

PETROLEUM DEVELOPMENT CORP DJ Basin

Well Name: **Bihain 26G-212**

Surface Location: Bihain 5N64W26GK Pad Sec.26-T5N-R64W

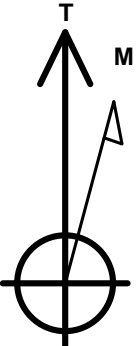
North American Datum 1983 , US State Plane 1983, Colorado Northern Zone

Ground Elevation: 4604.0

+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.0 0.0 1379533.90 3271739.44 40.371120 -104.524707
RKB - 13' WELL @ 4617.0ft (RKB - 13')

DESIGN TARGET DETAILS

| | | | | |
|---------------------------------|--------|-------|--------|-------|
| Name | TVD | +N/-S | +E/-W | Shape |
| SHL 2369'FNL & 473'FWL, Sec.26 | 1.0 | 0.0 | 0.0 | Point |
| BHL 2170'FNL & 2140'FWL, Sec.25 | 6508.0 | 149.3 | 6944.8 | Point |



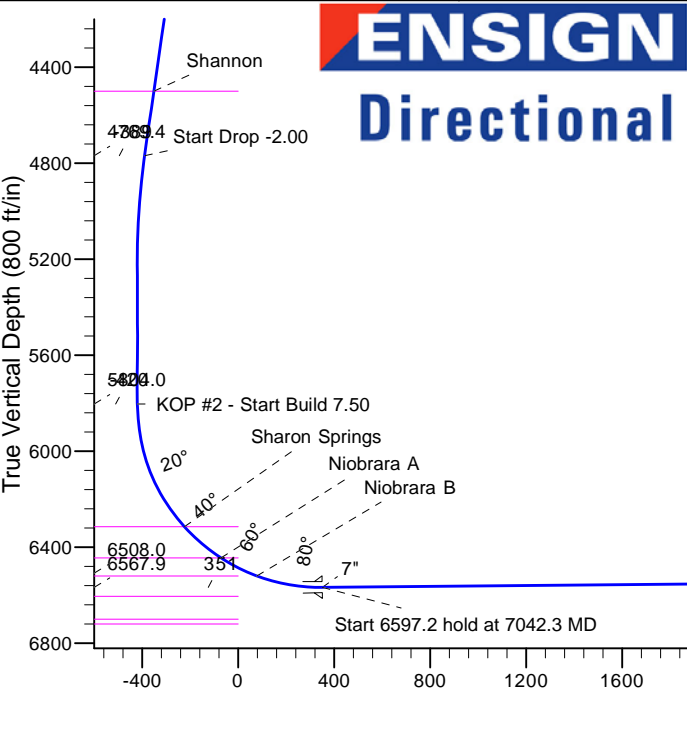
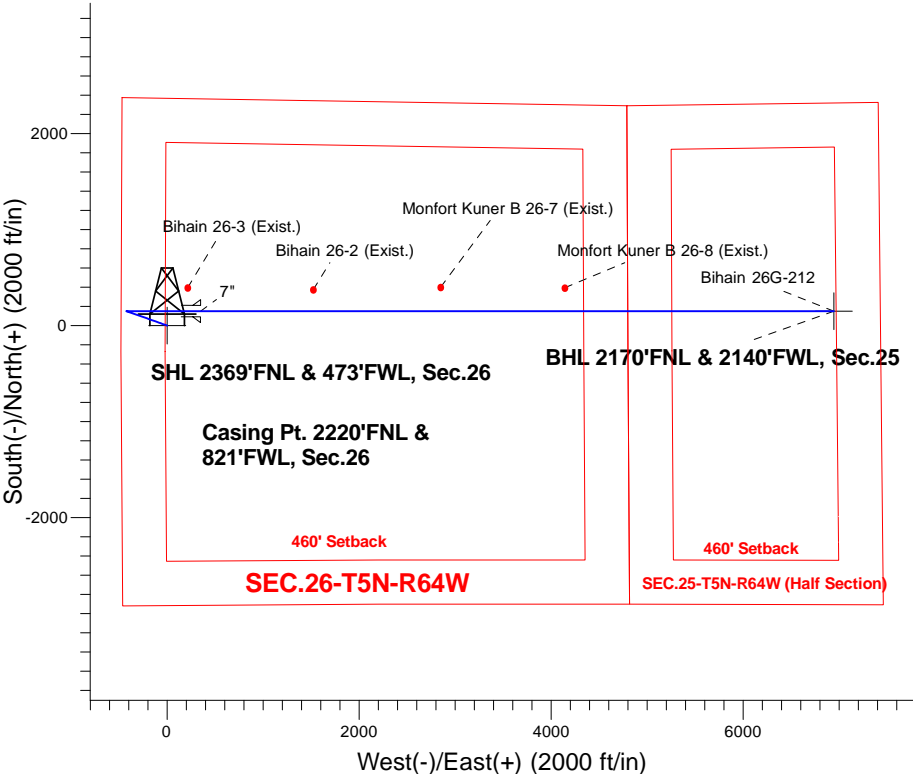
Azimuths to True North
Magnetic North: 8.14°

Magnetic Field
Strength: 52680.9snT
Dip Angle: 66.91°
Date: 11/2/2015
Model: IGRF2010

Bihain 5N64W26GK Pad Sec.26-T5N-R64W
Bihain 26G-212
Plan #1 (11-2-15)
14:40, November 04 2015

ANNOTATIONS

| TVD | MD | Annotation |
|--------|---------|--------------------------------|
| 1600.0 | 1600.0 | KOP - Start Build 1.00 |
| 4769.4 | 4799.2 | Start Drop -2.00 |
| 5804.0 | 5835.4 | KOP #2 - Start Build 7.50 |
| 6567.9 | 7042.3 | Start 6597.2 hold at 7042.3 MD |
| 6508.0 | 13639.5 | TD at 13639.5 |



SECTION DETAILS

| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSect | Target |
|-----|---------|-------|--------|--------|-------|--------|------|--------|--------|---------------------------------|
| 1 | 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 2 | 1600.0 | 0.00 | 0.00 | 1600.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 3 | 2464.5 | 8.64 | 289.44 | 2461.2 | 21.7 | -61.4 | 1.00 | 289.44 | -60.9 | |
| 4 | 4799.2 | 8.64 | 289.44 | 4769.4 | 138.5 | -392.3 | 0.00 | 0.00 | -389.2 | |
| 5 | 5231.4 | 0.00 | 0.00 | 5200.0 | 149.3 | -423.0 | 2.00 | 180.00 | -419.7 | |
| 6 | 5835.4 | 0.00 | 0.00 | 5804.0 | 149.3 | -423.0 | 0.00 | 0.00 | -419.7 | |
| 7 | 7042.3 | 90.52 | 90.00 | 6567.9 | 149.3 | 347.9 | 7.50 | 90.00 | 351.0 | |
| 8 | 13639.5 | 90.52 | 90.00 | 6508.0 | 149.3 | 6944.8 | 0.00 | 0.00 | 6946.4 | BHL 2170'FNL & 2140'FWL, Sec.25 |

BHL 2170'FNL & 2140'FWL, Sec.25

TD at 13639.5



Directional

PETROLEUM DEVELOPMENT CORP DJ Basin

SEC.26-T5N-R64W

Bihain 5N64W26GK Pad Sec.26-T5N-R64W

Bihain 26G-212

Wellbore #1

Plan: Plan #1 (11-2-15)

Standard Planning Report

04 November, 2015

| | | | |
|------------------|--------------------------------------|-------------------------------------|-----------------------------|
| Database: | US_EDM | Local Co-ordinate Reference: | Well Bihain 26G-212 |
| Company: | PETROLEUM DEVELOPMENT CORP DJ Basin | TVD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Project: | SEC.26-T5N-R64W | MD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Site: | Bihain 5N64W26GK Pad Sec.26-T5N-R64W | North Reference: | True |
| Well: | Bihain 26G-212 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 (11-2-15) | | |

| | | | |
|--------------------|----------------------------------|----------------------|-----------------------------|
| Project | SEC.26-T5N-R64W, Weld County, CO | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | Using Well Reference Point |
| Map Zone: | Colorado Northern Zone | | Using geodetic scale factor |

| | | | |
|------------------------------|--------------------------------------|--------------------------|-------------------|
| Site | Bihain 5N64W26GK Pad Sec.26-T5N-R64W | | |
| Site Position: | | Northing: | 1,379,524.57 usft |
| From: | Lat/Long | Easting: | 3,271,750.97 usft |
| Position Uncertainty: | 0.0 ft | Slot Radius: | 13-3/16 " |
| | | Latitude: | 40.371094 |
| | | Longitude: | -104.524666 |
| | | Grid Convergence: | 0.63 ° |

| | | | |
|-----------------------------|----------------|----------------------------|------------------|
| Well | Bihain 26G-212 | | |
| Well Position | +N/-S | 9.5 ft | Northing: |
| | +E/-W | -11.4 ft | Easting: |
| Position Uncertainty | 0.0 ft | Wellhead Elevation: | 0.0 ft |
| | | Latitude: | 40.371120 |
| | | Longitude: | -104.524707 |
| | | Ground Level: | 4,604.0 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Wellbore #1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2010 | 11/2/2015 | 8.14 | 66.91 | 52,681 |

| | | | | |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| Design | Plan #1 (11-2-15) | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PROTOTYPE | Tie On Depth: | 0.0 |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) |
| | 0.0 | 0.0 | 0.0 | 88.77 |

| 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 |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,600.0 | 0.00 | 0.00 | 1,600.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2,464.5 | 8.64 | 289.44 | 2,461.2 | 21.7 | -61.4 | 1.00 | 1.00 | 0.00 | 289.44 | |
| 4,799.2 | 8.64 | 289.44 | 4,769.4 | 138.5 | -392.3 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5,231.4 | 0.00 | 0.00 | 5,200.0 | 149.3 | -423.0 | 2.00 | -2.00 | 0.00 | 180.00 | |
| 5,835.4 | 0.00 | 0.00 | 5,804.0 | 149.3 | -423.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7,042.3 | 90.52 | 90.00 | 6,567.9 | 149.3 | 347.9 | 7.50 | 7.50 | 0.00 | 90.00 | |
| 13,639.5 | 90.52 | 90.00 | 6,508.0 | 149.3 | 6,944.8 | 0.00 | 0.00 | 0.00 | 0.00 | BHL 2170'FNL & 214C |

| | | | |
|-----------|--------------------------------------|------------------------------|-----------------------------|
| Database: | US_EDM | Local Co-ordinate Reference: | Well Bihain 26G-212 |
| Company: | PETROLEUM DEVELOPMENT CORP DJ Basin | TVD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Project: | SEC.26-T5N-R64W | MD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Site: | Bihain 5N64W26GK Pad Sec.26-T5N-R64W | North Reference: | True |
| Well: | Bihain 26G-212 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 (11-2-15) | | |

