24 | 139.002 | | |
| 6,700.00 | 6,643.53 | 6,613.13 | 6,609.40 | 20.44 | 16.47 | 136.69 | -3,985.52 | -67.94 | 4,633.70 | 4,600.12 | 33.58 | 137.991 | | |
| 6,800.00 | 6,743.00 | 6,700.32 | 6,696.59 | 20.62 | 16.60 | 48.62 | -3,986.11 | -67.82 | 4,634.18 | 4,600.58 | 33.60 | 137.909 | | |
| 6,900.00 | 6,840.75 | 6,809.24 | 6,805.51 | 20.64 | 16.79 | 25.26 | -3,986.83 | -67.79 | 4,617.45 | 4,584.77 | 32.68 | 141.282 | | |
| 7,000.00 | 6,933.82 | 6,900.00 | 6,896.27 | 20.54 | 17.00 | 19.25 | -3,987.30 | -68.17 | 4,583.94 | 4,553.13 | 30.81 | 148.758 | | |
| 7,100.00 | 7,019.36 | 6,983.12 | 6,979.38 | 20.31 | 17.21 | 17.32 | -3,987.75 | -68.67 | 4,534.83 | 4,506.73 | 28.10 | 161.404 | | |
| 7,200.00 | 7,094.79 | 7,060.47 | 7,056.73 | 20.01 | 17.40 | 17.33 | -3,988.22 | -69.02 | 4,471.58 | 4,446.85 | 24.73 | 180.813 | | |
| 7,300.00 | 7,157.81 | 7,124.44 | 7,120.70 | 19.66 | 17.56 | 19.00 | -3,988.58 | -69.26 | 4,396.08 | 4,374.90 | 21.18 | 207.523 | | |
| 7,400.00 | 7,206.51 | 7,171.80 | 7,168.06 | 19.29 | 17.67 | 23.14 | -3,988.86 | -69.45 | 4,310.67 | 4,292.03 | 18.63 | 231.348 | | |
| 7,500.00 | 7,239.40 | 7,204.10 | 7,200.36 | 18.94 | 17.75 | 32.91 | -3,989.06 | -69.60 | 4,217.93 | 4,197.81 | 20.12 | 209.649 | | |
| 7,600.00 | 7,255.49 | 7,220.46 | 7,216.71 | 18.63 | 17.79 | 61.55 | -3,989.17 | -69.68 | 4,120.67 | 4,090.05 | 30.63 | 134.547 | | |
| 7,700.00 | 7,256.04 | 7,221.60 | 7,217.86 | 18.39 | 17.80 | 95.55 | -3,989.17 | -69.69 | 4,021.79 | 3,985.92 | 35.87 | 112.109 | | |
| 7,800.00 | 7,253.91 | 7,220.13 | 7,216.39 | 18.51 | 17.79 | 95.40 | -3,989.16 | -69.68 | 3,922.88 | 3,886.51 | 36.37 | 107.855 | | |
| 7,900.00 | 7,251.78 | 7,218.66 | 7,214.92 | 19.20 | 17.79 | 95.26 | -3,989.15 | -69.67 | 3,824.02 | 3,786.97 | 37.05 | 103.207 | | |
| 8,000.00 | 7,249.65 | 7,217.19 | 7,213.45 | 20.08 | 17.79 | 95.12 | -3,989.14 | -69.66 | 3,725.23 | 3,687.33 | 37.90 | 98.295 | | |
| 8,100.00 | 7,247.53 | 7,215.73 | 7,211.98 | 21.07 | 17.78 | 94.97 | -3,989.14 | -69.65 | 3,626.50 | 3,587.61 | 38.89 | 93.244 | | |
| 8,200.00 | 7,245.40 | 7,214.26 | 7,210.51 | 22.17 | 17.78 | 94.83 | -3,989.13 | -69.65 | 3,527.84 | 3,487.83 | 40.01 | 88.163 | | |
| 8,300.00 | 7,243.27 | 7,212.79 | 7,209.05 | 23.36 | 17.77 | 94.69 | -3,989.12 | -69.64 | 3,429.26 | 3,388.01 | 41.25 | 83.137 | | |
| 8,400.00 | 7,241.14 | 7,211.32 | 7,207.58 | 24.64 | 17.77 | 94.54 | -3,989.11 | -69.63 | 3,330.76 | 3,288.18 | 42.58 | 78.229 | | |
| 8,500.00 | 7,239.01 | 7,209.85 | 7,206.11 | 25.98 | 17.77 | 94.40 | -3,989.10 | -69.62 | 3,232.35 | 3,188.37 | 43.99 | 73.485 | | |
| 8,600.00 | 7,236.89 | 7,208.38 | 7,204.64 | 27.39 | 17.76 | 94.26 | -3,989.09 | -69.62 | 3,134.05 | 3,088.58 | 45.46 | 68.934 | | |
| 8,700.00 | 7,234.76 | 7,206.92 | 7,203.17 | 28.85 | 17.76 | 94.11 | -3,989.08 | -69.61 | 3,035.85 | 2,988.85 | 47.00 | 64.590 | | |
| 8,800.00 | 7,232.63 | 7,205.45 | 7,201.71 | 30.36 | 17.76 | 93.97 | -3,989.07 | -69.60 | 2,937.78 | 2,889.19 | 48.59 | 60.462 | | |
| 8,900.00 | 7,230.50 | 7,203.98 | 7,200.24 | 31.91 | 17.75 | 93.82 | -3,989.06 | -69.60 | 2,839.84 | 2,789.62 | 50.22 | 56.549 | | |
| 9,000.00 | 7,228.38 | 7,202.51 | 7,198.77 | 33.49 | 17.75 | 93.68 | -3,989.05 | -69.59 | 2,742.04 | 2,690.16 | 51.89 | 52.848 | | |
| 9,100.00 | 7,226.25 | 7,200.00 | 7,196.26 | 35.11 | 17.74 | 93.43 | -3,989.04 | -69.58 | 2,644.41 | 2,590.84 | 53.57 | 49.363 | | |
| 9,200.00 | 7,224.12 | 7,200.00 | 7,196.26 | 36.75 | 17.74 | 93.43 | -3,989.04 | -69.58 | 2,546.97 | 2,491.65 | 55.32 | 46.045 | | |
| 9,300.00 | 7,221.99 | 7,198.12 | 7,194.38 | 38.41 | 17.74 | 93.25 | -3,989.02 | -69.57 | 2,449.73 | 2,392.66 | 57.06 | 42.932 | | |
| 9,400.00 | 7,219.86 | 7,196.65 | 7,192.91 | 40.10 | 17.73 | 93.11 | -3,989.02 | -69.56 | 2,352.71 | 2,293.88 | 58.83 | 39.991 | | |
| 9,500.00 | 7,217.74 | 7,195.18 | 7,191.44 | 41.80 | 17.73 | 92.96 | -3,989.01 | -69.55 | 2,255.96 | 2,195.34 | 60.62 | 37.215 | | |
| 9,600.00 | 7,215.61 | 7,193.71 | 7,189.97 | 43.53 | 17.73 | 92.82 | -3,989.00 | -69.55 | 2,159.51 | 2,097.08 | 62.43 | 34.594 | | |
| 9,700.00 | 7,213.48 | 7,192.24 | 7,186.50 | 45.26 | 17.72 | 92.67 | -3,988.99 | -69.54 | 2,063.39 | 1,999.14 | 64.24 | 32.118 | | |
| 9,800.00 | 7,211.35 | 7,190.77 | 7,183.03 | 47.01 | 17.72 | 92.53 | -3,988.98 | -69.53 | 1,967.65 | 1,901.58 | 66.08 | 29.779 | | |
| 9,900.00 | 7,209.22 | 7,189.29 | 7,185.55 | 48.77 | 17.72 | 92.38 | -3,988.97 | -69.53 | 1,872.36 | 1,804.44 | 67.92 | 27.568 | | |
| 10,000.00 | 7,207.10 | 7,187.81 | 7,184.07 | 50.54 | 17.71 | 92.24 | -3,988.96 | -69.52 | 1,777.59 | 1,707.82 | 69.77 | 25.477 | | |
| 10,100.00 | 7,204.97 | 7,186.33 | 7,182.59 | 52.32 | 17.71 | 92.09 | -3,988.95 | -69.51 | 1,683.42 | 1,611.79 | 71.63 | 23.500 | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|--------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|--------------------|-------------------|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | | | Semi Major Axis | | | | Distance | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | | Separation Factor | |
| 10,200.00 | 7,202.84 | 7,184.85 | 7,181.11 | 54.11 | 17.71 | 91.95 | -3,988.94 | -69.51 | 1,589.96 | 1,516.46 | 73.50 | 21.631 | | |
| 10,300.00 | 7,200.71 | 7,183.36 | 7,179.62 | 55.91 | 17.70 | 91.80 | -3,988.93 | -69.50 | 1,497.35 | 1,421.97 | 75.38 | 19.864 | | |
| 10,400.00 | 7,198.59 | 7,181.88 | 7,178.14 | 57.72 | 17.70 | 91.65 | -3,988.92 | -69.49 | 1,405.74 | 1,328.48 | 77.26 | 18.194 | | |
| 10,500.00 | 7,196.46 | 7,180.39 | 7,176.65 | 59.53 | 17.69 | 91.51 | -3,988.91 | -69.49 | 1,315.36 | 1,236.21 | 79.15 | 16.618 | | |
| 10,600.00 | 7,194.33 | 7,178.90 | 7,175.15 | 61.34 | 17.69 | 91.36 | -3,988.91 | -69.48 | 1,226.47 | 1,145.42 | 81.05 | 15.133 | | |
| 10,700.00 | 7,192.20 | 7,177.40 | 7,173.66 | 63.17 | 17.69 | 91.21 | -3,988.90 | -69.47 | 1,139.42 | 1,056.48 | 82.95 | 13.737 | | |
| 10,800.00 | 7,190.07 | 7,175.91 | 7,172.17 | 64.99 | 17.68 | 91.07 | -3,988.89 | -69.47 | 1,054.67 | 969.82 | 84.85 | 12.430 | | |
| 10,900.00 | 7,187.95 | 7,174.41 | 7,170.67 | 66.83 | 17.68 | 90.92 | -3,988.88 | -69.46 | 972.82 | 886.06 | 86.76 | 11.213 | | |
| 11,000.00 | 7,185.82 | 7,172.91 | 7,169.17 | 68.66 | 17.68 | 90.77 | -3,988.87 | -69.45 | 894.66 | 805.99 | 88.67 | 10.090 | | |
| 11,100.00 | 7,183.69 | 7,171.41 | 7,167.67 | 70.50 | 17.67 | 90.62 | -3,988.86 | -69.45 | 821.25 | 730.67 | 90.58 | 9.067 | | |
| 11,200.00 | 7,181.56 | 7,169.90 | 7,166.16 | 72.35 | 17.67 | 90.47 | -3,988.85 | -69.44 | 753.97 | 661.48 | 92.50 | 8.151 | | |
| 11,300.00 | 7,179.44 | 7,168.40 | 7,164.65 | 74.19 | 17.67 | 90.33 | -3,988.84 | -69.44 | 694.62 | 600.21 | 94.41 | 7.357 | | |
| 11,400.00 | 7,177.31 | 7,166.89 | 7,163.15 | 76.04 | 17.66 | 90.18 | -3,988.83 | -69.43 | 645.38 | 549.05 | 96.34 | 6.699 | | |
| 11,500.00 | 7,175.18 | 7,165.38 | 7,161.63 | 77.90 | 17.66 | 90.03 | -3,988.82 | -69.42 | 608.71 | 510.46 | 98.26 | 6.195 | | |
| 11,600.00 | 7,173.05 | 7,163.86 | 7,160.12 | 79.75 | 17.65 | 89.88 | -3,988.81 | -69.42 | 586.98 | 486.79 | 100.18 | 5.859 | | |
| 11,679.98 | 7,171.35 | 7,162.65 | 7,158.91 | 81.24 | 17.65 | 89.76 | -3,988.81 | -69.41 | 581.51 | 479.76 | 101.74 | 5.715 CC | | |
| 11,700.00 | 7,170.92 | 7,162.35 | 7,158.61 | 81.61 | 17.65 | 89.73 | -3,988.81 | -69.41 | 581.85 | 479.74 | 102.11 | 5.698 ES, SF | | |
| 11,800.00 | 7,168.80 | 7,160.83 | 7,157.09 | 83.47 | 17.65 | 89.58 | -3,988.80 | -69.40 | 593.76 | 489.72 | 104.04 | 5.707 | | |
| 11,837.41 | 7,168.00 | 7,160.26 | 7,156.52 | 84.17 | 17.65 | 89.52 | -3,988.79 | -69.40 | 602.44 | 497.68 | 104.76 | 5.751 | | |