| 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) |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1.0 | 0.00 | 0.00 | 1.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| SHL 2369'FNL & 473'FWL, Sec.26 | | | | | | | | | |
| 100.0 | 0.00 | 0.00 | 100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 300.0 | 0.00 | 0.00 | 300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 400.0 | 0.00 | 0.00 | 400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 500.0 | 0.00 | 0.00 | 500.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 600.0 | 0.00 | 0.00 | 600.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 700.0 | 0.00 | 0.00 | 700.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 800.0 | 0.00 | 0.00 | 800.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 900.0 | 0.00 | 0.00 | 900.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,000.0 | 0.00 | 0.00 | 1,000.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,100.0 | 0.00 | 0.00 | 1,100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,200.0 | 0.00 | 0.00 | 1,200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,300.0 | 0.00 | 0.00 | 1,300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,400.0 | 0.00 | 0.00 | 1,400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,500.0 | 0.00 | 0.00 | 1,500.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,600.0 | 0.00 | 0.00 | 1,600.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| KOP - Start Build 1.00 | | | | | | | | | |
| 1,700.0 | 1.00 | 289.44 | 1,700.0 | 0.3 | -0.8 | -0.8 | 1.00 | 1.00 | 0.00 |
| 1,800.0 | 2.00 | 289.44 | 1,800.0 | 1.2 | -3.3 | -3.3 | 1.00 | 1.00 | 0.00 |
| 1,900.0 | 3.00 | 289.44 | 1,899.9 | 2.6 | -7.4 | -7.3 | 1.00 | 1.00 | 0.00 |
| 2,000.0 | 4.00 | 289.44 | 1,999.7 | 4.6 | -13.2 | -13.1 | 1.00 | 1.00 | 0.00 |
| 2,100.0 | 5.00 | 289.44 | 2,099.4 | 7.3 | -20.6 | -20.4 | 1.00 | 1.00 | 0.00 |
| 2,200.0 | 6.00 | 289.44 | 2,198.9 | 10.4 | -29.6 | -29.4 | 1.00 | 1.00 | 0.00 |
| 2,300.0 | 7.00 | 289.44 | 2,298.3 | 14.2 | -40.3 | -40.0 | 1.00 | 1.00 | 0.00 |
| 2,400.0 | 8.00 | 289.44 | 2,397.4 | 18.6 | -52.6 | -52.2 | 1.00 | 1.00 | 0.00 |
| 2,464.5 | 8.64 | 289.44 | 2,461.2 | 21.7 | -61.4 | -60.9 | 1.00 | 1.00 | 0.00 |
| 2,500.0 | 8.64 | 289.44 | 2,496.3 | 23.4 | -66.4 | -65.9 | 0.00 | 0.00 | 0.00 |
| 2,600.0 | 8.64 | 289.44 | 2,595.2 | 28.4 | -80.6 | -80.0 | 0.00 | 0.00 | 0.00 |
| 2,700.0 | 8.64 | 289.44 | 2,694.0 | 33.4 | -94.8 | -94.0 | 0.00 | 0.00 | 0.00 |
| 2,800.0 | 8.64 | 289.44 | 2,792.9 | 38.5 | -108.9 | -108.1 | 0.00 | 0.00 | 0.00 |
| 2,900.0 | 8.64 | 289.44 | 2,891.8 | 43.5 | -123.1 | -122.2 | 0.00 | 0.00 | 0.00 |
| 3,000.0 | 8.64 | 289.44 | 2,990.6 | 48.5 | -137.3 | -136.2 | 0.00 | 0.00 | 0.00 |
| 3,100.0 | 8.64 | 289.44 | 3,089.5 | 53.5 | -151.5 | -150.3 | 0.00 | 0.00 | 0.00 |
| 3,200.0 | 8.64 | 289.44 | 3,188.4 | 58.5 | -165.6 | -164.3 | 0.00 | 0.00 | 0.00 |
| 3,300.0 | 8.64 | 289.44 | 3,287.2 | 63.5 | -179.8 | -178.4 | 0.00 | 0.00 | 0.00 |
| 3,400.0 | 8.64 | 289.44 | 3,386.1 | 68.5 | -194.0 | -192.5 | 0.00 | 0.00 | 0.00 |
| 3,414.1 | 8.64 | 289.44 | 3,400.0 | 69.2 | -196.0 | -194.4 | 0.00 | 0.00 | 0.00 |
| Parkman | | | | | | | | | |
| 3,500.0 | 8.64 | 289.44 | 3,485.0 | 73.5 | -208.2 | -206.5 | 0.00 | 0.00 | 0.00 |
| 3,600.0 | 8.64 | 289.44 | 3,583.8 | 78.5 | -222.3 | -220.6 | 0.00 | 0.00 | 0.00 |
| 3,700.0 | 8.64 | 289.44 | 3,682.7 | 83.5 | -236.5 | -234.7 | 0.00 | 0.00 | 0.00 |
| 3,800.0 | 8.64 | 289.44 | 3,781.6 | 88.5 | -250.7 | -248.7 | 0.00 | 0.00 | 0.00 |
| 3,900.0 | 8.64 | 289.44 | 3,880.4 | 93.5 | -264.9 | -262.8 | 0.00 | 0.00 | 0.00 |
| 4,000.0 | 8.64 | 289.44 | 3,979.3 | 98.5 | -279.0 | -276.8 | 0.00 | 0.00 | 0.00 |
| 4,100.0 | 8.64 | 289.44 | 4,078.1 | 103.5 | -293.2 | -290.9 | 0.00 | 0.00 | 0.00 |
| 4,127.2 | 8.64 | 289.44 | 4,105.0 | 104.8 | -297.1 | -294.7 | 0.00 | 0.00 | 0.00 |
| Sussex | | | | | | | | | |
| 4,200.0 | 8.64 | 289.44 | 4,177.0 | 108.5 | -307.4 | -305.0 | 0.00 | 0.00 | 0.00 |
| 4,300.0 | 8.64 | 289.44 | 4,275.9 | 113.5 | -321.6 | -319.0 | 0.00 | 0.00 | 0.00 |
| 4,400.0 | 8.64 | 289.44 | 4,374.7 | 118.5 | -335.7 | -333.1 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|--------------------------------------|-------------------------------------|-----------------------------|
| Database: | US_EDM | Local Co-ordinate Reference: | Well Bihain 26G-212 |
| Company: | PETROLEUM DEVELOPMENT CORP DJ Basin | TVD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Project: | SEC.26-T5N-R64W | MD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Site: | Bihain 5N64W26GK Pad Sec.26-T5N-R64W | North Reference: | True |
| Well: | Bihain 26G-212 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 (11-2-15) | | |

| 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) |
| 4,500.0 | 8.64 | 289.44 | 4,473.6 | 123.5 | -349.9 | -347.2 | 0.00 | 0.00 | 0.00 |
| 4,526.7 | 8.64 | 289.44 | 4,500.0 | 124.8 | -353.7 | -350.9 | 0.00 | 0.00 | 0.00 |
| Shannon | | | | | | | | | |
| 4,600.0 | 8.64 | 289.44 | 4,572.5 | 128.5 | -364.1 | -361.2 | 0.00 | 0.00 | 0.00 |
| 4,700.0 | 8.64 | 289.44 | 4,671.3 | 133.5 | -378.2 | -375.3 | 0.00 | 0.00 | 0.00 |
| 4,799.2 | 8.64 | 289.44 | 4,769.4 | 138.5 | -392.3 | -389.2 | 0.00 | 0.00 | 0.00 |
| Start Drop -2.00 | | | | | | | | | |
| 4,800.0 | 8.63 | 289.44 | 4,770.2 | 138.5 | -392.4 | -389.4 | 2.03 | -2.03 | 0.00 |
| 4,900.0 | 6.63 | 289.44 | 4,869.3 | 142.9 | -404.9 | -401.8 | 2.00 | -2.00 | 0.00 |
| 5,000.0 | 4.63 | 289.44 | 4,968.8 | 146.2 | -414.2 | -411.0 | 2.00 | -2.00 | 0.00 |
| 5,100.0 | 2.63 | 289.44 | 5,068.6 | 148.3 | -420.2 | -416.9 | 2.00 | -2.00 | 0.00 |
| 5,200.0 | 0.63 | 289.44 | 5,168.6 | 149.2 | -422.8 | -419.5 | 2.00 | -2.00 | 0.00 |
| 5,231.4 | 0.00 | 0.00 | 5,200.0 | 149.3 | -423.0 | -419.7 | 2.00 | -2.00 | 0.00 |
| 5,300.0 | 0.00 | 0.00 | 5,268.6 | 149.3 | -423.0 | -419.7 | 0.00 | 0.00 | 0.00 |
| 5,400.0 | 0.00 | 0.00 | 5,368.6 | 149.3 | -423.0 | -419.7 | 0.00 | 0.00 | 0.00 |
| 5,500.0 | 0.00 | 0.00 | 5,468.6 | 149.3 | -423.0 | -419.7 | 0.00 | 0.00 | 0.00 |
| 5,600.0 | 0.00 | 0.00 | 5,568.6 | 149.3 | -423.0 | -419.7 | 0.00 | 0.00 | 0.00 |
| 5,700.0 | 0.00 | 0.00 | 5,668.6 | 149.3 | -423.0 | -419.7 | 0.00 | 0.00 | 0.00 |
| 5,800.0 | 0.00 | 0.00 | 5,768.6 | 149.3 | -423.0 | -419.7 | 0.00 | 0.00 | 0.00 |
| 5,835.4 | 0.00 | 0.00 | 5,804.0 | 149.3 | -423.0 | -419.7 | 0.00 | 0.00 | 0.00 |
| KOP #2 - Start Build 7.50 | | | | | | | | | |
| 5,900.0 | 4.85 | 90.00 | 5,868.5 | 149.3 | -420.3 | -417.0 | 7.50 | 7.50 | 0.00 |
| 6,000.0 | 12.35 | 90.00 | 5,967.3 | 149.3 | -405.3 | -402.0 | 7.50 | 7.50 | 0.00 |
| 6,100.0 | 19.84 | 90.00 | 6,063.3 | 149.3 | -377.6 | -374.3 | 7.50 | 7.50 | 0.00 |
| 6,200.0 | 27.34 | 90.00 | 6,154.9 | 149.3 | -337.6 | -334.3 | 7.50 | 7.50 | 0.00 |
| 6,300.0 | 34.84 | 90.00 | 6,240.4 | 149.3 | -286.0 | -282.8 | 7.50 | 7.50 | 0.00 |
| 6,395.2 | 41.99 | 90.00 | 6,315.0 | 149.3 | -226.9 | -223.6 | 7.50 | 7.50 | 0.00 |
| Sharon Springs | | | | | | | | | |
| 6,400.0 | 42.34 | 90.00 | 6,318.5 | 149.3 | -223.7 | -220.4 | 7.50 | 7.50 | 0.00 |
| 6,500.0 | 49.84 | 90.00 | 6,387.8 | 149.3 | -151.7 | -148.4 | 7.50 | 7.50 | 0.00 |
| 6,596.0 | 57.05 | 90.00 | 6,445.0 | 149.3 | -74.6 | -71.4 | 7.50 | 7.50 | 0.00 |
| Niobrara A | | | | | | | | | |
| 6,600.0 | 57.34 | 90.00 | 6,447.2 | 149.3 | -71.3 | -68.0 | 7.50 | 7.50 | 0.00 |
| 6,700.0 | 64.84 | 90.00 | 6,495.5 | 149.3 | 16.2 | 19.4 | 7.50 | 7.50 | 0.00 |
| 6,763.4 | 69.60 | 90.00 | 6,520.0 | 149.3 | 74.7 | 77.9 | 7.50 | 7.50 | 0.00 |
| Niobrara B | | | | | | | | | |
| 6,800.0 | 72.34 | 90.00 | 6,531.9 | 149.3 | 109.3 | 112.4 | 7.50 | 7.50 | 0.00 |
| 6,900.0 | 79.84 | 90.00 | 6,555.9 | 149.3 | 206.3 | 209.4 | 7.50 | 7.50 | 0.00 |
| 7,000.0 | 87.34 | 90.00 | 6,567.1 | 149.3 | 305.6 | 308.7 | 7.50 | 7.50 | 0.00 |
| 7,042.3 | 90.52 | 90.00 | 6,567.9 | 149.3 | 347.8 | 351.0 | 7.50 | 7.50 | 0.00 |
| Start 6597.2 hold at 7042.3 MD - 7" | | | | | | | | | |
| 7,100.0 | 90.52 | 90.00 | 6,567.4 | 149.3 | 405.5 | 408.7 | 0.00 | 0.00 | 0.00 |
| 7,200.0 | 90.52 | 90.00 | 6,566.4 | 149.3 | 505.5 | 508.6 | 0.00 | 0.00 | 0.00 |
| 7,300.0 | 90.52 | 90.00 | 6,565.5 | 149.3 | 605.5 | 608.6 | 0.00 | 0.00 | 0.00 |
| 7,400.0 | 90.52 | 90.00 | 6,564.6 | 149.3 | 705.5 | 708.6 | 0.00 | 0.00 | 0.00 |
| 7,500.0 | 90.52 | 90.00 | 6,563.7 | 149.3 | 805.5 | 808.5 | 0.00 | 0.00 | 0.00 |
| 7,600.0 | 90.52 | 90.00 | 6,562.8 | 149.3 | 905.5 | 908.5 | 0.00 | 0.00 | 0.00 |
| 7,700.0 | 90.52 | 90.00 | 6,561.9 | 149.3 | 1,005.5 | 1,008.5 | 0.00 | 0.00 | 0.00 |
| 7,800.0 | 90.52 | 90.00 | 6,561.0 | 149.3 | 1,105.5 | 1,108.5 | 0.00 | 0.00 | 0.00 |
| 7,900.0 | 90.52 | 90.00 | 6,560.1 | 149.3 | 1,205.5 | 1,208.4 | 0.00 | 0.00 | 0.00 |
| 8,000.0 | 90.52 | 90.00 | 6,559.2 | 149.3 | 1,305.5 | 1,308.4 | 0.00 | 0.00 | 0.00 |
| 8,100.0 | 90.52 | 90.00 | 6,558.3 | 149.3 | 1,405.5 | 1,408.4 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|--------------------------------------|-------------------------------------|-----------------------------|
| Database: | US_EDM | Local Co-ordinate Reference: | Well Bihain 26G-212 |
| Company: | PETROLEUM DEVELOPMENT CORP DJ Basin | TVD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Project: | SEC.26-T5N-R64W | MD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Site: | Bihain 5N64W26GK Pad Sec.26-T5N-R64W | North Reference: | True |
| Well: | Bihain 26G-212 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 (11-2-15) | | |