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

Anadarko Petroleum Corp Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|--------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -97.59 | -135.87 | -1,020.10 | 1,029.74 | | | | | |
| 100.00 | 100.00 | 56.66 | 56.66 | 0.08 | 0.08 | -97.58 | -135.82 | -1,020.31 | 1,029.34 | 1,029.18 | 0.16 | 6,446.369 | CC | |
| 200.00 | 200.00 | 154.13 | 154.12 | 0.31 | 0.28 | -97.56 | -135.54 | -1,021.39 | 1,030.39 | 1,029.80 | 0.58 | 1,762.313 | | |
| 300.00 | 300.00 | 257.73 | 257.71 | 0.53 | 0.55 | -97.53 | -135.13 | -1,022.21 | 1,031.12 | 1,030.04 | 1.08 | 953.140 | | |
| 400.00 | 400.00 | 359.02 | 359.00 | 0.76 | 0.81 | -97.51 | -134.76 | -1,022.81 | 1,031.66 | 1,030.09 | 1.57 | 657.467 | | |
| 500.00 | 500.00 | 464.39 | 464.38 | 0.98 | 1.02 | -97.50 | -134.67 | -1,023.14 | 1,031.97 | 1,029.97 | 2.00 | 515.039 | | |
| 600.00 | 600.00 | 569.09 | 569.07 | 1.21 | 1.17 | -97.48 | -134.25 | -1,022.86 | 1,031.65 | 1,029.27 | 2.38 | 434.223 | | |
| 700.00 | 700.00 | 669.69 | 669.67 | 1.43 | 1.34 | -97.43 | -133.36 | -1,022.42 | 1,031.09 | 1,028.32 | 2.77 | 372.159 | | |
| 800.00 | 800.00 | 768.75 | 768.73 | 1.66 | 1.54 | -97.38 | -132.42 | -1,022.03 | 1,030.58 | 1,027.38 | 3.20 | 321.957 | | |
| 900.00 | 900.00 | 865.32 | 865.29 | 1.88 | 1.77 | -97.33 | -131.50 | -1,021.83 | 1,030.25 | 1,026.60 | 3.65 | 281.960 | | |
| 930.23 | 930.23 | 894.20 | 894.17 | 1.95 | 1.84 | -97.32 | -131.30 | -1,021.83 | 1,030.24 | 1,026.44 | 3.79 | 271.632 | | |
| 1,000.00 | 1,000.00 | 963.72 | 963.69 | 2.11 | 2.02 | -97.30 | -130.89 | -1,021.91 | 1,030.26 | 1,026.13 | 4.13 | 249.534 | | |
| 1,100.00 | 1,100.00 | 1,062.94 | 1,062.90 | 2.33 | 2.28 | -97.26 | -130.20 | -1,022.05 | 1,030.31 | 1,025.70 | 4.61 | 223.421 | | |
| 1,200.00 | 1,200.00 | 1,165.66 | 1,165.61 | 2.56 | 2.54 | -97.20 | -129.08 | -1,022.24 | 1,030.36 | 1,025.26 | 5.10 | 202.005 | | |
| 1,300.00 | 1,300.00 | 1,264.13 | 1,264.09 | 2.78 | 2.80 | -97.13 | -127.93 | -1,022.20 | 1,030.17 | 1,024.59 | 5.58 | 184.693 | | |
| 1,300.29 | 1,300.29 | 1,264.41 | 1,264.36 | 2.78 | 2.80 | -97.13 | -127.93 | -1,022.20 | 1,030.17 | 1,024.59 | 5.58 | 184.644 | ES | |
| 1,400.00 | 1,399.98 | 1,362.71 | 1,362.65 | 3.00 | 3.05 | -133.51 | -126.51 | -1,022.49 | 1,031.49 | 1,025.43 | 6.06 | 170.202 | | |
| 1,500.00 | 1,499.84 | 1,464.54 | 1,464.47 | 3.23 | 3.32 | -133.60 | -125.19 | -1,022.72 | 1,035.16 | 1,028.61 | 6.55 | 158.137 | | |
| 1,600.00 | 1,599.45 | 1,561.06 | 1,560.99 | 3.45 | 3.57 | -133.80 | -124.38 | -1,022.81 | 1,041.18 | 1,034.17 | 7.01 | 148.444 | | |
| 1,700.00 | 1,698.70 | 1,659.79 | 1,659.71 | 3.69 | 3.83 | -134.09 | -123.30 | -1,023.33 | 1,050.05 | 1,042.56 | 7.49 | 140.176 | | |
| 1,800.00 | 1,797.61 | 1,761.46 | 1,761.38 | 3.95 | 4.09 | -134.56 | -122.04 | -1,023.66 | 1,060.51 | 1,052.52 | 7.99 | 132.747 | | |
| 1,900.00 | 1,896.51 | 1,858.33 | 1,858.23 | 4.22 | 4.34 | -135.05 | -121.00 | -1,023.85 | 1,071.06 | 1,062.59 | 8.47 | 126.401 | | |
| 2,000.00 | 1,995.40 | 1,954.76 | 1,954.67 | 4.51 | 4.57 | -135.57 | -120.58 | -1,024.29 | 1,082.03 | 1,073.08 | 8.95 | 120.846 | | |
| 2,100.00 | 2,094.30 | 2,053.04 | 2,052.94 | 4.80 | 4.79 | -136.07 | -120.01 | -1,024.85 | 1,093.18 | 1,083.75 | 9.43 | 115.965 | | |
| 2,200.00 | 2,193.19 | 2,151.65 | 2,151.55 | 5.10 | 4.99 | -136.59 | -119.91 | -1,025.38 | 1,104.47 | 1,094.59 | 9.88 | 111.758 | | |
| 2,300.00 | 2,292.09 | 2,250.48 | 2,250.38 | 5.41 | 5.20 | -137.10 | -119.74 | -1,025.92 | 1,115.85 | 1,105.50 | 10.35 | 107.849 | | |
| 2,400.00 | 2,390.98 | 2,344.41 | 2,344.31 | 5.72 | 5.39 | -137.57 | -119.59 | -1,026.54 | 1,127.43 | 1,116.62 | 10.81 | 104.336 | | |
| 2,500.00 | 2,489.88 | 2,436.50 | 2,436.39 | 6.04 | 5.58 | -138.02 | -119.62 | -1,027.79 | 1,139.79 | 1,128.53 | 11.25 | 101.291 | | |
| 2,600.00 | 2,588.77 | 2,536.14 | 2,536.01 | 6.36 | 5.78 | -138.50 | -119.59 | -1,029.39 | 1,152.47 | 1,140.75 | 11.72 | 98.333 | | |
| 2,700.00 | 2,687.67 | 2,636.29 | 2,636.15 | 6.68 | 6.00 | -138.95 | -119.12 | -1,030.81 | 1,164.94 | 1,152.72 | 12.22 | 95.365 | | |
| 2,800.00 | 2,786.56 | 2,730.45 | 2,730.30 | 7.01 | 6.23 | -139.35 | -118.36 | -1,032.50 | 1,177.76 | 1,165.04 | 12.71 | 92.642 | | |
| 2,900.00 | 2,885.46 | 2,828.88 | 2,828.70 | 7.34 | 6.47 | -139.74 | -117.46 | -1,034.52 | 1,190.87 | 1,177.65 | 13.22 | 90.055 | | |
| 3,000.00 | 2,984.36 | 2,930.11 | 2,929.90 | 7.67 | 6.73 | -140.14 | -116.36 | -1,036.44 | 1,203.85 | 1,190.10 | 13.75 | 87.569 | | |
| 3,100.00 | 3,083.25 | 3,026.27 | 3,026.04 | 8.00 | 6.97 | -140.49 | -115.14 | -1,038.37 | 1,216.93 | 1,202.66 | 14.26 | 85.320 | | |
| 3,200.00 | 3,182.15 | 3,123.69 | 3,123.42 | 8.34 | 7.22 | -140.83 | -113.74 | -1,040.62 | 1,230.31 | 1,215.53 | 14.78 | 83.225 | | |
| 3,300.00 | 3,281.04 | 3,224.05 | 3,223.76 | 8.67 | 7.48 | -141.19 | -112.44 | -1,042.65 | 1,243.49 | 1,228.18 | 15.31 | 81.225 | | |
| 3,400.00 | 3,379.94 | 3,313.05 | 3,312.72 | 9.01 | 7.70 | -141.50 | -111.51 | -1,044.97 | 1,257.33 | 1,241.52 | 15.80 | 79.563 | | |
| 3,500.00 | 3,478.83 | 3,425.70 | 3,425.34 | 9.35 | 7.98 | -141.90 | -110.41 | -1,047.41 | 1,270.82 | 1,254.47 | 16.35 | 77.716 | | |
| 3,600.00 | 3,577.73 | 3,524.93 | 3,524.55 | 9.69 | 8.23 | -142.26 | -109.85 | -1,048.92 | 1,283.86 | 1,266.99 | 16.87 | 76.122 | | |
| 3,700.00 | 3,676.62 | 3,621.98 | 3,621.59 | 10.03 | 8.46 | -142.62 | -109.53 | -1,050.54 | 1,297.16 | 1,279.79 | 17.37 | 74.697 | | |
| 3,800.00 | 3,775.52 | 3,726.90 | 3,726.50 | 10.37 | 8.70 | -143.01 | -109.37 | -1,051.77 | 1,310.09 | 1,292.22 | 17.87 | 73.298 | | |
| 3,900.00 | 3,874.41 | 3,821.04 | 3,820.63 | 10.72 | 8.90 | -143.37 | -109.56 | -1,052.96 | 1,323.26 | 1,304.91 | 18.34 | 72.141 | | |
| 4,000.00 | 3,973.31 | 3,924.74 | 3,924.32 | 11.06 | 9.12 | -143.77 | -109.78 | -1,054.08 | 1,336.32 | 1,317.50 | 18.82 | 70.997 | | |
| 4,100.00 | 4,072.20 | 4,024.09 | 4,023.67 | 11.40 | 9.31 | -144.14 | -110.03 | -1,055.07 | 1,349.37 | 1,330.09 | 19.28 | 69.981 | | |
| 4,200.00 | 4,171.10 | 4,126.20 | 4,125.78 | 11.75 | 9.47 | -144.52 | -110.47 | -1,055.62 | 1,362.10 | 1,342.40 | 19.70 | 69.131 | | |
| 4,300.00 | 4,269.99 | 4,214.33 | 4,213.91 | 12.09 | 9.60 | -144.86 | -111.10 | -1,056.43 | 1,375.33 | 1,355.23 | 20.10 | 68.431 | | |
| 4,400.00 | 4,368.89 | 4,306.54 | 4,306.10 | 12.44 | 9.76 | -145.20 | -112.10 | -1,057.78 | 1,389.25 | 1,368.73 | 20.52 | 67.700 | | |
| 4,500.00 | 4,467.78 | 4,416.35 | 4,415.90 | 12.78 | 9.98 | -145.60 | -112.82 | -1,059.26 | 1,402.98 | 1,381.98 | 21.00 | 66.804 | | |
| 4,600.00 | 4,566.68 | 4,516.88 | 4,516.41 | 13.13 | 10.21 | -145.93 | -112.91 | -1,060.30 | 1,416.27 | 1,394.78 | 21.50 | 65.880 | | |
| 4,700.00 | 4,665.57 | 4,608.72 | 4,608.25 | 13.48 | 10.43 | -146.22 | -112.89 | -1,061.58 | 1,429.90 | 1,407.92 | 21.98 | 65.040 | | |
| 4,800.00 | 4,764.47 | 4,712.25 | 4,711.77 | 13.82 | 10.69 | -146.53 | -112.65 | -1,063.02 | 1,443.50 | 1,420.99 | 22.51 | 64.138 | | |
| 4,900.00 | 4,863.36 | 4,800.00 | 4,799.50 | 14.17 | 10.91 | -146.79 | -112.52 | -1,064.70 | 1,457.64 | 1,434.65 | 22.99 | 63.404 | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| WELD_CAMP 5 PAD - HSR-Sinton 2-26 offset - HSR-SINTON 2-26 - HSR-SINTON 2-26 | | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | | | |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 5,000.00 | 4,962.26 | 4,884.99 | 4,884.46 | 14.52 | 11.11 | -147.04 | -112.79 | -1,066.95 | 1,472.64 | 1,449.19 | 23.45 | 62.793 | | |
| 5,100.00 | 5,061.15 | 4,989.42 | 4,988.85 | 14.87 | 11.35 | -147.35 | -113.40 | -1,069.76 | 1,487.84 | 1,463.89 | 23.95 | 62.117 | | |
| 5,200.00 | 5,160.05 | 5,084.62 | 5,084.02 | 15.21 | 11.56 | -147.64 | -114.09 | -1,072.05 | 1,502.88 | 1,478.46 | 24.42 | 61.537 | | |
| 5,300.00 | 5,258.94 | 5,180.77 | 5,180.13 | 15.56 | 11.76 | -147.94 | -115.33 | -1,074.41 | 1,518.20 | 1,493.32 | 24.88 | 61.020 | | |
| 5,400.00 | 5,357.84 | 5,293.38 | 5,292.71 | 15.91 | 11.99 | -148.29 | -116.76 | -1,076.81 | 1,533.27 | 1,507.91 | 25.36 | 60.452 | | |
| 5,500.00 | 5,456.73 | 5,389.52 | 5,388.84 | 16.26 | 12.20 | -148.58 | -117.62 | -1,078.47 | 1,547.87 | 1,522.05 | 25.82 | 59.938 | | |
| 5,600.00 | 5,555.63 | 5,486.46 | 5,485.75 | 16.61 | 12.41 | -148.86 | -118.51 | -1,080.33 | 1,562.69 | 1,536.40 | 26.29 | 59.440 | | |
| 5,700.00 | 5,654.52 | 5,575.26 | 5,574.52 | 16.96 | 12.60 | -149.12 | -119.55 | -1,082.24 | 1,577.85 | 1,551.11 | 26.74 | 59.010 | | |
| 5,800.00 | 5,753.42 | 5,679.15 | 5,678.37 | 17.31 | 12.83 | -149.40 | -120.63 | -1,084.90 | 1,593.38 | 1,566.15 | 27.23 | 58.516 | | |
| 5,900.00 | 5,852.31 | 5,789.47 | 5,788.67 | 17.66 | 13.11 | -149.68 | -120.90 | -1,087.28 | 1,608.26 | 1,580.51 | 27.76 | 57.942 | | |
| 6,000.00 | 5,951.21 | 5,887.43 | 5,886.61 | 18.01 | 13.32 | -149.93 | -121.45 | -1,088.86 | 1,622.80 | 1,594.58 | 28.23 | 57.492 | | |
| 6,100.00 | 6,050.10 | 5,977.26 | 5,976.42 | 18.36 | 13.49 | -150.20 | -122.85 | -1,090.21 | 1,637.68 | 1,609.02 | 28.65 | 57.153 | | |
| 6,200.00 | 6,149.00 | 6,060.97 | 6,060.10 | 18.71 | 13.67 | -150.43 | -124.19 | -1,092.09 | 1,653.28 | 1,624.20 | 29.08 | 56.845 | | |
| 6,300.00 | 6,247.89 | 6,158.09 | 6,157.16 | 19.06 | 13.89 | -150.67 | -125.53 | -1,095.17 | 1,669.65 | 1,640.09 | 29.56 | 56.483 | | |
| 6,400.00 | 6,346.79 | 6,257.76 | 6,256.78 | 19.41 | 14.13 | -150.90 | -126.20 | -1,098.28 | 1,685.71 | 1,655.66 | 30.06 | 56.082 | | |
| 6,500.00 | 6,445.68 | 6,361.45 | 6,360.41 | 19.76 | 14.40 | -151.12 | -126.60 | -1,101.74 | 1,701.89 | 1,671.31 | 30.57 | 55.665 | | |
| 6,600.00 | 6,544.58 | 6,464.73 | 6,463.64 | 20.11 | 14.66 | -151.32 | -126.49 | -1,104.83 | 1,717.55 | 1,686.46 | 31.10 | 55.235 | | |
| 6,700.00 | 6,643.53 | 6,573.90 | 6,572.77 | 20.44 | 14.95 | -151.90 | -125.92 | -1,108.02 | 1,732.77 | 1,701.13 | 31.64 | 54.760 | | |
| 6,800.00 | 6,743.00 | 6,685.91 | 6,684.73 | 20.82 | 15.24 | 106.38 | -124.23 | -1,110.83 | 1,741.89 | 1,709.77 | 32.12 | 54.233 | | |
| 6,900.00 | 6,840.75 | 6,789.35 | 6,788.12 | 20.64 | 15.49 | 83.34 | -122.11 | -1,113.06 | 1,743.14 | 1,710.71 | 32.43 | 53.751 | | |
| 7,000.00 | 6,933.82 | 6,883.45 | 6,882.19 | 20.54 | 15.73 | 78.42 | -120.25 | -1,114.82 | 1,737.41 | 1,704.78 | 32.63 | 53.243 | | |
| 7,100.00 | 7,019.36 | 6,971.17 | 6,969.87 | 20.31 | 15.94 | 78.10 | -118.30 | -1,116.42 | 1,725.93 | 1,693.11 | 32.82 | 52.581 | | |
| 7,200.00 | 7,094.79 | 7,052.29 | 7,050.94 | 20.01 | 16.13 | 79.85 | -115.88 | -1,117.89 | 1,710.22 | 1,677.15 | 33.07 | 51.711 | | |
| 7,300.00 | 7,157.81 | 7,115.72 | 7,114.32 | 19.66 | 16.27 | 82.38 | -113.40 | -1,118.93 | 1,692.15 | 1,658.82 | 33.32 | 50.779 | | |
| 7,400.00 | 7,206.51 | 7,155.63 | 7,154.18 | 19.29 | 16.36 | 84.82 | -111.80 | -1,119.65 | 1,674.11 | 1,640.60 | 33.51 | 49.960 | | |
| 7,500.00 | 7,239.40 | 7,181.52 | 7,180.05 | 18.94 | 16.42 | 86.97 | -110.80 | -1,120.18 | 1,657.89 | 1,624.21 | 33.67 | 49.232 | | |
| 7,600.00 | 7,255.49 | 7,192.50 | 7,191.02 | 18.63 | 16.44 | 88.51 | -110.38 | -1,120.42 | 1,644.80 | 1,610.95 | 33.86 | 48.584 | | |
| 7,700.00 | 7,256.04 | 7,189.61 | 7,188.13 | 18.39 | 16.43 | 88.96 | -110.49 | -1,120.36 | 1,635.86 | 1,601.77 | 34.09 | 47.983 | | |
| 7,800.00 | 7,253.91 | 7,184.30 | 7,182.83 | 18.51 | 16.42 | 88.77 | -110.69 | -1,120.24 | 1,632.71 | 1,598.22 | 34.49 | 47.344 | | |
| 7,801.68 | 7,253.87 | 7,184.21 | 7,182.74 | 18.52 | 16.42 | 88.77 | -110.70 | -1,120.24 | 1,632.71 | 1,598.21 | 34.50 | 47.330 | | |
| 7,900.00 | 7,251.78 | 7,178.95 | 7,177.48 | 19.20 | 16.41 | 88.58 | -110.90 | -1,120.13 | 1,635.66 | 1,600.59 | 35.07 | 46.645 | | |
| 8,000.00 | 7,249.65 | 7,173.55 | 7,172.09 | 20.08 | 16.40 | 88.39 | -111.10 | -1,120.02 | 1,644.67 | 1,608.86 | 35.81 | 45.922 | | |
| 8,100.00 | 7,247.53 | 7,168.11 | 7,166.65 | 21.07 | 16.39 | 88.20 | -111.31 | -1,119.90 | 1,659.65 | 1,622.94 | 36.71 | 45.206 | | |
| 8,200.00 | 7,245.40 | 7,162.63 | 7,161.17 | 22.17 | 16.37 | 88.01 | -111.53 | -1,119.79 | 1,680.44 | 1,642.70 | 37.74 | 44.525 | | |
| 8,300.00 | 7,243.27 | 7,157.10 | 7,155.65 | 23.36 | 16.36 | 87.82 | -111.74 | -1,119.68 | 1,706.83 | 1,667.92 | 38.91 | 43.869 | | |
| 8,400.00 | 7,241.14 | 7,151.52 | 7,150.08 | 24.64 | 16.35 | 87.62 | -111.96 | -1,119.57 | 1,738.55 | 1,698.34 | 40.21 | 43.239 | | |
| 8,500.00 | 7,239.01 | 7,145.90 | 7,144.47 | 25.98 | 16.34 | 87.43 | -112.18 | -1,119.47 | 1,775.33 | 1,733.74 | 41.59 | 42.687 | | |
| 8,600.00 | 7,236.89 | 7,140.24 | 7,138.81 | 27.39 | 16.32 | 87.23 | -112.41 | -1,119.36 | 1,816.86 | 1,773.82 | 43.04 | 42.214 | | |
| 8,700.00 | 7,234.76 | 7,134.52 | 7,133.10 | 28.85 | 16.31 | 87.03 | -112.64 | -1,119.26 | 1,862.81 | 1,818.26 | 44.55 | 41.817 | | |
| 8,800.00 | 7,232.63 | 7,128.76 | 7,127.34 | 30.36 | 16.30 | 86.83 | -112.87 | -1,119.15 | 1,912.88 | 1,866.77 | 46.10 | 41.491 | | |
| 8,900.00 | 7,230.50 | 7,122.96 | 7,121.54 | 31.91 | 16.28 | 86.62 | -113.11 | -1,119.05 | 1,966.74 | 1,919.03 | 47.70 | 41.229 | | |
| 9,000.00 | 7,228.38 | 7,117.10 | 7,115.69 | 33.49 | 16.27 | 86.42 | -113.34 | -1,118.95 | 2,024.09 | 1,974.75 | 49.34 | 41.027 | | |
| 9,100.00 | 7,226.25 | 7,111.19 | 7,109.79 | 35.11 | 16.26 | 86.21 | -113.59 | -1,118.85 | 2,084.65 | 2,033.65 | 51.00 | 40.876 | | |
| 9,200.00 | 7,224.12 | 7,105.23 | 7,103.84 | 36.75 | 16.24 | 86.00 | -113.83 | -1,118.76 | 2,148.14 | 2,095.45 | 52.69 | 40.770 | | |
| 9,300.00 | 7,221.99 | 7,100.00 | 7,098.61 | 38.41 | 16.23 | 85.82 | -114.05 | -1,118.67 | 2,214.31 | 2,159.90 | 54.41 | 40.699 | | |
| 9,400.00 | 7,219.86 | 7,100.00 | 7,098.61 | 40.10 | 16.23 | 85.82 | -114.05 | -1,118.67 | 2,282.93 | 2,226.74 | 56.20 | 40.624 SF | | |
| 9,500.00 | 7,217.74 | 7,088.73 | 7,087.35 | 41.80 | 16.21 | 85.43 | -114.51 | -1,118.49 | 2,353.78 | 2,295.88 | 57.89 | 40.658 | | |
| 9,600.00 | 7,215.61 | 7,083.63 | 7,082.25 | 43.53 | 16.20 | 85.25 | -114.72 | -1,118.41 | 2,426.67 | 2,367.01 | 59.66 | 40.672 | | |
| 9,700.00 | 7,213.48 | 7,078.64 | 7,077.27 | 45.26 | 16.18 | 85.07 | -114.91 | -1,118.33 | 2,501.43 | 2,439.98 | 61.45 | 40.707 | | |
| 9,800.00 | 7,211.35 | 7,073.76 | 7,072.40 | 47.01 | 16.17 | 84.90 | -115.10 | -1,118.25 | 2,577.88 | 2,514.64 | 63.25 | 40.759 | | |
| 9,900.00 | 7,209.22 | 7,069.00 | 7,067.63 | 48.77 | 16.16 | 84.74 | -115.28 | -1,118.17 | 2,655.89 | 2,590.84 | 65.05 | 40.826 | | |
| 10,000.00 | 7,207.10 | 7,064.33 | 7,062.97 | 50.54 | 16.15 | 84.58 | -115.45 | -1,118.09 | 2,735.32 | 2,668.45 | 66.87 | 40.903 | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|--------------------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | | | Offset | | Semi Major Axis | | | Distance | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | |
| 10,100.00 | 7,204.97 | 7,059.77 | 7,058.41 | 52.32 | 16.14 | 84.42 | -115.62 | -1,118.01 | 2,816.06 | 2,747.36 | 68.70 | 40.991 | | | |
| 10,200.00 | 7,202.84 | 7,055.31 | 7,053.95 | 54.11 | 16.13 | 84.26 | -115.78 | -1,117.94 | 2,897.98 | 2,827.45 | 70.53 | 41.086 | | | |
| 10,300.00 | 7,200.71 | 7,050.94 | 7,049.59 | 55.91 | 16.12 | 84.11 | -115.93 | -1,117.86 | 2,981.00 | 2,908.62 | 72.38 | 41.188 | | | |
| 10,400.00 | 7,198.59 | 7,046.66 | 7,045.31 | 57.72 | 16.11 | 83.96 | -116.08 | -1,117.79 | 3,065.03 | 2,990.80 | 74.22 | 41.294 | | | |
| 10,500.00 | 7,196.46 | 7,042.47 | 7,041.13 | 59.53 | 16.10 | 83.82 | -116.22 | -1,117.72 | 3,149.98 | 3,073.90 | 76.08 | 41.405 | | | |
| 10,600.00 | 7,194.33 | 7,038.37 | 7,037.03 | 61.34 | 16.09 | 83.67 | -116.36 | -1,117.65 | 3,235.78 | 3,157.85 | 77.94 | 41.519 | | | |
| 10,700.00 | 7,192.20 | 7,034.35 | 7,033.01 | 63.17 | 16.08 | 83.53 | -116.49 | -1,117.58 | 3,322.38 | 3,242.58 | 79.80 | 41.634 | | | |
| 10,800.00 | 7,190.07 | 7,030.41 | 7,029.08 | 64.99 | 16.08 | 83.40 | -116.62 | -1,117.51 | 3,409.70 | 3,328.03 | 81.67 | 41.751 | | | |
| 10,900.00 | 7,187.95 | 7,026.55 | 7,025.22 | 66.83 | 16.07 | 83.26 | -116.74 | -1,117.44 | 3,497.69 | 3,414.15 | 83.54 | 41.869 | | | |
| 11,000.00 | 7,185.82 | 7,022.77 | 7,021.44 | 68.66 | 16.06 | 83.13 | -116.86 | -1,117.37 | 3,586.31 | 3,500.90 | 85.41 | 41.988 | | | |
| 11,100.00 | 7,183.69 | 7,019.06 | 7,017.73 | 70.50 | 16.05 | 83.00 | -116.97 | -1,117.30 | 3,675.50 | 3,588.21 | 87.29 | 42.106 | | | |
| 11,200.00 | 7,181.56 | 7,015.42 | 7,014.10 | 72.35 | 16.04 | 82.88 | -117.08 | -1,117.24 | 3,765.24 | 3,676.07 | 89.17 | 42.225 | | | |
| 11,300.00 | 7,179.44 | 7,000.00 | 6,998.68 | 74.19 | 16.01 | 82.34 | -117.53 | -1,116.95 | 3,855.50 | 3,764.60 | 90.89 | 42.417 | | | |
| 11,400.00 | 7,177.31 | 7,000.00 | 6,998.68 | 76.04 | 16.01 | 82.34 | -117.53 | -1,116.95 | 3,946.19 | 3,853.36 | 92.83 | 42.512 | | | |
| 11,500.00 | 7,175.18 | 7,000.00 | 6,998.68 | 77.90 | 16.01 | 82.34 | -117.53 | -1,116.95 | 4,037.31 | 3,942.55 | 94.76 | 42.605 | | | |
| 11,600.00 | 7,173.05 | 7,000.00 | 6,998.68 | 79.75 | 16.01 | 82.34 | -117.53 | -1,116.95 | 4,128.85 | 4,032.15 | 96.70 | 42.699 | | | |
| 11,700.00 | 7,170.92 | 7,000.00 | 6,998.68 | 81.61 | 16.01 | 82.34 | -117.53 | -1,116.95 | 4,220.77 | 4,122.14 | 98.64 | 42.791 | | | |
| 11,800.00 | 7,168.80 | 7,000.00 | 6,998.68 | 83.47 | 16.01 | 82.34 | -117.53 | -1,116.95 | 4,313.05 | 4,212.48 | 100.58 | 42.883 | | | |
| 11,837.41 | 7,168.00 | 7,000.00 | 6,998.68 | 84.17 | 16.01 | 82.34 | -117.53 | -1,116.95 | 4,347.67 | 4,246.36 | 101.30 | 42.917 | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|--|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| WELD_CAMP 5 PAD - HSR-SKELLY 9-26 offset - HSR SKELLY 9-26 - HSR SKELLY 9-26 | | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | | | |
| Reference | | | | Offset | | Semi Major Axis | | | Distance | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 173.91 | -2,767.47 | 295.28 | 2,783.18 | | | | | |
| 100.00 | 100.00 | 106.87 | 106.87 | 0.08 | 0.15 | 173.93 | -2,767.38 | 294.40 | 2,783.01 | 2,782.77 | 0.24 | N/A | | |
| 200.00 | 200.00 | 204.51 | 204.50 | 0.31 | 0.41 | 173.95 | -2,767.25 | 293.15 | 2,782.74 | 2,782.02 | 0.72 | 3,873.712 | | |
| 300.00 | 300.00 | 310.41 | 310.39 | 0.53 | 0.65 | 173.97 | -2,766.91 | 292.52 | 2,782.36 | 2,781.17 | 1.19 | 2,346.424 | | |
| 400.00 | 400.00 | 400.00 | 399.98 | 0.76 | 0.79 | 173.97 | -2,766.76 | 292.42 | 2,782.17 | 2,780.62 | 1.55 | 1,798.040 | | |
| 406.99 | 406.99 | 402.57 | 402.55 | 0.77 | 0.79 | 173.97 | -2,766.76 | 292.42 | 2,782.17 | 2,780.61 | 1.57 | 1,777.187 | | |
| 500.00 | 500.00 | 495.19 | 495.17 | 0.98 | 0.88 | 173.97 | -2,766.84 | 292.47 | 2,782.26 | 2,780.40 | 1.86 | 1,493.702 | | |
| 600.00 | 600.00 | 607.18 | 607.16 | 1.21 | 1.03 | 173.96 | -2,766.70 | 292.53 | 2,782.13 | 2,779.90 | 2.23 | 1,245.405 | | |
| 700.00 | 700.00 | 702.58 | 702.56 | 1.43 | 1.17 | 173.96 | -2,766.45 | 292.68 | 2,781.89 | 2,779.28 | 2.61 | 1,067.165 | | |
| 800.00 | 800.00 | 807.41 | 807.39 | 1.66 | 1.35 | 173.95 | -2,766.12 | 293.17 | 2,781.63 | 2,778.62 | 3.01 | 924.928 | | |
| 900.00 | 900.00 | 902.79 | 902.77 | 1.88 | 1.53 | 173.94 | -2,765.81 | 293.85 | 2,781.38 | 2,777.97 | 3.41 | 814.827 | | |
| 1,000.00 | 1,000.00 | 1,012.21 | 1,012.19 | 2.11 | 1.76 | 173.91 | -2,765.30 | 294.94 | 2,781.02 | 2,777.16 | 3.87 | 719.063 | | |
| 1,100.00 | 1,100.00 | 1,114.95 | 1,114.91 | 2.33 | 1.99 | 173.88 | -2,764.58 | 296.39 | 2,780.47 | 2,776.15 | 4.32 | 643.062 | | |
| 1,200.00 | 1,200.00 | 1,219.79 | 1,219.73 | 2.56 | 2.24 | 173.85 | -2,763.67 | 297.87 | 2,779.76 | 2,774.97 | 4.80 | 579.654 | | |
| 1,300.00 | 1,300.00 | 1,321.33 | 1,321.26 | 2.78 | 2.49 | 173.82 | -2,762.71 | 299.20 | 2,778.96 | 2,773.70 | 5.27 | 527.600 | | |
| 1,334.51 | 1,334.51 | 1,357.22 | 1,357.15 | 2.86 | 2.57 | 137.41 | -2,762.35 | 299.69 | 2,778.82 | 2,773.38 | 5.43 | 511.369 | | |
| 1,400.00 | 1,399.98 | 1,425.66 | 1,425.58 | 3.00 | 2.74 | 137.40 | -2,761.59 | 300.69 | 2,779.34 | 2,773.58 | 5.75 | 483.150 | | |
| 1,500.00 | 1,499.84 | 1,531.16 | 1,531.06 | 3.23 | 3.01 | 137.41 | -2,760.29 | 302.03 | 2,782.10 | 2,775.86 | 6.24 | 445.810 | | |
| 1,600.00 | 1,599.45 | 1,635.02 | 1,634.91 | 3.45 | 3.27 | 137.45 | -2,758.85 | 302.90 | 2,787.24 | 2,780.51 | 6.73 | 414.424 | | |
| 1,700.00 | 1,698.70 | 1,736.14 | 1,736.01 | 3.69 | 3.52 | 137.50 | -2,757.40 | 303.52 | 2,794.89 | 2,787.68 | 7.21 | 387.818 | | |
| 1,800.00 | 1,797.61 | 1,835.65 | 1,835.51 | 3.95 | 3.75 | 137.66 | -2,755.91 | 303.83 | 2,804.34 | 2,796.65 | 7.69 | 364.649 | | |
| 1,900.00 | 1,896.51 | 1,928.20 | 1,928.06 | 4.22 | 3.96 | 137.85 | -2,754.69 | 303.80 | 2,814.05 | 2,805.90 | 8.16 | 344.992 | | |
| 2,000.00 | 1,995.40 | 2,020.10 | 2,019.94 | 4.51 | 4.17 | 138.04 | -2,753.75 | 303.60 | 2,824.07 | 2,815.45 | 8.62 | 327.578 | | |
| 2,100.00 | 2,094.30 | 2,116.57 | 2,116.41 | 4.80 | 4.39 | 138.23 | -2,752.88 | 303.45 | 2,834.26 | 2,825.15 | 9.11 | 311.262 | | |
| 2,200.00 | 2,193.19 | 2,209.43 | 2,209.27 | 5.10 | 4.61 | 138.42 | -2,752.19 | 303.45 | 2,844.65 | 2,835.05 | 9.60 | 296.341 | | |
| 2,300.00 | 2,292.09 | 2,300.00 | 2,299.84 | 5.41 | 4.84 | 138.59 | -2,751.65 | 303.53 | 2,855.23 | 2,845.13 | 10.10 | 282.741 | | |
| 2,400.00 | 2,390.98 | 2,393.40 | 2,393.24 | 5.72 | 5.08 | 138.78 | -2,751.32 | 303.60 | 2,866.08 | 2,855.46 | 10.61 | 270.073 | | |
| 2,500.00 | 2,489.88 | 2,500.00 | 2,499.84 | 6.04 | 5.32 | 138.99 | -2,751.05 | 303.47 | 2,877.03 | 2,865.90 | 11.13 | 258.502 | | |
| 2,600.00 | 2,588.77 | 2,589.12 | 2,588.95 | 6.36 | 5.49 | 139.16 | -2,750.83 | 303.30 | 2,888.03 | 2,876.45 | 11.58 | 249.404 | | |
| 2,700.00 | 2,687.67 | 2,681.01 | 2,680.84 | 6.68 | 5.60 | 139.34 | -2,750.89 | 303.21 | 2,899.37 | 2,887.39 | 11.97 | 242.125 | | |
| 2,800.00 | 2,786.56 | 2,765.65 | 2,765.48 | 7.01 | 5.66 | 139.51 | -2,751.21 | 303.12 | 2,911.06 | 2,898.75 | 12.31 | 236.474 | | |
| 2,900.00 | 2,885.46 | 2,854.48 | 2,854.31 | 7.34 | 5.70 | 139.67 | -2,751.99 | 303.21 | 2,923.27 | 2,910.63 | 12.64 | 231.254 | | |
| 3,000.00 | 2,984.36 | 2,947.71 | 2,947.54 | 7.67 | 5.76 | 139.85 | -2,753.01 | 303.13 | 2,935.73 | 2,922.75 | 12.98 | 226.172 | | |
| 3,100.00 | 3,083.25 | 3,042.37 | 3,042.19 | 8.00 | 5.82 | 140.03 | -2,754.23 | 302.94 | 2,948.39 | 2,935.07 | 13.33 | 221.235 | | |
| 3,200.00 | 3,182.15 | 3,137.48 | 3,137.29 | 8.34 | 5.89 | 140.22 | -2,755.55 | 302.68 | 2,961.19 | 2,947.51 | 13.68 | 216.406 | | |
| 3,300.00 | 3,281.04 | 3,243.71 | 3,243.50 | 8.67 | 5.98 | 140.43 | -2,757.13 | 302.02 | 2,974.12 | 2,960.06 | 14.06 | 211.552 | | |
| 3,400.00 | 3,379.94 | 3,357.82 | 3,357.61 | 9.01 | 6.10 | 140.65 | -2,758.10 | 301.28 | 2,986.41 | 2,971.96 | 14.45 | 206.613 | | |
| 3,500.00 | 3,478.83 | 3,470.29 | 3,470.07 | 9.35 | 6.23 | 140.87 | -2,758.74 | 300.39 | 2,998.49 | 2,983.61 | 14.87 | 201.619 | | |
| 3,600.00 | 3,577.73 | 3,577.68 | 3,577.46 | 9.69 | 6.39 | 141.09 | -2,758.82 | 299.24 | 3,010.08 | 2,994.77 | 15.31 | 196.574 | | |
| 3,700.00 | 3,676.62 | 3,671.31 | 3,671.08 | 10.03 | 6.53 | 141.28 | -2,758.86 | 298.07 | 3,021.68 | 3,005.93 | 15.74 | 191.924 | | |
| 3,800.00 | 3,775.52 | 3,759.23 | 3,758.99 | 10.37 | 6.67 | 141.46 | -2,759.15 | 296.52 | 3,033.59 | 3,017.42 | 16.17 | 187.637 | | |
| 3,900.00 | 3,874.41 | 3,848.88 | 3,848.60 | 10.72 | 6.81 | 141.66 | -2,759.81 | 294.19 | 3,045.90 | 3,029.31 | 16.59 | 183.560 | | |
| 4,000.00 | 3,973.31 | 3,968.44 | 3,968.11 | 11.06 | 7.01 | 141.93 | -2,760.67 | 290.80 | 3,058.28 | 3,041.21 | 17.07 | 179.113 | | |
| 4,100.00 | 4,072.20 | 4,105.04 | 4,104.62 | 11.40 | 7.27 | 142.26 | -2,760.01 | 285.88 | 3,069.45 | 3,051.84 | 17.61 | 174.319 | | |
| 4,200.00 | 4,171.10 | 4,208.58 | 4,208.06 | 11.75 | 7.48 | 142.52 | -2,758.84 | 281.53 | 3,080.04 | 3,061.95 | 18.10 | 170.207 | | |
| 4,300.00 | 4,269.99 | 4,300.00 | 4,299.39 | 12.09 | 7.67 | 142.74 | -2,757.74 | 277.65 | 3,090.63 | 3,072.07 | 18.56 | 166.486 | | |
| 4,400.00 | 4,368.89 | 4,380.14 | 4,379.45 | 12.44 | 7.83 | 142.94 | -2,757.12 | 274.06 | 3,101.70 | 3,082.69 | 19.01 | 163.169 | | |
| 4,500.00 | 4,467.78 | 4,488.62 | 4,487.79 | 12.78 | 8.05 | 143.22 | -2,756.68 | 268.77 | 3,113.18 | 3,093.67 | 19.51 | 159.574 | | |
| 4,600.00 | 4,566.68 | 4,616.03 | 4,615.07 | 13.13 | 8.33 | 143.53 | -2,755.19 | 263.08 | 3,123.97 | 3,103.91 | 20.06 | 155.750 | | |
| 4,700.00 | 4,665.57 | 4,732.00 | 4,730.94 | 13.48 | 8.59 | 143.79 | -2,752.94 | 258.95 | 3,134.03 | 3,113.43 | 20.59 | 152.185 | | |
| 4,800.00 | 4,764.47 | 4,838.00 | 4,836.88 | 13.82 | 8.83 | 144.02 | -2,750.53 | 255.79 | 3,143.80 | 3,122.69 | 21.11 | 148.903 | | |
| 4,900.00 | 4,863.36 | 4,940.82 | 4,939.63 | 14.17 | 9.07 | 144.23 | -2,747.97 | 253.41 | 3,153.41 | 3,131.78 | 21.63 | 145.802 | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|--|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| WELD_CAMP 5 PAD - HSR-SKELLY 9-26 offset - HSR SKELLY 9-26 - HSR SKELLY 9-26 | | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | | | |
| Reference | | | | Offset | | Semi Major Axis | | | Distance | | | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | Warning | |
| 5,000.00 | 4,962.26 | 5,040.63 | 5,039.40 | 14.52 | 9.30 | 144.41 | -2,745.48 | 251.91 | 3,163.02 | 3,140.89 | 22.14 | 142.882 | | |
| 5,100.00 | 5,061.15 | 5,141.23 | 5,139.96 | 14.87 | 9.53 | 144.60 | -2,742.90 | 250.58 | 3,172.60 | 3,149.96 | 22.65 | 140.085 | | |
| 5,200.00 | 5,160.05 | 5,238.46 | 5,237.15 | 15.21 | 9.75 | 144.76 | -2,740.42 | 249.77 | 3,182.22 | 3,159.07 | 23.15 | 137.463 | | |
| 5,300.00 | 5,258.94 | 5,334.94 | 5,333.60 | 15.56 | 9.97 | 144.92 | -2,738.06 | 249.15 | 3,191.96 | 3,168.31 | 23.65 | 134.972 | | |
| 5,400.00 | 5,357.84 | 5,429.31 | 5,427.94 | 15.91 | 10.19 | 145.08 | -2,735.81 | 248.73 | 3,201.79 | 3,177.64 | 24.14 | 132.612 | | |
| 5,500.00 | 5,456.73 | 5,515.67 | 5,514.28 | 16.26 | 10.39 | 145.22 | -2,734.01 | 248.25 | 3,211.94 | 3,187.32 | 24.62 | 130.442 | | |
| 5,600.00 | 5,555.63 | 5,600.00 | 5,598.60 | 16.61 | 10.59 | 145.36 | -2,732.64 | 247.71 | 3,222.56 | 3,197.46 | 25.10 | 128.380 | | |
| 5,700.00 | 5,654.52 | 5,680.39 | 5,678.98 | 16.96 | 10.78 | 145.49 | -2,731.73 | 247.15 | 3,233.72 | 3,208.14 | 25.57 | 126.450 | | |
| 5,800.00 | 5,753.42 | 5,760.09 | 5,758.68 | 17.31 | 10.96 | 145.62 | -2,731.29 | 246.51 | 3,245.46 | 3,219.43 | 26.03 | 124.667 | | |
| 5,900.00 | 5,852.31 | 5,840.90 | 5,839.49 | 17.66 | 11.13 | 145.75 | -2,731.32 | 245.80 | 3,257.81 | 3,231.34 | 26.48 | 123.044 | | |
| 6,000.00 | 5,951.21 | 5,924.10 | 5,922.69 | 18.01 | 11.28 | 145.89 | -2,731.77 | 245.03 | 3,270.70 | 3,243.79 | 26.90 | 121.565 | | |
| 6,100.00 | 6,050.10 | 6,010.45 | 6,009.02 | 18.36 | 11.42 | 146.03 | -2,732.60 | 243.96 | 3,284.04 | 3,256.71 | 27.33 | 120.184 | | |
| 6,200.00 | 6,149.00 | 6,106.04 | 6,104.60 | 18.71 | 11.58 | 146.19 | -2,733.71 | 242.49 | 3,297.62 | 3,269.86 | 27.76 | 118.785 | | |
| 6,300.00 | 6,247.89 | 6,204.67 | 6,203.20 | 19.06 | 11.75 | 146.36 | -2,734.90 | 241.13 | 3,311.27 | 3,283.07 | 28.20 | 117.426 | | |
| 6,400.00 | 6,346.79 | 6,300.00 | 6,298.52 | 19.41 | 11.88 | 146.50 | -2,736.19 | 240.51 | 3,325.04 | 3,296.43 | 28.61 | 116.232 | | |
| 6,500.00 | 6,445.68 | 6,397.19 | 6,395.71 | 19.76 | 11.99 | 146.64 | -2,737.61 | 240.52 | 3,338.90 | 3,309.91 | 28.99 | 115.171 | | |
| 6,600.00 | 6,544.58 | 6,507.68 | 6,506.19 | 20.11 | 12.11 | 146.79 | -2,739.03 | 240.79 | 3,352.59 | 3,323.21 | 29.38 | 114.105 | | |
| 6,700.00 | 6,643.53 | 6,617.48 | 6,615.98 | 20.44 | 12.22 | 133.84 | -2,740.05 | 241.24 | 3,365.39 | 3,335.79 | 29.60 | 113.685 | | |
| 6,800.00 | 6,743.00 | 6,718.04 | 6,716.54 | 20.82 | 12.32 | 45.83 | -2,740.83 | 242.13 | 3,365.49 | 3,335.96 | 29.53 | 113.950 | | |
| 6,900.00 | 6,840.75 | 6,808.01 | 6,806.49 | 20.64 | 12.41 | 22.37 | -2,741.65 | 242.97 | 3,348.44 | 3,319.86 | 28.58 | 117.159 | | |
| 7,000.00 | 6,933.82 | 6,896.37 | 6,894.85 | 20.54 | 12.51 | 16.19 | -2,742.62 | 243.67 | 3,314.82 | 3,288.02 | 26.79 | 123.723 | | |
| 7,100.00 | 7,019.36 | 6,978.11 | 6,976.58 | 20.31 | 12.60 | 13.95 | -2,743.64 | 244.27 | 3,265.58 | 3,241.32 | 24.26 | 134.634 | | |
| 7,200.00 | 7,094.79 | 7,055.84 | 7,054.30 | 20.01 | 12.70 | 13.46 | -2,744.66 | 244.87 | 3,202.14 | 3,181.01 | 21.13 | 151.560 | | |
| 7,300.00 | 7,157.81 | 7,121.17 | 7,119.62 | 19.66 | 12.78 | 14.31 | -2,745.47 | 245.49 | 3,126.33 | 3,108.62 | 17.70 | 176.604 | | |
| 7,400.00 | 7,206.51 | 7,169.38 | 7,167.82 | 19.29 | 12.83 | 16.97 | -2,746.08 | 246.00 | 3,040.51 | 3,025.84 | 14.67 | 207.198 | | |
| 7,500.00 | 7,239.40 | 7,202.80 | 7,201.24 | 18.94 | 12.87 | 23.93 | -2,746.53 | 246.37 | 2,947.31 | 2,933.15 | 14.16 | 208.182 | | |
| 7,600.00 | 7,255.49 | 7,221.90 | 7,220.33 | 18.63 | 12.90 | 49.70 | -2,746.77 | 246.57 | 2,849.51 | 2,826.68 | 22.83 | 124.826 | | |
| 7,700.00 | 7,256.04 | 7,223.86 | 7,222.30 | 18.39 | 12.90 | 95.70 | -2,746.80 | 246.59 | 2,750.05 | 2,718.95 | 31.10 | 88.434 | | |
| 7,800.00 | 7,253.91 | 7,222.91 | 7,221.35 | 18.51 | 12.90 | 95.50 | -2,746.79 | 246.58 | 2,650.53 | 2,618.95 | 31.59 | 83.906 | | |
| 7,900.00 | 7,251.78 | 7,221.96 | 7,220.40 | 19.20 | 12.90 | 95.29 | -2,746.77 | 246.57 | 2,551.06 | 2,518.80 | 32.26 | 79.069 | | |
| 8,000.00 | 7,249.65 | 7,221.02 | 7,219.46 | 20.08 | 12.90 | 95.09 | -2,746.76 | 246.56 | 2,451.63 | 2,418.53 | 33.10 | 74.057 | | |
| 8,100.00 | 7,247.53 | 7,220.09 | 7,218.53 | 21.07 | 12.90 | 94.89 | -2,746.75 | 246.55 | 2,352.25 | 2,318.16 | 34.09 | 68.996 | | |
| 8,200.00 | 7,245.40 | 7,219.17 | 7,217.61 | 22.17 | 12.90 | 94.70 | -2,746.74 | 246.54 | 2,252.92 | 2,217.71 | 35.21 | 63.987 | | |
| 8,300.00 | 7,243.27 | 7,218.25 | 7,216.69 | 23.36 | 12.89 | 94.50 | -2,746.73 | 246.53 | 2,153.66 | 2,117.22 | 36.44 | 59.106 | | |
| 8,400.00 | 7,241.14 | 7,217.35 | 7,215.78 | 24.64 | 12.89 | 94.31 | -2,746.72 | 246.52 | 2,054.46 | 2,016.70 | 37.76 | 54.408 | | |
| 8,500.00 | 7,239.01 | 7,216.45 | 7,214.88 | 25.98 | 12.89 | 94.11 | -2,746.70 | 246.51 | 1,955.35 | 1,916.18 | 39.16 | 49.926 | | |
| 8,600.00 | 7,236.89 | 7,215.55 | 7,213.99 | 27.39 | 12.89 | 93.92 | -2,746.69 | 246.51 | 1,856.33 | 1,815.69 | 40.64 | 45.679 | | |
| 8,700.00 | 7,234.76 | 7,214.67 | 7,213.10 | 28.85 | 12.89 | 93.73 | -2,746.68 | 246.50 | 1,757.42 | 1,715.25 | 42.17 | 41.674 | | |
| 8,800.00 | 7,232.63 | 7,213.79 | 7,212.22 | 30.36 | 12.89 | 93.54 | -2,746.67 | 246.49 | 1,658.64 | 1,614.89 | 43.75 | 37.909 | | |
| 8,900.00 | 7,230.50 | 7,212.91 | 7,211.35 | 31.91 | 12.89 | 93.35 | -2,746.66 | 246.48 | 1,560.02 | 1,514.64 | 45.38 | 34.377 | | |
| 9,000.00 | 7,228.38 | 7,212.05 | 7,210.49 | 33.49 | 12.89 | 93.17 | -2,746.65 | 246.47 | 1,461.59 | 1,414.54 | 47.04 | 31.070 | | |
| 9,100.00 | 7,226.25 | 7,211.19 | 7,209.63 | 35.11 | 12.89 | 92.98 | -2,746.64 | 246.46 | 1,363.38 | 1,314.64 | 48.74 | 27.974 | | |
| 9,200.00 | 7,224.12 | 7,210.34 | 7,208.78 | 36.75 | 12.88 | 92.80 | -2,746.63 | 246.45 | 1,265.45 | 1,214.99 | 50.46 | 25.079 | | |
| 9,300.00 | 7,221.99 | 7,209.49 | 7,207.93 | 38.41 | 12.88 | 92.62 | -2,746.61 | 246.44 | 1,167.87 | 1,115.67 | 52.20 | 22.371 | | |
| 9,400.00 | 7,219.86 | 7,208.66 | 7,207.09 | 40.10 | 12.88 | 92.44 | -2,746.60 | 246.43 | 1,070.74 | 1,016.77 | 53.97 | 19.839 | | |
| 9,500.00 | 7,217.74 | 7,207.82 | 7,206.26 | 41.80 | 12.88 | 92.26 | -2,746.59 | 246.43 | 974.19 | 918.43 | 55.76 | 17.472 | | |
| 9,600.00 | 7,215.61 | 7,207.00 | 7,205.44 | 43.53 | 12.88 | 92.08 | -2,746.58 | 246.42 | 878.41 | 820.85 | 57.56 | 15.261 | | |
| 9,700.00 | 7,213.48 | 7,206.18 | 7,204.62 | 45.26 | 12.88 | 91.90 | -2,746.57 | 246.41 | 783.68 | 724.31 | 59.37 | 13.199 | | |
| 9,800.00 | 7,211.35 | 7,205.37 | 7,203.81 | 47.01 | 12.88 | 91.73 | -2,746.56 | 246.40 | 690.44 | 629.24 | 61.20 | 11.281 | | |
| 9,900.00 | 7,209.22 | 7,204.56 | 7,203.00 | 48.77 | 12.88 | 91.55 | -2,746.55 | 246.39 | 599.39 | 536.35 | 63.04 | 9.508 | | |
| 10,000.00 | 7,207.10 | 7,203.76 | 7,202.20 | 50.54 | 12.88 | 91.38 | -2,746.54 | 246.38 | 511.68 | 446.79 | 64.89 | 7.885 | | |
| 10,100.00 | 7,204.97 | 7,202.97 | 7,201.41 | 52.32 | 12.87 | 91.21 | -2,746.53 | 246.37 | 429.38 | 362.63 | 66.75 | 6.433 | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 ft | | |
|--------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|--|-------------------|--------------------|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | WELD_CAMP 5 PAD - HSR-SKELLY 9-26 offset - HSR SKELLY 9-26 - HSR SKELLY 9-26 | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | Warning | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | | Separation Factor | | |
| 10,200.00 | 7,202.84 | 7,202.18 | 7,200.62 | 54.11 | 12.87 | 91.04 | -2,746.52 | 246.36 | 356.26 | 287.64 | 68.62 | 5.192 | | | |
| 10,300.00 | 7,200.71 | 7,201.40 | 7,199.84 | 55.91 | 12.87 | 90.87 | -2,746.51 | 246.36 | 299.12 | 228.63 | 70.49 | 4.243 | | | |
| 10,400.00 | 7,198.59 | 7,200.00 | 7,198.44 | 57.72 | 12.87 | 90.57 | -2,746.49 | 246.34 | 268.36 | 196.01 | 72.35 | 3.709 | | | |
| 10,437.27 | 7,197.79 | 7,200.00 | 7,198.44 | 58.39 | 12.87 | 90.57 | -2,746.49 | 246.34 | 265.76 | 192.65 | 73.12 | 3.635 | CC, ES, SF | | |
| 10,500.00 | 7,196.46 | 7,199.85 | 7,198.29 | 59.53 | 12.87 | 90.54 | -2,746.49 | 246.34 | 273.07 | 198.81 | 74.26 | 3.677 | | | |
| 10,600.00 | 7,194.33 | 7,199.06 | 7,197.50 | 61.34 | 12.87 | 90.37 | -2,746.48 | 246.33 | 311.63 | 235.48 | 76.15 | 4.092 | | | |
| 10,700.00 | 7,192.20 | 7,198.26 | 7,196.70 | 63.17 | 12.87 | 90.20 | -2,746.47 | 246.32 | 373.70 | 295.66 | 78.04 | 4.789 | | | |
| 10,800.00 | 7,190.07 | 7,197.47 | 7,195.91 | 64.99 | 12.87 | 90.03 | -2,746.45 | 246.31 | 449.66 | 369.72 | 79.94 | 5.625 | | | |
| 10,900.00 | 7,187.95 | 7,196.67 | 7,195.11 | 66.83 | 12.87 | 89.85 | -2,746.44 | 246.30 | 533.61 | 451.77 | 81.84 | 6.520 | | | |
| 11,000.00 | 7,185.82 | 7,195.87 | 7,194.31 | 68.66 | 12.87 | 89.68 | -2,746.43 | 246.29 | 622.32 | 538.57 | 83.75 | 7.431 | | | |
| 11,100.00 | 7,183.69 | 7,195.07 | 7,193.51 | 70.50 | 12.87 | 89.51 | -2,746.42 | 246.29 | 714.02 | 628.36 | 85.65 | 8.336 | | | |
| 11,200.00 | 7,181.56 | 7,194.27 | 7,192.71 | 72.35 | 12.86 | 89.34 | -2,746.41 | 246.28 | 807.69 | 720.12 | 87.56 | 9.224 | | | |
| 11,300.00 | 7,179.44 | 7,193.47 | 7,191.91 | 74.19 | 12.86 | 89.16 | -2,746.40 | 246.27 | 902.71 | 813.24 | 89.48 | 10.089 | | | |
| 11,400.00 | 7,177.31 | 7,192.66 | 7,191.10 | 76.04 | 12.86 | 88.99 | -2,746.39 | 246.26 | 998.71 | 907.32 | 91.39 | 10.928 | | | |
| 11,500.00 | 7,175.18 | 7,191.85 | 7,190.29 | 77.90 | 12.86 | 88.81 | -2,746.38 | 246.25 | 1,095.43 | 1,002.12 | 93.31 | 11.740 | | | |
| 11,600.00 | 7,173.05 | 7,191.04 | 7,189.48 | 79.75 | 12.86 | 88.64 | -2,746.37 | 246.24 | 1,192.68 | 1,097.46 | 95.23 | 12.525 | | | |
| 11,700.00 | 7,170.92 | 7,190.23 | 7,188.67 | 81.61 | 12.86 | 88.47 | -2,746.36 | 246.23 | 1,290.36 | 1,193.21 | 97.14 | 13.283 | | | |
| 11,800.00 | 7,168.80 | 7,189.42 | 7,187.86 | 83.47 | 12.86 | 88.29 | -2,746.35 | 246.22 | 1,388.36 | 1,289.30 | 99.06 | 14.015 | | | |
| 11,837.41 | 7,168.00 | 7,189.11 | 7,187.55 | 84.17 | 12.86 | 88.22 | -2,746.34 | 246.22 | 1,425.10 | 1,325.32 | 99.78 | 14.282 | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design WELD_CAMP 5 PAD - HSR-STUBBEN 11-26 offset - HSR-STUBBEN 11-26 - HSR-STUBBEN 11-26 | | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -132.52 | -2,475.91 | -2,699.95 | 3,663.60 | | | | | |
| 100.00 | 100.00 | 51.60 | 51.60 | 0.08 | 0.07 | -132.52 | -2,475.96 | -2,699.93 | 3,663.33 | 3,663.18 | 0.15 | N/A | | |
| 200.00 | 200.00 | 161.83 | 161.83 | 0.31 | 0.29 | -132.53 | -2,476.33 | -2,699.62 | 3,663.36 | 3,662.76 | 0.60 | 6,144.603 | | |
| 300.00 | 300.00 | 262.19 | 262.18 | 0.53 | 0.54 | -132.54 | -2,476.67 | -2,698.86 | 3,663.04 | 3,661.96 | 1.08 | 3,403.134 | | |
| 400.00 | 400.00 | 372.13 | 372.12 | 0.76 | 0.78 | -132.55 | -2,477.02 | -2,698.17 | 3,662.80 | 3,661.26 | 1.54 | 2,381.295 | | |
| 500.00 | 500.00 | 488.53 | 488.52 | 0.98 | 1.00 | -132.55 | -2,476.46 | -2,697.51 | 3,662.05 | 3,660.07 | 1.98 | 1,846.393 | | |
| 600.00 | 600.00 | 568.97 | 568.96 | 1.21 | 1.19 | -132.56 | -2,476.25 | -2,696.91 | 3,661.33 | 3,658.93 | 2.40 | 1,526.849 | | |
| 700.00 | 700.00 | 663.62 | 663.61 | 1.43 | 1.38 | -132.56 | -2,476.29 | -2,696.58 | 3,661.10 | 3,658.28 | 2.82 | 1,299.851 | | |
| 800.00 | 800.00 | 754.57 | 754.56 | 1.66 | 1.54 | -132.56 | -2,476.07 | -2,696.51 | 3,660.88 | 3,657.69 | 3.20 | 1,145.275 | | |
| 803.23 | 803.23 | 757.24 | 757.23 | 1.66 | 1.54 | -132.56 | -2,477.84 | -2,696.51 | 3,660.88 | 3,657.67 | 3.21 | 1,141.157 | | |
| 900.00 | 900.00 | 844.00 | 843.98 | 1.88 | 1.66 | -132.56 | -2,476.43 | -2,696.40 | 3,661.06 | 3,657.52 | 3.55 | 1,032.390 | | |
| 1,000.00 | 1,000.00 | 937.35 | 937.33 | 2.11 | 1.76 | -132.56 | -2,476.51 | -2,696.74 | 3,661.39 | 3,657.53 | 3.87 | 946.855 | | |
| 1,100.00 | 1,100.00 | 1,036.22 | 1,036.21 | 2.33 | 1.87 | -132.56 | -2,476.83 | -2,697.23 | 3,661.97 | 3,657.77 | 4.20 | 871.000 | | |
| 1,200.00 | 1,200.00 | 1,148.81 | 1,148.79 | 2.56 | 2.09 | -132.57 | -2,477.49 | -2,696.97 | 3,662.19 | 3,657.54 | 4.65 | 787.538 | | |
| 1,300.00 | 1,300.00 | 1,248.14 | 1,248.12 | 2.78 | 2.29 | -132.58 | -2,477.84 | -2,696.86 | 3,662.35 | 3,657.28 | 5.07 | 722.443 | | |
| 1,400.00 | 1,399.98 | 1,349.43 | 1,349.41 | 3.00 | 2.46 | -168.98 | -2,477.92 | -2,696.99 | 3,664.21 | 3,658.74 | 5.47 | 670.456 | | |
| 1,500.00 | 1,499.84 | 1,451.01 | 1,450.98 | 3.23 | 2.66 | -168.98 | -2,478.08 | -2,696.98 | 3,669.45 | 3,663.56 | 5.89 | 623.006 | | |
| 1,600.00 | 1,599.45 | 1,546.75 | 1,546.73 | 3.45 | 2.88 | -168.97 | -2,478.23 | -2,696.97 | 3,678.10 | 3,671.77 | 6.32 | 581.521 | | |
| 1,700.00 | 1,698.70 | 1,643.21 | 1,643.19 | 3.69 | 3.10 | -168.96 | -2,478.53 | -2,697.04 | 3,690.33 | 3,683.57 | 6.75 | 546.403 | | |
| 1,800.00 | 1,797.61 | 1,743.27 | 1,743.25 | 3.95 | 3.33 | -168.99 | -2,478.79 | -2,697.09 | 3,704.97 | 3,697.77 | 7.20 | 514.651 | | |
| 1,900.00 | 1,896.51 | 1,843.44 | 1,843.41 | 4.22 | 3.52 | -169.04 | -2,479.02 | -2,697.22 | 3,719.78 | 3,712.16 | 7.62 | 488.214 | | |
| 2,000.00 | 1,995.40 | 1,951.10 | 1,951.08 | 4.51 | 3.65 | -169.08 | -2,478.96 | -2,697.37 | 3,734.41 | 3,726.43 | 7.98 | 467.973 | | |
| 2,100.00 | 2,094.30 | 2,048.21 | 2,048.18 | 4.80 | 3.78 | -169.12 | -2,478.85 | -2,697.37 | 3,748.89 | 3,740.56 | 8.33 | 449.844 | | |
| 2,200.00 | 2,193.19 | 2,166.48 | 2,166.46 | 5.10 | 3.99 | -169.18 | -2,478.93 | -2,697.19 | 3,763.43 | 3,754.65 | 8.78 | 428.833 | | |
| 2,300.00 | 2,292.09 | 2,275.88 | 2,275.86 | 5.41 | 4.16 | -169.23 | -2,478.45 | -2,696.47 | 3,777.21 | 3,768.03 | 9.18 | 411.394 | | |
| 2,400.00 | 2,390.98 | 2,353.41 | 2,353.38 | 5.72 | 4.27 | -169.26 | -2,478.13 | -2,696.16 | 3,791.22 | 3,781.70 | 9.53 | 397.908 | | |
| 2,500.00 | 2,489.88 | 2,435.81 | 2,435.78 | 6.04 | 4.38 | -169.29 | -2,478.08 | -2,696.33 | 3,805.89 | 3,796.01 | 9.88 | 385.231 | | |
| 2,600.00 | 2,588.77 | 2,534.13 | 2,534.10 | 6.36 | 4.52 | -169.33 | -2,477.98 | -2,696.66 | 3,820.63 | 3,810.38 | 10.26 | 372.489 | | |
| 2,700.00 | 2,687.67 | 2,637.81 | 2,637.78 | 6.68 | 4.68 | -169.37 | -2,478.03 | -2,697.03 | 3,835.50 | 3,824.85 | 10.66 | 359.952 | | |
| 2,800.00 | 2,786.56 | 2,737.06 | 2,737.03 | 7.01 | 4.83 | -169.40 | -2,477.41 | -2,697.40 | 3,849.93 | 3,838.89 | 11.04 | 348.657 | | |
| 2,900.00 | 2,885.46 | 2,800.00 | 2,799.96 | 7.34 | 4.92 | -169.41 | -2,477.14 | -2,698.10 | 3,865.03 | 3,853.66 | 11.37 | 339.847 | | |
| 3,000.00 | 2,984.36 | 2,884.79 | 2,884.74 | 7.67 | 5.07 | -169.44 | -2,477.22 | -2,699.36 | 3,880.75 | 3,868.99 | 11.77 | 329.836 | | |
| 3,100.00 | 3,083.25 | 2,969.99 | 2,969.93 | 8.00 | 5.24 | -169.47 | -2,477.92 | -2,700.53 | 3,896.88 | 3,884.70 | 12.18 | 320.028 | | |
| 3,200.00 | 3,182.15 | 3,100.00 | 3,099.93 | 8.34 | 5.52 | -169.52 | -2,479.52 | -2,701.64 | 3,912.95 | 3,900.26 | 12.70 | 308.221 | | |
| 3,300.00 | 3,281.04 | 3,192.33 | 3,192.25 | 8.67 | 5.72 | -169.56 | -2,480.25 | -2,702.22 | 3,928.52 | 3,915.38 | 13.14 | 299.040 | | |
| 3,400.00 | 3,379.94 | 3,288.25 | 3,288.16 | 9.01 | 5.93 | -169.60 | -2,480.99 | -2,703.01 | 3,944.22 | 3,930.63 | 13.59 | 290.236 | | |
| 3,500.00 | 3,478.83 | 3,387.87 | 3,387.77 | 9.35 | 6.16 | -169.64 | -2,481.93 | -2,703.71 | 3,959.95 | 3,945.89 | 14.06 | 281.712 | | |
| 3,600.00 | 3,577.73 | 3,476.65 | 3,476.55 | 9.69 | 6.35 | -169.67 | -2,482.40 | -2,704.78 | 3,975.77 | 3,961.28 | 14.49 | 274.421 | | |
| 3,700.00 | 3,676.62 | 3,631.87 | 3,631.74 | 10.03 | 6.61 | -169.69 | -2,481.24 | -2,707.42 | 3,991.11 | 3,976.11 | 15.00 | 266.123 | | |
| 3,800.00 | 3,775.52 | 3,740.33 | 3,740.19 | 10.37 | 6.77 | -169.72 | -2,480.28 | -2,708.02 | 4,005.48 | 3,990.09 | 15.40 | 260.129 | | |
| 3,900.00 | 3,874.41 | 3,834.63 | 3,834.49 | 10.72 | 6.91 | -169.76 | -2,480.33 | -2,707.69 | 4,019.86 | 4,004.08 | 15.79 | 254.643 | | |
| 4,000.00 | 3,973.31 | 3,925.28 | 3,925.14 | 11.06 | 7.07 | -169.80 | -2,480.54 | -2,707.40 | 4,034.39 | 4,018.20 | 16.19 | 249.222 | | |
| 4,100.00 | 4,072.20 | 4,011.69 | 4,011.55 | 11.40 | 7.24 | -169.83 | -2,480.70 | -2,707.51 | 4,049.20 | 4,032.59 | 16.60 | 243.858 | | |
| 4,200.00 | 4,171.10 | 4,101.39 | 4,101.25 | 11.75 | 7.44 | -169.86 | -2,480.94 | -2,707.88 | 4,064.27 | 4,047.22 | 17.05 | 238.426 | | |
| 4,300.00 | 4,269.99 | 4,200.00 | 4,199.86 | 12.09 | 7.64 | -169.89 | -2,480.89 | -2,708.49 | 4,079.28 | 4,061.79 | 17.49 | 233.295 | | |
| 4,400.00 | 4,368.89 | 4,279.74 | 4,279.59 | 12.44 | 7.80 | -169.92 | -2,480.90 | -2,709.19 | 4,094.55 | 4,076.66 | 17.89 | 228.874 | | |
| 4,500.00 | 4,467.78 | 4,416.36 | 4,416.20 | 12.78 | 8.06 | -169.95 | -2,480.96 | -2,710.46 | 4,109.89 | 4,091.49 | 18.40 | 223.364 | | |
| 4,600.00 | 4,566.68 | 4,516.17 | 4,516.02 | 13.13 | 8.23 | -169.98 | -2,480.33 | -2,711.24 | 4,124.62 | 4,105.80 | 18.82 | 219.200 | | |
| 4,700.00 | 4,665.57 | 4,618.37 | 4,618.21 | 13.48 | 8.41 | -170.00 | -2,479.87 | -2,711.78 | 4,139.29 | 4,120.05 | 19.24 | 215.134 | | |
| 4,800.00 | 4,764.47 | 4,716.60 | 4,716.44 | 13.82 | 8.59 | -170.03 | -2,479.40 | -2,712.24 | 4,153.91 | 4,134.25 | 19.66 | 211.283 | | |
| 4,900.00 | 4,863.36 | 4,803.22 | 4,803.06 | 14.17 | 8.75 | -170.05 | -2,479.08 | -2,712.80 | 4,168.72 | 4,148.65 | 20.07 | 207.706 | | |
| 5,000.00 | 4,962.26 | 4,923.84 | 4,923.68 | 14.52 | 8.95 | -170.10 | -2,479.22 | -2,712.69 | 4,183.32 | 4,162.81 | 20.51 | 203.922 | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| WELD_CAMP 5 PAD - HSR-STUBBEN 11-26 offset - HSR-STUBBEN 11-26 - HSR-STUBBEN 11-26 | | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | | | |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 5,100.00 | 5,061.15 | 5,017.43 | 5,017.27 | 14.87 | 9.09 | -170.14 | -2,479.62 | -2,712.17 | 4,197.83 | 4,176.93 | 20.90 | 200.869 | | |
| 5,200.00 | 5,160.05 | 5,114.20 | 5,114.03 | 15.21 | 9.25 | -170.17 | -2,479.41 | -2,712.31 | 4,212.40 | 4,191.09 | 21.31 | 197.708 | | |
| 5,300.00 | 5,258.94 | 5,202.55 | 5,202.38 | 15.56 | 9.42 | -170.19 | -2,479.16 | -2,712.72 | 4,227.14 | 4,205.42 | 21.72 | 194.599 | | |
| 5,400.00 | 5,357.84 | 5,312.65 | 5,312.48 | 15.91 | 9.63 | -170.23 | -2,479.01 | -2,713.01 | 4,241.85 | 4,219.67 | 22.18 | 191.241 | | |
| 5,500.00 | 5,456.73 | 5,407.61 | 5,407.44 | 16.26 | 9.81 | -170.26 | -2,478.87 | -2,713.18 | 4,256.49 | 4,233.88 | 22.61 | 188.282 | | |
| 5,600.00 | 5,555.63 | 5,500.00 | 5,499.83 | 16.61 | 10.01 | -170.29 | -2,478.92 | -2,713.39 | 4,271.30 | 4,248.25 | 23.05 | 185.309 | | |
| 5,700.00 | 5,654.52 | 5,600.00 | 5,599.83 | 16.96 | 10.23 | -170.32 | -2,478.97 | -2,713.61 | 4,286.10 | 4,262.59 | 23.51 | 182.309 | | |
| 5,800.00 | 5,753.42 | 5,684.09 | 5,683.92 | 17.31 | 10.41 | -170.34 | -2,479.02 | -2,713.91 | 4,301.03 | 4,277.09 | 23.94 | 179.666 | | |
| 5,900.00 | 5,852.31 | 5,785.13 | 5,784.95 | 17.66 | 10.64 | -170.38 | -2,479.24 | -2,714.50 | 4,316.22 | 4,291.80 | 24.42 | 176.781 | | |