| 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) |
| 8,200.0 | 90.52 | 90.00 | 6,557.4 | 149.3 | 1,505.5 | 1,508.4 | 0.00 | 0.00 | 0.00 |
| 8,300.0 | 90.52 | 90.00 | 6,556.5 | 149.3 | 1,605.5 | 1,608.3 | 0.00 | 0.00 | 0.00 |
| 8,400.0 | 90.52 | 90.00 | 6,555.6 | 149.3 | 1,705.5 | 1,708.3 | 0.00 | 0.00 | 0.00 |
| 8,500.0 | 90.52 | 90.00 | 6,554.6 | 149.3 | 1,805.5 | 1,808.3 | 0.00 | 0.00 | 0.00 |
| 8,600.0 | 90.52 | 90.00 | 6,553.7 | 149.3 | 1,905.5 | 1,908.2 | 0.00 | 0.00 | 0.00 |
| 8,700.0 | 90.52 | 90.00 | 6,552.8 | 149.3 | 2,005.5 | 2,008.2 | 0.00 | 0.00 | 0.00 |
| 8,800.0 | 90.52 | 90.00 | 6,551.9 | 149.3 | 2,105.5 | 2,108.2 | 0.00 | 0.00 | 0.00 |
| 8,900.0 | 90.52 | 90.00 | 6,551.0 | 149.3 | 2,205.5 | 2,208.2 | 0.00 | 0.00 | 0.00 |
| 9,000.0 | 90.52 | 90.00 | 6,550.1 | 149.3 | 2,305.5 | 2,308.1 | 0.00 | 0.00 | 0.00 |
| 9,100.0 | 90.52 | 90.00 | 6,549.2 | 149.3 | 2,405.5 | 2,408.1 | 0.00 | 0.00 | 0.00 |
| 9,200.0 | 90.52 | 90.00 | 6,548.3 | 149.3 | 2,505.5 | 2,508.1 | 0.00 | 0.00 | 0.00 |
| 9,300.0 | 90.52 | 90.00 | 6,547.4 | 149.3 | 2,605.5 | 2,608.1 | 0.00 | 0.00 | 0.00 |
| 9,400.0 | 90.52 | 90.00 | 6,546.5 | 149.3 | 2,705.4 | 2,708.0 | 0.00 | 0.00 | 0.00 |
| 9,500.0 | 90.52 | 90.00 | 6,545.6 | 149.3 | 2,805.4 | 2,808.0 | 0.00 | 0.00 | 0.00 |
| 9,600.0 | 90.52 | 90.00 | 6,544.7 | 149.3 | 2,905.4 | 2,908.0 | 0.00 | 0.00 | 0.00 |
| 9,700.0 | 90.52 | 90.00 | 6,543.8 | 149.3 | 3,005.4 | 3,007.9 | 0.00 | 0.00 | 0.00 |
| 9,800.0 | 90.52 | 90.00 | 6,542.8 | 149.3 | 3,105.4 | 3,107.9 | 0.00 | 0.00 | 0.00 |
| 9,900.0 | 90.52 | 90.00 | 6,541.9 | 149.3 | 3,205.4 | 3,207.9 | 0.00 | 0.00 | 0.00 |
| 10,000.0 | 90.52 | 90.00 | 6,541.0 | 149.3 | 3,305.4 | 3,307.9 | 0.00 | 0.00 | 0.00 |
| 10,100.0 | 90.52 | 90.00 | 6,540.1 | 149.3 | 3,405.4 | 3,407.8 | 0.00 | 0.00 | 0.00 |
| 10,200.0 | 90.52 | 90.00 | 6,539.2 | 149.3 | 3,505.4 | 3,507.8 | 0.00 | 0.00 | 0.00 |
| 10,300.0 | 90.52 | 90.00 | 6,538.3 | 149.3 | 3,605.4 | 3,607.8 | 0.00 | 0.00 | 0.00 |
| 10,400.0 | 90.52 | 90.00 | 6,537.4 | 149.3 | 3,705.4 | 3,707.8 | 0.00 | 0.00 | 0.00 |
| 10,500.0 | 90.52 | 90.00 | 6,536.5 | 149.3 | 3,805.4 | 3,807.7 | 0.00 | 0.00 | 0.00 |
| 10,600.0 | 90.52 | 90.00 | 6,535.6 | 149.3 | 3,905.4 | 3,907.7 | 0.00 | 0.00 | 0.00 |
| 10,700.0 | 90.52 | 90.00 | 6,534.7 | 149.3 | 4,005.4 | 4,007.7 | 0.00 | 0.00 | 0.00 |
| 10,800.0 | 90.52 | 90.00 | 6,533.8 | 149.3 | 4,105.4 | 4,107.6 | 0.00 | 0.00 | 0.00 |
| 10,900.0 | 90.52 | 90.00 | 6,532.9 | 149.3 | 4,205.4 | 4,207.6 | 0.00 | 0.00 | 0.00 |
| 11,000.0 | 90.52 | 90.00 | 6,532.0 | 149.3 | 4,305.4 | 4,307.6 | 0.00 | 0.00 | 0.00 |
| 11,100.0 | 90.52 | 90.00 | 6,531.0 | 149.3 | 4,405.4 | 4,407.6 | 0.00 | 0.00 | 0.00 |
| 11,200.0 | 90.52 | 90.00 | 6,530.1 | 149.3 | 4,505.4 | 4,507.5 | 0.00 | 0.00 | 0.00 |
| 11,300.0 | 90.52 | 90.00 | 6,529.2 | 149.3 | 4,605.4 | 4,607.5 | 0.00 | 0.00 | 0.00 |
| 11,400.0 | 90.52 | 90.00 | 6,528.3 | 149.3 | 4,705.4 | 4,707.5 | 0.00 | 0.00 | 0.00 |
| 11,500.0 | 90.52 | 90.00 | 6,527.4 | 149.3 | 4,805.4 | 4,807.5 | 0.00 | 0.00 | 0.00 |
| 11,600.0 | 90.52 | 90.00 | 6,526.5 | 149.3 | 4,905.4 | 4,907.4 | 0.00 | 0.00 | 0.00 |
| 11,700.0 | 90.52 | 90.00 | 6,525.6 | 149.3 | 5,005.4 | 5,007.4 | 0.00 | 0.00 | 0.00 |
| 11,800.0 | 90.52 | 90.00 | 6,524.7 | 149.3 | 5,105.3 | 5,107.4 | 0.00 | 0.00 | 0.00 |
| 11,900.0 | 90.52 | 90.00 | 6,523.8 | 149.3 | 5,205.3 | 5,207.3 | 0.00 | 0.00 | 0.00 |
| 12,000.0 | 90.52 | 90.00 | 6,522.9 | 149.3 | 5,305.3 | 5,307.3 | 0.00 | 0.00 | 0.00 |
| 12,100.0 | 90.52 | 90.00 | 6,522.0 | 149.3 | 5,405.3 | 5,407.3 | 0.00 | 0.00 | 0.00 |
| 12,200.0 | 90.52 | 90.00 | 6,521.1 | 149.3 | 5,505.3 | 5,507.3 | 0.00 | 0.00 | 0.00 |
| 12,300.0 | 90.52 | 90.00 | 6,520.2 | 149.3 | 5,605.3 | 5,607.2 | 0.00 | 0.00 | 0.00 |
| 12,400.0 | 90.52 | 90.00 | 6,519.2 | 149.3 | 5,705.3 | 5,707.2 | 0.00 | 0.00 | 0.00 |
| 12,500.0 | 90.52 | 90.00 | 6,518.3 | 149.3 | 5,805.3 | 5,807.2 | 0.00 | 0.00 | 0.00 |
| 12,600.0 | 90.52 | 90.00 | 6,517.4 | 149.3 | 5,905.3 | 5,907.2 | 0.00 | 0.00 | 0.00 |
| 12,700.0 | 90.52 | 90.00 | 6,516.5 | 149.3 | 6,005.3 | 6,007.1 | 0.00 | 0.00 | 0.00 |
| 12,800.0 | 90.52 | 90.00 | 6,515.6 | 149.3 | 6,105.3 | 6,107.1 | 0.00 | 0.00 | 0.00 |
| 12,900.0 | 90.52 | 90.00 | 6,514.7 | 149.3 | 6,205.3 | 6,207.1 | 0.00 | 0.00 | 0.00 |
| 13,000.0 | 90.52 | 90.00 | 6,513.8 | 149.3 | 6,305.3 | 6,307.0 | 0.00 | 0.00 | 0.00 |
| 13,100.0 | 90.52 | 90.00 | 6,512.9 | 149.3 | 6,405.3 | 6,407.0 | 0.00 | 0.00 | 0.00 |
| 13,200.0 | 90.52 | 90.00 | 6,512.0 | 149.3 | 6,505.3 | 6,507.0 | 0.00 | 0.00 | 0.00 |
| 13,300.0 | 90.52 | 90.00 | 6,511.1 | 149.3 | 6,605.3 | 6,607.0 | 0.00 | 0.00 | 0.00 |
| 13,400.0 | 90.52 | 90.00 | 6,510.2 | 149.3 | 6,705.3 | 6,706.9 | 0.00 | 0.00 | 0.00 |

| | | | |
|-----------|--------------------------------------|------------------------------|-----------------------------|
| Database: | US_EDM | Local Co-ordinate Reference: | Well Bihain 26G-212 |
| Company: | PETROLEUM DEVELOPMENT CORP DJ Basin | TVD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Project: | SEC.26-T5N-R64W | MD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Site: | Bihain 5N64W26GK Pad Sec.26-T5N-R64W | North Reference: | True |
| Well: | Bihain 26G-212 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 (11-2-15) | | |

| Planned Survey | | | | | | | | | |
|---|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 13,500.0 | 90.52 | 90.00 | 6,509.3 | 149.3 | 6,805.3 | 6,806.9 | 0.00 | 0.00 | 0.00 |
| 13,600.0 | 90.52 | 90.00 | 6,508.4 | 149.3 | 6,905.3 | 6,906.9 | 0.00 | 0.00 | 0.00 |
| 13,639.5 | 90.52 | 90.00 | 6,508.0 | 149.3 | 6,944.8 | 6,946.4 | 0.00 | 0.00 | 0.00 |
| TD at 13639.5 - BHL 2170'FNL & 2140'FWL, Sec.25 | | | | | | | | | |

| Design Targets | | | | | | | | | |
|---|---------------|--------------|----------|------------|------------|-----------------|----------------|-----------|-------------|
| Target Name - hit/miss target - Shape | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
| SHL 2369'FNL & 473'FW - plan hits target center - Point | 0.00 | 0.00 | 1.0 | 0.0 | 0.0 | 1,379,533.91 | 3,271,739.44 | 40.371120 | -104.524707 |
| BHL 2170'FNL & 2140'F - plan hits target center - Point | 0.00 | 0.00 | 6,508.0 | 149.3 | 6,944.8 | 1,379,759.53 | 3,278,681.89 | 40.371527 | -104.499783 |

| Casing Points | | | | | |
|---------------------|---------------------|------|---------------------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Casing Diameter (") | Hole Diameter (") | |
| 7,042.3 | 6,567.9 | 7" | 7 | 8-3/4 | |

| Formations | | | | | |
|---------------------|---------------------|----------------|-----------|---------|-------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) |
| 3,414.1 | 3,400.0 | Parkman | | 0.00 | |
| 4,127.2 | 4,105.0 | Sussex | | 0.00 | |
| 4,526.7 | 4,500.0 | Shannon | | 0.00 | |
| 6,395.2 | 6,315.0 | Sharon Springs | | 0.00 | |
| 6,596.0 | 6,445.0 | Niobrara A | | 0.00 | |
| 6,763.4 | 6,520.0 | Niobrara B | | 0.00 | |

| Plan Annotations | | | | |
|---------------------|---------------------|------------|------------|--------------------------------|
| Measured Depth (ft) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Comment |
| 1,600.0 | 1,600.0 | 0.0 | 0.0 | KOP - Start Build 1.00 |
| 4,799.2 | 4,769.4 | 21.7 | -61.4 | Start Drop -2.00 |
| 5,835.4 | 5,804.0 | 138.5 | -392.3 | KOP #2 - Start Build 7.50 |
| 7,042.3 | 6,567.9 | 149.3 | -423.0 | Start 6597.2 hold at 7042.3 MD |
| 13,639.5 | 6,508.0 | 149.3 | -423.0 | TD at 13639.5 |



Directional

PETROLEUM DEVELOPMENT CORP DJ Basin

SEC.26-T5N-R64W

Bihain 5N64W26GK Pad Sec.26-T5N-R64W

Bihain 26G-212

Wellbore #1

Plan #1 (11-2-15)

Anticollision Report

04 November, 2015



| | | | |
|---------------------------|--------------------------------------|-------------------------------------|-----------------------------|
| Company: | PETROLEUM DEVELOPMENT CORP DJ Basin | Local Co-ordinate Reference: | Well Bihain 26G-212 |
| Project: | SEC.26-T5N-R64W | TVD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Reference Site: | Bihain 5N64W26GK Pad Sec.26-T5N-R64W | MD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bihain 26G-212 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #1 (11-2-15) | Offset TVD Reference: | Offset Datum |

| | | | |
|-------------------------------------|---|-----------------------|---------------------|
| Reference | Plan #1 (11-2-15) | | |
| Filter type: | NO GLOBAL FILTER: Using user defined selection & filtering criteria | | |
| Interpolation Method: | Stations | Error Model: | ISCWSA |
| Depth Range: | Unlimited | Scan Method: | Closest Approach 3D |
| Results Limited by: | Maximum center-center distance of 1,000.0 ft | Error Surface: | Elliptical Conic |
| Warning Levels Evaluated at: | 2.00 Sigma | Casing Method: | Not applied |

| | | | | |
|----------------------------|-----------------------|---------------------------------|------------------|--------------------|
| Survey Tool Program | Date 11/4/2015 | | | |
| From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description |
| 0.0 | 13,639.5 | Plan #1 (11-2-15) (Wellbore #1) | MWD | MWD - Standard |

| Summary | | | | | | |
|---|-------------------------------|----------------------------|-------------------------------|--------------------------------|-------------------|---------------------|
| Site Name | Reference Measured Depth (ft) | Offset Measured Depth (ft) | Distance Between Centres (ft) | Distance Between Ellipses (ft) | Separation Factor | Warning |
| Offset Well - Wellbore - Design | | | | | | |
| Bihain 5N64W26GK Pad Sec.26-T5N-R64W | | | | | | |
| Bihain 26F-232 - Wellbore #1 - Plan #1 (11-2-15) | 1,000.0 | 1,000.0 | 30.1 | 25.9 | 7.055 | CC, ES |
| Bihain 26F-232 - Wellbore #1 - Plan #1 (11-2-15) | 13,639.5 | 13,675.2 | 525.1 | 122.7 | 1.305 | Level 3, SF |
| Bihain 26F-332 - Wellbore #1 - Plan #1 (11-2-15) | 1,200.0 | 1,200.0 | 15.1 | 9.9 | 2.912 | CC |
| Bihain 26F-332 - Wellbore #1 - Plan #1 (11-2-15) | 13,639.5 | 13,720.0 | 295.9 | -92.1 | 0.763 | Level 1, ES, SF |
| Bihain 26G-202 - Wellbore #1 - Plan #1 (11-2-15) | 1,636.1 | 1,636.4 | 28.5 | 21.4 | 4.036 | CC, ES |
| Bihain 26G-202 - Wellbore #1 - Plan #1 (11-2-15) | 13,639.5 | 13,647.2 | 445.2 | 43.1 | 1.107 | Level 2, SF |
| Bihain 26G-312 - Wellbore #1 - Plan #1 (11-2-15) | 1,600.0 | 1,600.0 | 14.8 | 7.9 | 2.129 | CC |
| Bihain 26G-312 - Wellbore #1 - Plan #1 (11-2-15) | 13,639.5 | 13,707.8 | 243.9 | -140.7 | 0.634 | Level 1, ES, SF |
| Existing Wells Pad Sec.26-T5N-R64W | | | | | | |
| Bihain 26-2 (Exist.) - Wellbore #1 - Wellbore #1 | 8,216.7 | 6,537.2 | 225.6 | 44.0 | 1.242 | Level 2, CC, ES, SF |
| Bihain 26-3 (Exist.) - Wellbore #1 - Wellbore #1 | 6,908.4 | 6,539.4 | 246.7 | 96.2 | 1.639 | CC, ES, SF |
| Monfort Kuner B 26-7 (Exist.) - Wellbore #1 - Wellbore #1 | 9,544.5 | 6,521.2 | 253.1 | 35.6 | 1.164 | Level 2, CC, ES, SF |
| Monfort Kuner B 26-8 (Exist.) - Wellbore #1 - Wellbore #1 | 10,836.0 | 6,506.4 | 245.3 | -7.8 | 0.969 | Level 1, CC, ES, SF |