| 6,000.00 | 5,951.21 | 5,880.47 | 5,880.29 | 18.01 | 10.86 | -170.40 | -2,479.42 | -2,715.01 | 4,331.35 | 4,306.47 | 24.88 | 174.072 | | |
| 6,100.00 | 6,050.10 | 5,979.20 | 5,979.02 | 18.36 | 11.09 | -170.43 | -2,479.72 | -2,715.53 | 4,346.55 | 4,321.20 | 25.36 | 171.406 | | |
| 6,200.00 | 6,149.00 | 6,073.27 | 6,073.09 | 18.71 | 11.31 | -170.46 | -2,480.03 | -2,716.03 | 4,361.79 | 4,335.96 | 25.82 | 168.904 | | |
| 6,300.00 | 6,247.89 | 6,152.51 | 6,152.32 | 19.06 | 11.50 | -170.49 | -2,480.35 | -2,716.67 | 4,377.27 | 4,351.01 | 26.26 | 166.708 | | |
| 6,400.00 | 6,346.79 | 6,222.93 | 6,222.74 | 19.41 | 11.66 | -170.50 | -2,480.67 | -2,717.76 | 4,393.31 | 4,366.64 | 26.67 | 164.729 | | |
| 6,500.00 | 6,445.68 | 6,300.00 | 6,299.79 | 19.76 | 11.84 | -170.52 | -2,481.75 | -2,719.12 | 4,410.10 | 4,383.01 | 27.10 | 162.753 | | |
| 6,600.00 | 6,544.58 | 6,369.60 | 6,369.36 | 20.11 | 12.00 | -170.55 | -2,483.37 | -2,720.28 | 4,427.44 | 4,399.94 | 27.50 | 160.992 | | |
| 6,700.00 | 6,643.53 | 6,443.81 | 6,443.53 | 20.44 | 12.17 | 176.04 | -2,485.52 | -2,721.42 | 4,444.79 | 4,416.84 | 27.95 | 159.014 | | |
| 6,800.00 | 6,743.00 | 6,500.00 | 6,499.68 | 20.62 | 12.30 | 87.25 | -2,487.43 | -2,722.50 | 4,454.13 | 4,425.93 | 28.20 | 157.943 | | |
| 6,900.00 | 6,840.75 | 6,572.26 | 6,571.86 | 20.64 | 12.46 | 63.85 | -2,490.16 | -2,724.41 | 4,452.00 | 4,423.90 | 28.10 | 158.437 | | |
| 7,000.00 | 6,933.82 | 6,745.14 | 6,744.56 | 20.54 | 12.87 | 59.00 | -2,495.67 | -2,729.71 | 4,437.99 | 4,409.99 | 28.00 | 158.513 | | |
| 7,100.00 | 7,019.36 | 6,975.11 | 6,974.49 | 20.31 | 13.39 | 59.67 | -2,496.74 | -2,733.62 | 4,409.91 | 4,381.83 | 28.08 | 157.049 | | |
| 7,200.00 | 7,094.79 | 7,121.81 | 7,121.12 | 20.01 | 13.63 | 62.80 | -2,493.12 | -2,735.28 | 4,370.18 | 4,341.95 | 28.23 | 154.802 | | |
| 7,300.00 | 7,157.81 | 7,234.51 | 7,233.71 | 19.66 | 13.79 | 67.86 | -2,488.18 | -2,736.22 | 4,321.43 | 4,292.59 | 28.84 | 149.822 | | |
| 7,400.00 | 7,206.51 | 7,299.24 | 7,298.38 | 19.29 | 13.87 | 74.15 | -2,485.30 | -2,736.13 | 4,266.30 | 4,236.52 | 29.77 | 143.305 | | |
| 7,500.00 | 7,239.40 | 7,324.61 | 7,323.72 | 18.94 | 13.90 | 81.21 | -2,484.26 | -2,735.95 | 4,207.10 | 4,176.41 | 30.69 | 137.066 | | |
| 7,600.00 | 7,255.49 | 7,335.31 | 7,334.42 | 18.63 | 13.92 | 88.84 | -2,483.84 | -2,735.87 | 4,145.95 | 4,114.59 | 31.36 | 132.215 | | |
| 7,700.00 | 7,256.04 | 7,332.40 | 7,331.51 | 18.39 | 13.91 | 93.07 | -2,483.96 | -2,735.89 | 4,084.81 | 4,053.00 | 31.81 | 128.419 | | |
| 7,800.00 | 7,253.91 | 7,327.04 | 7,326.15 | 18.51 | 13.91 | 92.97 | -2,484.16 | -2,735.94 | 4,025.10 | 3,992.80 | 32.30 | 124.615 | | |
| 7,900.00 | 7,251.78 | 7,321.55 | 7,320.67 | 19.20 | 13.90 | 92.88 | -2,484.38 | -2,735.98 | 3,967.01 | 3,934.03 | 32.98 | 120.299 | | |
| 8,000.00 | 7,249.65 | 7,315.93 | 7,315.06 | 20.08 | 13.89 | 92.78 | -2,484.61 | -2,736.02 | 3,910.60 | 3,876.78 | 33.82 | 115.631 | | |
| 8,100.00 | 7,247.53 | 7,310.19 | 7,309.32 | 21.07 | 13.89 | 92.68 | -2,484.84 | -2,736.06 | 3,855.95 | 3,821.14 | 34.81 | 110.768 | | |
| 8,200.00 | 7,245.40 | 7,304.32 | 7,303.45 | 22.17 | 13.88 | 92.57 | -2,485.09 | -2,736.10 | 3,803.13 | 3,767.20 | 35.93 | 105.843 | | |
| 8,300.00 | 7,243.27 | 7,297.19 | 7,296.34 | 23.36 | 13.87 | 92.45 | -2,485.39 | -2,736.14 | 3,752.23 | 3,715.07 | 37.16 | 100.976 | | |
| 8,400.00 | 7,241.14 | 7,287.06 | 7,286.22 | 24.64 | 13.86 | 92.27 | -2,485.83 | -2,736.19 | 3,703.31 | 3,664.84 | 38.47 | 96.262 | | |
| 8,500.00 | 7,239.01 | 7,276.75 | 7,275.91 | 25.98 | 13.85 | 92.09 | -2,486.28 | -2,736.23 | 3,656.46 | 3,616.59 | 39.86 | 91.724 | | |
| 8,600.00 | 7,236.89 | 7,266.25 | 7,265.42 | 27.39 | 13.83 | 91.91 | -2,486.74 | -2,736.25 | 3,611.75 | 3,570.42 | 41.32 | 87.401 | | |
| 8,700.00 | 7,234.76 | 7,255.55 | 7,254.74 | 28.85 | 13.82 | 91.72 | -2,487.22 | -2,736.26 | 3,569.26 | 3,526.41 | 42.84 | 83.311 | | |
| 8,800.00 | 7,232.63 | 7,244.66 | 7,243.85 | 30.36 | 13.80 | 91.53 | -2,487.71 | -2,736.24 | 3,529.07 | 3,484.66 | 44.41 | 79.465 | | |
| 8,900.00 | 7,230.50 | 7,233.56 | 7,232.76 | 31.91 | 13.79 | 91.33 | -2,488.23 | -2,736.22 | 3,491.26 | 3,445.24 | 46.02 | 75.865 | | |
| 9,000.00 | 7,228.38 | 7,222.25 | 7,221.47 | 33.49 | 13.77 | 91.13 | -2,488.75 | -2,736.17 | 3,455.92 | 3,408.25 | 47.66 | 72.504 | | |
| 9,100.00 | 7,226.25 | 7,210.72 | 7,209.95 | 35.11 | 13.76 | 90.93 | -2,489.30 | -2,736.10 | 3,423.11 | 3,373.77 | 49.34 | 69.377 | | |
| 9,200.00 | 7,224.12 | 7,199.20 | 7,198.44 | 36.75 | 13.74 | 90.73 | -2,489.85 | -2,736.01 | 3,392.90 | 3,341.86 | 51.04 | 66.471 | | |
| 9,300.00 | 7,221.99 | 7,190.11 | 7,189.37 | 38.41 | 13.73 | 90.57 | -2,490.28 | -2,735.94 | 3,365.38 | 3,312.60 | 52.78 | 63.765 | | |
| 9,400.00 | 7,219.86 | 7,181.38 | 7,180.64 | 40.10 | 13.72 | 90.41 | -2,490.69 | -2,735.86 | 3,340.60 | 3,286.07 | 54.53 | 61.257 | | |
| 9,500.00 | 7,217.74 | 7,172.98 | 7,172.26 | 41.80 | 13.71 | 90.27 | -2,491.06 | -2,735.79 | 3,318.64 | 3,262.33 | 56.31 | 58.935 | | |
| 9,600.00 | 7,215.61 | 7,164.90 | 7,164.18 | 43.53 | 13.69 | 90.12 | -2,491.41 | -2,735.71 | 3,299.55 | 3,241.45 | 58.10 | 56.788 | | |
| 9,700.00 | 7,213.48 | 7,157.12 | 7,156.41 | 45.26 | 13.68 | 89.99 | -2,491.74 | -2,735.64 | 3,283.38 | 3,223.47 | 59.91 | 54.804 | | |
| 9,800.00 | 7,211.35 | 7,149.62 | 7,148.91 | 47.01 | 13.67 | 89.85 | -2,492.05 | -2,735.56 | 3,270.17 | 3,208.44 | 61.73 | 52.974 | | |
| 9,900.00 | 7,209.22 | 7,142.38 | 7,141.68 | 48.77 | 13.66 | 89.73 | -2,492.34 | -2,735.49 | 3,259.96 | 3,196.40 | 63.57 | 51.285 | | |
| 10,000.00 | 7,207.10 | 7,135.40 | 7,134.71 | 50.54 | 13.65 | 89.60 | -2,492.61 | -2,735.42 | 3,252.79 | 3,187.38 | 65.41 | 49.730 | | |
| 10,100.00 | 7,204.97 | 7,128.66 | 7,127.97 | 52.32 | 13.64 | 89.48 | -2,492.87 | -2,735.35 | 3,248.66 | 3,181.40 | 67.26 | 48.298 | | |
| 10,184.59 | 7,203.17 | 7,123.14 | 7,122.45 | 53.84 | 13.63 | 89.39 | -2,493.07 | -2,735.29 | 3,247.57 | 3,178.72 | 68.85 | 47.167 | CC | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|--------------------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | | | Offset | | Semi Major Axis | | | Distance | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | |
| 10,200.00 | 7,202.84 | 7,122.15 | 7,121.46 | 54.11 | 13.63 | 89.37 | -2,493.11 | -2,735.28 | 3,247.60 | 3,178.48 | 69.13 | 46.981 | ES | | |
| 10,300.00 | 7,200.71 | 7,115.85 | 7,115.17 | 55.91 | 13.62 | 89.26 | -2,493.34 | -2,735.21 | 3,249.61 | 3,178.61 | 71.00 | 45.772 | | | |
| 10,400.00 | 7,198.59 | 7,109.76 | 7,109.08 | 57.72 | 13.61 | 89.15 | -2,493.55 | -2,735.15 | 3,254.68 | 3,181.80 | 72.87 | 44.662 | | | |
| 10,500.00 | 7,196.46 | 7,103.86 | 7,103.19 | 59.53 | 13.61 | 89.05 | -2,493.75 | -2,735.08 | 3,262.79 | 3,188.04 | 74.76 | 43.645 | | | |
| 10,600.00 | 7,194.33 | 7,100.00 | 7,099.33 | 61.34 | 13.60 | 88.98 | -2,493.88 | -2,735.04 | 3,273.94 | 3,197.28 | 76.66 | 42.709 | | | |
| 10,700.00 | 7,192.20 | 7,093.40 | 7,092.74 | 63.17 | 13.59 | 88.86 | -2,494.09 | -2,734.96 | 3,288.07 | 3,209.53 | 78.55 | 41.862 | | | |
| 10,800.00 | 7,190.07 | 7,088.60 | 7,087.94 | 64.99 | 13.58 | 88.78 | -2,494.25 | -2,734.91 | 3,305.17 | 3,224.72 | 80.45 | 41.084 | | | |
| 10,900.00 | 7,187.95 | 7,083.93 | 7,083.27 | 66.83 | 13.57 | 88.70 | -2,494.39 | -2,734.85 | 3,325.18 | 3,242.83 | 82.36 | 40.376 | | | |
| 11,000.00 | 7,185.82 | 7,079.40 | 7,078.74 | 68.66 | 13.57 | 88.62 | -2,494.53 | -2,734.80 | 3,348.05 | 3,263.79 | 84.27 | 39.731 | | | |
| 11,100.00 | 7,183.69 | 7,075.00 | 7,074.34 | 70.50 | 13.56 | 88.54 | -2,494.65 | -2,734.75 | 3,373.73 | 3,287.55 | 86.18 | 39.146 | | | |
| 11,200.00 | 7,181.56 | 7,070.71 | 7,070.06 | 72.35 | 13.55 | 88.46 | -2,494.78 | -2,734.70 | 3,402.14 | 3,314.04 | 88.10 | 38.616 | | | |
| 11,300.00 | 7,179.44 | 7,066.54 | 7,065.89 | 74.19 | 13.55 | 88.39 | -2,494.89 | -2,734.66 | 3,433.23 | 3,343.21 | 90.02 | 38.137 | | | |
| 11,400.00 | 7,177.31 | 7,062.49 | 7,061.84 | 76.04 | 13.54 | 88.32 | -2,495.00 | -2,734.61 | 3,466.92 | 3,374.97 | 91.95 | 37.705 | | | |
| 11,500.00 | 7,175.18 | 7,058.54 | 7,057.90 | 77.90 | 13.53 | 88.25 | -2,495.11 | -2,734.57 | 3,503.14 | 3,409.26 | 93.88 | 37.316 | | | |
| 11,600.00 | 7,173.05 | 7,054.70 | 7,054.05 | 79.75 | 13.53 | 88.18 | -2,495.21 | -2,734.52 | 3,541.80 | 3,445.99 | 95.81 | 36.968 | | | |
| 11,700.00 | 7,170.92 | 7,050.96 | 7,050.31 | 81.61 | 13.52 | 88.12 | -2,495.30 | -2,734.48 | 3,582.83 | 3,485.09 | 97.74 | 36.656 | | | |
| 11,800.00 | 7,168.80 | 7,047.31 | 7,046.66 | 83.47 | 13.52 | 88.05 | -2,495.40 | -2,734.44 | 3,626.15 | 3,526.48 | 99.68 | 36.379 | | | |
| 11,837.41 | 7,168.00 | 7,045.97 | 7,045.32 | 84.17 | 13.51 | 88.03 | -2,495.43 | -2,734.42 | 3,642.94 | 3,542.53 | 100.40 | 36.284 | SF | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|--------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Reference | | | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 174.48 | -1,333.28 | 128.78 | 1,339.57 | | | | | |
| 100.00 | 100.00 | 82.15 | 82.15 | 0.08 | 0.11 | 174.48 | -1,333.35 | 128.97 | 1,339.58 | 1,339.38 | 0.19 | 6,926.605 | | |
| 200.00 | 200.00 | 186.19 | 186.18 | 0.31 | 0.35 | 174.44 | -1,333.40 | 129.71 | 1,339.69 | 1,339.03 | 0.66 | 2,019.008 | | |
| 280.20 | 280.20 | 265.17 | 265.16 | 0.49 | 0.56 | 174.41 | -1,333.27 | 130.39 | 1,339.63 | 1,338.58 | 1.05 | 1,276.306 | | |
| 300.00 | 300.00 | 284.39 | 284.38 | 0.53 | 0.61 | 174.41 | -1,333.26 | 130.52 | 1,339.63 | 1,338.49 | 1.14 | 1,170.664 | | |
| 400.00 | 400.00 | 385.59 | 385.58 | 0.76 | 0.87 | 174.39 | -1,333.24 | 130.96 | 1,339.66 | 1,338.03 | 1.63 | 821.174 | | |
| 500.00 | 500.00 | 492.58 | 492.57 | 0.98 | 1.13 | 174.37 | -1,332.91 | 131.33 | 1,339.38 | 1,337.27 | 2.12 | 632.874 | | |
| 600.00 | 600.00 | 598.19 | 598.17 | 1.21 | 1.34 | 174.36 | -1,332.05 | 131.60 | 1,338.60 | 1,336.06 | 2.55 | 525.973 | | |
| 700.00 | 700.00 | 695.00 | 694.98 | 1.43 | 1.46 | 174.37 | -1,331.24 | 131.23 | 1,337.73 | 1,334.84 | 2.89 | 462.281 | | |
| 800.00 | 800.00 | 787.94 | 787.92 | 1.66 | 1.54 | 174.40 | -1,330.86 | 130.48 | 1,337.24 | 1,334.04 | 3.20 | 417.910 | | |
| 900.00 | 900.00 | 897.33 | 897.30 | 1.88 | 1.67 | 174.44 | -1,330.41 | 129.48 | 1,336.75 | 1,333.20 | 3.55 | 376.085 | | |
| 1,000.00 | 1,000.00 | 993.49 | 993.45 | 2.11 | 1.85 | 174.46 | -1,329.70 | 128.90 | 1,335.96 | 1,332.00 | 3.96 | 337.320 | | |
| 1,100.00 | 1,100.00 | 1,085.86 | 1,085.82 | 2.33 | 2.01 | 174.48 | -1,329.42 | 128.44 | 1,335.61 | 1,331.27 | 4.34 | 307.752 | | |
| 1,200.00 | 1,200.00 | 1,188.25 | 1,188.21 | 2.56 | 2.18 | 174.51 | -1,329.38 | 127.82 | 1,335.51 | 1,330.78 | 4.73 | 282.156 | | |
| 1,300.00 | 1,300.00 | 1,292.20 | 1,292.16 | 2.78 | 2.38 | 174.53 | -1,329.03 | 127.17 | 1,335.12 | 1,329.96 | 5.17 | 258.458 | | |
| 1,318.87 | 1,318.87 | 1,310.46 | 1,310.42 | 2.82 | 2.42 | 138.14 | -1,328.95 | 127.00 | 1,335.07 | 1,329.83 | 5.24 | 254.573 | | |
| 1,400.00 | 1,399.98 | 1,385.12 | 1,385.08 | 3.00 | 2.56 | 138.20 | -1,328.83 | 126.36 | 1,336.12 | 1,330.55 | 5.57 | 239.861 | | |
| 1,500.00 | 1,499.84 | 1,488.04 | 1,488.00 | 3.23 | 2.77 | 138.33 | -1,328.84 | 125.63 | 1,339.97 | 1,333.98 | 6.00 | 223.378 | | |
| 1,600.00 | 1,599.45 | 1,590.52 | 1,590.47 | 3.45 | 3.00 | 138.53 | -1,328.53 | 125.01 | 1,346.15 | 1,339.70 | 6.46 | 208.468 | | |
| 1,700.00 | 1,698.70 | 1,688.61 | 1,688.56 | 3.69 | 3.23 | 138.77 | -1,328.17 | 124.36 | 1,354.92 | 1,348.00 | 6.92 | 195.765 | | |
| 1,800.00 | 1,797.61 | 1,786.95 | 1,786.89 | 3.95 | 3.46 | 139.17 | -1,327.90 | 123.68 | 1,365.73 | 1,358.33 | 7.40 | 184.626 | | |
| 1,900.00 | 1,896.51 | 1,891.01 | 1,890.95 | 4.22 | 3.71 | 139.62 | -1,327.46 | 122.85 | 1,376.57 | 1,368.66 | 7.90 | 174.241 | | |
| 2,000.00 | 1,995.40 | 1,989.63 | 1,989.57 | 4.51 | 3.95 | 140.03 | -1,326.80 | 122.42 | 1,387.25 | 1,378.85 | 8.40 | 165.132 | | |
| 2,100.00 | 2,094.30 | 2,088.94 | 2,088.88 | 4.80 | 4.20 | 140.43 | -1,326.15 | 122.19 | 1,398.03 | 1,389.12 | 8.91 | 156.943 | | |
| 2,200.00 | 2,193.19 | 2,210.60 | 2,210.52 | 5.10 | 4.51 | 140.92 | -1,324.43 | 121.49 | 1,408.13 | 1,398.65 | 9.48 | 148.586 | | |
| 2,300.00 | 2,292.09 | 2,326.44 | 2,326.31 | 5.41 | 4.79 | 141.40 | -1,321.11 | 120.52 | 1,416.82 | 1,406.79 | 10.03 | 141.220 | | |
| 2,400.00 | 2,390.98 | 2,429.53 | 2,429.32 | 5.72 | 5.05 | 141.82 | -1,317.18 | 119.34 | 1,424.64 | 1,414.08 | 10.56 | 134.895 | | |
| 2,500.00 | 2,489.88 | 2,515.69 | 2,515.42 | 6.04 | 5.27 | 142.18 | -1,314.46 | 118.19 | 1,433.17 | 1,422.12 | 11.05 | 129.683 | | |
| 2,600.00 | 2,588.77 | 2,616.03 | 2,615.72 | 6.36 | 5.53 | 142.57 | -1,311.54 | 117.47 | 1,442.04 | 1,430.47 | 11.57 | 124.584 | | |
| 2,700.00 | 2,687.67 | 2,707.53 | 2,707.19 | 6.68 | 5.75 | 142.90 | -1,309.15 | 117.35 | 1,451.27 | 1,439.20 | 12.07 | 120.222 | | |
| 2,800.00 | 2,786.56 | 2,808.06 | 2,807.69 | 7.01 | 6.00 | 143.26 | -1,306.70 | 117.20 | 1,460.74 | 1,448.15 | 12.59 | 116.004 | | |
| 2,900.00 | 2,885.46 | 2,900.00 | 2,899.60 | 7.34 | 6.23 | 143.59 | -1,304.50 | 117.00 | 1,470.31 | 1,457.22 | 13.10 | 112.276 | | |
| 3,000.00 | 2,984.36 | 2,991.70 | 2,991.29 | 7.67 | 6.46 | 143.91 | -1,302.75 | 116.88 | 1,480.43 | 1,466.83 | 13.60 | 108.866 | | |
| 3,100.00 | 3,083.25 | 3,090.18 | 3,089.76 | 8.00 | 6.70 | 144.24 | -1,301.35 | 116.97 | 1,491.06 | 1,476.95 | 14.11 | 105.665 | | |
| 3,200.00 | 3,182.15 | 3,191.97 | 3,191.53 | 8.34 | 6.95 | 144.57 | -1,299.80 | 117.03 | 1,501.64 | 1,487.00 | 14.63 | 102.613 | | |
| 3,300.00 | 3,281.04 | 3,283.46 | 3,283.01 | 8.67 | 7.15 | 144.87 | -1,298.52 | 117.17 | 1,512.39 | 1,497.28 | 15.11 | 100.068 | | |
| 3,400.00 | 3,379.94 | 3,380.36 | 3,379.90 | 9.01 | 7.34 | 145.15 | -1,297.56 | 118.06 | 1,523.57 | 1,507.99 | 15.58 | 97.813 | | |
| 3,500.00 | 3,478.83 | 3,488.13 | 3,487.67 | 9.35 | 7.56 | 145.46 | -1,296.29 | 119.00 | 1,534.60 | 1,518.53 | 16.07 | 95.495 | | |
| 3,600.00 | 3,577.73 | 3,591.91 | 3,591.43 | 9.69 | 7.80 | 145.76 | -1,294.52 | 119.73 | 1,545.15 | 1,528.57 | 16.58 | 93.191 | | |
| 3,700.00 | 3,676.62 | 3,689.82 | 3,689.32 | 10.03 | 8.01 | 146.03 | -1,292.77 | 120.75 | 1,555.64 | 1,538.57 | 17.07 | 91.134 | | |
| 3,800.00 | 3,775.52 | 3,789.04 | 3,788.51 | 10.37 | 8.21 | 146.27 | -1,291.09 | 122.46 | 1,566.22 | 1,548.68 | 17.54 | 89.277 | | |
| 3,900.00 | 3,874.41 | 3,877.95 | 3,877.39 | 10.72 | 8.37 | 146.47 | -1,289.84 | 124.26 | 1,577.11 | 1,559.13 | 17.98 | 87.720 | | |
| 4,000.00 | 3,973.31 | 4,000.63 | 4,000.02 | 11.06 | 8.60 | 146.74 | -1,287.96 | 127.02 | 1,587.93 | 1,569.45 | 18.48 | 85.935 | | |
| 4,100.00 | 4,072.20 | 4,112.43 | 4,111.74 | 11.40 | 8.85 | 146.99 | -1,284.66 | 129.56 | 1,597.30 | 1,578.30 | 19.00 | 84.072 | | |
| 4,200.00 | 4,171.10 | 4,208.39 | 4,207.63 | 11.75 | 9.07 | 147.20 | -1,281.65 | 131.67 | 1,606.52 | 1,587.03 | 19.49 | 82.411 | | |
| 4,300.00 | 4,269.99 | 4,317.19 | 4,316.35 | 12.09 | 9.33 | 147.45 | -1,277.83 | 133.53 | 1,615.42 | 1,595.40 | 20.03 | 80.665 | | |
| 4,400.00 | 4,368.89 | 4,405.69 | 4,404.79 | 12.44 | 9.55 | 147.66 | -1,274.87 | 134.85 | 1,624.53 | 1,604.02 | 20.52 | 79.183 | | |
| 4,500.00 | 4,467.78 | 4,504.54 | 4,503.58 | 12.78 | 9.79 | 147.88 | -1,271.89 | 136.62 | 1,633.99 | 1,612.97 | 21.02 | 77.719 | | |
| 4,600.00 | 4,566.68 | 4,595.52 | 4,594.51 | 13.13 | 10.00 | 148.08 | -1,269.43 | 138.46 | 1,643.75 | 1,622.24 | 21.51 | 76.423 | | |
| 4,700.00 | 4,665.57 | 4,691.48 | 4,690.42 | 13.48 | 10.22 | 148.28 | -1,267.19 | 140.43 | 1,653.89 | 1,631.89 | 22.00 | 75.178 | | |
| 4,800.00 | 4,764.47 | 4,800.80 | 4,799.68 | 13.82 | 10.48 | 148.50 | -1,264.44 | 142.65 | 1,663.88 | 1,641.36 | 22.52 | 73.870 | | |
| 4,900.00 | 4,863.36 | 4,899.04 | 4,897.87 | 14.17 | 10.71 | 148.71 | -1,261.65 | 144.43 | 1,673.60 | 1,650.56 | 23.03 | 72.661 | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | | |
|--------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|---|---------|--------------------|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | | WELD_CAMP 5 PAD - HSR-TERRY 8-26 offset - HSR-TERRY 8-26 - HSR-TERRY 8-26 | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | | |
| 5,000.00 | 4,962.26 | 5,012.70 | 5,011.46 | 14.52 | 11.01 | 148.99 | -1,257.74 | 145.47 | 1,682.80 | 1,659.21 | 23.59 | 71.342 | | | | |
| 5,100.00 | 5,061.15 | 5,100.00 | 5,098.71 | 14.87 | 11.23 | 149.23 | -1,254.88 | 145.30 | 1,692.30 | 1,668.22 | 24.08 | 70.276 | | | | |
| 5,200.00 | 5,160.05 | 5,171.22 | 5,169.91 | 15.21 | 11.41 | 149.43 | -1,253.37 | 144.88 | 1,702.98 | 1,678.45 | 24.53 | 69.426 | | | | |
| 5,300.00 | 5,258.94 | 5,253.07 | 5,251.75 | 15.56 | 11.59 | 149.66 | -1,252.59 | 144.48 | 1,714.89 | 1,689.92 | 24.97 | 68.666 | | | | |
| 5,400.00 | 5,357.84 | 5,344.65 | 5,343.33 | 15.91 | 11.75 | 149.90 | -1,252.42 | 143.97 | 1,727.61 | 1,702.21 | 25.40 | 68.011 | | | | |
| 5,500.00 | 5,456.73 | 5,444.86 | 5,443.54 | 16.26 | 11.91 | 150.18 | -1,252.24 | 143.03 | 1,740.42 | 1,714.60 | 25.83 | 67.390 | | | | |
| 5,600.00 | 5,555.63 | 5,541.75 | 5,540.42 | 16.61 | 12.07 | 150.46 | -1,251.99 | 141.80 | 1,753.24 | 1,727.00 | 26.25 | 66.801 | | | | |
| 5,700.00 | 5,654.52 | 5,634.86 | 5,633.52 | 16.96 | 12.21 | 150.72 | -1,251.99 | 140.48 | 1,766.37 | 1,739.72 | 26.65 | 66.287 | | | | |
| 5,800.00 | 5,753.42 | 5,730.61 | 5,729.26 | 17.31 | 12.34 | 151.00 | -1,252.24 | 138.89 | 1,779.82 | 1,752.78 | 27.04 | 65.824 | | | | |
| 5,900.00 | 5,852.31 | 5,832.92 | 5,831.54 | 17.66 | 12.49 | 151.31 | -1,252.39 | 136.68 | 1,793.28 | 1,765.84 | 27.45 | 65.337 | | | | |
| 6,000.00 | 5,951.21 | 5,933.05 | 5,931.65 | 18.01 | 12.65 | 151.60 | -1,252.29 | 134.62 | 1,806.53 | 1,778.66 | 27.86 | 64.833 | | | | |
| 6,100.00 | 6,050.10 | 6,022.11 | 6,020.69 | 18.36 | 12.79 | 151.86 | -1,252.47 | 132.79 | 1,820.11 | 1,791.85 | 28.26 | 64.409 | | | | |
| 6,200.00 | 6,149.00 | 6,111.42 | 6,109.97 | 18.71 | 12.91 | 152.11 | -1,253.22 | 130.84 | 1,834.37 | 1,805.74 | 28.64 | 64.059 | | | | |
| 6,300.00 | 6,247.89 | 6,240.41 | 6,238.92 | 19.06 | 13.12 | 152.49 | -1,253.24 | 127.71 | 1,847.89 | 1,818.79 | 29.10 | 63.502 | | | | |
| 6,400.00 | 6,346.79 | 6,352.80 | 6,351.28 | 19.41 | 13.37 | 152.81 | -1,252.01 | 125.25 | 1,860.36 | 1,830.76 | 29.60 | 62.858 | | | | |
| 6,500.00 | 6,445.68 | 6,457.34 | 6,455.80 | 19.76 | 13.62 | 153.06 | -1,250.52 | 124.22 | 1,872.35 | 1,842.25 | 30.10 | 62.194 | | | | |
| 6,600.00 | 6,544.58 | 6,555.76 | 6,554.21 | 20.11 | 13.87 | 153.27 | -1,249.17 | 124.24 | 1,884.26 | 1,853.65 | 30.61 | 61.558 | | | | |
| 6,700.00 | 6,643.53 | 6,657.40 | 6,655.84 | 20.44 | 14.13 | 140.38 | -1,247.78 | 124.04 | 1,895.69 | 1,864.70 | 31.00 | 61.158 | | | | |
| 6,800.00 | 6,743.00 | 6,757.28 | 6,755.71 | 20.82 | 14.38 | 52.52 | -1,246.22 | 123.95 | 1,894.59 | 1,863.51 | 31.08 | 60.957 | | | | |
| 6,900.00 | 6,840.75 | 6,856.15 | 6,854.58 | 20.64 | 14.64 | 29.56 | -1,244.67 | 123.41 | 1,876.59 | 1,846.35 | 30.24 | 62.056 | | | | |
| 7,000.00 | 6,933.82 | 6,955.95 | 6,954.36 | 20.54 | 14.89 | 24.25 | -1,242.85 | 122.97 | 1,841.98 | 1,813.43 | 28.55 | 64.517 | | | | |
| 7,100.00 | 7,019.36 | 7,045.73 | 7,044.11 | 20.31 | 15.13 | 23.39 | -1,240.87 | 122.73 | 1,791.80 | 1,765.64 | 26.16 | 68.498 | | | | |
| 7,200.00 | 7,094.79 | 7,130.79 | 7,129.15 | 20.01 | 15.34 | 25.14 | -1,238.84 | 122.94 | 1,727.83 | 1,704.36 | 23.48 | 73.592 | | | | |
| 7,300.00 | 7,157.81 | 7,209.54 | 7,207.85 | 19.66 | 15.54 | 29.88 | -1,236.09 | 123.36 | 1,651.60 | 1,630.12 | 21.48 | 76.878 | | | | |
| 7,400.00 | 7,206.51 | 7,247.54 | 7,245.82 | 19.29 | 15.63 | 38.30 | -1,234.70 | 123.61 | 1,566.33 | 1,544.52 | 21.81 | 71.826 | | | | |
| 7,500.00 | 7,239.40 | 7,272.71 | 7,270.97 | 18.94 | 15.69 | 54.29 | -1,233.89 | 123.78 | 1,474.90 | 1,448.45 | 26.46 | 55.749 | | | | |
| 7,600.00 | 7,255.49 | 7,283.90 | 7,282.16 | 18.63 | 15.72 | 81.83 | -1,233.55 | 123.86 | 1,380.04 | 1,347.39 | 32.64 | 42.280 | | | | |
| 7,700.00 | 7,256.04 | 7,281.83 | 7,280.09 | 18.39 | 15.72 | 99.52 | -1,233.61 | 123.85 | 1,284.53 | 1,250.30 | 34.22 | 37.534 | | | | |
| 7,800.00 | 7,253.91 | 7,277.37 | 7,275.64 | 18.51 | 15.71 | 98.88 | -1,233.74 | 123.82 | 1,189.72 | 1,155.03 | 34.69 | 34.296 | | | | |
| 7,900.00 | 7,251.78 | 7,272.81 | 7,271.08 | 19.20 | 15.69 | 98.22 | -1,233.88 | 123.78 | 1,095.82 | 1,060.49 | 35.33 | 31.016 | | | | |
| 8,000.00 | 7,249.65 | 7,268.14 | 7,266.41 | 20.08 | 15.68 | 97.54 | -1,234.03 | 123.75 | 1,003.08 | 966.95 | 36.13 | 27.764 | | | | |
| 8,100.00 | 7,247.53 | 7,263.37 | 7,261.64 | 21.07 | 15.67 | 96.85 | -1,234.18 | 123.72 | 911.84 | 874.78 | 37.07 | 24.600 | | | | |
| 8,200.00 | 7,245.40 | 7,258.48 | 7,256.75 | 22.17 | 15.66 | 96.14 | -1,234.34 | 123.68 | 822.62 | 784.49 | 38.13 | 21.576 | | | | |
| 8,300.00 | 7,243.27 | 7,253.47 | 7,251.74 | 23.36 | 15.65 | 95.41 | -1,234.50 | 123.65 | 736.13 | 696.83 | 39.29 | 18.735 | | | | |
| 8,400.00 | 7,241.14 | 7,248.34 | 7,246.62 | 24.64 | 15.63 | 94.66 | -1,234.67 | 123.61 | 653.46 | 612.92 | 40.54 | 16.117 | | | | |
| 8,500.00 | 7,239.01 | 7,243.08 | 7,241.36 | 25.98 | 15.62 | 93.89 | -1,234.85 | 123.58 | 576.27 | 534.39 | 41.87 | 13.763 | | | | |
| 8,600.00 | 7,236.89 | 7,237.69 | 7,235.97 | 27.39 | 15.61 | 93.09 | -1,235.04 | 123.54 | 507.04 | 463.78 | 43.26 | 11.721 | | | | |
| 8,700.00 | 7,234.76 | 7,232.16 | 7,230.45 | 28.85 | 15.59 | 92.28 | -1,235.24 | 123.51 | 449.49 | 404.80 | 44.70 | 10.056 | | | | |
| 8,800.00 | 7,232.63 | 7,226.49 | 7,224.79 | 30.36 | 15.58 | 91.45 | -1,235.45 | 123.47 | 408.57 | 362.39 | 46.18 | 8.848 | | | | |
| 8,900.00 | 7,230.50 | 7,220.68 | 7,218.97 | 31.91 | 15.56 | 90.59 | -1,235.66 | 123.43 | 389.55 | 341.86 | 47.69 | 8.168 | | | | |
| 8,926.17 | 7,229.95 | 7,219.13 | 7,217.43 | 32.32 | 15.56 | 90.37 | -1,235.72 | 123.42 | 388.68 | 340.52 | 48.16 | 8.071 CC, ES | | | | |
| 9,000.00 | 7,228.38 | 7,214.71 | 7,213.01 | 33.49 | 15.55 | 89.72 | -1,235.89 | 123.39 | 395.60 | 346.38 | 49.23 | 8.036 SF | | | | |
| 9,100.00 | 7,226.25 | 7,208.58 | 7,206.88 | 35.11 | 15.53 | 88.81 | -1,236.13 | 123.35 | 425.65 | 374.87 | 50.78 | 8.382 | | | | |
| 9,200.00 | 7,224.12 | 7,202.28 | 7,200.60 | 36.75 | 15.52 | 87.89 | -1,236.38 | 123.32 | 475.17 | 422.82 | 52.35 | 9.077 | | | | |
| 9,300.00 | 7,221.99 | 7,196.25 | 7,194.56 | 38.41 | 15.50 | 87.00 | -1,236.62 | 123.28 | 538.80 | 484.87 | 53.93 | 9.991 | | | | |
| 9,400.00 | 7,219.86 | 7,190.57 | 7,188.89 | 40.10 | 15.49 | 86.17 | -1,236.84 | 123.25 | 612.18 | 556.65 | 55.53 | 11.023 | | | | |
| 9,500.00 | 7,217.74 | 7,185.07 | 7,183.40 | 41.80 | 15.48 | 85.37 | -1,237.05 | 123.21 | 692.21 | 635.06 | 57.15 | 12.112 | | | | |
| 9,600.00 | 7,215.61 | 7,179.75 | 7,178.07 | 43.53 | 15.46 | 84.59 | -1,237.25 | 123.18 | 776.84 | 718.06 | 58.78 | 13.216 | | | | |
| 9,700.00 | 7,213.48 | 7,174.58 | 7,172.91 | 45.26 | 15.45 | 83.84 | -1,237.43 | 123.16 | 864.72 | 804.31 | 60.42 | 14.313 | | | | |
| 9,800.00 | 7,211.35 | 7,169.57 | 7,167.91 | 47.01 | 15.44 | 83.11 | -1,237.61 | 123.13 | 954.96 | 892.90 | 62.06 | 15.388 | | | | |
| 9,900.00 | 7,209.22 | 7,164.72 | 7,163.06 | 48.77 | 15.43 | 82.41 | -1,237.78 | 123.10 | 1,046.95 | 983.24 | 63.71 | 16.434 | | | | |
| 10,000.00 | 7,207.10 | 7,160.00 | 7,158.34 | 50.54 | 15.41 | 81.73 | -1,237.94 | 123.08 | 1,140.27 | 1,074.91 | 65.36 | 17.446 | | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 ft | | | |
|--------------------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|-----------------|----------------------|-----------------------|-------------------------|--------------------|---------|--|--|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | Offset Well Error: | 0.00 ft | | | |
| Reference | | | | Offset | | | | Semi Major Axis | | | | Distance | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | | |
| 10,100.00 | 7,204.97 | 7,155.42 | 7,153.77 | 52.32 | 15.40 | 81.07 | -1,238.09 | 123.06 | 1,234.61 | 1,167.59 | 67.01 | 18.423 | | | | |
| 10,200.00 | 7,202.84 | 7,150.97 | 7,149.32 | 54.11 | 15.39 | 80.44 | -1,238.23 | 123.03 | 1,329.76 | 1,261.08 | 68.67 | 19.364 | | | | |
| 10,300.00 | 7,200.71 | 7,146.65 | 7,145.00 | 55.91 | 15.38 | 79.82 | -1,238.37 | 123.01 | 1,425.55 | 1,355.22 | 70.33 | 20.269 | | | | |
| 10,400.00 | 7,198.59 | 7,142.44 | 7,140.79 | 57.72 | 15.37 | 79.22 | -1,238.50 | 122.99 | 1,521.88 | 1,449.89 | 71.99 | 21.140 | | | | |
| 10,500.00 | 7,196.46 | 7,138.35 | 7,136.71 | 59.53 | 15.36 | 78.64 | -1,238.62 | 122.97 | 1,618.63 | 1,544.98 | 73.65 | 21.977 | | | | |
| 10,600.00 | 7,194.33 | 7,134.37 | 7,132.73 | 61.34 | 15.35 | 78.08 | -1,238.74 | 122.96 | 1,715.75 | 1,640.44 | 75.31 | 22.782 | | | | |
| 10,700.00 | 7,192.20 | 7,130.50 | 7,128.86 | 63.17 | 15.34 | 77.54 | -1,238.85 | 122.94 | 1,813.17 | 1,736.20 | 76.97 | 23.557 | | | | |
| 10,800.00 | 7,190.07 | 7,126.73 | 7,125.09 | 64.99 | 15.33 | 77.01 | -1,238.95 | 122.92 | 1,910.85 | 1,832.22 | 78.63 | 24.302 | | | | |
| 10,900.00 | 7,187.95 | 7,123.05 | 7,121.41 | 66.83 | 15.32 | 76.50 | -1,239.05 | 122.91 | 2,008.74 | 1,928.45 | 80.29 | 25.019 | | | | |
| 11,000.00 | 7,185.82 | 7,119.47 | 7,117.83 | 68.66 | 15.31 | 76.00 | -1,239.15 | 122.89 | 2,106.83 | 2,024.88 | 81.95 | 25.710 | | | | |
| 11,100.00 | 7,183.69 | 7,115.98 | 7,114.35 | 70.50 | 15.30 | 75.52 | -1,239.24 | 122.88 | 2,205.08 | 2,121.47 | 83.60 | 26.376 | | | | |
| 11,200.00 | 7,181.56 | 7,110.00 | 7,098.37 | 72.35 | 15.26 | 73.34 | -1,239.63 | 122.82 | 2,303.52 | 2,219.16 | 84.36 | 27.307 | | | | |
| 11,300.00 | 7,179.44 | 7,100.00 | 7,098.37 | 74.19 | 15.26 | 73.34 | -1,239.63 | 122.82 | 2,402.01 | 2,315.78 | 86.23 | 27.855 | | | | |
| 11,400.00 | 7,177.31 | 7,100.00 | 7,098.37 | 76.04 | 15.26 | 73.34 | -1,239.63 | 122.82 | 2,500.63 | 2,412.52 | 88.11 | 28.381 | | | | |
| 11,500.00 | 7,175.18 | 7,100.00 | 7,098.37 | 77.90 | 15.26 | 73.34 | -1,239.63 | 122.82 | 2,599.35 | 2,509.36 | 89.99 | 28.884 | | | | |
| 11,600.00 | 7,173.05 | 7,099.67 | 7,098.04 | 79.75 | 15.26 | 73.30 | -1,239.64 | 122.82 | 2,698.17 | 2,606.32 | 91.85 | 29.376 | | | | |
| 11,700.00 | 7,170.92 | 7,095.19 | 7,093.56 | 81.61 | 15.25 | 72.70 | -1,239.74 | 122.80 | 2,797.06 | 2,703.69 | 93.38 | 29.955 | | | | |
| 11,800.00 | 7,168.80 | 7,090.71 | 7,089.08 | 83.47 | 15.24 | 72.10 | -1,239.84 | 122.79 | 2,896.03 | 2,801.14 | 94.89 | 30.520 | | | | |
| 11,837.41 | 7,168.00 | 7,089.04 | 7,087.41 | 84.17 | 15.24 | 71.88 | -1,239.88 | 122.78 | 2,933.07 | 2,837.62 | 95.45 | 30.728 | | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|-----------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | | | Offset | | Semi Major Axis | | | Distance | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -97.96 | -141.33 | -1,010.33 | 1,020.47 | | | | | | |
| 100.00 | 100.00 | 110.30 | 110.27 | 0.08 | 0.14 | -97.87 | -139.58 | -1,009.97 | 1,020.18 | 1,019.95 | 0.22 | 4,563.087 | | | |
| 200.00 | 200.00 | 210.23 | 210.15 | 0.31 | 0.37 | -97.90 | -139.58 | -1,006.48 | 1,016.72 | 1,016.04 | 0.68 | 1,496.927 | | | |
| 300.00 | 300.00 | 310.17 | 310.03 | 0.53 | 0.61 | -97.92 | -139.58 | -1,002.99 | 1,013.26 | 1,012.13 | 1.13 | 892.865 | | | |
| 400.00 | 400.00 | 410.11 | 409.90 | 0.76 | 0.84 | -97.95 | -139.58 | -999.50 | 1,009.81 | 1,008.22 | 1.59 | 634.901 | | | |
| 500.00 | 500.00 | 510.05 | 509.78 | 0.98 | 1.08 | -97.98 | -139.58 | -996.02 | 1,006.35 | 1,004.30 | 2.05 | 491.827 | | | |
| 600.00 | 600.00 | 609.99 | 609.66 | 1.21 | 1.31 | -98.01 | -139.58 | -992.53 | 1,002.89 | 1,000.39 | 2.50 | 400.867 | | | |
| 700.00 | 700.00 | 709.93 | 709.54 | 1.43 | 1.54 | -98.03 | -139.58 | -989.04 | 999.44 | 996.48 | 2.96 | 337.935 | | | |
| 800.00 | 800.00 | 809.87 | 809.42 | 1.66 | 1.78 | -98.06 | -139.58 | -985.55 | 995.98 | 992.57 | 3.41 | 291.807 | | | |
| 900.00 | 900.00 | 909.81 | 909.29 | 1.88 | 2.01 | -98.09 | -139.58 | -982.07 | 992.53 | 988.66 | 3.87 | 256.543 | | | |
| 1,000.00 | 1,000.00 | 1,009.75 | 1,009.17 | 2.11 | 2.25 | -98.12 | -139.58 | -978.58 | 989.07 | 984.75 | 4.32 | 228.711 | | | |
| 1,100.00 | 1,100.00 | 1,109.69 | 1,109.05 | 2.33 | 2.48 | -98.15 | -139.58 | -975.09 | 985.62 | 980.84 | 4.78 | 206.186 | | | |
| 1,200.00 | 1,200.00 | 1,209.63 | 1,208.93 | 2.56 | 2.71 | -98.18 | -139.58 | -971.60 | 982.16 | 976.93 | 5.24 | 187.580 | | | |
| 1,300.00 | 1,300.00 | 1,309.56 | 1,308.81 | 2.78 | 2.95 | -98.20 | -139.58 | -968.11 | 978.71 | 973.02 | 5.69 | 171.954 | | | |
| 1,400.00 | 1,399.98 | 1,409.52 | 1,408.70 | 3.00 | 3.18 | -134.74 | -139.58 | -964.63 | 976.48 | 970.39 | 6.09 | 160.337 | | | |
| 1,440.36 | 1,440.31 | 1,449.86 | 1,449.01 | 3.09 | 3.28 | -134.83 | -139.58 | -963.22 | 976.28 | 970.01 | 6.27 | 155.747 | CC, ES | | |
| 1,500.00 | 1,499.84 | 1,509.42 | 1,508.55 | 3.23 | 3.41 | -134.99 | -139.58 | -961.14 | 976.72 | 970.19 | 6.53 | 149.544 | | | |
| 1,600.00 | 1,599.45 | 1,609.16 | 1,608.22 | 3.45 | 3.65 | -135.34 | -139.58 | -957.66 | 979.46 | 972.49 | 6.97 | 140.546 | | | |
| 1,700.00 | 1,698.70 | 1,708.60 | 1,707.60 | 3.69 | 3.88 | -135.79 | -139.58 | -954.19 | 984.75 | 977.34 | 7.41 | 132.928 | | | |
| 1,800.00 | 1,797.61 | 1,807.76 | 1,806.70 | 3.95 | 4.11 | -136.39 | -139.58 | -950.73 | 991.95 | 984.08 | 7.87 | 126.100 | | | |
| 1,900.00 | 1,896.51 | 1,906.90 | 1,905.78 | 4.22 | 4.34 | -137.01 | -139.58 | -947.27 | 999.36 | 991.02 | 8.34 | 119.886 | | | |
| 2,000.00 | 1,995.40 | 2,006.04 | 2,004.86 | 4.51 | 4.58 | -137.62 | -139.58 | -943.81 | 1,006.88 | 998.07 | 8.81 | 114.271 | | | |
| 2,100.00 | 2,094.30 | 2,105.18 | 2,103.94 | 4.80 | 4.81 | -138.22 | -139.58 | -940.35 | 1,014.52 | 1,005.23 | 9.29 | 109.191 | | | |
| 2,200.00 | 2,193.19 | 2,204.32 | 2,203.02 | 5.10 | 5.04 | -138.81 | -139.58 | -936.89 | 1,022.26 | 1,012.49 | 9.77 | 104.584 | | | |
| 2,300.00 | 2,292.09 | 2,303.47 | 2,302.10 | 5.41 | 5.27 | -139.39 | -139.58 | -933.43 | 1,030.12 | 1,019.86 | 10.26 | 100.396 | | | |
| 2,400.00 | 2,390.98 | 2,402.61 | 2,401.19 | 5.72 | 5.50 | -139.96 | -139.58 | -929.97 | 1,038.08 | 1,027.33 | 10.75 | 96.579 | | | |
| 2,500.00 | 2,489.88 | 2,501.75 | 2,500.27 | 6.04 | 5.74 | -140.53 | -139.58 | -926.51 | 1,046.14 | 1,034.90 | 11.24 | 93.091 | | | |
| 2,600.00 | 2,588.77 | 2,600.89 | 2,599.35 | 6.36 | 5.97 | -141.08 | -139.58 | -923.05 | 1,054.30 | 1,042.57 | 11.73 | 89.895 | | | |
| 2,700.00 | 2,687.67 | 2,700.03 | 2,698.43 | 6.68 | 6.20 | -141.63 | -139.58 | -919.59 | 1,062.56 | 1,050.34 | 12.22 | 86.959 | | | |
| 2,800.00 | 2,786.56 | 2,799.18 | 2,797.51 | 7.01 | 6.43 | -142.17 | -139.58 | -916.13 | 1,070.92 | 1,058.21 | 12.71 | 84.254 | | | |
| 2,900.00 | 2,885.46 | 2,898.32 | 2,896.59 | 7.34 | 6.66 | -142.70 | -139.58 | -912.67 | 1,079.37 | 1,066.17 | 13.20 | 81.758 | | | |
| 3,000.00 | 2,984.36 | 2,997.46 | 2,995.67 | 7.67 | 6.90 | -143.22 | -139.58 | -909.21 | 1,087.91 | 1,074.22 | 13.69 | 79.447 | | | |
| 3,100.00 | 3,083.25 | 3,096.60 | 3,094.76 | 8.00 | 7.13 | -143.74 | -139.58 | -905.75 | 1,096.54 | 1,082.36 | 14.18 | 77.303 | | | |
| 3,200.00 | 3,182.15 | 3,195.74 | 3,193.84 | 8.34 | 7.36 | -144.24 | -139.58 | -902.29 | 1,105.26 | 1,090.58 | 14.68 | 75.311 | | | |
| 3,300.00 | 3,281.04 | 3,294.89 | 3,292.92 | 8.67 | 7.59 | -144.74 | -139.59 | -898.83 | 1,114.06 | 1,098.90 | 15.17 | 73.455 | | | |
| 3,400.00 | 3,379.94 | 3,394.03 | 3,392.00 | 9.01 | 7.82 | -145.23 | -139.59 | -895.37 | 1,122.95 | 1,107.29 | 15.66 | 71.723 | | | |
| 3,500.00 | 3,478.83 | 3,493.17 | 3,491.08 | 9.35 | 8.06 | -145.72 | -139.59 | -891.91 | 1,131.92 | 1,115.77 | 16.15 | 70.103 | | | |
| 3,600.00 | 3,577.73 | 3,592.31 | 3,590.16 | 9.69 | 8.29 | -146.19 | -139.59 | -888.45 | 1,140.96 | 1,124.33 | 16.64 | 68.586 | | | |
| 3,700.00 | 3,676.62 | 3,691.45 | 3,689.24 | 10.03 | 8.52 | -146.66 | -139.59 | -884.99 | 1,150.09 | 1,132.96 | 17.12 | 67.162 | | | |
| 3,800.00 | 3,775.52 | 3,790.59 | 3,788.33 | 10.37 | 8.75 | -147.12 | -139.59 | -881.53 | 1,159.29 | 1,141.68 | 17.61 | 65.824 | | | |
| 3,900.00 | 3,874.41 | 3,889.74 | 3,887.41 | 10.72 | 8.98 | -147.57 | -139.59 | -878.07 | 1,168.56 | 1,150.46 | 18.10 | 64.564 | | | |
| 4,000.00 | 3,973.31 | 3,988.88 | 3,986.49 | 11.06 | 9.22 | -148.02 | -139.59 | -874.61 | 1,177.91 | 1,159.32 | 18.59 | 63.377 | | | |
| 4,100.00 | 4,072.20 | 4,088.02 | 4,085.57 | 11.40 | 9.45 | -148.46 | -139.59 | -871.15 | 1,187.32 | 1,168.25 | 19.07 | 62.255 | | | |
| 4,200.00 | 4,171.10 | 4,187.16 | 4,184.65 | 11.75 | 9.68 | -148.89 | -139.59 | -867.69 | 1,196.81 | 1,177.25 | 19.56 | 61.195 | | | |
| 4,300.00 | 4,269.99 | 4,286.30 | 4,283.73 | 12.09 | 9.91 | -149.32 | -139.59 | -864.23 | 1,206.36 | 1,186.32 | 20.04 | 60.192 | | | |
| 4,400.00 | 4,368.89 | 4,385.45 | 4,382.81 | 12.44 | 10.14 | -149.74 | -139.59 | -860.77 | 1,215.98 | 1,195.45 | 20.53 | 59.241 | | | |
| 4,500.00 | 4,467.78 | 4,484.59 | 4,481.90 | 12.78 | 10.38 | -150.15 | -139.59 | -857.31 | 1,225.66 | 1,204.65 | 21.01 | 58.339 | | | |
| 4,600.00 | 4,566.68 | 4,583.73 | 4,580.98 | 13.13 | 10.61 | -150.56 | -139.59 | -853.85 | 1,235.40 | 1,213.91 | 21.49 | 57.482 | | | |
| 4,700.00 | 4,665.57 | 4,682.87 | 4,680.06 | 13.48 | 10.84 | -150.96 | -139.59 | -850.39 | 1,245.21 | 1,223.23 | 21.97 | 56.667 | | | |
| 4,800.00 | 4,764.47 | 4,782.01 | 4,779.14 | 13.82 | 11.07 | -151.35 | -139.59 | -846.93 | 1,255.07 | 1,232.62 | 22.46 | 55.891 | | | |
| 4,900.00 | 4,863.36 | 4,881.16 | 4,878.22 | 14.17 | 11.30 | -151.74 | -139.59 | -843.47 | 1,264.99 | 1,242.06 | 22.94 | 55.152 | | | |
| 5,000.00 | 4,962.26 | 4,980.30 | 4,977.30 | 14.52 | 11.53 | -152.12 | -139.59 | -840.01 | 1,274.97 | 1,251.56 | 23.42 | 54.446 | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|-----------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|--------------------|---------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | | | Offset | | Semi Major Axis | | | Distance | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 5,100.00 | 5,061.15 | 5,079.44 | 5,076.39 | 14.87 | 11.77 | -152.49 | -139.59 | -836.55 | 1,285.01 | 1,261.11 | 23.90 | 53.773 | | |
| 5,200.00 | 5,160.05 | 5,178.58 | 5,175.47 | 15.21 | 12.00 | -152.86 | -139.59 | -833.09 | 1,295.10 | 1,270.72 | 24.38 | 53.129 | | |
| 5,300.00 | 5,258.94 | 5,277.72 | 5,274.55 | 15.56 | 12.23 | -153.23 | -139.59 | -829.63 | 1,305.24 | 1,280.39 | 24.86 | 52.514 | | |
| 5,400.00 | 5,357.84 | 5,376.86 | 5,373.63 | 15.91 | 12.46 | -153.59 | -139.59 | -826.17 | 1,315.43 | 1,290.10 | 25.33 | 51.925 | | |
| 5,500.00 | 5,456.73 | 5,476.01 | 5,472.71 | 16.26 | 12.69 | -153.94 | -139.59 | -822.71 | 1,325.68 | 1,299.87 | 25.81 | 51.360 | | |
| 5,600.00 | 5,555.63 | 5,575.15 | 5,571.79 | 16.61 | 12.93 | -154.29 | -139.59 | -819.25 | 1,335.97 | 1,309.68 | 26.29 | 50.819 | | |
| 5,700.00 | 5,654.52 | 5,674.29 | 5,670.87 | 16.96 | 13.16 | -154.63 | -139.59 | -815.79 | 1,346.31 | 1,319.55 | 26.77 | 50.300 | | |
| 5,800.00 | 5,753.42 | 5,773.43 | 5,769.96 | 17.31 | 13.39 | -154.97 | -139.59 | -812.33 | 1,356.70 | 1,329.46 | 27.24 | 49.802 | | |
| 5,900.00 | 5,852.31 | 5,872.57 | 5,869.04 | 17.66 | 13.62 | -155.30 | -139.59 | -808.87 | 1,367.14 | 1,339.42 | 27.72 | 49.323 | | |
| 6,000.00 | 5,951.21 | 5,971.72 | 5,968.12 | 18.01 | 13.85 | -155.63 | -139.59 | -805.41 | 1,377.62 | 1,349.42 | 28.19 | 48.862 | | |
| 6,100.00 | 6,050.10 | 6,070.86 | 6,067.20 | 18.36 | 14.09 | -155.95 | -139.59 | -801.95 | 1,388.14 | 1,359.47 | 28.67 | 48.419 | | |
| 6,200.00 | 6,149.00 | 6,170.00 | 6,166.28 | 18.71 | 14.32 | -156.27 | -139.59 | -798.49 | 1,398.71 | 1,369.57 | 29.14 | 47.993 | | |
| 6,300.00 | 6,247.89 | 6,269.14 | 6,265.36 | 19.06 | 14.55 | -156.58 | -139.59 | -795.03 | 1,409.32 | 1,379.70 | 29.62 | 47.582 | | |
| 6,400.00 | 6,346.79 | 6,368.28 | 6,364.44 | 19.41 | 14.78 | -156.89 | -139.59 | -791.57 | 1,419.97 | 1,389.88 | 30.09 | 47.186 | | |
| 6,500.00 | 6,445.68 | 6,467.43 | 6,463.53 | 19.76 | 15.01 | -157.19 | -139.59 | -788.11 | 1,430.66 | 1,400.09 | 30.57 | 46.804 | | |
| 6,600.00 | 6,544.58 | 6,566.57 | 6,562.61 | 20.11 | 15.25 | -157.49 | -139.59 | -784.65 | 1,441.39 | 1,410.35 | 31.04 | 46.435 | | |
| 6,700.00 | 6,643.53 | 6,665.77 | 6,661.75 | 20.44 | 15.48 | -171.05 | -139.59 | -781.18 | 1,451.87 | 1,420.34 | 31.53 | 46.041 | | |
| 6,800.00 | 6,743.00 | 6,765.49 | 6,761.41 | 20.62 | 15.71 | 100.61 | -139.59 | -777.70 | 1,455.86 | 1,423.94 | 31.92 | 45.610 | | |
| 6,900.00 | 6,840.75 | 6,863.48 | 6,859.34 | 20.64 | 15.94 | 78.04 | -139.59 | -774.28 | 1,450.91 | 1,418.81 | 32.09 | 45.210 | | |
| 7,000.00 | 6,933.82 | 6,956.78 | 6,952.58 | 20.54 | 16.16 | 73.82 | -139.59 | -771.03 | 1,437.73 | 1,405.57 | 32.16 | 44.701 | | |
| 7,100.00 | 7,019.36 | 7,042.54 | 7,038.29 | 20.31 | 16.36 | 74.41 | -139.59 | -768.04 | 1,417.71 | 1,385.42 | 32.29 | 43.902 | | |
| 7,200.00 | 7,094.79 | 7,118.17 | 7,113.87 | 20.01 | 16.54 | 77.19 | -139.59 | -765.40 | 1,392.78 | 1,360.20 | 32.58 | 42.750 | | |
| 7,300.00 | 7,157.81 | 7,181.35 | 7,177.01 | 19.66 | 16.68 | 81.02 | -139.59 | -763.19 | 1,365.32 | 1,332.33 | 32.98 | 41.395 | | |
| 7,400.00 | 7,206.51 | 7,230.17 | 7,225.81 | 19.29 | 16.80 | 85.07 | -139.59 | -761.49 | 1,337.91 | 1,304.54 | 33.37 | 40.093 | | |
| 7,500.00 | 7,239.40 | 7,263.16 | 7,258.77 | 18.94 | 16.88 | 88.65 | -139.59 | -760.34 | 1,313.07 | 1,279.42 | 33.65 | 39.018 | | |
| 7,600.00 | 7,255.49 | 7,279.29 | 7,274.90 | 18.63 | 16.91 | 91.25 | -139.59 | -759.77 | 1,292.99 | 1,259.12 | 33.87 | 38.176 | | |
| 7,700.00 | 7,256.04 | 7,279.84 | 7,275.45 | 18.39 | 16.92 | 92.12 | -139.59 | -759.75 | 1,279.22 | 1,245.10 | 34.12 | 37.488 | | |
| 7,800.00 | 7,253.91 | 7,277.72 | 7,273.33 | 18.51 | 16.91 | 92.03 | -139.59 | -759.83 | 1,273.04 | 1,238.42 | 34.62 | 36.767 | | |
| 7,828.89 | 7,253.29 | 7,277.10 | 7,272.71 | 18.67 | 16.91 | 92.00 | -139.59 | -759.85 | 1,272.72 | 1,237.83 | 34.89 | 36.483 | | |
| 7,900.00 | 7,251.78 | 7,275.59 | 7,271.20 | 19.20 | 16.91 | 91.93 | -139.59 | -759.90 | 1,274.70 | 1,239.39 | 35.31 | 36.099 | | |
| 8,000.00 | 7,249.65 | 7,273.47 | 7,269.08 | 20.08 | 16.90 | 91.84 | -139.59 | -759.98 | 1,284.16 | 1,247.99 | 36.17 | 35.508 | | |
| 8,100.00 | 7,247.53 | 7,271.34 | 7,266.95 | 21.07 | 16.90 | 91.74 | -139.59 | -760.05 | 1,301.26 | 1,264.09 | 37.17 | 35.009 | | |
| 8,200.00 | 7,245.40 | 7,269.21 | 7,264.82 | 22.17 | 16.89 | 91.65 | -139.59 | -760.12 | 1,325.69 | 1,287.39 | 38.30 | 34.611 | | |
| 8,300.00 | 7,243.27 | 7,267.09 | 7,262.70 | 23.36 | 16.89 | 91.55 | -139.59 | -760.20 | 1,357.07 | 1,317.52 | 39.55 | 34.314 | | |
| 8,400.00 | 7,241.14 | 7,264.96 | 7,260.57 | 24.64 | 16.88 | 91.45 | -139.59 | -760.27 | 1,394.93 | 1,354.04 | 40.89 | 34.114 | | |
| 8,500.00 | 7,239.01 | 7,262.83 | 7,258.45 | 25.98 | 16.88 | 91.36 | -139.59 | -760.35 | 1,438.74 | 1,396.43 | 42.31 | 34.002 | | |
| 8,600.00 | 7,236.89 | 7,260.71 | 7,256.32 | 27.39 | 16.87 | 91.26 | -139.59 | -760.42 | 1,488.00 | 1,444.19 | 43.81 | 33.968 SF | | |
| 8,700.00 | 7,234.76 | 7,258.58 | 7,254.20 | 28.85 | 16.87 | 91.17 | -139.59 | -760.50 | 1,542.17 | 1,496.81 | 45.36 | 34.001 | | |
| 8,800.00 | 7,232.63 | 7,256.45 | 7,252.07 | 30.36 | 16.86 | 91.07 | -139.59 | -760.57 | 1,600.76 | 1,553.80 | 46.96 | 34.089 | | |
| 8,900.00 | 7,230.50 | 7,254.33 | 7,249.95 | 31.91 | 16.86 | 90.98 | -139.59 | -760.64 | 1,663.30 | 1,614.70 | 48.60 | 34.223 | | |
| 9,000.00 | 7,228.38 | 7,252.20 | 7,247.82 | 33.49 | 16.85 | 90.88 | -139.59 | -760.72 | 1,729.36 | 1,679.08 | 50.28 | 34.393 | | |
| 9,100.00 | 7,226.25 | 7,250.08 | 7,245.70 | 35.11 | 16.85 | 90.78 | -139.59 | -760.79 | 1,798.55 | 1,746.56 | 51.99 | 34.591 | | |
| 9,200.00 | 7,224.12 | 7,247.95 | 7,243.57 | 36.75 | 16.84 | 90.69 | -139.59 | -760.87 | 1,870.53 | 1,816.80 | 53.73 | 34.811 | | |
| 9,300.00 | 7,221.99 | 7,245.82 | 7,241.45 | 38.41 | 16.84 | 90.59 | -139.59 | -760.94 | 1,944.99 | 1,889.49 | 55.50 | 35.047 | | |
| 9,400.00 | 7,219.86 | 7,243.70 | 7,239.32 | 40.10 | 16.83 | 90.50 | -139.59 | -761.02 | 2,021.65 | 1,964.37 | 57.28 | 35.294 | | |
| 9,500.00 | 7,217.74 | 7,241.57 | 7,237.20 | 41.80 | 16.83 | 90.40 | -139.59 | -761.09 | 2,100.27 | 2,041.19 | 59.08 | 35.548 | | |
| 9,600.00 | 7,215.61 | 7,239.44 | 7,235.07 | 43.53 | 16.82 | 90.31 | -139.59 | -761.16 | 2,180.64 | 2,119.74 | 60.90 | 35.807 | | |
| 9,700.00 | 7,213.48 | 7,237.32 | 7,232.95 | 45.26 | 16.82 | 90.21 | -139.59 | -761.24 | 2,262.58 | 2,199.85 | 62.73 | 36.067 | | |
| 9,800.00 | 7,211.35 | 7,235.19 | 7,230.82 | 47.01 | 16.81 | 90.11 | -139.59 | -761.31 | 2,345.91 | 2,281.34 | 64.58 | 36.328 | | |
| 9,900.00 | 7,209.22 | 7,233.06 | 7,228.70 | 48.77 | 16.81 | 90.02 | -139.59 | -761.39 | 2,430.50 | 2,364.07 | 66.43 | 36.587 | | |
| 10,000.00 | 7,207.10 | 7,230.94 | 7,226.57 | 50.54 | 16.80 | 89.92 | -139.59 | -761.46 | 2,516.22 | 2,447.93 | 68.30 | 36.843 | | |
| 10,100.00 | 7,204.97 | 7,228.81 | 7,224.45 | 52.32 | 16.80 | 89.83 | -139.59 | -761.53 | 2,602.96 | 2,532.79 | 70.17 | 37.095 | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 ft | | |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|------------------------|------------|----------------------|-----------------------|-------------------------|---|---------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | WELD_CAMP 5 PAD - HSR-THOMPSON 2-26 offset - HSR-THOMPSON 2-26 - HSR-THOMPSON 2-2 | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre | | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | |
| | | | | | | | +N/-S (ft) | +E/-W (ft) | | | | | | | |
| 10,200.00 | 7,202.84 | 7,226.69 | 7,222.32 | 54.11 | 16.79 | 89.73 | -139.59 | -761.61 | 2,690.62 | 2,618.57 | 72.05 | 37.343 | | | |
| 10,300.00 | 7,200.71 | 7,224.56 | 7,220.20 | 55.91 | 16.79 | 89.64 | -139.59 | -761.68 | 2,779.10 | 2,705.16 | 73.94 | 37.586 | | | |
| 10,400.00 | 7,198.59 | 7,222.43 | 7,218.07 | 57.72 | 16.78 | 89.54 | -139.59 | -761.76 | 2,868.35 | 2,792.51 | 75.83 | 37.824 | | | |
| 10,500.00 | 7,196.46 | 7,220.31 | 7,215.95 | 59.53 | 16.78 | 89.45 | -139.59 | -761.83 | 2,958.28 | 2,880.54 | 77.73 | 38.056 | | | |
| 10,600.00 | 7,194.33 | 7,218.18 | 7,213.82 | 61.34 | 16.77 | 89.35 | -139.59 | -761.91 | 3,048.83 | 2,969.19 | 79.64 | 38.282 | | | |
| 10,700.00 | 7,192.20 | 7,216.05 | 7,211.70 | 63.17 | 16.77 | 89.25 | -139.59 | -761.98 | 3,139.96 | 3,058.41 | 81.55 | 38.503 | | | |
| 10,800.00 | 7,190.07 | 7,213.93 | 7,209.57 | 64.99 | 16.76 | 89.16 | -139.59 | -762.05 | 3,231.61 | 3,148.14 | 83.47 | 38.718 | | | |
| 10,900.00 | 7,187.95 | 7,211.80 | 7,207.45 | 66.83 | 16.76 | 89.06 | -139.59 | -762.13 | 3,323.74 | 3,238.35 | 85.38 | 38.927 | | | |
| 11,000.00 | 7,185.82 | 7,209.67 | 7,205.32 | 68.66 | 16.75 | 88.97 | -139.59 | -762.20 | 3,416.31 | 3,329.00 | 87.31 | 39.130 | | | |
| 11,100.00 | 7,183.69 | 7,207.55 | 7,203.20 | 70.50 | 16.75 | 88.87 | -139.59 | -762.28 | 3,509.29 | 3,420.06 | 89.23 | 39.328 | | | |
| 11,200.00 | 7,181.56 | 7,205.42 | 7,201.07 | 72.35 | 16.74 | 88.78 | -139.59 | -762.35 | 3,602.64 | 3,511.48 | 91.16 | 39.520 | | | |
| 11,300.00 | 7,179.44 | 7,203.29 | 7,198.95 | 74.19 | 16.74 | 88.68 | -139.59 | -762.43 | 3,696.34 | 3,603.25 | 93.09 | 39.707 | | | |
| 11,400.00 | 7,177.31 | 7,201.17 | 7,196.82 | 76.04 | 16.73 | 88.59 | -139.59 | -762.50 | 3,790.36 | 3,695.34 | 95.02 | 39.888 | | | |
| 11,500.00 | 7,175.18 | 7,199.04 | 7,194.70 | 77.90 | 16.73 | 88.49 | -139.59 | -762.57 | 3,884.68 | 3,787.72 | 96.96 | 40.065 | | | |
| 11,600.00 | 7,173.05 | 7,196.92 | 7,192.57 | 79.75 | 16.72 | 88.40 | -139.59 | -762.65 | 3,979.27 | 3,880.38 | 98.90 | 40.236 | | | |
| 11,700.00 | 7,170.92 | 7,194.79 | 7,190.45 | 81.61 | 16.72 | 88.30 | -139.59 | -762.72 | 4,074.13 | 3,973.29 | 100.84 | 40.403 | | | |
| 11,800.00 | 7,168.80 | 7,192.66 | 7,188.32 | 83.47 | 16.71 | 88.21 | -139.59 | -762.80 | 4,169.22 | 4,066.44 | 102.78 | 40.565 | | | |
| 11,837.41 | 7,168.00 | 7,191.87 | 7,187.53 | 84.17 | 16.71 | 88.17 | -139.59 | -762.82 | 4,204.85 | 4,101.35 | 103.50 | 40.625 | | | |