| Offset Design | | | | | | | | | | | | | Bihain 5N64W26GK Pad Sec.26-T5N-R64W - Bihain 26F-232 - Wellbore #1 - Plan #1 (11-2-15) | | Offset Site Error: | | 0.0 ft | |
|-----------------------|----------------|----------------|----------------|-----------------|--------|-------------------|------------------------|------------|-----------------|------------------|--------------------|-------------------|---|--|--------------------|--|--------|--|
| Survey Program: 0-MWD | | | | | | | | | | | | | | | Offset Well Error: | | 0.0 ft | |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | | | | | |
| Measured Depth | Vertical Depth | Measured Depth | Vertical Depth | Reference | Offset | Highside Toolface | Offset Wellbore Centre | | Between Centres | Between Ellipses | Minimum Separation | Separation Factor | Warning | | | | | |
| Depth (ft) | Depth (ft) | Depth (ft) | Depth (ft) | (ft) | (ft) | (°) | +N/-S (ft) | +E/-W (ft) | (ft) | (ft) | (ft) | | | | | | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -50.14 | 19.3 | -23.1 | 30.1 | | | | | | | | | |
| 100.0 | 100.0 | 100.0 | 100.0 | 0.1 | 0.1 | -50.14 | 19.3 | -23.1 | 30.1 | 29.9 | 0.22 | 134.041 | | | | | | |
| 200.0 | 200.0 | 200.0 | 200.0 | 0.3 | 0.3 | -50.14 | 19.3 | -23.1 | 30.1 | 29.5 | 0.67 | 44.680 | | | | | | |
| 300.0 | 300.0 | 300.0 | 300.0 | 0.6 | 0.6 | -50.14 | 19.3 | -23.1 | 30.1 | 29.0 | 1.12 | 26.808 | | | | | | |
| 400.0 | 400.0 | 400.0 | 400.0 | 0.8 | 0.8 | -50.14 | 19.3 | -23.1 | 30.1 | 28.6 | 1.57 | 19.149 | | | | | | |
| 500.0 | 500.0 | 500.0 | 500.0 | 1.0 | 1.0 | -50.14 | 19.3 | -23.1 | 30.1 | 28.1 | 2.02 | 14.893 | | | | | | |
| 600.0 | 600.0 | 600.0 | 600.0 | 1.2 | 1.2 | -50.14 | 19.3 | -23.1 | 30.1 | 27.7 | 2.47 | 12.186 | | | | | | |
| 700.0 | 700.0 | 700.0 | 700.0 | 1.5 | 1.5 | -50.14 | 19.3 | -23.1 | 30.1 | 27.2 | 2.92 | 10.311 | | | | | | |
| 800.0 | 800.0 | 800.0 | 800.0 | 1.7 | 1.7 | -50.14 | 19.3 | -23.1 | 30.1 | 26.8 | 3.37 | 8.936 | | | | | | |
| 900.0 | 900.0 | 900.0 | 900.0 | 1.9 | 1.9 | -50.14 | 19.3 | -23.1 | 30.1 | 26.3 | 3.82 | 7.885 | | | | | | |
| 1,000.0 | 1,000.0 | 1,000.0 | 1,000.0 | 2.1 | 2.1 | -50.14 | 19.3 | -23.1 | 30.1 | 25.9 | 4.27 | 7.055 CC, ES | | | | | | |
| 1,100.0 | 1,100.0 | 1,099.2 | 1,099.2 | 2.4 | 2.4 | -49.39 | 20.4 | -23.8 | 31.4 | 26.6 | 4.72 | 6.649 | | | | | | |
| 1,200.0 | 1,200.0 | 1,198.3 | 1,198.2 | 2.6 | 2.6 | -47.44 | 23.7 | -25.8 | 35.1 | 29.9 | 5.16 | 6.796 | | | | | | |

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

| | | | |
|---------------------------|--------------------------------------|-------------------------------------|-----------------------------|
| Company: | PETROLEUM DEVELOPMENT CORP DJ Basin | Local Co-ordinate Reference: | Well Bihain 26G-212 |
| Project: | SEC.26-T5N-R64W | TVD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Reference Site: | Bihain 5N64W26GK Pad Sec.26-T5N-R64W | MD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bihain 26G-212 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #1 (11-2-15) | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 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 | | |
| 1,300.0 | 1,300.0 | 1,297.2 | 1,296.9 | 2.8 | 2.8 | -44.98 | 29.2 | -29.1 | 41.4 | 35.7 | 5.61 | 7.369 | | |
| 1,400.0 | 1,400.0 | 1,395.6 | 1,394.9 | 3.0 | 3.0 | -42.58 | 36.8 | -33.8 | 50.2 | 44.1 | 6.07 | 8.273 | | |
| 1,500.0 | 1,500.0 | 1,493.5 | 1,492.2 | 3.3 | 3.3 | -40.52 | 46.5 | -39.7 | 61.6 | 55.1 | 6.54 | 9.432 | | |
| 1,600.0 | 1,600.0 | 1,590.8 | 1,588.4 | 3.5 | 3.5 | -38.85 | 58.2 | -46.9 | 75.6 | 68.6 | 7.02 | 10.779 | | |
| 1,700.0 | 1,700.0 | 1,687.4 | 1,683.7 | 3.7 | 3.8 | 33.23 | 72.0 | -55.3 | 91.5 | 84.1 | 7.39 | 12.370 | | |
| 1,800.0 | 1,800.0 | 1,784.9 | 1,779.4 | 3.9 | 4.1 | 34.90 | 87.6 | -64.8 | 108.0 | 100.2 | 7.83 | 13.796 | | |
| 1,900.0 | 1,899.9 | 1,883.6 | 1,876.4 | 4.1 | 4.5 | 36.61 | 103.6 | -74.6 | 123.6 | 115.3 | 8.27 | 14.935 | | |
| 2,000.0 | 1,999.7 | 1,982.5 | 1,973.4 | 4.3 | 4.8 | 38.37 | 119.7 | -84.4 | 137.8 | 129.1 | 8.72 | 15.801 | | |
| 2,100.0 | 2,099.4 | 2,081.5 | 2,070.7 | 4.6 | 5.2 | 40.21 | 135.8 | -94.3 | 150.9 | 141.7 | 9.18 | 16.433 | | |
| 2,200.0 | 2,198.9 | 2,180.7 | 2,168.0 | 4.8 | 5.5 | 42.16 | 151.9 | -104.1 | 162.8 | 153.1 | 9.65 | 16.866 | | |
| 2,300.0 | 2,298.3 | 2,279.9 | 2,265.4 | 5.0 | 5.9 | 44.23 | 168.0 | -113.9 | 173.6 | 163.5 | 10.14 | 17.129 | | |
| 2,400.0 | 2,397.4 | 2,379.1 | 2,362.8 | 5.3 | 6.3 | 46.45 | 184.1 | -123.8 | 183.5 | 172.9 | 10.64 | 17.245 | | |
| 2,464.5 | 2,461.2 | 2,443.2 | 2,425.7 | 5.5 | 6.6 | 47.96 | 194.5 | -130.1 | 189.4 | 178.4 | 10.98 | 17.250 | | |
| 2,500.0 | 2,496.3 | 2,478.4 | 2,460.3 | 5.6 | 6.7 | 48.82 | 200.2 | -133.6 | 192.5 | 181.4 | 11.17 | 17.237 | | |
| 2,600.0 | 2,595.2 | 2,577.7 | 2,557.7 | 5.9 | 7.1 | 51.10 | 216.4 | -143.5 | 201.7 | 189.9 | 11.72 | 17.203 | | |
| 2,700.0 | 2,694.0 | 2,676.9 | 2,655.2 | 6.2 | 7.5 | 53.18 | 232.5 | -153.3 | 211.1 | 198.8 | 12.29 | 17.172 | | |
| 2,800.0 | 2,792.9 | 2,776.2 | 2,752.7 | 6.5 | 7.9 | 55.08 | 248.6 | -163.2 | 220.7 | 207.9 | 12.88 | 17.143 | | |
| 2,900.0 | 2,891.8 | 2,875.5 | 2,850.1 | 6.8 | 8.3 | 56.81 | 264.7 | -173.0 | 230.6 | 217.2 | 13.48 | 17.115 | | |
| 3,000.0 | 2,990.6 | 2,974.8 | 2,947.6 | 7.1 | 8.7 | 58.41 | 280.9 | -182.9 | 240.7 | 226.6 | 14.09 | 17.087 | | |
| 3,100.0 | 3,089.5 | 3,074.0 | 3,045.0 | 7.4 | 9.1 | 59.87 | 297.0 | -192.7 | 251.0 | 236.3 | 14.71 | 17.060 | | |
| 3,200.0 | 3,188.4 | 3,173.3 | 3,142.5 | 7.7 | 9.5 | 61.22 | 313.1 | -202.6 | 261.4 | 246.0 | 15.34 | 17.033 | | |
| 3,300.0 | 3,287.2 | 3,272.6 | 3,240.0 | 8.0 | 9.9 | 62.47 | 329.2 | -212.4 | 271.9 | 255.9 | 15.99 | 17.008 | | |
| 3,400.0 | 3,386.1 | 3,371.9 | 3,337.4 | 8.4 | 10.3 | 63.63 | 345.4 | -222.3 | 282.6 | 265.9 | 16.64 | 16.983 | | |
| 3,500.0 | 3,485.0 | 3,471.1 | 3,434.9 | 8.7 | 10.7 | 64.69 | 361.5 | -232.1 | 293.3 | 276.0 | 17.30 | 16.958 | | |
| 3,600.0 | 3,583.8 | 3,570.4 | 3,532.3 | 9.0 | 11.1 | 65.69 | 377.6 | -242.0 | 304.2 | 286.2 | 17.96 | 16.935 | | |
| 3,700.0 | 3,682.7 | 3,669.7 | 3,629.8 | 9.4 | 11.5 | 66.61 | 393.7 | -251.8 | 315.1 | 296.5 | 18.63 | 16.913 | | |
| 3,800.0 | 3,781.6 | 3,769.0 | 3,727.3 | 9.7 | 11.9 | 67.48 | 409.9 | -261.7 | 326.1 | 306.8 | 19.31 | 16.892 | | |
| 3,900.0 | 3,880.4 | 3,868.2 | 3,824.7 | 10.0 | 12.3 | 68.28 | 426.0 | -271.5 | 337.2 | 317.2 | 19.99 | 16.871 | | |
| 4,000.0 | 3,979.3 | 3,967.5 | 3,922.2 | 10.4 | 12.7 | 69.04 | 442.1 | -281.4 | 348.4 | 327.7 | 20.67 | 16.852 | | |
| 4,100.0 | 4,078.1 | 4,066.8 | 4,019.6 | 10.7 | 13.1 | 69.75 | 458.2 | -291.2 | 359.6 | 338.2 | 21.36 | 16.834 | | |
| 4,200.0 | 4,177.0 | 4,166.1 | 4,117.1 | 11.1 | 13.5 | 70.41 | 474.4 | -301.1 | 370.8 | 348.8 | 22.05 | 16.816 | | |
| 4,300.0 | 4,275.9 | 4,265.4 | 4,214.6 | 11.4 | 14.0 | 71.04 | 490.5 | -310.9 | 382.1 | 359.4 | 22.74 | 16.800 | | |
| 4,400.0 | 4,374.7 | 4,364.6 | 4,312.0 | 11.8 | 14.4 | 71.63 | 506.6 | -320.8 | 393.4 | 370.0 | 23.44 | 16.784 | | |
| 4,500.0 | 4,473.6 | 4,463.9 | 4,409.5 | 12.1 | 14.8 | 72.19 | 522.8 | -330.6 | 404.8 | 380.7 | 24.14 | 16.769 | | |
| 4,600.0 | 4,572.5 | 4,563.2 | 4,506.9 | 12.5 | 15.2 | 72.71 | 538.9 | -340.5 | 416.2 | 391.4 | 24.84 | 16.755 | | |
| 4,700.0 | 4,671.3 | 4,662.5 | 4,604.4 | 12.8 | 15.6 | 73.21 | 555.0 | -350.3 | 427.7 | 402.1 | 25.55 | 16.742 | | |
| 4,799.2 | 4,769.4 | 4,760.9 | 4,701.1 | 13.2 | 16.0 | 73.68 | 571.0 | -360.1 | 439.1 | 412.8 | 26.25 | 16.729 | | |
| 4,900.0 | 4,869.3 | 4,861.0 | 4,799.3 | 13.5 | 16.4 | 74.15 | 587.3 | -370.0 | 451.2 | 424.3 | 26.89 | 16.777 | | |
| 5,000.0 | 4,968.8 | 4,960.1 | 4,896.6 | 13.7 | 16.9 | 74.20 | 603.4 | -379.9 | 464.1 | 436.7 | 27.42 | 16.925 | | |
| 5,100.0 | 5,068.6 | 5,059.0 | 4,993.7 | 13.9 | 17.3 | 73.88 | 619.4 | -389.7 | 478.0 | 450.1 | 27.88 | 17.143 | | |
| 5,200.0 | 5,168.6 | 5,163.7 | 5,096.5 | 14.0 | 17.7 | 73.17 | 636.2 | -399.9 | 492.7 | 464.5 | 28.27 | 17.429 | | |
| 5,231.4 | 5,200.0 | 5,199.9 | 5,132.2 | 14.1 | 17.8 | 2.32 | 641.4 | -403.1 | 497.1 | 469.1 | 28.01 | 17.750 | | |
| 5,300.0 | 5,268.6 | 5,279.3 | 5,210.8 | 14.2 | 18.0 | 1.56 | 651.5 | -409.3 | 505.7 | 477.3 | 28.43 | 17.791 | | |
| 5,400.0 | 5,368.6 | 5,396.3 | 5,326.9 | 14.4 | 18.3 | 0.74 | 663.1 | -416.3 | 515.5 | 486.5 | 28.99 | 17.779 | | |
| 5,500.0 | 5,468.6 | 5,514.1 | 5,444.4 | 14.6 | 18.5 | 0.23 | 670.6 | -420.9 | 521.9 | 492.4 | 29.49 | 17.699 | | |
| 5,600.0 | 5,568.6 | 5,632.5 | 5,562.7 | 14.7 | 18.7 | 0.00 | 674.0 | -423.0 | 524.7 | 494.8 | 29.90 | 17.547 | | |
| 5,700.0 | 5,668.6 | 5,738.3 | 5,668.6 | 14.9 | 18.9 | -0.01 | 674.2 | -423.1 | 524.9 | 494.6 | 30.26 | 17.344 | | |
| 5,800.0 | 5,768.6 | 5,838.3 | 5,768.6 | 15.1 | 19.0 | -0.01 | 674.2 | -423.1 | 524.9 | 494.3 | 30.62 | 17.141 | | |
| 5,835.4 | 5,804.0 | 5,873.7 | 5,804.0 | 15.2 | 19.1 | -0.01 | 674.2 | -423.1 | 524.9 | 494.2 | 30.75 | 17.070 | | |
| 5,845.8 | 5,814.4 | 5,884.2 | 5,814.4 | 15.2 | 19.1 | -90.01 | 674.2 | -423.1 | 524.9 | 494.5 | 30.46 | 17.235 | | |
| 5,850.0 | 5,818.6 | 5,888.3 | 5,818.6 | 15.2 | 19.1 | -90.01 | 674.2 | -423.0 | 524.9 | 494.4 | 30.47 | 17.227 | | |