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

Anadarko Petroleum Corp Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|-----------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Reference | | | | Offset | | Semi Major Axis | | | Distance | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -136.91 | -3,627.32 | -3,393.47 | 4,967.55 | | | | | |
| 100.00 | 100.00 | 167.60 | 167.54 | 0.08 | 0.27 | -136.88 | -3,623.22 | -3,393.47 | 4,965.82 | 4,965.47 | 0.35 | N/A | | |
| 200.00 | 200.00 | 267.54 | 267.42 | 0.31 | 0.50 | -136.85 | -3,619.73 | -3,393.47 | 4,963.27 | 4,962.47 | 0.80 | 6,193.214 | | |
| 300.00 | 300.00 | 367.48 | 367.30 | 0.53 | 0.74 | -136.82 | -3,616.24 | -3,393.47 | 4,960.72 | 4,959.47 | 1.25 | 3,960.651 | | |
| 400.00 | 400.00 | 467.42 | 467.18 | 0.76 | 0.97 | -136.79 | -3,612.75 | -3,393.46 | 4,958.18 | 4,956.47 | 1.70 | 2,910.252 | | |
| 500.00 | 500.00 | 567.36 | 567.05 | 0.98 | 1.20 | -136.77 | -3,609.27 | -3,393.46 | 4,955.63 | 4,953.48 | 2.15 | 2,299.620 | | |
| 600.00 | 600.00 | 667.30 | 666.93 | 1.21 | 1.43 | -136.74 | -3,605.78 | -3,393.46 | 4,953.09 | 4,950.48 | 2.61 | 1,900.386 | | |
| 700.00 | 700.00 | 767.24 | 766.81 | 1.43 | 1.66 | -136.71 | -3,602.29 | -3,393.46 | 4,950.55 | 4,947.49 | 3.06 | 1,618.972 | | |
| 800.00 | 800.00 | 867.18 | 866.69 | 1.66 | 1.89 | -136.68 | -3,598.80 | -3,393.46 | 4,948.01 | 4,944.50 | 3.51 | 1,409.928 | | |
| 900.00 | 900.00 | 967.12 | 966.57 | 1.88 | 2.13 | -136.65 | -3,595.31 | -3,393.46 | 4,945.47 | 4,941.51 | 3.96 | 1,248.519 | | |
| 1,000.00 | 1,000.00 | 1,067.06 | 1,066.45 | 2.11 | 2.36 | -136.63 | -3,591.83 | -3,393.46 | 4,942.93 | 4,938.52 | 4.41 | 1,120.128 | | |
| 1,100.00 | 1,100.00 | 1,166.99 | 1,166.32 | 2.33 | 2.59 | -136.60 | -3,588.34 | -3,393.46 | 4,940.39 | 4,935.53 | 4.86 | 1,015.565 | | |
| 1,200.00 | 1,200.00 | 1,266.93 | 1,266.20 | 2.56 | 2.82 | -136.57 | -3,584.85 | -3,393.46 | 4,937.85 | 4,932.54 | 5.32 | 928.758 | | |
| 1,300.00 | 1,300.00 | 1,366.87 | 1,366.08 | 2.78 | 3.05 | -136.54 | -3,581.36 | -3,393.46 | 4,935.32 | 4,929.55 | 5.77 | 855.540 | | |
| 1,373.14 | 1,373.14 | 1,439.99 | 1,439.15 | 2.94 | 3.22 | -172.93 | -3,578.81 | -3,393.46 | 4,934.39 | 4,928.26 | 6.13 | 804.791 | | |
| 1,400.00 | 1,399.98 | 1,466.84 | 1,465.99 | 3.00 | 3.28 | -172.92 | -3,577.87 | -3,393.46 | 4,934.52 | 4,928.27 | 6.25 | 789.402 | | |
| 1,500.00 | 1,499.84 | 1,566.78 | 1,565.87 | 3.23 | 3.52 | -172.90 | -3,574.39 | -3,393.46 | 4,937.18 | 4,930.49 | 6.69 | 738.204 | | |
| 1,600.00 | 1,599.45 | 1,666.58 | 1,665.61 | 3.45 | 3.75 | -172.87 | -3,570.90 | -3,393.46 | 4,943.30 | 4,936.18 | 7.12 | 694.337 | | |
| 1,700.00 | 1,698.70 | 1,766.11 | 1,765.08 | 3.69 | 3.98 | -172.83 | -3,567.43 | -3,393.46 | 4,952.88 | 4,945.33 | 7.54 | 656.504 | | |
| 1,800.00 | 1,797.61 | 1,865.38 | 1,864.28 | 3.95 | 4.21 | -172.82 | -3,563.97 | -3,393.46 | 4,964.96 | 4,956.97 | 7.99 | 621.578 | | |
| 1,900.00 | 1,896.51 | 1,964.63 | 1,963.47 | 4.22 | 4.44 | -172.81 | -3,560.50 | -3,393.46 | 4,977.16 | 4,968.72 | 8.44 | 589.587 | | |
| 2,000.00 | 1,995.40 | 2,063.88 | 2,062.67 | 4.51 | 4.67 | -172.81 | -3,557.04 | -3,393.46 | 4,989.37 | 4,980.47 | 8.90 | 560.713 | | |
| 2,100.00 | 2,094.30 | 2,163.13 | 2,161.86 | 4.80 | 4.90 | -172.80 | -3,553.57 | -3,393.46 | 5,001.57 | 4,992.21 | 9.36 | 534.543 | | |
| 2,200.00 | 2,193.19 | 2,262.38 | 2,261.05 | 5.10 | 5.13 | -172.79 | -3,550.11 | -3,393.46 | 5,013.77 | 5,003.95 | 9.82 | 510.728 | | |
| 2,300.00 | 2,292.09 | 2,361.64 | 2,360.24 | 5.41 | 5.36 | -172.79 | -3,546.65 | -3,393.46 | 5,025.97 | 5,015.69 | 10.28 | 488.975 | | |
| 2,400.00 | 2,390.98 | 2,460.89 | 2,459.43 | 5.72 | 5.59 | -172.78 | -3,543.18 | -3,393.46 | 5,038.17 | 5,027.43 | 10.74 | 469.037 | | |
| 2,500.00 | 2,489.88 | 2,560.14 | 2,558.62 | 6.04 | 5.82 | -172.77 | -3,539.72 | -3,393.45 | 5,050.38 | 5,039.17 | 11.21 | 450.702 | | |
| 2,600.00 | 2,588.77 | 2,659.39 | 2,657.81 | 6.36 | 6.05 | -172.77 | -3,536.25 | -3,393.45 | 5,062.58 | 5,050.91 | 11.67 | 433.789 | | |
| 2,700.00 | 2,687.67 | 2,758.64 | 2,757.00 | 6.68 | 6.28 | -172.76 | -3,532.79 | -3,393.45 | 5,074.78 | 5,062.65 | 12.14 | 418.142 | | |
| 2,800.00 | 2,786.56 | 2,857.89 | 2,856.19 | 7.01 | 6.51 | -172.76 | -3,529.33 | -3,393.45 | 5,086.98 | 5,074.38 | 12.60 | 403.628 | | |
| 2,900.00 | 2,885.46 | 2,957.14 | 2,955.38 | 7.34 | 6.74 | -172.75 | -3,525.86 | -3,393.45 | 5,099.19 | 5,086.12 | 13.07 | 390.130 | | |
| 3,000.00 | 2,984.36 | 3,056.40 | 3,054.57 | 7.67 | 6.97 | -172.74 | -3,522.40 | -3,393.45 | 5,111.39 | 5,097.85 | 13.54 | 377.547 | | |
| 3,100.00 | 3,083.25 | 3,155.65 | 3,153.76 | 8.00 | 7.20 | -172.74 | -3,518.94 | -3,393.45 | 5,123.59 | 5,109.59 | 14.01 | 365.791 | | |
| 3,200.00 | 3,182.15 | 3,254.90 | 3,252.96 | 8.34 | 7.43 | -172.73 | -3,515.47 | -3,393.45 | 5,135.79 | 5,121.32 | 14.48 | 354.783 | | |
| 3,300.00 | 3,281.04 | 3,354.15 | 3,352.15 | 8.67 | 7.66 | -172.73 | -3,512.01 | -3,393.45 | 5,148.00 | 5,133.05 | 14.95 | 344.457 | | |
| 3,400.00 | 3,379.94 | 3,453.40 | 3,451.34 | 9.01 | 7.89 | -172.72 | -3,508.54 | -3,393.45 | 5,160.20 | 5,144.79 | 15.42 | 334.751 | | |
| 3,500.00 | 3,478.83 | 3,552.65 | 3,550.53 | 9.35 | 8.12 | -172.71 | -3,505.08 | -3,393.45 | 5,172.40 | 5,156.52 | 15.89 | 325.611 | | |
| 3,600.00 | 3,577.73 | 3,651.90 | 3,649.72 | 9.69 | 8.35 | -172.71 | -3,501.62 | -3,393.45 | 5,184.61 | 5,168.25 | 16.36 | 316.991 | | |
| 3,700.00 | 3,676.62 | 3,751.15 | 3,748.91 | 10.03 | 8.58 | -172.70 | -3,498.15 | -3,393.45 | 5,196.81 | 5,179.98 | 16.83 | 308.847 | | |
| 3,800.00 | 3,775.52 | 3,850.41 | 3,848.10 | 10.37 | 8.81 | -172.70 | -3,494.69 | -3,393.45 | 5,209.01 | 5,191.71 | 17.30 | 301.141 | | |
| 3,900.00 | 3,874.41 | 3,949.66 | 3,947.29 | 10.72 | 9.04 | -172.69 | -3,491.23 | -3,393.45 | 5,221.21 | 5,203.45 | 17.77 | 293.840 | | |
| 4,000.00 | 3,973.31 | 4,048.91 | 4,046.48 | 11.06 | 9.27 | -172.69 | -3,487.76 | -3,393.45 | 5,233.42 | 5,215.18 | 18.24 | 286.913 | | |
| 4,100.00 | 4,072.20 | 4,148.16 | 4,145.67 | 11.40 | 9.50 | -172.68 | -3,484.30 | -3,393.45 | 5,245.62 | 5,226.91 | 18.71 | 280.331 | | |
| 4,200.00 | 4,171.10 | 4,247.41 | 4,244.86 | 11.75 | 9.73 | -172.67 | -3,480.83 | -3,393.45 | 5,257.82 | 5,238.64 | 19.18 | 274.070 | | |
| 4,300.00 | 4,269.99 | 4,346.66 | 4,344.05 | 12.09 | 9.96 | -172.67 | -3,477.37 | -3,393.45 | 5,270.03 | 5,250.37 | 19.66 | 268.108 | | |
| 4,400.00 | 4,368.89 | 4,445.91 | 4,443.25 | 12.44 | 10.19 | -172.66 | -3,473.91 | -3,393.45 | 5,282.23 | 5,262.10 | 20.13 | 262.423 | | |
| 4,500.00 | 4,467.78 | 4,545.16 | 4,542.44 | 12.78 | 10.42 | -172.66 | -3,470.44 | -3,393.45 | 5,294.43 | 5,273.83 | 20.60 | 256.996 | | |
| 4,600.00 | 4,566.68 | 4,644.42 | 4,641.63 | 13.13 | 10.65 | -172.65 | -3,466.98 | -3,393.44 | 5,306.64 | 5,285.56 | 21.07 | 251.811 | | |
| 4,700.00 | 4,665.57 | 4,743.67 | 4,740.82 | 13.48 | 10.88 | -172.65 | -3,463.51 | -3,393.44 | 5,318.84 | 5,297.29 | 21.55 | 246.852 | | |
| 4,800.00 | 4,764.47 | 4,842.92 | 4,840.01 | 13.82 | 11.11 | -172.64 | -3,460.05 | -3,393.44 | 5,331.04 | 5,309.03 | 22.02 | 242.105 | | |
| 4,900.00 | 4,863.36 | 4,942.17 | 4,939.20 | 14.17 | 11.34 | -172.64 | -3,456.59 | -3,393.44 | 5,343.25 | 5,320.76 | 22.49 | 237.556 | | |
| 5,000.00 | 4,962.26 | 5,041.42 | 5,038.39 | 14.52 | 11.57 | -172.63 | -3,453.12 | -3,393.44 | 5,355.45 | 5,332.49 | 22.97 | 233.193 | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|-----------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | | | Offset | | Semi Major Axis | | | Distance | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | |
| 5,100.00 | 5,061.15 | 5,140.67 | 5,137.58 | 14.87 | 11.80 | -172.62 | -3,449.66 | -3,393.44 | 5,367.66 | 5,344.22 | 23.44 | 229.005 | | | |
| 5,200.00 | 5,160.05 | 5,239.92 | 5,236.77 | 15.21 | 12.03 | -172.62 | -3,446.20 | -3,393.44 | 5,379.86 | 5,355.95 | 23.91 | 224.982 | | | |
| 5,300.00 | 5,258.94 | 5,339.17 | 5,335.96 | 15.56 | 12.26 | -172.61 | -3,442.73 | -3,393.44 | 5,392.06 | 5,367.68 | 24.39 | 221.114 | | | |
| 5,400.00 | 5,357.84 | 5,438.43 | 5,435.15 | 15.91 | 12.49 | -172.61 | -3,439.27 | -3,393.44 | 5,404.27 | 5,379.41 | 24.86 | 217.393 | | | |
| 5,500.00 | 5,456.73 | 5,537.68 | 5,534.34 | 16.26 | 12.72 | -172.60 | -3,435.80 | -3,393.44 | 5,416.47 | 5,391.14 | 25.33 | 213.810 | | | |
| 5,600.00 | 5,555.63 | 5,636.93 | 5,633.53 | 16.61 | 12.95 | -172.60 | -3,432.34 | -3,393.44 | 5,428.67 | 5,402.87 | 25.81 | 210.358 | | | |
| 5,700.00 | 5,654.52 | 5,736.18 | 5,732.73 | 16.96 | 13.18 | -172.59 | -3,428.88 | -3,393.44 | 5,440.88 | 5,414.60 | 26.28 | 207.030 | | | |
| 5,800.00 | 5,753.42 | 5,835.43 | 5,831.92 | 17.31 | 13.41 | -172.59 | -3,425.41 | -3,393.44 | 5,453.08 | 5,426.33 | 26.75 | 203.820 | | | |
| 5,900.00 | 5,852.31 | 5,934.68 | 5,931.11 | 17.66 | 13.64 | -172.58 | -3,421.95 | -3,393.44 | 5,465.29 | 5,438.06 | 27.23 | 200.720 | | | |
| 6,000.00 | 5,951.21 | 6,033.93 | 6,030.30 | 18.01 | 13.87 | -172.58 | -3,418.48 | -3,393.44 | 5,477.49 | 5,449.79 | 27.70 | 197.726 | | | |
| 6,100.00 | 6,050.10 | 6,133.18 | 6,129.49 | 18.36 | 14.10 | -172.57 | -3,415.02 | -3,393.44 | 5,489.69 | 5,461.52 | 28.18 | 194.832 | | | |
| 6,200.00 | 6,149.00 | 6,232.44 | 6,228.68 | 18.71 | 14.33 | -172.57 | -3,411.56 | -3,393.44 | 5,501.90 | 5,473.25 | 28.65 | 192.034 | | | |
| 6,300.00 | 6,247.89 | 6,331.69 | 6,327.87 | 19.06 | 14.56 | -172.56 | -3,408.09 | -3,393.44 | 5,514.10 | 5,484.98 | 29.12 | 189.327 | | | |
| 6,400.00 | 6,346.79 | 6,430.94 | 6,427.06 | 19.41 | 14.79 | -172.56 | -3,404.63 | -3,393.44 | 5,526.31 | 5,496.71 | 29.60 | 186.705 | | | |
| 6,500.00 | 6,445.68 | 6,530.19 | 6,526.25 | 19.76 | 15.02 | -172.55 | -3,401.17 | -3,393.44 | 5,538.51 | 5,508.44 | 30.07 | 184.167 | | | |
| 6,600.00 | 6,544.58 | 6,629.44 | 6,625.44 | 20.11 | 15.25 | -172.55 | -3,397.70 | -3,393.44 | 5,550.72 | 5,520.17 | 30.55 | 181.706 | | | |
| 6,700.00 | 6,643.53 | 6,728.73 | 6,724.67 | 20.44 | 15.48 | 174.20 | -3,394.24 | -3,393.43 | 5,562.52 | 5,531.46 | 31.07 | 179.057 | | | |
| 6,800.00 | 6,743.00 | 6,828.10 | 6,823.98 | 20.62 | 15.71 | 85.95 | -3,390.77 | -3,393.43 | 5,565.31 | 5,533.91 | 31.39 | 177.275 | | | |
| 6,900.00 | 6,840.75 | 6,925.15 | 6,920.97 | 20.64 | 15.94 | 63.14 | -3,387.38 | -3,393.43 | 5,555.62 | 5,524.34 | 31.28 | 177.587 | | | |
| 7,000.00 | 6,933.82 | 7,016.92 | 7,012.69 | 20.54 | 16.15 | 58.44 | -3,384.18 | -3,393.43 | 5,533.90 | 5,503.01 | 30.89 | 179.130 | | | |
| 7,100.00 | 7,019.36 | 7,100.64 | 7,096.35 | 20.31 | 16.35 | 58.54 | -3,381.26 | -3,393.43 | 5,500.99 | 5,470.48 | 30.50 | 180.332 | | | |
| 7,200.00 | 7,094.79 | 7,173.75 | 7,169.42 | 20.01 | 16.52 | 61.18 | -3,378.71 | -3,393.43 | 5,458.12 | 5,427.66 | 30.46 | 179.180 | | | |
| 7,300.00 | 7,157.81 | 7,234.03 | 7,229.66 | 19.66 | 16.66 | 65.77 | -3,376.60 | -3,393.43 | 5,406.86 | 5,375.85 | 31.01 | 174.357 | | | |
| 7,400.00 | 7,206.51 | 7,279.66 | 7,275.27 | 19.29 | 16.76 | 72.01 | -3,375.01 | -3,393.43 | 5,349.00 | 5,316.89 | 32.11 | 166.605 | | | |
| 7,500.00 | 7,239.40 | 7,309.24 | 7,304.83 | 18.94 | 16.83 | 79.59 | -3,373.98 | -3,393.43 | 5,286.50 | 5,253.14 | 33.36 | 158.473 | | | |
| 7,600.00 | 7,255.49 | 7,321.89 | 7,317.47 | 18.63 | 16.86 | 88.02 | -3,373.54 | -3,393.43 | 5,221.42 | 5,187.16 | 34.26 | 152.402 | | | |
| 7,700.00 | 7,256.04 | 7,318.94 | 7,314.52 | 18.39 | 16.85 | 92.77 | -3,373.64 | -3,393.43 | 5,155.82 | 5,121.20 | 34.62 | 148.940 | | | |
| 7,800.00 | 7,253.91 | 7,313.33 | 7,308.91 | 18.51 | 16.84 | 92.69 | -3,373.83 | -3,393.43 | 5,091.20 | 5,056.17 | 35.02 | 145.360 | | | |
| 7,900.00 | 7,251.78 | 7,307.71 | 7,303.30 | 19.20 | 16.83 | 92.61 | -3,374.03 | -3,393.43 | 5,027.73 | 4,992.11 | 35.62 | 141.159 | | | |
| 8,000.00 | 7,249.65 | 7,302.09 | 7,297.69 | 20.08 | 16.81 | 92.52 | -3,374.23 | -3,393.43 | 4,965.46 | 4,929.08 | 36.38 | 136.482 | | | |
| 8,100.00 | 7,247.53 | 7,296.48 | 7,292.07 | 21.07 | 16.80 | 92.44 | -3,374.42 | -3,393.43 | 4,904.43 | 4,867.05 | 37.38 | 131.204 | | | |
| 8,200.00 | 7,245.40 | 7,290.86 | 7,286.46 | 22.17 | 16.79 | 92.36 | -3,374.62 | -3,393.43 | 4,844.69 | 4,806.18 | 38.51 | 125.809 | | | |
| 8,300.00 | 7,243.27 | 7,285.25 | 7,280.85 | 23.36 | 16.77 | 92.28 | -3,374.81 | -3,393.43 | 4,786.29 | 4,746.54 | 39.75 | 120.416 | | | |
| 8,400.00 | 7,241.14 | 7,279.63 | 7,275.24 | 24.64 | 16.76 | 92.20 | -3,375.01 | -3,393.43 | 4,729.28 | 4,688.19 | 41.08 | 115.113 | | | |
| 8,500.00 | 7,239.01 | 7,274.02 | 7,269.63 | 25.98 | 16.75 | 92.11 | -3,375.21 | -3,393.43 | 4,673.70 | 4,631.20 | 42.50 | 109.968 | | | |
| 8,600.00 | 7,236.89 | 7,268.40 | 7,264.01 | 27.39 | 16.73 | 92.03 | -3,375.40 | -3,393.43 | 4,619.61 | 4,575.62 | 43.99 | 105.024 | | | |
| 8,700.00 | 7,234.76 | 7,262.79 | 7,258.40 | 28.85 | 16.72 | 91.95 | -3,375.60 | -3,393.43 | 4,567.07 | 4,521.53 | 45.53 | 100.306 | | | |
| 8,800.00 | 7,232.63 | 7,257.17 | 7,252.79 | 30.36 | 16.71 | 91.87 | -3,375.79 | -3,393.43 | 4,516.12 | 4,468.99 | 47.13 | 95.831 | | | |
| 8,900.00 | 7,230.50 | 7,251.55 | 7,247.18 | 31.91 | 16.70 | 91.79 | -3,375.99 | -3,393.43 | 4,466.82 | 4,418.05 | 48.76 | 91.601 | | | |
| 9,000.00 | 7,228.38 | 7,245.94 | 7,241.56 | 33.49 | 16.68 | 91.70 | -3,376.19 | -3,393.43 | 4,419.23 | 4,368.79 | 50.44 | 87.617 | | | |
| 9,100.00 | 7,226.25 | 7,240.32 | 7,235.95 | 35.11 | 16.67 | 91.62 | -3,376.38 | -3,393.43 | 4,373.40 | 4,321.25 | 52.14 | 83.872 | | | |
| 9,200.00 | 7,224.12 | 7,234.71 | 7,230.34 | 36.75 | 16.66 | 91.54 | -3,376.58 | -3,393.43 | 4,329.38 | 4,275.51 | 53.88 | 80.356 | | | |
| 9,300.00 | 7,221.99 | 7,229.09 | 7,224.73 | 38.41 | 16.64 | 91.46 | -3,376.77 | -3,393.43 | 4,287.24 | 4,231.61 | 55.63 | 77.061 | | | |
| 9,400.00 | 7,219.86 | 7,223.48 | 7,219.12 | 40.10 | 16.63 | 91.37 | -3,376.97 | -3,393.43 | 4,247.03 | 4,189.62 | 57.41 | 73.975 | | | |
| 9,500.00 | 7,217.74 | 7,217.86 | 7,213.50 | 41.80 | 16.62 | 91.29 | -3,377.17 | -3,393.43 | 4,208.81 | 4,149.60 | 59.21 | 71.086 | | | |
| 9,600.00 | 7,215.61 | 7,212.24 | 7,207.89 | 43.53 | 16.60 | 91.21 | -3,377.36 | -3,393.43 | 4,172.62 | 4,111.60 | 61.02 | 68.382 | | | |
| 9,700.00 | 7,213.48 | 7,206.63 | 7,202.28 | 45.26 | 16.59 | 91.13 | -3,377.56 | -3,393.43 | 4,138.53 | 4,075.69 | 62.85 | 65.853 | | | |
| 9,800.00 | 7,211.35 | 7,201.01 | 7,196.67 | 47.01 | 16.58 | 91.05 | -3,377.75 | -3,393.43 | 4,106.58 | 4,041.90 | 64.68 | 63.487 | | | |
| 9,900.00 | 7,209.22 | 7,195.40 | 7,191.05 | 48.77 | 16.57 | 90.96 | -3,377.95 | -3,393.43 | 4,076.83 | 4,010.30 | 66.53 | 61.275 | | | |
| 10,000.00 | 7,207.10 | 7,189.78 | 7,185.44 | 50.54 | 16.55 | 90.88 | -3,378.15 | -3,393.43 | 4,049.32 | 3,980.93 | 68.39 | 59.207 | | | |
| 10,100.00 | 7,204.97 | 7,184.17 | 7,179.83 | 52.32 | 16.54 | 90.80 | -3,378.34 | -3,393.43 | 4,024.10 | 3,953.84 | 70.26 | 57.274 | | | |
| 10,200.00 | 7,202.84 | 7,178.55 | 7,174.22 | 54.11 | 16.53 | 90.72 | -3,378.54 | -3,393.43 | 4,001.22 | 3,929.08 | 72.14 | 55.467 | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|-----------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | | | Offset | | Semi Major Axis | | | Distance | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | |
| 10,300.00 | 7,200.71 | 7,172.93 | 7,168.61 | 55.91 | 16.51 | 90.63 | -3,378.73 | -3,393.43 | 3,980.71 | 3,906.69 | 74.02 | 53.779 | | | |
| 10,400.00 | 7,198.59 | 7,167.32 | 7,162.99 | 57.72 | 16.50 | 90.55 | -3,378.93 | -3,393.43 | 3,962.60 | 3,886.69 | 75.91 | 52.202 | | | |
| 10,500.00 | 7,196.46 | 7,161.70 | 7,157.38 | 59.53 | 16.49 | 90.47 | -3,379.13 | -3,393.43 | 3,946.95 | 3,869.14 | 77.80 | 50.729 | | | |
| 10,600.00 | 7,194.33 | 7,156.09 | 7,151.77 | 61.34 | 16.47 | 90.39 | -3,379.32 | -3,393.43 | 3,933.76 | 3,854.05 | 79.71 | 49.354 | | | |
| 10,700.00 | 7,192.20 | 7,150.47 | 7,146.16 | 63.17 | 16.46 | 90.31 | -3,379.52 | -3,393.43 | 3,923.07 | 3,841.46 | 81.61 | 48.070 | | | |
| 10,800.00 | 7,190.07 | 7,144.86 | 7,140.54 | 64.99 | 16.45 | 90.22 | -3,379.71 | -3,393.43 | 3,914.90 | 3,831.38 | 83.52 | 46.873 | | | |
| 10,900.00 | 7,187.95 | 7,139.24 | 7,134.93 | 66.83 | 16.44 | 90.14 | -3,379.91 | -3,393.43 | 3,909.26 | 3,823.83 | 85.44 | 45.757 | | | |
| 11,000.00 | 7,185.82 | 7,133.62 | 7,129.32 | 68.66 | 16.42 | 90.06 | -3,380.11 | -3,393.43 | 3,906.17 | 3,818.82 | 87.35 | 44.717 | | | |
| 11,071.23 | 7,184.30 | 7,129.62 | 7,125.32 | 69.97 | 16.41 | 90.00 | -3,380.25 | -3,393.43 | 3,905.52 | 3,816.78 | 88.75 | 44.007 CC | | | |
| 11,100.00 | 7,183.69 | 7,128.01 | 7,123.71 | 70.50 | 16.41 | 89.98 | -3,380.30 | -3,393.43 | 3,905.63 | 3,816.35 | 89.27 | 43.749 ES | | | |
| 11,200.00 | 7,181.56 | 7,122.39 | 7,118.09 | 72.35 | 16.40 | 89.89 | -3,380.50 | -3,393.43 | 3,907.64 | 3,816.44 | 91.20 | 42.848 | | | |
| 11,300.00 | 7,179.44 | 7,116.78 | 7,112.48 | 74.19 | 16.38 | 89.81 | -3,380.69 | -3,393.43 | 3,912.20 | 3,819.07 | 93.13 | 42.010 | | | |
| 11,400.00 | 7,177.31 | 7,111.16 | 7,106.87 | 76.04 | 16.37 | 89.73 | -3,380.89 | -3,393.43 | 3,919.29 | 3,824.24 | 95.05 | 41.232 | | | |
| 11,500.00 | 7,175.18 | 7,105.55 | 7,101.26 | 77.90 | 16.36 | 89.65 | -3,381.09 | -3,393.43 | 3,928.92 | 3,831.93 | 96.99 | 40.510 | | | |
| 11,600.00 | 7,173.05 | 7,099.93 | 7,095.65 | 79.75 | 16.34 | 89.57 | -3,381.28 | -3,393.43 | 3,941.04 | 3,842.12 | 98.92 | 39.840 | | | |
| 11,700.00 | 7,170.92 | 7,094.31 | 7,090.03 | 81.61 | 16.33 | 89.48 | -3,381.48 | -3,393.43 | 3,955.66 | 3,854.80 | 100.86 | 39.220 | | | |
| 11,800.00 | 7,168.80 | 7,088.70 | 7,084.42 | 83.47 | 16.32 | 89.40 | -3,381.67 | -3,393.43 | 3,972.72 | 3,869.93 | 102.79 | 38.647 | | | |
| 11,837.41 | 7,168.00 | 7,086.60 | 7,082.32 | 84.17 | 16.31 | 89.37 | -3,381.75 | -3,393.43 | 3,979.74 | 3,876.22 | 103.52 | 38.444 SF | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | | |
|--------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|---|---------|--------------------|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | | WELD_CAMP 5 PAD - LEWIS CAMP-C 2 offset - LEWIS CAMP-C 2 - LEWIS CAMP-C 2 | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -165.89 | -3,043.59 | -764.89 | 3,138.37 | | | | | | | |
| 100.00 | 100.00 | 63.25 | 63.24 | 0.08 | 0.08 | -165.90 | -3,043.75 | -764.59 | 3,138.32 | 3,138.15 | 0.17 | N/A | | | | |
| 200.00 | 200.00 | 155.46 | 155.44 | 0.31 | 0.28 | -165.92 | -3,044.43 | -763.37 | 3,138.71 | 3,138.12 | 0.59 | 5,329.951 | | | | |
| 300.00 | 300.00 | 254.68 | 254.66 | 0.53 | 0.54 | -165.95 | -3,045.24 | -762.36 | 3,139.26 | 3,138.18 | 1.07 | 2,921.105 | | | | |
| 400.00 | 400.00 | 359.06 | 359.03 | 0.76 | 0.81 | -165.96 | -3,045.86 | -761.83 | 3,139.71 | 3,138.14 | 1.57 | 1,998.025 | | | | |
| 500.00 | 500.00 | 455.24 | 455.21 | 0.98 | 1.06 | -165.96 | -3,046.30 | -761.60 | 3,140.10 | 3,138.06 | 2.04 | 1,537.957 | | | | |
| 600.00 | 600.00 | 561.23 | 561.20 | 1.21 | 1.32 | -165.97 | -3,046.93 | -761.36 | 3,140.63 | 3,138.10 | 2.53 | 1,240.092 | | | | |
| 700.00 | 700.00 | 669.61 | 669.58 | 1.43 | 1.60 | -165.98 | -3,047.16 | -760.96 | 3,140.74 | 3,137.71 | 3.03 | 1,036.089 | | | | |
| 800.00 | 800.00 | 765.97 | 765.94 | 1.66 | 1.79 | -165.98 | -3,047.25 | -760.90 | 3,140.82 | 3,137.37 | 3.45 | 911.447 | | | | |
| 900.00 | 900.00 | 865.97 | 865.94 | 1.88 | 1.91 | -165.98 | -3,047.39 | -761.16 | 3,141.01 | 3,137.23 | 3.79 | 829.086 | | | | |
| 1,000.00 | 1,000.00 | 970.05 | 970.02 | 2.11 | 1.99 | -165.97 | -3,047.42 | -761.46 | 3,141.11 | 3,137.02 | 4.10 | 766.446 | | | | |
| 1,100.00 | 1,100.00 | 1,088.85 | 1,088.82 | 2.33 | 2.07 | -165.96 | -3,047.08 | -761.79 | 3,140.91 | 3,136.51 | 4.40 | 713.139 | | | | |
| 1,200.00 | 1,200.00 | 1,189.89 | 1,189.85 | 2.56 | 2.16 | -165.96 | -3,046.43 | -761.81 | 3,140.29 | 3,135.58 | 4.71 | 666.370 | | | | |
| 1,300.00 | 1,300.00 | 1,285.53 | 1,285.49 | 2.78 | 2.26 | -165.96 | -3,045.88 | -761.91 | 3,139.76 | 3,134.72 | 5.04 | 623.114 | | | | |
| 1,314.39 | 1,314.39 | 1,300.00 | 1,299.97 | 2.81 | 2.27 | 157.64 | -3,045.79 | -761.97 | 3,139.73 | 3,134.64 | 5.09 | 617.176 | | | | |
| 1,400.00 | 1,399.98 | 1,377.59 | 1,377.55 | 3.00 | 2.37 | 157.65 | -3,045.43 | -762.38 | 3,141.03 | 3,135.65 | 5.38 | 583.762 | | | | |
| 1,500.00 | 1,499.84 | 1,475.04 | 1,475.00 | 3.23 | 2.51 | 157.66 | -3,045.18 | -762.81 | 3,145.72 | 3,139.98 | 5.74 | 547.655 | | | | |
| 1,600.00 | 1,599.45 | 1,581.71 | 1,581.67 | 3.45 | 2.69 | 157.66 | -3,044.96 | -762.73 | 3,153.58 | 3,147.44 | 6.14 | 513.628 | | | | |
| 1,700.00 | 1,698.70 | 1,677.31 | 1,677.27 | 3.69 | 2.85 | 157.66 | -3,044.66 | -762.61 | 3,164.53 | 3,158.00 | 6.53 | 484.869 | | | | |
| 1,800.00 | 1,797.61 | 1,783.59 | 1,783.55 | 3.95 | 3.04 | 157.75 | -3,044.26 | -762.87 | 3,177.86 | 3,170.91 | 6.94 | 457.600 | | | | |
| 1,900.00 | 1,896.51 | 1,888.85 | 1,888.81 | 4.22 | 3.23 | 157.87 | -3,043.48 | -763.44 | 3,191.03 | 3,183.65 | 7.38 | 432.510 | | | | |
| 2,000.00 | 1,995.40 | 1,987.45 | 1,987.40 | 4.51 | 3.43 | 157.98 | -3,042.63 | -764.11 | 3,204.12 | 3,196.31 | 7.81 | 410.132 | | | | |
| 2,100.00 | 2,094.30 | 2,069.02 | 2,068.96 | 4.80 | 3.59 | 158.08 | -3,042.10 | -764.75 | 3,217.47 | 3,209.26 | 8.22 | 391.592 | | | | |
| 2,200.00 | 2,193.19 | 2,166.49 | 2,166.43 | 5.10 | 3.78 | 158.19 | -3,041.94 | -765.45 | 3,231.27 | 3,222.62 | 8.66 | 373.228 | | | | |
| 2,300.00 | 2,292.09 | 2,255.08 | 2,255.02 | 5.41 | 3.94 | 158.28 | -3,041.87 | -765.62 | 3,245.05 | 3,235.99 | 9.07 | 357.867 | | | | |
| 2,400.00 | 2,390.98 | 2,341.66 | 2,341.60 | 5.72 | 4.08 | 158.36 | -3,042.37 | -765.49 | 3,259.35 | 3,249.90 | 9.45 | 344.868 | | | | |
| 2,500.00 | 2,489.88 | 2,432.77 | 2,432.70 | 6.04 | 4.21 | 158.44 | -3,043.09 | -765.22 | 3,273.84 | 3,264.01 | 9.83 | 333.035 | | | | |
| 2,600.00 | 2,588.77 | 2,522.04 | 2,521.97 | 6.36 | 4.34 | 158.52 | -3,044.12 | -765.12 | 3,288.72 | 3,278.50 | 10.22 | 321.811 | | | | |
| 2,700.00 | 2,687.67 | 2,632.18 | 2,632.10 | 6.68 | 4.53 | 158.62 | -3,045.16 | -765.26 | 3,303.47 | 3,292.82 | 10.66 | 310.020 | | | | |
| 2,800.00 | 2,786.56 | 2,733.71 | 2,733.63 | 7.01 | 4.70 | 158.71 | -3,045.99 | -765.12 | 3,318.05 | 3,306.96 | 11.08 | 299.344 | | | | |
| 2,900.00 | 2,885.46 | 2,832.61 | 2,832.53 | 7.34 | 4.87 | 158.79 | -3,046.88 | -764.56 | 3,332.59 | 3,321.08 | 11.51 | 289.481 | | | | |
| 3,000.00 | 2,984.36 | 2,935.42 | 2,935.33 | 7.67 | 5.06 | 158.87 | -3,047.73 | -764.20 | 3,347.14 | 3,335.18 | 11.95 | 279.994 | | | | |
| 3,100.00 | 3,083.25 | 3,038.55 | 3,038.46 | 8.00 | 5.25 | 158.96 | -3,048.40 | -763.53 | 3,361.43 | 3,349.03 | 12.40 | 271.033 | | | | |
| 3,200.00 | 3,182.15 | 3,130.22 | 3,130.13 | 8.34 | 5.43 | 159.03 | -3,049.08 | -763.15 | 3,375.88 | 3,363.05 | 12.84 | 263.004 | | | | |
| 3,300.00 | 3,281.04 | 3,240.89 | 3,240.79 | 8.67 | 5.65 | 159.12 | -3,049.94 | -762.74 | 3,390.41 | 3,377.10 | 13.31 | 254.719 | | | | |
| 3,400.00 | 3,379.94 | 3,345.88 | 3,345.77 | 9.01 | 5.85 | 159.19 | -3,050.27 | -761.53 | 3,404.26 | 3,390.49 | 13.77 | 247.214 | | | | |
| 3,500.00 | 3,478.83 | 3,430.67 | 3,430.56 | 9.35 | 6.02 | 159.26 | -3,050.82 | -761.06 | 3,418.59 | 3,404.40 | 14.20 | 240.783 | | | | |
| 3,600.00 | 3,577.73 | 3,540.16 | 3,540.04 | 9.69 | 6.25 | 159.34 | -3,051.52 | -760.26 | 3,432.89 | 3,418.20 | 14.68 | 233.831 | | | | |
| 3,700.00 | 3,676.62 | 3,645.62 | 3,645.49 | 10.03 | 6.47 | 159.41 | -3,052.01 | -759.04 | 3,446.90 | 3,431.75 | 15.15 | 227.461 | | | | |
| 3,800.00 | 3,775.52 | 3,746.68 | 3,746.55 | 10.37 | 6.67 | 159.48 | -3,052.38 | -757.88 | 3,460.84 | 3,445.22 | 15.62 | 221.579 | | | | |
| 3,900.00 | 3,874.41 | 3,846.88 | 3,846.74 | 10.72 | 6.88 | 159.54 | -3,052.68 | -756.72 | 3,474.71 | 3,458.62 | 16.09 | 216.015 | | | | |
| 4,000.00 | 3,973.31 | 3,952.67 | 3,952.52 | 11.06 | 7.10 | 159.61 | -3,053.01 | -755.27 | 3,488.54 | 3,471.98 | 16.56 | 210.598 | | | | |
| 4,100.00 | 4,072.20 | 4,043.01 | 4,042.85 | 11.40 | 7.30 | 159.66 | -3,053.17 | -753.84 | 3,502.20 | 3,485.19 | 17.02 | 205.829 | | | | |
| 4,200.00 | 4,171.10 | 4,130.44 | 4,130.25 | 11.75 | 7.49 | 159.70 | -3,054.08 | -751.84 | 3,516.45 | 3,498.99 | 17.46 | 201.347 | | | | |
| 4,300.00 | 4,269.99 | 4,237.32 | 4,237.08 | 12.09 | 7.72 | 159.74 | -3,054.96 | -748.90 | 3,530.38 | 3,512.41 | 17.96 | 196.546 | | | | |
| 4,400.00 | 4,368.89 | 4,300.00 | 4,299.74 | 12.44 | 7.87 | 159.77 | -3,055.69 | -747.27 | 3,544.78 | 3,526.41 | 18.36 | 193.033 | | | | |
| 4,500.00 | 4,467.78 | 4,373.00 | 4,372.71 | 12.78 | 8.03 | 159.80 | -3,057.10 | -745.75 | 3,560.02 | 3,541.23 | 18.79 | 189.453 | | | | |
| 4,600.00 | 4,566.68 | 4,458.48 | 4,458.15 | 13.13 | 8.23 | 159.84 | -3,059.43 | -744.54 | 3,576.11 | 3,556.86 | 19.25 | 185.808 | | | | |
| 4,700.00 | 4,665.57 | 4,579.03 | 4,578.65 | 13.48 | 8.51 | 159.90 | -3,062.36 | -743.12 | 3,592.05 | 3,572.26 | 19.78 | 181.584 | | | | |
| 4,800.00 | 4,764.47 | 4,669.24 | 4,668.84 | 13.82 | 8.72 | 159.96 | -3,064.12 | -742.36 | 3,607.61 | 3,587.36 | 20.25 | 178.180 | | | | |
| 4,900.00 | 4,863.36 | 4,764.62 | 4,764.21 | 14.17 | 8.93 | 160.02 | -3,066.14 | -742.13 | 3,623.50 | 3,602.78 | 20.72 | 174.912 | | | | |
| 5,000.00 | 4,962.26 | 4,870.64 | 4,870.21 | 14.52 | 9.15 | 160.10 | -3,068.09 | -742.44 | 3,639.28 | 3,618.08 | 21.19 | 171.708 | | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft |