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

| | | | |
|---------------------------|--------------------------------------|-------------------------------------|-----------------------------|
| Company: | PETROLEUM DEVELOPMENT CORP DJ Basin | Local Co-ordinate Reference: | Well Bihain 26G-212 |
| Project: | SEC.26-T5N-R64W | TVD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Reference Site: | Bihain 5N64W26GK Pad Sec.26-T5N-R64W | MD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bihain 26G-212 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #1 (11-2-15) | Offset TVD Reference: | Offset Datum |

| Offset Design Bihain 5N64W26GK Pad Sec.26-T5N-R64W - Bihain 26F-232 - Wellbore #1 - Plan #1 (11-2-15) | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|--------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 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 | | |
| 5,900.0 | 5,868.5 | 5,938.3 | 5,868.5 | 15.2 | 19.1 | -90.01 | 674.2 | -420.4 | 524.9 | 494.3 | 30.59 | 17.158 | | |
| 5,950.0 | 5,918.1 | 5,988.4 | 5,918.1 | 15.3 | 19.2 | -90.01 | 674.2 | -414.5 | 524.9 | 494.2 | 30.67 | 17.114 | | |
| 6,000.0 | 5,967.3 | 6,038.4 | 5,967.3 | 15.3 | 19.2 | -90.00 | 674.2 | -405.4 | 524.9 | 494.2 | 30.71 | 17.090 | | |
| 6,050.0 | 6,015.7 | 6,088.4 | 6,015.8 | 15.3 | 19.2 | -90.00 | 674.2 | -393.1 | 524.9 | 494.2 | 30.72 | 17.085 | | |
| 6,100.0 | 6,063.3 | 6,138.4 | 6,063.3 | 15.3 | 19.2 | -90.00 | 674.2 | -377.6 | 524.9 | 494.2 | 30.71 | 17.093 | | |
| 6,150.0 | 6,109.7 | 6,188.4 | 6,109.7 | 15.3 | 19.1 | -90.00 | 674.2 | -359.1 | 524.9 | 494.2 | 30.68 | 17.109 | | |
| 6,200.0 | 6,154.9 | 6,238.4 | 6,154.8 | 15.3 | 19.1 | -89.99 | 674.2 | -337.6 | 524.9 | 494.3 | 30.65 | 17.127 | | |
| 6,250.0 | 6,198.5 | 6,288.4 | 6,198.5 | 15.2 | 19.1 | -89.99 | 674.2 | -313.2 | 524.9 | 494.3 | 30.63 | 17.138 | | |
| 6,300.0 | 6,240.4 | 6,338.3 | 6,240.4 | 15.2 | 19.0 | -89.99 | 674.2 | -285.9 | 524.9 | 494.3 | 30.64 | 17.133 | | |
| 6,350.0 | 6,280.5 | 6,388.3 | 6,280.4 | 15.2 | 19.0 | -89.99 | 674.2 | -256.0 | 524.9 | 494.2 | 30.69 | 17.102 | | |
| 6,400.0 | 6,318.5 | 6,438.3 | 6,318.4 | 15.3 | 18.9 | -89.98 | 674.2 | -223.6 | 524.9 | 494.1 | 30.82 | 17.032 | | |
| 6,450.0 | 6,354.4 | 6,488.3 | 6,354.2 | 15.4 | 18.8 | -89.98 | 674.2 | -188.7 | 524.9 | 493.9 | 31.04 | 16.913 | | |
| 6,500.0 | 6,387.8 | 6,538.3 | 6,387.7 | 15.5 | 18.8 | -89.98 | 674.2 | -151.6 | 524.9 | 493.5 | 31.37 | 16.735 | | |
| 6,550.0 | 6,418.8 | 6,588.3 | 6,418.6 | 15.7 | 18.7 | -89.97 | 674.2 | -112.3 | 524.9 | 493.1 | 31.83 | 16.492 | | |
| 6,600.0 | 6,447.2 | 6,638.3 | 6,446.9 | 16.0 | 18.7 | -89.97 | 674.2 | -71.1 | 524.9 | 492.5 | 32.44 | 16.181 | | |
| 6,650.0 | 6,472.7 | 6,688.3 | 6,472.5 | 16.4 | 18.6 | -89.97 | 674.2 | -28.2 | 524.9 | 491.7 | 33.22 | 15.803 | | |
| 6,700.0 | 6,495.5 | 6,738.2 | 6,495.2 | 16.9 | 18.6 | -89.97 | 674.2 | 16.3 | 524.9 | 490.8 | 34.16 | 15.366 | | |
| 6,750.0 | 6,515.2 | 6,788.2 | 6,514.9 | 17.4 | 18.5 | -89.97 | 674.2 | 62.2 | 524.9 | 489.6 | 35.28 | 14.881 | | |
| 6,800.0 | 6,531.9 | 6,838.2 | 6,531.6 | 18.1 | 18.5 | -89.96 | 674.2 | 109.3 | 524.9 | 488.4 | 36.56 | 14.359 | | |
| 6,850.0 | 6,545.5 | 6,888.2 | 6,545.2 | 18.8 | 19.2 | -89.96 | 674.2 | 157.4 | 524.9 | 486.9 | 37.99 | 13.816 | | |
| 6,900.0 | 6,555.9 | 6,938.1 | 6,555.6 | 19.6 | 20.0 | -89.96 | 674.2 | 206.3 | 524.9 | 485.3 | 39.57 | 13.264 | | |
| 6,950.0 | 6,563.1 | 6,988.1 | 6,562.8 | 20.5 | 20.9 | -89.96 | 674.2 | 255.8 | 524.9 | 483.6 | 41.28 | 12.717 | | |
| 7,000.0 | 6,567.1 | 7,038.1 | 6,566.7 | 21.4 | 21.8 | -89.96 | 674.2 | 305.6 | 524.9 | 481.8 | 43.09 | 12.183 | | |
| 7,042.3 | 6,567.9 | 7,080.4 | 6,567.5 | 22.2 | 22.6 | -89.96 | 674.2 | 347.9 | 524.9 | 480.2 | 44.68 | 11.749 | | |
| 7,100.0 | 6,567.4 | 7,138.1 | 6,567.1 | 23.3 | 23.8 | -89.97 | 674.2 | 405.5 | 524.9 | 477.9 | 46.97 | 11.176 | | |
| 7,200.0 | 6,566.4 | 7,238.1 | 6,566.3 | 25.4 | 25.9 | -89.99 | 674.2 | 505.5 | 524.9 | 473.8 | 51.15 | 10.262 | | |
| 7,300.0 | 6,565.5 | 7,338.1 | 6,565.6 | 27.7 | 28.2 | -90.00 | 674.2 | 605.5 | 524.9 | 469.3 | 55.59 | 9.443 | | |
| 7,400.0 | 6,564.6 | 7,438.1 | 6,564.8 | 30.0 | 30.5 | -90.02 | 674.2 | 705.5 | 524.9 | 464.7 | 60.22 | 8.716 | | |
| 7,500.0 | 6,563.7 | 7,538.1 | 6,564.1 | 32.4 | 32.9 | -90.04 | 674.2 | 805.5 | 524.9 | 459.9 | 65.01 | 8.074 | | |
| 7,600.0 | 6,562.8 | 7,638.1 | 6,563.3 | 34.9 | 35.3 | -90.05 | 674.2 | 905.5 | 524.9 | 455.0 | 69.93 | 7.507 | | |
| 7,700.0 | 6,561.9 | 7,738.1 | 6,562.6 | 37.4 | 37.8 | -90.07 | 674.2 | 1,005.5 | 524.9 | 450.0 | 74.94 | 7.004 | | |
| 7,800.0 | 6,561.0 | 7,838.1 | 6,561.8 | 39.9 | 40.4 | -90.09 | 674.2 | 1,105.5 | 524.9 | 444.9 | 80.03 | 6.559 | | |
| 7,900.0 | 6,560.1 | 7,938.1 | 6,561.1 | 42.5 | 42.9 | -90.11 | 674.2 | 1,205.5 | 524.9 | 439.7 | 85.19 | 6.161 | | |
| 8,000.0 | 6,559.2 | 8,038.1 | 6,560.3 | 45.1 | 45.5 | -90.12 | 674.2 | 1,305.5 | 524.9 | 434.5 | 90.41 | 5.806 | | |
| 8,100.0 | 6,558.3 | 8,138.1 | 6,559.6 | 47.8 | 48.2 | -90.14 | 674.2 | 1,405.5 | 524.9 | 429.3 | 95.67 | 5.487 | | |
| 8,200.0 | 6,557.4 | 8,238.1 | 6,558.8 | 50.4 | 50.8 | -90.16 | 674.2 | 1,505.5 | 524.9 | 424.0 | 100.97 | 5.199 | | |
| 8,300.0 | 6,556.5 | 8,338.1 | 6,558.1 | 53.1 | 53.5 | -90.17 | 674.2 | 1,605.5 | 524.9 | 418.6 | 106.30 | 4.938 | | |
| 8,400.0 | 6,555.6 | 8,438.1 | 6,557.3 | 55.8 | 56.1 | -90.19 | 674.2 | 1,705.5 | 524.9 | 413.3 | 111.66 | 4.701 | | |
| 8,500.0 | 6,554.6 | 8,538.1 | 6,556.6 | 58.5 | 58.8 | -90.21 | 674.2 | 1,805.5 | 524.9 | 407.9 | 117.05 | 4.485 | | |
| 8,600.0 | 6,553.7 | 8,638.1 | 6,555.8 | 61.2 | 61.5 | -90.23 | 674.2 | 1,905.5 | 524.9 | 402.5 | 122.45 | 4.287 | | |
| 8,700.0 | 6,552.8 | 8,738.1 | 6,555.1 | 63.9 | 64.2 | -90.24 | 674.2 | 2,005.5 | 524.9 | 397.1 | 127.88 | 4.105 | | |
| 8,800.0 | 6,551.9 | 8,838.1 | 6,554.3 | 66.6 | 66.9 | -90.26 | 674.2 | 2,105.5 | 524.9 | 391.6 | 133.32 | 3.937 | | |
| 8,900.0 | 6,551.0 | 8,938.1 | 6,553.6 | 69.3 | 69.6 | -90.28 | 674.2 | 2,205.5 | 524.9 | 386.2 | 138.77 | 3.783 | | |
| 9,000.0 | 6,550.1 | 9,038.1 | 6,552.8 | 72.1 | 72.4 | -90.29 | 674.2 | 2,305.5 | 524.9 | 380.7 | 144.24 | 3.639 | | |
| 9,100.0 | 6,549.2 | 9,138.1 | 6,552.0 | 74.8 | 75.1 | -90.31 | 674.2 | 2,405.5 | 524.9 | 375.2 | 149.72 | 3.506 | | |
| 9,200.0 | 6,548.3 | 9,238.1 | 6,551.3 | 77.6 | 77.8 | -90.33 | 674.2 | 2,505.5 | 524.9 | 369.7 | 155.21 | 3.382 | | |
| 9,300.0 | 6,547.4 | 9,338.1 | 6,550.5 | 80.3 | 80.6 | -90.35 | 674.2 | 2,605.5 | 524.9 | 364.2 | 160.70 | 3.267 | | |
| 9,400.0 | 6,546.5 | 9,438.1 | 6,549.8 | 83.1 | 83.3 | -90.36 | 674.2 | 2,705.5 | 524.9 | 358.7 | 166.21 | 3.158 | | |
| 9,500.0 | 6,545.6 | 9,538.1 | 6,549.0 | 85.8 | 86.1 | -90.38 | 674.2 | 2,805.5 | 524.9 | 353.2 | 171.72 | 3.057 | | |
| 9,600.0 | 6,544.7 | 9,638.1 | 6,548.3 | 88.6 | 88.8 | -90.40 | 674.2 | 2,905.5 | 524.9 | 347.7 | 177.24 | 2.962 | | |
| 9,700.0 | 6,543.8 | 9,738.1 | 6,547.5 | 91.4 | 91.6 | -90.41 | 674.2 | 3,005.5 | 525.0 | 342.2 | 182.77 | 2.872 | | |

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

| | | | |
|---------------------------|--------------------------------------|-------------------------------------|-----------------------------|
| Company: | PETROLEUM DEVELOPMENT CORP DJ Basin | Local Co-ordinate Reference: | Well Bihain 26G-212 |
| Project: | SEC.26-T5N-R64W | TVD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Reference Site: | Bihain 5N64W26GK Pad Sec.26-T5N-R64W | MD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bihain 26G-212 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #1 (11-2-15) | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 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 | | |
| 9,800.0 | 6,542.8 | 9,838.1 | 6,546.8 | 94.1 | 94.4 | -90.43 | 674.2 | 3,105.5 | 525.0 | 336.7 | 188.30 | 2.788 | | |
| 9,900.0 | 6,541.9 | 9,938.1 | 6,546.0 | 96.9 | 97.1 | -90.45 | 674.2 | 3,205.5 | 525.0 | 331.1 | 193.83 | 2.708 | | |
| 10,000.0 | 6,541.0 | 10,038.1 | 6,545.3 | 99.7 | 99.9 | -90.47 | 674.2 | 3,305.5 | 525.0 | 325.6 | 199.37 | 2.633 | | |
| 10,100.0 | 6,540.1 | 10,138.1 | 6,544.5 | 102.4 | 102.7 | -90.48 | 674.2 | 3,405.4 | 525.0 | 320.0 | 204.92 | 2.562 | | |
| 10,200.0 | 6,539.2 | 10,238.1 | 6,543.8 | 105.2 | 105.4 | -90.50 | 674.2 | 3,505.4 | 525.0 | 314.5 | 210.47 | 2.494 | | |
| 10,300.0 | 6,538.3 | 10,338.1 | 6,543.0 | 108.0 | 108.2 | -90.52 | 674.2 | 3,605.4 | 525.0 | 308.9 | 216.02 | 2.430 | | |
| 10,400.0 | 6,537.4 | 10,438.1 | 6,542.3 | 110.8 | 111.0 | -90.53 | 674.2 | 3,705.4 | 525.0 | 303.4 | 221.57 | 2.369 | | |
| 10,500.0 | 6,536.5 | 10,538.1 | 6,541.5 | 113.5 | 113.8 | -90.55 | 674.2 | 3,805.4 | 525.0 | 297.8 | 227.13 | 2.311 | | |
| 10,600.0 | 6,535.6 | 10,638.1 | 6,540.8 | 116.3 | 116.5 | -90.57 | 674.2 | 3,905.4 | 525.0 | 292.3 | 232.69 | 2.256 | | |
| 10,700.0 | 6,534.7 | 10,738.1 | 6,540.0 | 119.1 | 119.3 | -90.59 | 674.2 | 4,005.4 | 525.0 | 286.7 | 238.26 | 2.203 | | |
| 10,800.0 | 6,533.8 | 10,838.1 | 6,539.3 | 121.9 | 122.1 | -90.60 | 674.2 | 4,105.4 | 525.0 | 281.2 | 243.82 | 2.153 | | |
| 10,900.0 | 6,532.9 | 10,938.1 | 6,538.5 | 124.7 | 124.9 | -90.62 | 674.2 | 4,205.4 | 525.0 | 275.6 | 249.39 | 2.105 | | |
| 11,000.0 | 6,532.0 | 11,038.1 | 6,537.8 | 127.5 | 127.7 | -90.64 | 674.2 | 4,305.4 | 525.0 | 270.0 | 254.96 | 2.059 | | |
| 11,100.0 | 6,531.0 | 11,138.1 | 6,537.0 | 130.3 | 130.4 | -90.65 | 674.2 | 4,405.4 | 525.0 | 264.4 | 260.53 | 2.015 | | |
| 11,200.0 | 6,530.1 | 11,238.1 | 6,536.3 | 133.0 | 133.2 | -90.67 | 674.2 | 4,505.4 | 525.0 | 258.9 | 266.11 | 1.973 | | |
| 11,300.0 | 6,529.2 | 11,338.1 | 6,535.5 | 135.8 | 136.0 | -90.69 | 674.2 | 4,605.4 | 525.0 | 253.3 | 271.69 | 1.932 | | |
| 11,400.0 | 6,528.3 | 11,438.1 | 6,534.8 | 138.6 | 138.8 | -90.71 | 674.2 | 4,705.4 | 525.0 | 247.7 | 277.26 | 1.893 | | |
| 11,500.0 | 6,527.4 | 11,538.1 | 6,534.0 | 141.4 | 141.6 | -90.72 | 674.2 | 4,805.4 | 525.0 | 242.2 | 282.84 | 1.856 | | |
| 11,600.0 | 6,526.5 | 11,638.1 | 6,533.3 | 144.2 | 144.4 | -90.74 | 674.2 | 4,905.4 | 525.0 | 236.6 | 288.42 | 1.820 | | |
| 11,700.0 | 6,525.6 | 11,738.1 | 6,532.5 | 147.0 | 147.2 | -90.76 | 674.2 | 5,005.4 | 525.0 | 231.0 | 294.01 | 1.786 | | |
| 11,800.0 | 6,524.7 | 11,838.1 | 6,531.8 | 149.8 | 150.0 | -90.77 | 674.2 | 5,105.4 | 525.0 | 225.4 | 299.59 | 1.752 | | |
| 11,900.0 | 6,523.8 | 11,938.1 | 6,531.0 | 152.6 | 152.8 | -90.79 | 674.2 | 5,205.4 | 525.0 | 219.8 | 305.17 | 1.720 | | |
| 12,000.0 | 6,522.9 | 12,038.1 | 6,530.3 | 155.4 | 155.5 | -90.81 | 674.2 | 5,305.4 | 525.0 | 214.3 | 310.76 | 1.689 | | |
| 12,100.0 | 6,522.0 | 12,138.1 | 6,529.5 | 158.2 | 158.3 | -90.83 | 674.2 | 5,405.4 | 525.0 | 208.7 | 316.35 | 1.660 | | |
| 12,200.0 | 6,521.1 | 12,238.1 | 6,528.8 | 161.0 | 161.1 | -90.84 | 674.2 | 5,505.4 | 525.0 | 203.1 | 321.93 | 1.631 | | |
| 12,300.0 | 6,520.2 | 12,338.1 | 6,528.0 | 163.8 | 163.9 | -90.86 | 674.2 | 5,605.4 | 525.0 | 197.5 | 327.52 | 1.603 | | |
| 12,400.0 | 6,519.2 | 12,438.1 | 6,527.3 | 166.6 | 166.7 | -90.88 | 674.2 | 5,705.4 | 525.0 | 191.9 | 333.11 | 1.576 | | |
| 12,500.0 | 6,518.3 | 12,538.1 | 6,526.5 | 169.4 | 169.5 | -90.89 | 674.2 | 5,805.4 | 525.0 | 186.3 | 338.70 | 1.550 | | |
| 12,600.0 | 6,517.4 | 12,638.1 | 6,525.8 | 172.2 | 172.3 | -90.91 | 674.2 | 5,905.4 | 525.0 | 180.7 | 344.29 | 1.525 | | |
| 12,700.0 | 6,516.5 | 12,738.1 | 6,525.0 | 175.0 | 175.1 | -90.93 | 674.2 | 6,005.4 | 525.0 | 175.1 | 349.88 | 1.501 | | |
| 12,800.0 | 6,515.6 | 12,838.1 | 6,524.3 | 177.8 | 177.9 | -90.95 | 674.2 | 6,105.4 | 525.0 | 169.6 | 355.48 | 1.477 | Level 3 | |
| 12,900.0 | 6,514.7 | 12,938.1 | 6,523.5 | 180.5 | 180.7 | -90.96 | 674.2 | 6,205.4 | 525.0 | 164.0 | 361.07 | 1.454 | Level 3 | |
| 13,000.0 | 6,513.8 | 13,038.1 | 6,522.8 | 183.3 | 183.5 | -90.98 | 674.2 | 6,305.4 | 525.0 | 158.4 | 366.66 | 1.432 | Level 3 | |
| 13,100.0 | 6,512.9 | 13,138.1 | 6,522.0 | 186.1 | 186.3 | -91.00 | 674.2 | 6,405.4 | 525.0 | 152.8 | 372.26 | 1.410 | Level 3 | |
| 13,200.0 | 6,512.0 | 13,238.1 | 6,521.3 | 188.9 | 189.1 | -91.01 | 674.2 | 6,505.4 | 525.0 | 147.2 | 377.85 | 1.390 | Level 3 | |
| 13,300.0 | 6,511.1 | 13,338.1 | 6,520.5 | 191.7 | 191.9 | -91.03 | 674.2 | 6,605.4 | 525.1 | 141.6 | 383.45 | 1.369 | Level 3 | |
| 13,400.0 | 6,510.2 | 13,438.1 | 6,519.8 | 194.5 | 194.7 | -91.05 | 674.2 | 6,705.4 | 525.1 | 136.0 | 389.04 | 1.350 | Level 3 | |
| 13,500.0 | 6,509.3 | 13,538.1 | 6,519.0 | 197.3 | 197.5 | -91.07 | 674.2 | 6,805.3 | 525.1 | 130.4 | 394.64 | 1.330 | Level 3 | |
| 13,600.0 | 6,508.4 | 13,638.1 | 6,518.3 | 200.1 | 200.3 | -91.08 | 674.2 | 6,905.3 | 525.1 | 124.8 | 400.24 | 1.312 | Level 3 | |
| 13,619.8 | 6,508.2 | 13,657.8 | 6,518.1 | 200.7 | 200.8 | -91.09 | 674.2 | 6,925.1 | 525.1 | 123.7 | 401.34 | 1.308 | Level 3 | |
| 13,639.5 | 6,508.0 | 13,675.2 | 6,518.0 | 201.3 | 201.3 | -91.09 | 674.2 | 6,942.4 | 525.1 | 122.7 | 402.38 | 1.305 | Level 3, SF | |

| | | | |
|---------------------------|--------------------------------------|-------------------------------------|-----------------------------|
| Company: | PETROLEUM DEVELOPMENT CORP DJ Basin | Local Co-ordinate Reference: | Well Bihain 26G-212 |
| Project: | SEC.26-T5N-R64W | TVD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Reference Site: | Bihain 5N64W26GK Pad Sec.26-T5N-R64W | MD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bihain 26G-212 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #1 (11-2-15) | Offset TVD Reference: | Offset Datum |