|--------------------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | 0.00 ft |
| Reference | | | | Offset | | Semi Major Axis | | | Distance | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 5,100.00 | 5,061.15 | 4,979.28 | 4,978.83 | 14.87 | 9.37 | 160.19 | -3,069.75 | -742.96 | 3,654.82 | 3,633.15 | 21.68 | 168.601 | | |
| 5,200.00 | 5,160.05 | 5,086.98 | 5,086.53 | 15.21 | 9.61 | 160.27 | -3,071.21 | -743.09 | 3,670.11 | 3,647.94 | 22.17 | 165.559 | | |
| 5,300.00 | 5,258.94 | 5,191.27 | 5,190.81 | 15.56 | 9.84 | 160.35 | -3,072.43 | -743.14 | 3,685.21 | 3,662.55 | 22.66 | 162.638 | | |
| 5,400.00 | 5,357.84 | 5,272.28 | 5,271.80 | 15.91 | 10.02 | 160.41 | -3,073.50 | -743.17 | 3,700.45 | 3,677.35 | 23.10 | 160.204 | | |
| 5,500.00 | 5,456.73 | 5,382.49 | 5,382.00 | 16.26 | 10.27 | 160.49 | -3,075.16 | -743.45 | 3,715.96 | 3,692.36 | 23.60 | 157.436 | | |
| 5,600.00 | 5,555.63 | 5,472.58 | 5,472.08 | 16.61 | 10.49 | 160.55 | -3,076.45 | -743.15 | 3,731.22 | 3,707.14 | 24.07 | 154.990 | | |
| 5,700.00 | 5,654.52 | 5,564.44 | 5,563.93 | 16.96 | 10.70 | 160.61 | -3,078.02 | -743.04 | 3,746.79 | 3,722.24 | 24.55 | 152.642 | | |
| 5,800.00 | 5,753.42 | 5,679.32 | 5,678.80 | 17.31 | 10.96 | 160.69 | -3,079.75 | -743.30 | 3,762.30 | 3,737.23 | 25.07 | 150.099 | | |
| 5,900.00 | 5,852.31 | 5,782.16 | 5,781.63 | 17.66 | 11.20 | 160.77 | -3,080.89 | -743.46 | 3,777.41 | 3,751.85 | 25.56 | 147.803 | | |
| 6,000.00 | 5,951.21 | 5,909.54 | 5,909.01 | 18.01 | 11.49 | 160.86 | -3,081.94 | -743.41 | 3,792.20 | 3,766.10 | 26.10 | 145.271 | | |
| 6,100.00 | 6,050.10 | 6,026.01 | 6,025.48 | 18.36 | 11.68 | 160.94 | -3,082.08 | -743.20 | 3,806.27 | 3,779.72 | 26.55 | 143.347 | | |
| 6,200.00 | 6,149.00 | 6,123.82 | 6,123.29 | 18.71 | 11.85 | 161.00 | -3,082.17 | -742.64 | 3,820.22 | 3,793.24 | 26.97 | 141.626 | | |
| 6,300.00 | 6,247.89 | 6,222.13 | 6,221.59 | 19.06 | 12.05 | 161.06 | -3,082.24 | -742.04 | 3,834.14 | 3,806.71 | 27.44 | 139.737 | | |
| 6,400.00 | 6,346.79 | 6,312.86 | 6,312.31 | 19.41 | 12.25 | 161.12 | -3,082.55 | -741.24 | 3,848.24 | 3,820.35 | 27.89 | 137.956 | | |
| 6,500.00 | 6,445.68 | 6,415.04 | 6,414.49 | 19.76 | 12.49 | 161.17 | -3,083.03 | -740.04 | 3,862.37 | 3,833.99 | 28.39 | 136.066 | | |
| 6,600.00 | 6,544.58 | 6,509.23 | 6,508.67 | 20.11 | 12.70 | 161.22 | -3,083.50 | -738.89 | 3,876.52 | 3,847.66 | 28.86 | 134.318 | | |
| 6,700.00 | 6,643.53 | 6,591.26 | 6,590.69 | 20.44 | 12.90 | 148.09 | -3,084.18 | -737.84 | 3,890.44 | 3,861.20 | 29.24 | 133.063 | | |
| 6,800.00 | 6,743.00 | 6,663.46 | 6,662.88 | 20.62 | 13.08 | 59.93 | -3,085.17 | -736.97 | 3,892.98 | 3,863.61 | 29.37 | 132.559 | | |
| 6,900.00 | 6,840.75 | 6,743.51 | 6,742.91 | 20.64 | 13.27 | 36.79 | -3,086.80 | -736.20 | 3,879.68 | 3,850.98 | 28.70 | 135.194 | | |
| 7,000.00 | 6,933.82 | 6,838.90 | 6,838.27 | 20.54 | 13.51 | 31.45 | -3,088.95 | -735.20 | 3,850.51 | 3,823.19 | 27.33 | 140.901 | | |
| 7,100.00 | 7,019.36 | 6,934.32 | 6,933.68 | 20.31 | 13.74 | 30.70 | -3,090.72 | -734.65 | 3,806.01 | 3,780.58 | 25.44 | 149.631 | | |
| 7,200.00 | 7,094.79 | 7,000.00 | 6,999.34 | 20.01 | 13.91 | 32.38 | -3,091.97 | -734.01 | 3,747.82 | 3,724.43 | 23.38 | 160.273 | | |
| 7,300.00 | 7,157.81 | 7,055.97 | 7,055.29 | 19.66 | 14.04 | 36.50 | -3,093.18 | -733.50 | 3,677.98 | 3,655.95 | 22.02 | 166.999 | | |
| 7,400.00 | 7,206.51 | 7,100.00 | 7,099.31 | 19.29 | 14.15 | 43.92 | -3,094.25 | -733.39 | 3,598.71 | 3,576.14 | 22.57 | 159.435 | | |
| 7,500.00 | 7,239.40 | 7,123.02 | 7,122.32 | 18.94 | 14.20 | 56.20 | -3,094.85 | -733.41 | 3,512.31 | 3,486.53 | 25.77 | 136.275 | | |
| 7,600.00 | 7,255.49 | 7,139.04 | 7,138.33 | 18.63 | 14.24 | 75.65 | -3,095.27 | -733.44 | 3,421.34 | 3,391.00 | 30.34 | 112.780 | | |
| 7,700.00 | 7,256.04 | 7,141.80 | 7,141.09 | 18.39 | 14.24 | 89.07 | -3,095.35 | -733.45 | 3,328.58 | 3,296.66 | 31.92 | 104.285 | | |
| 7,800.00 | 7,253.91 | 7,142.27 | 7,141.57 | 18.51 | 14.25 | 89.09 | -3,095.36 | -733.45 | 3,236.06 | 3,203.73 | 32.33 | 100.083 | | |
| 7,900.00 | 7,251.78 | 7,142.75 | 7,142.04 | 19.20 | 14.25 | 89.11 | -3,095.37 | -733.45 | 3,144.01 | 3,111.07 | 32.94 | 95.456 | | |
| 8,000.00 | 7,249.65 | 7,143.23 | 7,142.52 | 20.08 | 14.25 | 89.13 | -3,095.39 | -733.45 | 3,052.45 | 3,018.74 | 33.71 | 90.552 | | |
| 8,100.00 | 7,247.53 | 7,143.71 | 7,143.01 | 21.07 | 14.25 | 89.16 | -3,095.40 | -733.45 | 2,961.43 | 2,926.79 | 34.64 | 85.483 | | |
| 8,200.00 | 7,245.40 | 7,144.20 | 7,143.49 | 22.17 | 14.25 | 89.18 | -3,095.41 | -733.45 | 2,871.02 | 2,835.23 | 35.79 | 80.222 | | |
| 8,300.00 | 7,243.27 | 7,144.69 | 7,143.98 | 23.36 | 14.25 | 89.20 | -3,095.42 | -733.45 | 2,781.26 | 2,744.21 | 37.05 | 75.075 | | |
| 8,400.00 | 7,241.14 | 7,145.18 | 7,144.47 | 24.64 | 14.25 | 89.22 | -3,095.44 | -733.46 | 2,692.22 | 2,653.82 | 38.40 | 70.109 | | |
| 8,500.00 | 7,239.01 | 7,145.67 | 7,144.96 | 25.98 | 14.25 | 89.25 | -3,095.45 | -733.46 | 2,603.98 | 2,564.15 | 39.84 | 65.367 | | |
| 8,600.00 | 7,236.89 | 7,146.17 | 7,145.46 | 27.39 | 14.25 | 89.27 | -3,095.46 | -733.46 | 2,516.62 | 2,475.28 | 41.34 | 60.873 | | |
| 8,700.00 | 7,234.76 | 7,146.66 | 7,145.95 | 28.85 | 14.26 | 89.29 | -3,095.48 | -733.46 | 2,430.23 | 2,387.33 | 42.91 | 56.640 | | |
| 8,800.00 | 7,232.63 | 7,147.16 | 7,146.45 | 30.36 | 14.26 | 89.31 | -3,095.49 | -733.46 | 2,344.93 | 2,300.41 | 44.52 | 52.670 | | |
| 8,900.00 | 7,230.50 | 7,147.67 | 7,146.96 | 31.91 | 14.26 | 89.34 | -3,095.50 | -733.46 | 2,260.83 | 2,214.65 | 46.18 | 48.958 | | |
| 9,000.00 | 7,228.38 | 7,148.17 | 7,147.46 | 33.49 | 14.26 | 89.36 | -3,095.52 | -733.46 | 2,178.07 | 2,130.20 | 47.87 | 45.497 | | |
| 9,100.00 | 7,226.25 | 7,148.68 | 7,147.97 | 35.11 | 14.26 | 89.38 | -3,095.53 | -733.47 | 2,096.82 | 2,047.22 | 49.60 | 42.275 | | |
| 9,200.00 | 7,224.12 | 7,149.19 | 7,148.48 | 36.75 | 14.26 | 89.41 | -3,095.55 | -733.47 | 2,017.25 | 1,965.90 | 51.35 | 39.283 | | |
| 9,300.00 | 7,221.99 | 7,149.71 | 7,149.00 | 38.41 | 14.26 | 89.43 | -3,095.56 | -733.47 | 1,939.58 | 1,886.45 | 53.13 | 36.507 | | |
| 9,400.00 | 7,219.86 | 7,150.22 | 7,149.51 | 40.10 | 14.26 | 89.46 | -3,095.57 | -733.47 | 1,864.03 | 1,809.10 | 54.93 | 33.936 | | |
| 9,500.00 | 7,217.74 | 7,150.74 | 7,150.03 | 41.80 | 14.26 | 89.48 | -3,095.59 | -733.47 | 1,790.88 | 1,734.14 | 56.74 | 31.561 | | |
| 9,600.00 | 7,215.61 | 7,151.26 | 7,150.55 | 43.53 | 14.27 | 89.50 | -3,095.60 | -733.47 | 1,720.44 | 1,661.87 | 58.57 | 29.372 | | |
| 9,700.00 | 7,213.48 | 7,151.79 | 7,151.08 | 45.26 | 14.27 | 89.53 | -3,095.62 | -733.48 | 1,653.05 | 1,592.63 | 60.42 | 27.359 | | |
| 9,800.00 | 7,211.35 | 7,152.32 | 7,151.61 | 47.01 | 14.27 | 89.55 | -3,095.63 | -733.48 | 1,589.09 | 1,526.81 | 62.28 | 25.516 | | |
| 9,900.00 | 7,209.22 | 7,152.85 | 7,152.14 | 48.77 | 14.27 | 89.58 | -3,095.65 | -733.48 | 1,529.01 | 1,464.86 | 64.15 | 23.836 | | |
| 10,000.00 | 7,207.10 | 7,153.38 | 7,152.67 | 50.54 | 14.27 | 89.60 | -3,095.66 | -733.48 | 1,473.27 | 1,407.24 | 66.03 | 22.313 | | |
| 10,100.00 | 7,204.97 | 7,153.92 | 7,153.21 | 52.32 | 14.27 | 89.63 | -3,095.67 | -733.48 | 1,422.38 | 1,354.46 | 67.92 | 20.943 | | |
| 10,200.00 | 7,202.84 | 7,154.46 | 7,153.75 | 54.11 | 14.27 | 89.65 | -3,095.69 | -733.48 | 1,376.88 | 1,307.07 | 69.81 | 19.723 | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|--------------------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|---------|
| Survey Program: 100-NS-GYRO-MS | | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | | | Offset | | Semi Major Axis | | | Distance | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | |
| 10,300.00 | 7,200.71 | 7,155.00 | 7,154.29 | 55.91 | 14.27 | 89.67 | -3,095.70 | -733.49 | 1,337.33 | 1,265.62 | 71.72 | 18.648 | | | |
| 10,400.00 | 7,198.59 | 7,155.54 | 7,154.83 | 57.72 | 14.28 | 89.70 | -3,095.72 | -733.49 | 1,304.26 | 1,230.64 | 73.63 | 17.715 | | | |
| 10,500.00 | 7,196.46 | 7,156.09 | 7,155.38 | 59.53 | 14.28 | 89.73 | -3,095.73 | -733.49 | 1,278.18 | 1,202.64 | 75.54 | 16.920 | | | |
| 10,600.00 | 7,194.33 | 7,156.64 | 7,155.93 | 61.34 | 14.28 | 89.75 | -3,095.75 | -733.49 | 1,259.52 | 1,182.06 | 77.46 | 16.260 | | | |
| 10,700.00 | 7,192.20 | 7,157.20 | 7,156.49 | 63.17 | 14.28 | 89.78 | -3,095.76 | -733.49 | 1,248.61 | 1,169.22 | 79.39 | 15.728 | | | |
| 10,786.78 | 7,190.36 | 7,157.68 | 7,156.97 | 64.75 | 14.28 | 89.80 | -3,095.78 | -733.49 | 1,245.59 | 1,164.52 | 81.08 | 15.363 CC | | | |
| 10,800.00 | 7,190.07 | 7,157.76 | 7,157.04 | 64.99 | 14.28 | 89.80 | -3,095.78 | -733.50 | 1,245.66 | 1,164.34 | 81.32 | 15.318 ES | | | |
| 10,900.00 | 7,187.95 | 7,158.32 | 7,157.60 | 66.83 | 14.28 | 89.83 | -3,095.79 | -733.50 | 1,250.73 | 1,167.47 | 83.26 | 15.023 | | | |
| 11,000.00 | 7,185.82 | 7,158.88 | 7,158.17 | 68.66 | 14.28 | 89.85 | -3,095.81 | -733.50 | 1,263.71 | 1,178.51 | 85.19 | 14.833 | | | |
| 11,100.00 | 7,183.69 | 7,159.45 | 7,158.73 | 70.50 | 14.28 | 89.88 | -3,095.82 | -733.50 | 1,284.37 | 1,197.23 | 87.14 | 14.740 | | | |
| 11,200.00 | 7,181.56 | 7,160.02 | 7,159.30 | 72.35 | 14.29 | 89.91 | -3,095.84 | -733.50 | 1,312.34 | 1,223.26 | 89.08 | 14.732 SF | | | |
| 11,300.00 | 7,179.44 | 7,160.59 | 7,159.88 | 74.19 | 14.29 | 89.93 | -3,095.86 | -733.51 | 1,347.17 | 1,256.14 | 91.03 | 14.799 | | | |
| 11,400.00 | 7,177.31 | 7,161.17 | 7,160.45 | 76.04 | 14.29 | 89.96 | -3,095.87 | -733.51 | 1,388.35 | 1,295.37 | 92.98 | 14.931 | | | |
| 11,500.00 | 7,175.18 | 7,161.75 | 7,161.03 | 77.90 | 14.29 | 89.99 | -3,095.89 | -733.51 | 1,435.32 | 1,340.39 | 94.94 | 15.119 | | | |
| 11,600.00 | 7,173.05 | 7,162.33 | 7,161.61 | 79.75 | 14.29 | 90.01 | -3,095.90 | -733.51 | 1,487.55 | 1,390.65 | 96.89 | 15.352 | | | |
| 11,700.00 | 7,170.92 | 7,162.91 | 7,162.20 | 81.61 | 14.29 | 90.04 | -3,095.92 | -733.51 | 1,544.48 | 1,445.63 | 98.85 | 15.624 | | | |
| 11,800.00 | 7,168.80 | 7,163.50 | 7,162.79 | 83.47 | 14.29 | 90.07 | -3,095.94 | -733.52 | 1,605.64 | 1,504.82 | 100.81 | 15.927 | | | |
| 11,837.41 | 7,168.00 | 7,163.73 | 7,163.01 | 84.17 | 14.29 | 90.08 | -3,095.94 | -733.52 | 1,629.50 | 1,527.96 | 101.55 | 16.047 | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|-----------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | | | Offset | | Semi Major Axis | | | Distance | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -106.26 | -1,003.38 | -3,439.48 | 3,583.81 | | | | | | |
| 100.00 | 100.00 | 26.17 | 26.17 | 0.08 | 0.03 | -106.26 | -1,003.26 | -3,439.48 | 3,582.82 | 3,582.71 | 0.11 | N/A | | | |
| 200.00 | 200.00 | 151.98 | 151.93 | 0.31 | 0.23 | -106.21 | -999.82 | -3,439.48 | 3,582.02 | 3,581.48 | 0.54 | 6,608.659 | | | |
| 300.00 | 300.00 | 251.92 | 251.81 | 0.53 | 0.47 | -106.16 | -996.33 | -3,439.48 | 3,581.05 | 3,580.05 | 1.00 | 3,598.500 | | | |
| 400.00 | 400.00 | 351.86 | 351.69 | 0.76 | 0.70 | -106.10 | -992.85 | -3,439.48 | 3,580.08 | 3,578.63 | 1.45 | 2,471.805 | | | |
| 500.00 | 500.00 | 451.80 | 451.57 | 0.98 | 0.93 | -106.05 | -989.36 | -3,439.48 | 3,579.11 | 3,577.21 | 1.90 | 1,882.092 | | | |
| 600.00 | 600.00 | 551.74 | 551.44 | 1.21 | 1.16 | -105.99 | -985.87 | -3,439.47 | 3,578.14 | 3,575.79 | 2.36 | 1,519.351 | | | |
| 700.00 | 700.00 | 651.68 | 651.32 | 1.43 | 1.39 | -105.94 | -982.38 | -3,439.47 | 3,577.18 | 3,574.37 | 2.81 | 1,273.691 | | | |
| 800.00 | 800.00 | 751.62 | 751.20 | 1.66 | 1.63 | -105.89 | -978.89 | -3,439.47 | 3,576.22 | 3,572.96 | 3.26 | 1,096.306 | | | |
| 900.00 | 900.00 | 851.56 | 851.08 | 1.88 | 1.86 | -105.83 | -975.41 | -3,439.47 | 3,575.27 | 3,571.55 | 3.72 | 962.206 | | | |
| 1,000.00 | 1,000.00 | 951.50 | 950.96 | 2.11 | 2.09 | -105.78 | -971.92 | -3,439.47 | 3,574.32 | 3,570.15 | 4.17 | 857.270 | | | |
| 1,100.00 | 1,100.00 | 1,051.44 | 1,050.84 | 2.33 | 2.32 | -105.73 | -968.43 | -3,439.47 | 3,573.37 | 3,568.75 | 4.62 | 772.917 | | | |
| 1,200.00 | 1,200.00 | 1,151.37 | 1,150.71 | 2.56 | 2.55 | -105.67 | -964.94 | -3,439.47 | 3,572.42 | 3,567.35 | 5.08 | 703.634 | | | |
| 1,300.00 | 1,300.00 | 1,251.31 | 1,250.59 | 2.78 | 2.79 | -105.62 | -961.45 | -3,439.47 | 3,571.48 | 3,565.95 | 5.53 | 645.712 | | | |
| 1,334.16 | 1,334.16 | 1,285.45 | 1,284.71 | 2.86 | 2.86 | -105.61 | -960.26 | -3,439.47 | 3,571.32 | 3,565.60 | 5.72 | 624.597 CC, ES | | | |
| 1,400.00 | 1,399.98 | 1,351.28 | 1,350.50 | 3.00 | 3.02 | -141.98 | -957.97 | -3,439.47 | 3,571.92 | 3,565.90 | 6.01 | 593.913 | | | |
| 1,500.00 | 1,499.84 | 1,451.23 | 1,450.38 | 3.23 | 3.25 | -141.94 | -954.48 | -3,439.47 | 3,575.10 | 3,568.65 | 6.46 | 553.602 | | | |
| 1,600.00 | 1,599.45 | 1,551.02 | 1,550.12 | 3.45 | 3.48 | -141.90 | -950.99 | -3,439.47 | 3,581.04 | 3,574.14 | 6.90 | 519.093 | | | |
| 1,700.00 | 1,698.70 | 1,650.56 | 1,649.59 | 3.69 | 3.71 | -141.86 | -947.52 | -3,439.47 | 3,589.71 | 3,582.37 | 7.34 | 489.156 | | | |
| 1,800.00 | 1,797.61 | 1,749.82 | 1,748.80 | 3.95 | 3.94 | -141.91 | -944.06 | -3,439.47 | 3,600.38 | 3,592.58 | 7.80 | 461.784 | | | |
| 1,900.00 | 1,896.51 | 1,849.07 | 1,847.99 | 4.22 | 4.17 | -142.01 | -940.59 | -3,439.47 | 3,611.16 | 3,602.89 | 8.27 | 436.822 | | | |
| 2,000.00 | 1,995.40 | 1,948.32 | 1,947.18 | 4.51 | 4.40 | -142.10 | -937.13 | -3,439.47 | 3,621.94 | 3,613.20 | 8.74 | 414.273 | | | |
| 2,100.00 | 2,094.30 | 2,047.57 | 2,046.37 | 4.80 | 4.63 | -142.19 | -933.67 | -3,439.47 | 3,632.73 | 3,623.51 | 9.22 | 393.849 | | | |
| 2,200.00 | 2,193.19 | 2,146.83 | 2,145.56 | 5.10 | 4.86 | -142.28 | -930.20 | -3,439.47 | 3,643.53 | 3,633.82 | 9.71 | 375.295 | | | |
| 2,300.00 | 2,292.09 | 2,246.08 | 2,244.75 | 5.41 | 5.09 | -142.37 | -926.74 | -3,439.47 | 3,654.34 | 3,644.15 | 10.20 | 358.389 | | | |
| 2,400.00 | 2,390.98 | 2,345.33 | 2,343.94 | 5.72 | 5.32 | -142.46 | -923.27 | -3,439.47 | 3,665.16 | 3,654.48 | 10.69 | 342.939 | | | |
| 2,500.00 | 2,489.88 | 2,444.58 | 2,443.13 | 6.04 | 5.55 | -142.54 | -919.81 | -3,439.47 | 3,675.99 | 3,664.81 | 11.18 | 328.777 | | | |
| 2,600.00 | 2,588.77 | 2,543.83 | 2,542.32 | 6.36 | 5.78 | -142.63 | -916.35 | -3,439.47 | 3,686.83 | 3,675.15 | 11.68 | 315.758 | | | |
| 2,700.00 | 2,687.67 | 2,643.08 | 2,641.51 | 6.68 | 6.01 | -142.72 | -912.88 | -3,439.46 | 3,697.67 | 3,685.50 | 12.17 | 303.757 | | | |
| 2,800.00 | 2,786.56 | 2,742.33 | 2,740.70 | 7.01 | 6.24 | -142.81 | -909.42 | -3,439.46 | 3,708.53 | 3,695.85 | 12.67 | 292.665 | | | |
| 2,900.00 | 2,885.46 | 2,841.58 | 2,839.89 | 7.34 | 6.47 | -142.89 | -905.95 | -3,439.46 | 3,719.39 | 3,706.22 | 13.17 | 282.386 | | | |
| 3,000.00 | 2,984.36 | 2,940.84 | 2,939.08 | 7.67 | 6.70 | -142.98 | -902.49 | -3,439.46 | 3,730.26 | 3,716.59 | 13.67 | 272.838 | | | |
| 3,100.00 | 3,083.25 | 3,040.09 | 3,038.28 | 8.00 | 6.93 | -143.07 | -899.03 | -3,439.46 | 3,741.14 | 3,726.96 | 14.17 | 263.949 | | | |
| 3,200.00 | 3,182.15 | 3,139.34 | 3,137.47 | 8.34 | 7.16 | -143.15 | -895.56 | -3,439.46 | 3,752.03 | 3,737.35 | 14.68 | 255.655 | | | |
| 3,300.00 | 3,281.04 | 3,238.59 | 3,236.66 | 8.67 | 7.39 | -143.24 | -892.10 | -3,439.46 | 3,762.92 | 3,747.74 | 15.18 | 247.899 | | | |
| 3,400.00 | 3,379.94 | 3,337.84 | 3,335.85 | 9.01 | 7.62 | -143.32 | -888.64 | -3,439.46 | 3,773.82 | 3,758.14 | 15.68 | 240.633 | | | |
| 3,500.00 | 3,478.83 | 3,437.09 | 3,435.04 | 9.35 | 7.85 | -143.40 | -885.17 | -3,439.46 | 3,784.74 | 3,768.55 | 16.19 | 233.813 | | | |
| 3,600.00 | 3,577.73 | 3,536.34 | 3,534.23 | 9.69 | 8.08 | -143.49 | -881.71 | -3,439.46 | 3,795.65 | 3,778.96 | 16.69 | 227.400 | | | |
| 3,700.00 | 3,676.62 | 3,635.59 | 3,633.42 | 10.03 | 8.31 | -143.57 | -878.24 | -3,439.46 | 3,806.58 | 3,789.39 | 17.20 | 221.359 | | | |
| 3,800.00 | 3,775.52 | 3,734.85 | 3,732.61 | 10.37 | 8.54 | -143.65 | -874.78 | -3,439.46 | 3,817.52 | 3,799.81 | 17.70 | 215.659 | | | |
| 3,900.00 | 3,874.41 | 3,834.10 | 3,831.80 | 10.72 | 8.77 | -143.73 | -871.32 | -3,439.46 | 3,828.46 | 3,810.25 | 18.21 | 210.274 | | | |
| 4,000.00 | 3,973.31 | 3,933.35 | 3,930.99 | 11.06 | 9.00 | -143.81 | -867.85 | -3,439.46 | 3,839.41 | 3,820.70 | 18.71 | 205.178 | | | |
| 4,100.00 | 4,072.20 | 4,032.60 | 4,030.18 | 11.40 | 9.23 | -143.89 | -864.39 | -3,439.46 | 3,850.37 | 3,831.15 | 19.22 | 200.348 | | | |
| 4,200.00 | 4,171.10 | 4,131.85 | 4,129.37 | 11.75 | 9.46 | -143.97 | -860.93 | -3,439.46 | 3,861.33 | 3,841.61 | 19.72 | 195.766 | | | |
| 4,300.00 | 4,269.99 | 4,231.10 | 4,228.57 | 12.09 | 9.69 | -144.05 | -857.46 | -3,439.46 | 3,872.31 | 3,852.08 | 20.23 | 191.412 | | | |
| 4,400.00 | 4,368.89 | 4,330.35 | 4,327.76 | 12.44 | 9.92 | -144.13 | -854.00 | -3,439.46 | 3,883.29 | 3,862.55 | 20.74 | 187.270 | | | |
| 4,500.00 | 4,467.78 | 4,429.61 | 4,426.95 | 12.78 | 10.15 | -144.21 | -850.53 | -3,439.46 | 3,894.27 | 3,873.03 | 21.24 | 183.326 | | | |
| 4,600.00 | 4,566.68 | 4,528.86 | 4,526.14 | 13.13 | 10.38 | -144.29 | -847.07 | -3,439.46 | 3,905.27 | 3,883.52 | 21.75 | 179.566 | | | |
| 4,700.00 | 4,665.57 | 4,628.11 | 4,625.33 | 13.48 | 10.61 | -144.37 | -843.61 | -3,439.45 | 3,916.27 | 3,894.02 | 22.25 | 175.977 | | | |
| 4,800.00 | 4,764.47 | 4,727.36 | 4,724.52 | 13.82 | 10.84 | -144.45 | -840.14 | -3,439.45 | 3,927.28 | 3,904.52 | 22.76 | 172.547 | | | |
| 4,900.00 | 4,863.36 | 4,826.61 | 4,823.71 | 14.17 | 11.07 | -144.52 | -836.68 | -3,439.45 | 3,938.30 | 3,915.03 | 23.27 | 169.268 | | | |
| 5,000.00 | 4,962.26 | 4,925.86 | 4,922.90 | 14.52 | 11.30 | -144.60 | -833.21 | -3,439.45 | 3,949.32 | 3,925.55 | 23.77 | 166.129 | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.00 ft | | |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--|---------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | WELD_CAMP 5 PAD - SHIELDS J V 2 offset - SHIELDS J V 2 - SHIELDS J V 2 | | Offset Well Error: | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | | |
| 5,100.00 | 5,061.15 | 5,025.11 | 5,022.09 | 14.87 | 11.53 | -144.68 | -829.75 | -3,439.45 | 3,960.35 | 3,936.07 | 24.28 | 163.121 | | | | |
| 5,200.00 | 5,160.05 | 5,124.36 | 5,121.28 | 15.21 | 11.76 | -144.75 | -826.29 | -3,439.45 | 3,971.39 | 3,946.60 | 24.78 | 160.237 | | | | |
| 5,300.00 | 5,258.94 | 5,223.62 | 5,220.47 | 15.56 | 11.99 | -144.83 | -822.82 | -3,439.45 | 3,982.43 | 3,957.14 | 25.29 | 157.469 | | | | |
| 5,400.00 | 5,357.84 | 5,322.87 | 5,319.66 | 15.91 | 12.22 | -144.90 | -819.36 | -3,439.45 | 3,993.48 | 3,967.69 | 25.80 | 154.810 | | | | |
| 5,500.00 | 5,456.73 | 5,422.12 | 5,418.86 | 16.26 | 12.45 | -144.98 | -815.90 | -3,439.45 | 4,004.54 | 3,978.24 | 26.30 | 152.255 | | | | |
| 5,600.00 | 5,555.63 | 5,521.37 | 5,518.05 | 16.61 | 12.68 | -145.05 | -812.43 | -3,439.45 | 4,015.61 | 3,988.80 | 26.81 | 149.796 | | | | |
| 5,700.00 | 5,654.52 | 5,620.62 | 5,617.24 | 16.96 | 12.91 | -145.13 | -808.97 | -3,439.45 | 4,026.68 | 3,999.37 | 27.31 | 147.430 | | | | |
| 5,800.00 | 5,753.42 | 5,719.87 | 5,716.43 | 17.31 | 13.14 | -145.20 | -805.50 | -3,439.45 | 4,037.76 | 4,009.94 | 27.82 | 145.150 | | | | |
| 5,900.00 | 5,852.31 | 5,819.12 | 5,815.62 | 17.66 | 13.38 | -145.27 | -802.04 | -3,439.45 | 4,048.84 | 4,020.52 | 28.32 | 142.952 | | | | |
| 6,000.00 | 5,951.21 | 5,918.37 | 5,914.81 | 18.01 | 13.61 | -145.35 | -798.58 | -3,439.45 | 4,059.93 | 4,031.10 | 28.83 | 140.833 | | | | |
| 6,100.00 | 6,050.10 | 6,017.63 | 6,014.00 | 18.36 | 13.84 | -145.42 | -795.11 | -3,439.45 | 4,071.03 | 4,041.70 | 29.33 | 138.787 | | | | |
| 6,200.00 | 6,149.00 | 6,116.88 | 6,113.19 | 18.71 | 14.07 | -145.49 | -791.65 | -3,439.45 | 4,082.13 | 4,052.29 | 29.84 | 136.811 | | | | |
| 6,300.00 | 6,247.89 | 6,216.13 | 6,212.38 | 19.06 | 14.30 | -145.56 | -788.19 | -3,439.45 | 4,093.24 | 4,062.90 | 30.34 | 134.902 | | | | |
| 6,400.00 | 6,346.79 | 6,315.38 | 6,311.57 | 19.41 | 14.53 | -145.63 | -784.72 | -3,439.45 | 4,104.36 | 4,073.51 | 30.85 | 133.056 | | | | |
| 6,500.00 | 6,445.68 | 6,414.63 | 6,410.76 | 19.76 | 14.76 | -145.70 | -781.26 | -3,439.45 | 4,115.48 | 4,084.13 | 31.35 | 131.270 | | | | |
| 6,600.00 | 6,544.58 | 6,513.88 | 6,509.95 | 20.11 | 14.99 | -145.77 | -777.79 | -3,439.45 | 4,126.61 | 4,094.75 | 31.86 | 129.541 | | | | |
| 6,700.00 | 6,643.53 | 6,613.17 | 6,609.18 | 20.44 | 15.22 | -159.16 | -774.33 | -3,439.45 | 4,137.56 | 4,105.21 | 32.36 | 127.878 | | | | |
| 6,800.00 | 6,743.00 | 6,712.54 | 6,708.49 | 20.62 | 15.45 | 112.14 | -770.86 | -3,439.44 | 4,144.35 | 4,111.61 | 32.75 | 126.561 | | | | |
| 6,900.00 | 6,840.75 | 6,809.59 | 6,805.48 | 20.64 | 15.67 | 88.65 | -767.47 | -3,439.44 | 4,145.32 | 4,112.31 | 33.01 | 125.575 | | | | |
| 7,000.00 | 6,933.82 | 6,901.36 | 6,897.20 | 20.54 | 15.88 | 82.96 | -764.27 | -3,439.44 | 4,140.70 | 4,107.52 | 33.17 | 124.817 | | | | |
| 7,100.00 | 7,019.36 | 6,985.08 | 6,980.86 | 20.31 | 16.08 | 81.58 | -761.35 | -3,439.44 | 4,131.05 | 4,097.77 | 33.29 | 124.107 | | | | |
| 7,200.00 | 7,094.79 | 7,058.19 | 7,053.93 | 20.01 | 16.25 | 82.02 | -758.80 | -3,439.44 | 4,117.21 | 4,083.81 | 33.40 | 123.287 | | | | |
| 7,300.00 | 7,157.81 | 7,118.47 | 7,114.18 | 19.66 | 16.39 | 83.43 | -756.69 | -3,439.44 | 4,100.17 | 4,066.64 | 33.53 | 122.298 | | | | |
| 7,400.00 | 7,206.51 | 7,164.10 | 7,159.78 | 19.29 | 16.49 | 85.35 | -755.10 | -3,439.44 | 4,081.00 | 4,047.32 | 33.68 | 121.170 | | | | |
| 7,500.00 | 7,239.40 | 7,193.69 | 7,189.34 | 18.94 | 16.56 | 87.46 | -754.07 | -3,439.44 | 4,060.80 | 4,026.94 | 33.85 | 119.949 | | | | |
| 7,600.00 | 7,255.49 | 7,206.33 | 7,201.98 | 18.63 | 16.59 | 89.55 | -753.63 | -3,439.44 | 4,040.50 | 4,006.44 | 34.06 | 118.628 | | | | |
| 7,700.00 | 7,256.04 | 7,203.38 | 7,199.04 | 18.39 | 16.58 | 90.61 | -753.73 | -3,439.44 | 4,021.04 | 3,986.72 | 34.31 | 117.184 | | | | |
| 7,800.00 | 7,253.91 | 7,197.77 | 7,193.42 | 18.51 | 16.57 | 90.53 | -753.93 | -3,439.44 | 4,003.76 | 3,969.04 | 34.72 | 115.331 | | | | |
| 7,900.00 | 7,251.78 | 7,192.15 | 7,187.81 | 19.20 | 16.56 | 90.44 | -754.12 | -3,439.44 | 3,988.90 | 3,953.60 | 35.30 | 112.990 | | | | |
| 8,000.00 | 7,249.65 | 7,186.54 | 7,182.20 | 20.08 | 16.55 | 90.36 | -754.32 | -3,439.44 | 3,976.50 | 3,940.42 | 36.08 | 110.225 | | | | |
| 8,100.00 | 7,247.53 | 7,180.92 | 7,176.59 | 21.07 | 16.53 | 90.28 | -754.51 | -3,439.44 | 3,966.57 | 3,929.50 | 37.07 | 107.000 | | | | |
| 8,200.00 | 7,245.40 | 7,175.30 | 7,170.97 | 22.17 | 16.52 | 90.20 | -754.71 | -3,439.44 | 3,959.13 | 3,920.94 | 38.20 | 103.654 | | | | |
| 8,300.00 | 7,243.27 | 7,169.69 | 7,165.36 | 23.36 | 16.51 | 90.12 | -754.91 | -3,439.44 | 3,954.20 | 3,914.77 | 39.43 | 100.276 | | | | |
| 8,400.00 | 7,241.14 | 7,164.07 | 7,159.75 | 24.64 | 16.49 | 90.04 | -755.10 | -3,439.44 | 3,951.79 | 3,911.03 | 40.77 | 96.937 | | | | |
| 8,445.58 | 7,240.17 | 7,161.51 | 7,157.19 | 25.25 | 16.49 | 90.00 | -755.19 | -3,439.44 | 3,951.53 | 3,910.07 | 41.46 | 95.311 | | | | |
| 8,500.00 | 7,239.01 | 7,158.46 | 7,154.14 | 25.98 | 16.48 | 89.96 | -755.30 | -3,439.44 | 3,951.91 | 3,909.72 | 42.18 | 93.688 | | | | |
| 8,600.00 | 7,236.89 | 7,152.84 | 7,148.52 | 27.39 | 16.47 | 89.87 | -755.49 | -3,439.44 | 3,954.54 | 3,910.87 | 43.67 | 90.563 | | | | |
| 8,700.00 | 7,234.76 | 7,147.23 | 7,142.91 | 28.85 | 16.45 | 89.79 | -755.69 | -3,439.44 | 3,959.69 | 3,914.48 | 45.21 | 87.586 | | | | |
| 8,800.00 | 7,232.63 | 7,141.61 | 7,137.30 | 30.36 | 16.44 | 89.71 | -755.89 | -3,439.44 | 3,967.35 | 3,920.54 | 46.80 | 84.768 | | | | |
| 8,900.00 | 7,230.50 | 7,135.99 | 7,131.69 | 31.91 | 16.43 | 89.63 | -756.08 | -3,439.44 | 3,977.49 | 3,929.06 | 48.44 | 82.115 | | | | |
| 9,000.00 | 7,228.38 | 7,130.38 | 7,126.08 | 33.49 | 16.41 | 89.55 | -756.28 | -3,439.44 | 3,990.12 | 3,940.00 | 50.11 | 79.626 | | | | |
| 9,100.00 | 7,226.25 | 7,124.76 | 7,120.46 | 35.11 | 16.40 | 89.47 | -756.47 | -3,439.44 | 4,005.19 | 3,953.37 | 51.81 | 77.298 | | | | |
| 9,200.00 | 7,224.12 | 7,119.15 | 7,114.85 | 36.75 | 16.39 | 89.39 | -756.67 | -3,439.44 | 4,022.68 | 3,969.14 | 53.55 | 75.125 | | | | |
| 9,300.00 | 7,221.99 | 7,113.53 | 7,109.24 | 38.41 | 16.38 | 89.31 | -756.87 | -3,439.44 | 4,042.57 | 3,987.27 | 55.30 | 73.101 | | | | |
| 9,400.00 | 7,219.86 | 7,107.92 | 7,103.63 | 40.10 | 16.36 | 89.22 | -757.06 | -3,439.44 | 4,064.81 | 4,007.73 | 57.08 | 71.217 | | | | |
| 9,500.00 | 7,217.74 | 7,102.30 | 7,098.01 | 41.80 | 16.35 | 89.14 | -757.26 | -3,439.44 | 4,089.37 | 4,030.50 | 58.87 | 69.465 | | | | |
| 9,600.00 | 7,215.61 | 7,096.68 | 7,092.40 | 43.53 | 16.34 | 89.06 | -757.45 | -3,439.44 | 4,116.20 | 4,055.52 | 60.68 | 67.836 | | | | |
| 9,700.00 | 7,213.48 | 7,091.07 | 7,086.79 | 45.26 | 16.32 | 88.98 | -757.65 | -3,439.44 | 4,145.27 | 4,082.76 | 62.50 | 66.322 | | | | |
| 9,800.00 | 7,211.35 | 7,085.45 | 7,081.18 | 47.01 | 16.31 | 88.90 | -757.85 | -3,439.44 | 4,176.52 | 4,112.18 | 64.34 | 64.916 | | | | |
| 9,900.00 | 7,209.22 | 7,079.84 | 7,075.57 | 48.77 | 16.30 | 88.82 | -758.04 | -3,439.44 | 4,209.90 | 4,143.72 | 66.18 | 63.610 | | | | |
| 10,000.00 | 7,207.10 | 7,074.22 | 7,069.95 | 50.54 | 16.28 | 88.74 | -758.24 | -3,439.44 | 4,245.38 | 4,177.34 | 68.04 | 62.396 | | | | |
| 10,100.00 | 7,204.97 | 7,068.61 | 7,064.34 | 52.32 | 16.27 | 88.66 | -758.43 | -3,439.44 | 4,282.88 | 4,212.98 | 69.90 | 61.268 | | | | |