| Offset Design Bihain 5N64W26GK Pad Sec.26-T5N-R64W - Bihain 26F-332 - Wellbore #1 - Plan #1 (11-2-15) | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|--------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 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 | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -51.01 | 9.5 | -11.7 | 15.1 | 15.1 | 0.00 | N/A | | |
| 100.0 | 100.0 | 100.0 | 100.0 | 0.1 | 0.1 | -51.01 | 9.5 | -11.7 | 15.1 | 14.8 | 0.22 | 66.985 | | |
| 200.0 | 200.0 | 200.0 | 200.0 | 0.3 | 0.3 | -51.01 | 9.5 | -11.7 | 15.1 | 14.4 | 0.67 | 22.328 | | |
| 300.0 | 300.0 | 300.0 | 300.0 | 0.6 | 0.6 | -51.01 | 9.5 | -11.7 | 15.1 | 13.9 | 1.12 | 13.397 | | |
| 400.0 | 400.0 | 400.0 | 400.0 | 0.8 | 0.8 | -51.01 | 9.5 | -11.7 | 15.1 | 13.5 | 1.57 | 9.569 | | |
| 500.0 | 500.0 | 500.0 | 500.0 | 1.0 | 1.0 | -51.01 | 9.5 | -11.7 | 15.1 | 13.0 | 2.02 | 7.443 | | |
| 600.0 | 600.0 | 600.0 | 600.0 | 1.2 | 1.2 | -51.01 | 9.5 | -11.7 | 15.1 | 12.6 | 2.47 | 6.090 | | |
| 700.0 | 700.0 | 700.0 | 700.0 | 1.5 | 1.5 | -51.01 | 9.5 | -11.7 | 15.1 | 12.1 | 2.92 | 5.153 | | |
| 800.0 | 800.0 | 800.0 | 800.0 | 1.7 | 1.7 | -51.01 | 9.5 | -11.7 | 15.1 | 11.7 | 3.37 | 4.466 | | |
| 900.0 | 900.0 | 900.0 | 900.0 | 1.9 | 1.9 | -51.01 | 9.5 | -11.7 | 15.1 | 11.2 | 3.82 | 3.940 | | |
| 1,000.0 | 1,000.0 | 1,000.0 | 1,000.0 | 2.1 | 2.1 | -51.01 | 9.5 | -11.7 | 15.1 | 10.8 | 4.27 | 3.526 | | |
| 1,100.0 | 1,100.0 | 1,100.0 | 1,100.0 | 2.4 | 2.4 | -51.01 | 9.5 | -11.7 | 15.1 | 10.3 | 4.72 | 3.190 | | |
| 1,200.0 | 1,200.0 | 1,200.0 | 1,200.0 | 2.6 | 2.6 | -51.01 | 9.5 | -11.7 | 15.1 | 9.9 | 5.17 | 2.912 CC | | |
| 1,300.0 | 1,300.0 | 1,299.6 | 1,299.6 | 2.8 | 2.8 | -50.46 | 10.4 | -12.6 | 16.4 | 10.7 | 5.61 | 2.912 | | |
| 1,400.0 | 1,400.0 | 1,399.0 | 1,399.0 | 3.0 | 3.0 | -49.23 | 13.2 | -15.3 | 20.2 | 14.2 | 6.06 | 3.341 | | |
| 1,500.0 | 1,500.0 | 1,498.2 | 1,497.9 | 3.3 | 3.2 | -47.98 | 17.8 | -19.8 | 26.7 | 20.2 | 6.51 | 4.107 | | |
| 1,600.0 | 1,600.0 | 1,597.0 | 1,596.3 | 3.5 | 3.5 | -47.00 | 24.3 | -26.0 | 35.8 | 28.8 | 6.96 | 5.142 | | |
| 1,700.0 | 1,700.0 | 1,695.4 | 1,694.0 | 3.7 | 3.7 | 24.67 | 32.5 | -34.0 | 46.7 | 39.3 | 7.38 | 6.320 | | |
| 1,800.0 | 1,800.0 | 1,793.3 | 1,790.9 | 3.9 | 4.0 | 26.11 | 42.5 | -43.7 | 58.5 | 50.7 | 7.81 | 7.491 | | |
| 1,900.0 | 1,899.9 | 1,892.6 | 1,889.0 | 4.1 | 4.3 | 27.70 | 53.5 | -54.3 | 70.1 | 61.9 | 8.25 | 8.502 | | |
| 2,000.0 | 1,999.7 | 1,992.1 | 1,987.3 | 4.3 | 4.6 | 29.44 | 64.6 | -65.0 | 80.2 | 71.5 | 8.68 | 9.237 | | |
| 2,100.0 | 2,099.4 | 2,091.7 | 2,085.7 | 4.6 | 4.9 | 31.35 | 75.6 | -75.7 | 88.9 | 79.8 | 9.13 | 9.736 | | |
| 2,200.0 | 2,198.9 | 2,191.3 | 2,184.2 | 4.8 | 5.2 | 33.49 | 86.7 | -86.4 | 96.2 | 86.6 | 9.59 | 10.034 | | |
| 2,300.0 | 2,298.3 | 2,291.0 | 2,282.7 | 5.0 | 5.5 | 35.89 | 97.8 | -97.1 | 102.3 | 92.2 | 10.06 | 10.163 | | |
| 2,400.0 | 2,397.4 | 2,390.8 | 2,381.3 | 5.3 | 5.8 | 38.59 | 108.8 | -107.9 | 107.1 | 96.5 | 10.55 | 10.149 | | |
| 2,464.5 | 2,461.2 | 2,455.2 | 2,444.8 | 5.5 | 6.0 | 40.52 | 116.0 | -114.8 | 109.6 | 98.7 | 10.88 | 10.074 | | |
| 2,500.0 | 2,496.3 | 2,490.6 | 2,479.8 | 5.6 | 6.1 | 41.62 | 119.9 | -118.6 | 110.9 | 99.8 | 11.07 | 10.020 | | |
| 2,600.0 | 2,595.2 | 2,590.3 | 2,578.4 | 5.9 | 6.5 | 44.58 | 131.0 | -129.3 | 114.7 | 103.1 | 11.61 | 9.881 | | |
| 2,700.0 | 2,694.0 | 2,690.1 | 2,676.9 | 6.2 | 6.8 | 47.34 | 142.0 | -140.0 | 118.9 | 106.7 | 12.18 | 9.764 | | |
| 2,800.0 | 2,792.9 | 2,789.8 | 2,775.5 | 6.5 | 7.1 | 49.92 | 153.1 | -150.7 | 123.3 | 110.5 | 12.76 | 9.663 | | |
| 2,900.0 | 2,891.8 | 2,889.6 | 2,874.0 | 6.8 | 7.5 | 52.31 | 164.2 | -161.4 | 127.9 | 114.5 | 13.36 | 9.577 | | |
| 3,000.0 | 2,990.6 | 2,989.3 | 2,972.6 | 7.1 | 7.8 | 54.53 | 175.3 | -172.1 | 132.7 | 118.8 | 13.97 | 9.503 | | |
| 3,100.0 | 3,089.5 | 3,089.1 | 3,071.2 | 7.4 | 8.2 | 56.59 | 186.3 | -182.9 | 137.8 | 123.2 | 14.59 | 9.439 | | |
| 3,200.0 | 3,188.4 | 3,188.9 | 3,169.7 | 7.7 | 8.5 | 58.51 | 197.4 | -193.6 | 142.9 | 127.7 | 15.23 | 9.384 | | |
| 3,300.0 | 3,287.2 | 3,288.6 | 3,268.3 | 8.0 | 8.9 | 60.29 | 208.5 | -204.3 | 148.3 | 132.4 | 15.88 | 9.337 | | |
| 3,400.0 | 3,386.1 | 3,388.4 | 3,366.8 | 8.4 | 9.2 | 61.94 | 219.5 | -215.0 | 153.7 | 137.2 | 16.54 | 9.296 | | |
| 3,500.0 | 3,485.0 | 3,488.1 | 3,465.4 | 8.7 | 9.6 | 63.48 | 230.6 | -225.7 | 159.3 | 142.1 | 17.20 | 9.262 | | |
| 3,600.0 | 3,583.8 | 3,587.9 | 3,564.0 | 9.0 | 9.9 | 64.92 | 241.7 | -236.4 | 165.0 | 147.1 | 17.88 | 9.232 | | |
| 3,700.0 | 3,682.7 | 3,687.6 | 3,662.5 | 9.4 | 10.3 | 66.26 | 252.8 | -247.1 | 170.8 | 152.3 | 18.55 | 9.207 | | |
| 3,800.0 | 3,781.6 | 3,787.4 | 3,761.1 | 9.7 | 10.6 | 67.51 | 263.8 | -257.9 | 176.7 | 157.5 | 19.24 | 9.185 | | |
| 3,900.0 | 3,880.4 | 3,887.1 | 3,859.6 | 10.0 | 11.0 | 68.68 | 274.9 | -268.6 | 182.6 | 162.7 | 19.92 | 9.167 | | |
| 4,000.0 | 3,979.3 | 3,986.9 | 3,958.2 | 10.4 | 11.4 | 69.78 | 286.0 | -279.3 | 188.7 | 168.1 | 20.62 | 9.152 | | |
| 4,100.0 | 4,078.1 | 4,086.6 | 4,056.7 | 10.7 | 11.7 | 70.80 | 297.0 | -290.0 | 194.8 | 173.5 | 21.31 | 9.139 | | |
| 4,200.0 | 4,177.0 | 4,186.4 | 4,155.3 | 11.1 | 12.1 | 71.77 | 308.1 | -300.7 | 200.9 | 178.9 | 22.01 | 9.129 | | |
| 4,300.0 | 4,275.9 | 4,286.2 | 4,253.9 | 11.4 | 12.4 | 72.68 | 319.2 | -311.4 | 207.1 | 184.4 | 22.71 | 9.121 | | |
| 4,400.0 | 4,374.7 | 4,385.9 | 4,352.4 | 11.8 | 12.8 | 73.53 | 330.3 | -322.1 | 213.4 | 190.0 | 23.41 | 9.114 | | |
| 4,500.0 | 4,473.6 | 4,485.7 | 4,451.0 | 12.1 | 13.1 | 74.34 | 341.3 | -332.9 | 219.7 | 195.6 | 24.12 | 9.109 | | |
| 4,600.0 | 4,572.5 | 4,585.4 | 4,549.5 | 12.5 | 13.5 | 75.10 | 352.4 | -343.6 | 226.0 | 201.2 | 24.82 | 9.105 | | |
| 4,700.0 | 4,671.3 | 4,685.2 | 4,648.1 | 12.8 | 13.9 | 75.82 | 363.5 | -354.3 | 232.4 | 206.9 | 25.53 | 9.103 | | |
| 4,799.2 | 4,769.4 | 4,784.1 | 4,745.9 | 13.2 | 14.2 | 76.49 | 374.5 | -364.9 | 238.7 | 212.5 | 26.23 | 9.101 | | |
| 4,900.0 | 4,869.3 | 4,884.7 | 4,845.2 | 13.5 | 14.6 | 76.87 | 385.6 | -375.7 | 245.6 | 218.8 | 26.87 | 9.143 | | |

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

| | | | |
|---------------------------|--------------------------------------|-------------------------------------|-----------------------------|
| Company: | PETROLEUM DEVELOPMENT CORP DJ Basin | Local Co-ordinate Reference: | Well Bihain 26G-212 |
| Project: | SEC.26-T5N-R64W | TVD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Reference Site: | Bihain 5N64W26GK Pad Sec.26-T5N-R64W | MD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bihain 26G-212 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #1 (11-2-15) | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|--------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 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 | | |
| 5,000.0 | 4,968.8 | 4,984.4 | 4,943.7 | 13.7 | 14.9 | 76.48 | 396.7 | -386.4 | 253.3 | 225.9 | 27.38 | 9.252 | | |
| 5,100.0 | 5,068.6 | 5,083.8 | 5,042.0 | 13.9 | 15.3 | 75.39 | 407.7 | -397.1 | 261.8 | 234.0 | 27.80 | 9.417 | | |
| 5,200.0 | 5,168.6 | 5,188.7 | 5,145.8 | 14.0 | 15.6 | 73.79 | 418.4 | -407.4 | 270.5 | 242.4 | 28.13 | 9.619 | | |
| 5,231.4 | 5,200.0 | 5,222.1 | 5,179.0 | 14.1 | 15.7 | 2.70 | 421.2 | -410.2 | 273.0 | 247.5 | 25.55 | 10.687 | | |
| 5,300.0 | 5,268.6 | 5,295.2 | 5,251.7 | 14.2 | 15.9 | 1.61 | 426.4 | -415.2 | 277.7 | 251.8 | 25.93 | 10.712 | | |
| 5,400.0 | 5,368.6 | 5,402.4 | 5,358.6 | 14.4 | 16.1 | 0.55 | 431.7 | -420.3 | 282.6 | 256.1 | 26.43 | 10.689 | | |
| 5,500.0 | 5,468.6 | 5,510.0 | 5,466.1 | 14.6 | 16.3 | 0.09 | 434.0 | -422.6 | 284.7 | 257.9 | 26.86 | 10.600 | | |
| 5,600.0 | 5,568.6 | 5,612.4 | 5,568.6 | 14.7 | 16.4 | 0.06 | 434.2 | -422.7 | 284.9 | 257.6 | 27.24 | 10.459 | | |
| 5,700.0 | 5,668.6 | 5,712.4 | 5,668.6 | 14.9 | 16.6 | 0.06 | 434.2 | -422.7 | 284.9 | 257.3 | 27.62 | 10.313 | | |
| 5,800.0 | 5,768.6 | 5,812.4 | 5,768.6 | 15.1 | 16.7 | 0.06 | 434.2 | -422.7 | 284.9 | 256.9 | 28.01 | 10.171 | | |
| 5,835.4 | 5,804.0 | 5,847.8 | 5,804.0 | 15.2 | 16.8 | 0.06 | 434.2 | -422.7 | 284.9 | 256.7 | 28.15 | 10.121 | | |
| 5,850.0 | 5,818.6 | 5,862.4 | 5,818.6 | 15.2 | 16.8 | -89.97 | 434.2 | -422.7 | 284.9 | 254.6 | 30.23 | 9.423 | | |
| 5,856.7 | 5,825.2 | 5,869.0 | 5,825.2 | 15.2 | 16.8 | -90.00 | 434.2 | -422.7 | 284.9 | 254.6 | 30.25 | 9.417 | | |
| 5,900.0 | 5,868.5 | 5,912.3 | 5,868.5 | 15.2 | 16.9 | -90.49 | 434.2 | -422.7 | 284.9 | 254.5 | 30.34 | 9.389 | | |
| 5,950.0 | 5,918.1 | 5,962.4 | 5,918.5 | 15.3 | 17.0 | -91.40 | 434.2 | -421.4 | 285.0 | 254.6 | 30.38 | 9.380 | | |
| 6,000.0 | 5,967.3 | 6,012.8 | 5,968.7 | 15.3 | 17.0 | -92.30 | 434.2 | -416.8 | 285.1 | 254.7 | 30.37 | 9.388 | | |
| 6,050.0 | 6,015.7 | 6,063.5 | 6,018.8 | 15.3 | 17.0 | -93.20 | 434.2 | -408.8 | 285.3 | 255.0 | 30.33 | 9.409 | | |
| 6,100.0 | 6,063.3 | 6,114.5 | 6,068.5 | 15.3 | 17.0 | -94.09 | 434.2 | -397.4 | 285.6 | 255.4 | 30.25 | 9.440 | | |
| 6,150.0 | 6,109.7 | 6,165.9 | 6,117.7 | 15.3 | 17.0 | -94.96 | 434.2 | -382.7 | 286.0 | 255.8 | 30.16 | 9.480 | | |
| 6,200.0 | 6,154.9 | 6,217.5 | 6,166.0 | 15.3 | 17.0 | -95.81 | 434.2 | -364.5 | 286.4 | 256.3 | 30.07 | 9.524 | | |
| 6,250.0 | 6,198.5 | 6,269.5 | 6,213.3 | 15.2 | 17.0 | -96.64 | 434.2 | -343.0 | 286.8 | 256.8 | 29.97 | 9.569 | | |
| 6,300.0 | 6,240.4 | 6,321.7 | 6,259.3 | 15.2 | 16.9 | -97.43 | 434.2 | -318.2 | 287.3 | 257.4 | 29.90 | 9.608 | | |
| 6,350.0 | 6,280.5 | 6,374.3 | 6,303.7 | 15.2 | 16.9 | -98.19 | 434.2 | -290.1 | 287.8 | 258.0 | 29.87 | 9.636 | | |
| 6,400.0 | 6,318.5 | 6,427.1 | 6,346.3 | 15.3 | 16.8 | -98.92 | 434.2 | -258.9 | 288.4 | 258.5 | 29.90 | 9.645 | | |
| 6,450.0 | 6,354.4 | 6,480.2 | 6,386.8 | 15.4 | 16.8 | -99.60 | 434.2 | -224.6 | 288.9 | 258.9 | 30.01 | 9.628 | | |
| 6,500.0 | 6,387.8 | 6,533.6 | 6,425.1 | 15.5 | 16.8 | -100.25 | 434.2 | -187.4 | 289.5 | 259.3 | 30.23 | 9.578 | | |
| 6,550.0 | 6,418.8 | 6,587.2 | 6,460.8 | 15.7 | 16.8 | -100.84 | 434.2 | -147.4 | 290.1 | 259.5 | 30.57 | 9.487 | | |
| 6,600.0 | 6,447.2 | 6,641.1 | 6,493.8 | 16.0 | 16.8 | -101.39 | 434.2 | -104.8 | 290.6 | 259.5 | 31.07 | 9.353 | | |
| 6,650.0 | 6,472.7 | 6,695.2 | 6,523.8 | 16.4 | 16.9 | -101.88 | 434.2 | -59.8 | 291.1 | 259.4 | 31.73 | 9.174 | | |
| 6,700.0 | 6,495.5 | 6,749.5 | 6,550.6 | 16.9 | 17.1 | -102.32 | 434.2 | -12.6 | 291.6 | 259.0 | 32.57 | 8.952 | | |
| 6,750.0 | 6,515.2 | 6,804.0 | 6,574.1 | 17.4 | 17.5 | -102.70 | 434.2 | 36.5 | 292.0 | 258.4 | 33.61 | 8.690 | | |
| 6,800.0 | 6,531.9 | 6,858.6 | 6,594.1 | 18.1 | 18.0 | -103.02 | 434.2 | 87.3 | 292.4 | 257.6 | 34.82 | 8.398 | | |
| 6,850.0 | 6,545.5 | 6,913.4 | 6,610.4 | 18.8 | 18.8 | -103.29 | 434.2 | 139.6 | 292.7 | 256.5 | 36.21 | 8.084 | | |
| 6,900.0 | 6,555.9 | 6,968.2 | 6,623.0 | 19.6 | 19.6 | -103.49 | 434.2 | 193.0 | 293.0 | 255.2 | 37.76 | 7.759 | | |
| 6,950.0 | 6,563.1 | 7,023.2 | 6,631.7 | 20.5 | 20.5 | -103.64 | 434.2 | 247.2 | 293.1 | 253.7 | 39.45 | 7.430 | | |
| 7,000.0 | 6,567.1 | 7,078.1 | 6,636.5 | 21.4 | 21.5 | -103.72 | 434.2 | 302.0 | 293.2 | 252.0 | 41.27 | 7.106 | | |
| 7,042.3 | 6,567.9 | 7,124.6 | 6,637.5 | 22.2 | 22.4 | -103.73 | 434.2 | 348.4 | 293.3 | 250.4 | 42.88 | 6.840 | | |
| 7,100.0 | 6,567.4 | 7,182.2 | 6,637.1 | 23.3 | 23.6 | -103.75 | 434.2 | 406.1 | 293.3 | 248.2 | 45.10 | 6.503 | | |
| 7,200.0 | 6,566.4 | 7,282.2 | 6,636.3 | 25.4 | 25.7 | -103.78 | 434.2 | 506.1 | 293.3 | 244.1 | 49.18 | 5.964 | | |
| 7,300.0 | 6,565.5 | 7,382.2 | 6,635.6 | 27.7 | 27.9 | -103.81 | 434.2 | 606.1 | 293.4 | 239.9 | 53.50 | 5.483 | | |
| 7,400.0 | 6,564.6 | 7,482.2 | 6,634.8 | 30.0 | 30.2 | -103.84 | 434.2 | 706.1 | 293.4 | 235.4 | 58.02 | 5.057 | | |
| 7,500.0 | 6,563.7 | 7,582.2 | 6,634.1 | 32.4 | 32.6 | -103.87 | 434.2 | 806.1 | 293.4 | 230.8 | 62.68 | 4.681 | | |
| 7,600.0 | 6,562.8 | 7,682.2 | 6,633.3 | 34.9 | 35.1 | -103.90 | 434.2 | 906.1 | 293.5 | 226.0 | 67.46 | 4.350 | | |
| 7,700.0 | 6,561.9 | 7,782.2 | 6,632.6 | 37.4 | 37.6 | -103.93 | 434.2 | 1,006.0 | 293.5 | 221.2 | 72.34 | 4.057 | | |
| 7,800.0 | 6,561.0 | 7,882.2 | 6,631.8 | 39.9 | 40.1 | -103.96 | 434.2 | 1,106.0 | 293.5 | 216.3 | 77.29 | 3.798 | | |
| 7,900.0 | 6,560.1 | 7,982.2 | 6,631.1 | 42.5 | 42.7 | -103.99 | 434.2 | 1,206.0 | 293.6 | 211.3 | 82.31 | 3.567 | | |
| 8,000.0 | 6,559.2 | 8,082.2 | 6,630.3 | 45.1 | 45.3 | -104.02 | 434.2 | 1,306.0 | 293.6 | 206.2 | 87.37 | 3.361 | | |
| 8,100.0 | 6,558.3 | 8,182.2 | 6,629.6 | 47.8 | 47.9 | -104.05 | 434.2 | 1,406.0 | 293.7 | 201.2 | 92.48 | 3.175 | | |
| 8,200.0 | 6,557.4 | 8,282.2 | 6,628.8 | 50.4 | 50.6 | -104.08 | 434.2 | 1,506.0 | 293.7 | 196.1 | 97.63 | 3.008 | | |
| 8,300.0 | 6,556.5 | 8,382.2 | 6,628.1 | 53.1 | 53.2 | -104.11 | 434.2 | 1,606.0 | 293.7 | 190.9 | 102.80 | 2.857 | | |
| 8,400.0 | 6,555.6 | 8,482.2 | 6,627.3 | 55.8 | 55.9 | -104.14 | 434.2 | 1,706.0 | 293.8 | 185.8 | 108.00 | 2.720 | | |