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

Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | Offset Site Error: | 0.00 ft | |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|--------------------|-------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | Offset Well Error: | | 0.00 ft |
| Reference | | Offset | | Semi Major Axis | | Distance | | | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | | Separation Factor | |
| 10,200.00 | 7,202.84 | 7,062.99 | 7,058.73 | 54.11 | 16.26 | 88.57 | -758.63 | -3,439.44 | 4,322.37 | 4,250.60 | 71.78 | 60.220 | | |
| 10,300.00 | 7,200.71 | 7,057.38 | 7,053.12 | 55.91 | 16.25 | 88.49 | -758.83 | -3,439.44 | 4,363.79 | 4,290.13 | 73.66 | 59.246 | | |
| 10,400.00 | 7,198.59 | 7,051.76 | 7,047.50 | 57.72 | 16.23 | 88.41 | -759.02 | -3,439.44 | 4,407.08 | 4,331.54 | 75.54 | 58.340 | | |
| 10,500.00 | 7,196.46 | 7,046.14 | 7,041.89 | 59.53 | 16.22 | 88.33 | -759.22 | -3,439.44 | 4,452.19 | 4,374.75 | 77.43 | 57.498 | | |
| 10,600.00 | 7,194.33 | 7,040.53 | 7,036.28 | 61.34 | 16.21 | 88.25 | -759.41 | -3,439.44 | 4,499.06 | 4,419.73 | 79.33 | 56.714 | | |
| 10,700.00 | 7,192.20 | 7,034.91 | 7,030.67 | 63.17 | 16.19 | 88.17 | -759.61 | -3,439.44 | 4,547.64 | 4,466.41 | 81.23 | 55.985 | | |
| 10,800.00 | 7,190.07 | 7,029.30 | 7,025.06 | 64.99 | 16.18 | 88.09 | -759.81 | -3,439.44 | 4,597.87 | 4,514.74 | 83.13 | 55.306 | | |
| 10,900.00 | 7,187.95 | 7,023.68 | 7,019.44 | 66.83 | 16.17 | 88.01 | -760.00 | -3,439.44 | 4,649.71 | 4,564.67 | 85.04 | 54.674 | | |
| 11,000.00 | 7,185.82 | 7,018.07 | 7,013.83 | 68.66 | 16.15 | 87.92 | -760.20 | -3,439.44 | 4,703.10 | 4,616.14 | 86.96 | 54.086 | | |
| 11,100.00 | 7,183.69 | 7,012.45 | 7,008.22 | 70.50 | 16.14 | 87.84 | -760.39 | -3,439.44 | 4,757.98 | 4,669.11 | 88.87 | 53.537 | | |
| 11,200.00 | 7,181.56 | 7,006.83 | 7,002.61 | 72.35 | 16.13 | 87.76 | -760.59 | -3,439.44 | 4,814.30 | 4,723.51 | 90.79 | 53.027 | | |
| 11,300.00 | 7,179.44 | 7,001.22 | 6,996.99 | 74.19 | 16.12 | 87.68 | -760.79 | -3,439.44 | 4,872.03 | 4,779.32 | 92.71 | 52.550 | | |
| 11,400.00 | 7,177.31 | 6,995.60 | 6,991.38 | 76.04 | 16.10 | 87.60 | -760.98 | -3,439.44 | 4,931.09 | 4,836.46 | 94.64 | 52.106 | | |
| 11,500.00 | 7,175.18 | 6,989.99 | 6,985.77 | 77.90 | 16.09 | 87.52 | -761.18 | -3,439.44 | 4,991.46 | 4,894.90 | 96.56 | 51.692 | | |
| 11,600.00 | 7,173.05 | 6,984.37 | 6,980.16 | 79.75 | 16.08 | 87.44 | -761.37 | -3,439.44 | 5,053.08 | 4,954.59 | 98.49 | 51.306 | | |
| 11,700.00 | 7,170.92 | 6,978.76 | 6,974.54 | 81.61 | 16.06 | 87.36 | -761.57 | -3,439.44 | 5,115.90 | 5,015.49 | 100.42 | 50.946 | | |
| 11,800.00 | 7,168.80 | 6,973.14 | 6,968.93 | 83.47 | 16.05 | 87.28 | -761.77 | -3,439.44 | 5,179.89 | 5,077.54 | 102.35 | 50.610 | | |
| 11,837.41 | 7,168.00 | 6,971.04 | 6,966.83 | 84.17 | 16.05 | 87.24 | -761.84 | -3,439.44 | 5,204.12 | 5,101.05 | 103.07 | 50.490 SF | | |

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

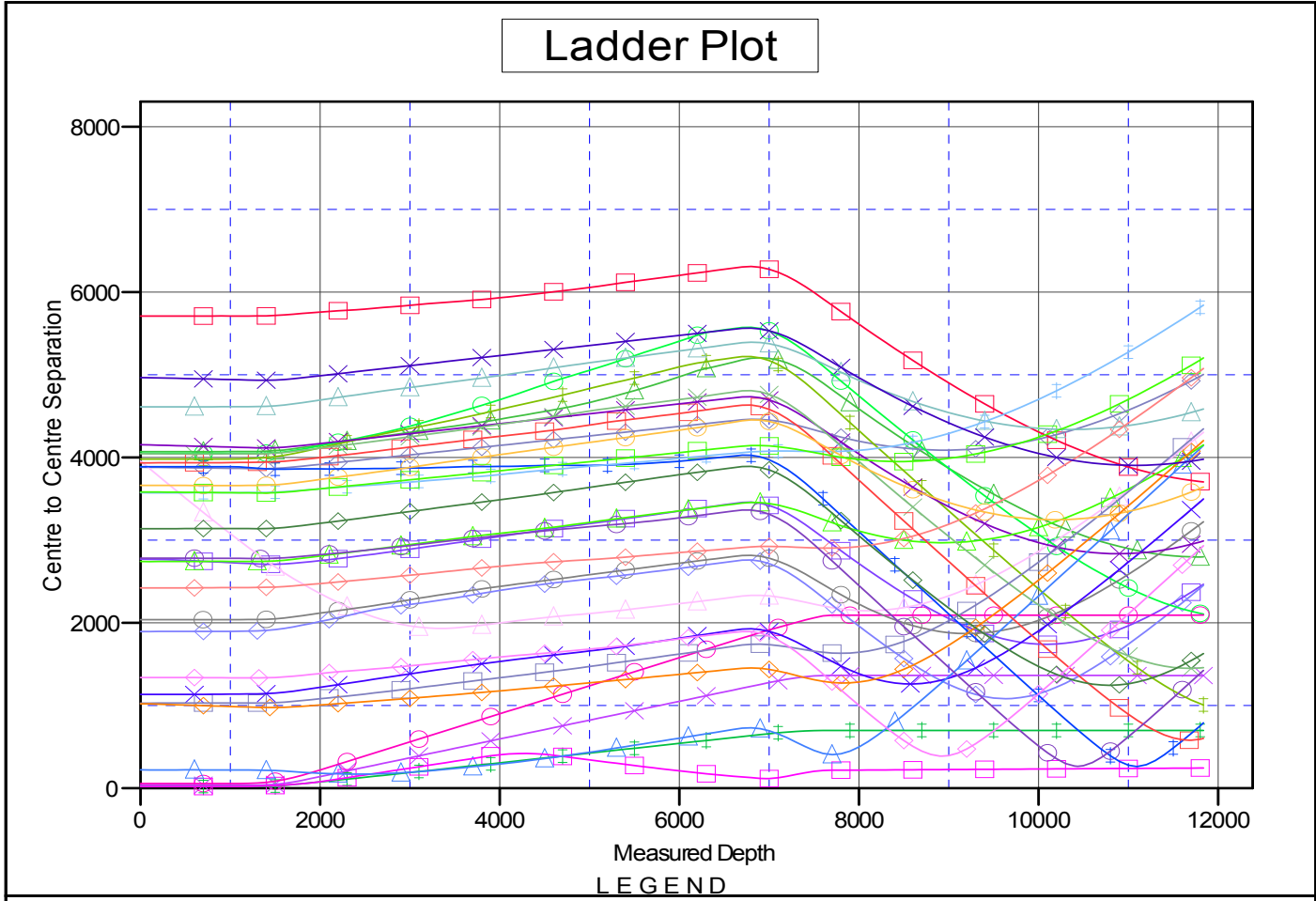
Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

Reference Depths are relative to 25' RKB + 5014' GL @ 5039.00ft
 Offset Depths are relative to Offset Datum
 Central Meridian is -105.500000

Coordinates are relative to: CAMP 38N-26HZR
 Coordinate System is US State Plane 1983, Colorado Northern Zone
 Grid Convergence at Surface is: 0.49°



- CAMP 38C-26HZ, CAMP 38C-26HZ, CAMP 38C-26HZ (wp03) H&P 307 V0
- CAMP 39-26 offset, CAMP 39-26, CAMP 39-26 V0
- CAMP 7-26 offset, CAMP 7-26, CAMP 7-26 V0
- ✕ CAMP LEWIS C 1 offset, CAMP LEWIS C 1, CAMP LEWIS C 1 V0
- ✕ HSR-BEIERIE 14-26 offset, HSR-BEIERIE 14-26, HSR-BEIERIE 14-26 V0
- ▲ HSR-BLACKFORD 1-26 offset, HSR-BLACKFORD 1-26, HSR-BLACKFORD 1-26 V0
- ▲ HSR-CAMPBELL 12-26A offset, HSR-CAMPBELL 12-26A, HSR-CAMPBELL 12-26A V0
- ▲ HSR-FOGELMAN 6-26 offset, HSR-FOGELMAN 6-26, HSR-FOGELMAN 6-26 V0
- ✕ HSR-MILLS 15-26 offset, HSR-MILLS 15-26, HSR-MILLS 15-26 V0
- ▲ HSR-ROZEIMA 4-26 offset, HSR-ROZEIMA 4-26, HSR-ROZEIMA 4-26 V0
- HSR-SHOWALTER 16-26
- HSR-Sinton 2-26 offset, HSR
- HSR-SKELLY 9-26 offset, H
- HSR-STUBBEN 11-26 offs
- ◆ HSR-TERRY 8-26 offset, H
- ◆ HSR-THOMPSON 2-26 of
- ✕ JV SHIELDS GAS 1 offset,
- ◆ LEWIS CAMP-C 2 offset, LI
- SHIELDS JV 2 offset, SHIE

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

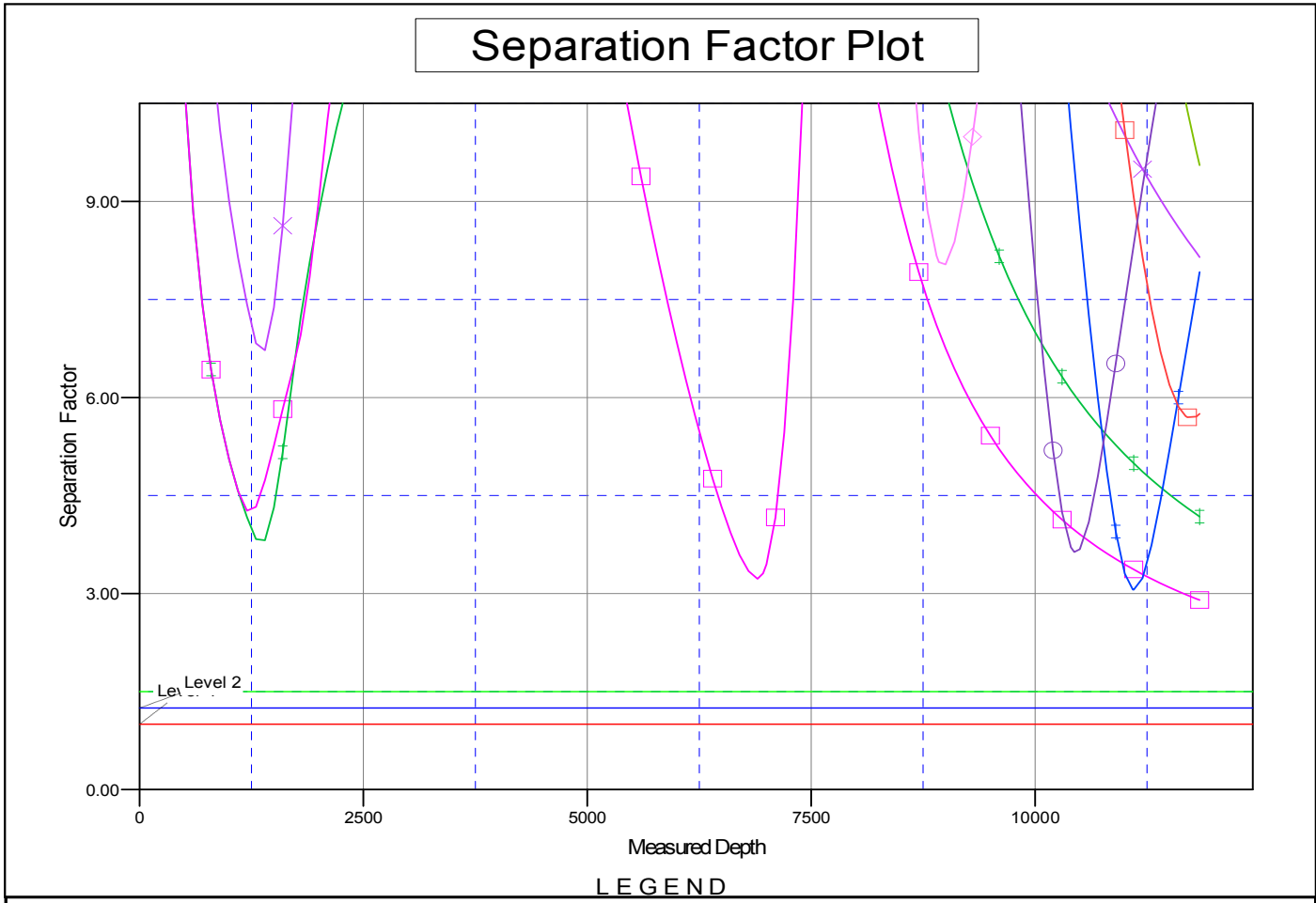
Anadarko Petroleum Corp

Anticollision Report

| | | | |
|---------------------------|-------------------------------|-------------------------------------|--------------------------------|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well CAMP 38N-26HZR |
| Project: | COLORADO NORTHERN ZONE - 83 | TVD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Reference Site: | WELD_CAMP 5 PAD | MD Reference: | 25' RKB + 5014' GL @ 5039.00ft |
| Site Error: | 0.00 ft | North Reference: | True |
| Reference Well: | CAMP 38N-26HZR | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.00 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | CAMP 38N-26HZR | Database: | edmp |
| Reference Design: | CAMP 38N-26HZR (wp04) H&P 307 | Offset TVD Reference: | Offset Datum |

Reference Depths are relative to 25' RKB + 5014' GL @ 5039.00ft
 Offset Depths are relative to Offset Datum
 Central Meridian is -105.500000

Coordinates are relative to: CAMP 38N-26HZR
 Coordinate System is US State Plane 1983, Colorado Northern Zone
 Grid Convergence at Surface is: 0.49°



LEGEND

- | | |
|---|---|
| <ul style="list-style-type: none"> ■ CAMP 38C-26HZ, CAMP 38C-26HZ, CAMP 38C-26HZ (wp03) H&P 307 V0 ■ CAMP 39-26 offset, CAMP 39-26, CAMP 39-26 V0 ● CAMP 7-26 offset, CAMP 7-26, CAMP 7-26 V0 ✕ CAMP LEWIS C 1 offset, CAMP LEWIS C 1, CAMP LEWIS C 1 V0 ✕ HSR-BEIERIE 14-26 offset, HSR-BEIERIE 14-26, HSR-BEIERIE 14-26 V0 ▲ HSR-BLACKFORD 1-26 offset, HSR-BLACKFORD 1-26, HSR-BLACKFORD 1-26 V0 ▲ HSR-CAMPBELL 12-26A offset, HSR-CAMPBELL 12-26A, HSR-CAMPBELL 12-26A V0 ▲ HSR-FOGELMAN 6-26 offset, HSR-FOGELMAN 6-26, HSR-FOGELMAN 6-26 V0 ✕ HSR-MILLS 15-26 offset, HSR-MILLS 15-26, HSR-MILLS 15-26 V0 ■ HSR-ROZEIMA 4-26 offset, HSR-ROZEIMA 4-26, HSR-ROZEIMA 4-26 V0 | <ul style="list-style-type: none"> ■ HSR-SHOWALTER 16-26 ■ HSR-Sinton 2-26 offset, HSR-Sinton 2-26 V0 ● HSR-SKELLY 9-26 offset, HSR-SKELLY 9-26 V0 ● HSR-STUBBEN 11-26 offset, HSR-STUBBEN 11-26 V0 ● HSR-TERRY 8-26 offset, HSR-TERRY 8-26 V0 ● HSR-THOMPSON 2-26 offset, HSR-THOMPSON 2-26 V0 ✕ JV SHIELDS GAS 1 offset, JV SHIELDS GAS 1 V0 ● LEWIS CAMP-C2 offset, LEWIS CAMP-C2 V0 ■ SHIELDS JV 2 offset, SHIELDS JV 2 V0 |
|---|---|

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