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

| | | | |
|---------------------------|--------------------------------------|-------------------------------------|-----------------------------|
| Company: | PETROLEUM DEVELOPMENT CORP DJ Basin | Local Co-ordinate Reference: | Well Bihain 26G-212 |
| Project: | SEC.26-T5N-R64W | TVD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Reference Site: | Bihain 5N64W26GK Pad Sec.26-T5N-R64W | MD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bihain 26G-212 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #1 (11-2-15) | Offset TVD Reference: | Offset Datum |

| Offset Design | | Bihain 5N64W26GK Pad Sec.26-T5N-R64W - Bihain 26F-332 - Wellbore #1 - Plan #1 (11-2-15) | | | | | | | | | | Offset Site Error: | | 0.0 ft |
|-----------------------|---------------------|---|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|--------------------|--|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | Offset Well Error: | | 0.0 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 | | |
| 8,500.0 | 6,554.6 | 8,582.2 | 6,626.6 | 58.5 | 58.6 | -104.17 | 434.2 | 1,806.0 | 293.8 | 180.6 | 113.23 | 2.595 | | |
| 8,600.0 | 6,553.7 | 8,682.2 | 6,625.8 | 61.2 | 61.3 | -104.20 | 434.2 | 1,906.0 | 293.9 | 175.4 | 118.47 | 2.480 | | |
| 8,700.0 | 6,552.8 | 8,782.2 | 6,625.1 | 63.9 | 64.0 | -104.23 | 434.2 | 2,006.0 | 293.9 | 170.2 | 123.72 | 2.375 | | |
| 8,800.0 | 6,551.9 | 8,882.2 | 6,624.3 | 66.6 | 66.7 | -104.26 | 434.2 | 2,106.0 | 293.9 | 164.9 | 129.00 | 2.279 | | |
| 8,900.0 | 6,551.0 | 8,982.2 | 6,623.6 | 69.3 | 69.4 | -104.29 | 434.2 | 2,206.0 | 294.0 | 159.7 | 134.28 | 2.189 | | |
| 9,000.0 | 6,550.1 | 9,082.2 | 6,622.8 | 72.1 | 72.2 | -104.32 | 434.2 | 2,306.0 | 294.0 | 154.4 | 139.57 | 2.106 | | |
| | | | | | | | | | | | | | | |
| 9,100.0 | 6,549.2 | 9,182.2 | 6,622.1 | 74.8 | 74.9 | -104.35 | 434.2 | 2,406.0 | 294.0 | 149.2 | 144.88 | 2.030 | | |
| 9,200.0 | 6,548.3 | 9,282.2 | 6,621.3 | 77.6 | 77.6 | -104.38 | 434.2 | 2,506.0 | 294.1 | 143.9 | 150.19 | 1.958 | | |
| 9,300.0 | 6,547.4 | 9,382.2 | 6,620.6 | 80.3 | 80.4 | -104.41 | 434.2 | 2,606.0 | 294.1 | 138.6 | 155.51 | 1.891 | | |
| 9,400.0 | 6,546.5 | 9,482.2 | 6,619.8 | 83.1 | 83.1 | -104.43 | 434.2 | 2,706.0 | 294.2 | 133.3 | 160.83 | 1.829 | | |
| 9,500.0 | 6,545.6 | 9,582.2 | 6,619.1 | 85.8 | 85.9 | -104.46 | 434.2 | 2,806.0 | 294.2 | 128.0 | 166.16 | 1.771 | | |
| | | | | | | | | | | | | | | |
| 9,600.0 | 6,544.7 | 9,682.2 | 6,618.3 | 88.6 | 88.7 | -104.49 | 434.2 | 2,906.0 | 294.2 | 122.7 | 171.50 | 1.716 | | |
| 9,700.0 | 6,543.8 | 9,782.2 | 6,617.6 | 91.4 | 91.4 | -104.52 | 434.2 | 3,006.0 | 294.3 | 117.4 | 176.84 | 1.664 | | |
| 9,800.0 | 6,542.8 | 9,882.2 | 6,616.8 | 94.1 | 94.2 | -104.55 | 434.2 | 3,106.0 | 294.3 | 112.1 | 182.18 | 1.616 | | |
| 9,900.0 | 6,541.9 | 9,982.2 | 6,616.1 | 96.9 | 96.9 | -104.58 | 434.2 | 3,206.0 | 294.4 | 106.8 | 187.53 | 1.570 | | |
| 10,000.0 | 6,541.0 | 10,082.2 | 6,615.3 | 99.7 | 99.7 | -104.61 | 434.2 | 3,306.0 | 294.4 | 101.5 | 192.88 | 1.526 | | |
| | | | | | | | | | | | | | | |
| 10,100.0 | 6,540.1 | 10,182.2 | 6,614.6 | 102.4 | 102.5 | -104.64 | 434.2 | 3,406.0 | 294.4 | 96.2 | 198.23 | 1.485 Level 3 | | |
| 10,200.0 | 6,539.2 | 10,282.2 | 6,613.8 | 105.2 | 105.3 | -104.67 | 434.2 | 3,506.0 | 294.5 | 90.9 | 203.59 | 1.446 Level 3 | | |
| 10,300.0 | 6,538.3 | 10,382.2 | 6,613.0 | 108.0 | 108.0 | -104.70 | 434.2 | 3,606.0 | 294.5 | 85.6 | 208.94 | 1.410 Level 3 | | |
| 10,400.0 | 6,537.4 | 10,482.2 | 6,612.3 | 110.8 | 110.8 | -104.73 | 434.2 | 3,706.0 | 294.6 | 80.3 | 214.30 | 1.375 Level 3 | | |
| 10,500.0 | 6,536.5 | 10,582.2 | 6,611.5 | 113.5 | 113.6 | -104.76 | 434.2 | 3,806.0 | 294.6 | 74.9 | 219.66 | 1.341 Level 3 | | |
| | | | | | | | | | | | | | | |
| 10,600.0 | 6,535.6 | 10,682.2 | 6,610.8 | 116.3 | 116.4 | -104.79 | 434.2 | 3,906.0 | 294.6 | 69.6 | 225.02 | 1.309 Level 3 | | |
| 10,700.0 | 6,534.7 | 10,782.2 | 6,610.0 | 119.1 | 119.1 | -104.82 | 434.2 | 4,006.0 | 294.7 | 64.3 | 230.39 | 1.279 Level 3 | | |
| 10,800.0 | 6,533.8 | 10,882.2 | 6,609.3 | 121.9 | 121.9 | -104.85 | 434.2 | 4,106.0 | 294.7 | 59.0 | 235.75 | 1.250 Level 3 | | |
| 10,900.0 | 6,532.9 | 10,982.2 | 6,608.5 | 124.7 | 124.7 | -104.88 | 434.2 | 4,206.0 | 294.8 | 53.7 | 241.12 | 1.223 Level 2 | | |
| 11,000.0 | 6,532.0 | 11,082.2 | 6,607.8 | 127.5 | 127.5 | -104.91 | 434.2 | 4,306.0 | 294.8 | 48.3 | 246.48 | 1.196 Level 2 | | |
| | | | | | | | | | | | | | | |
| 11,100.0 | 6,531.0 | 11,182.2 | 6,607.0 | 130.3 | 130.3 | -104.94 | 434.2 | 4,405.9 | 294.8 | 43.0 | 251.85 | 1.171 Level 2 | | |
| 11,200.0 | 6,530.1 | 11,282.2 | 6,606.3 | 133.0 | 133.1 | -104.97 | 434.2 | 4,505.9 | 294.9 | 37.7 | 257.21 | 1.146 Level 2 | | |
| 11,300.0 | 6,529.2 | 11,382.2 | 6,605.5 | 135.8 | 135.9 | -105.00 | 434.2 | 4,605.9 | 294.9 | 32.4 | 262.58 | 1.123 Level 2 | | |
| 11,400.0 | 6,528.3 | 11,482.2 | 6,604.8 | 138.6 | 138.7 | -105.03 | 434.2 | 4,705.9 | 295.0 | 27.0 | 267.94 | 1.101 Level 2 | | |
| 11,500.0 | 6,527.4 | 11,582.2 | 6,604.0 | 141.4 | 141.4 | -105.06 | 434.2 | 4,805.9 | 295.0 | 21.7 | 273.31 | 1.079 Level 2 | | |
| | | | | | | | | | | | | | | |
| 11,600.0 | 6,526.5 | 11,682.2 | 6,603.3 | 144.2 | 144.2 | -105.08 | 434.2 | 4,905.9 | 295.1 | 16.4 | 278.68 | 1.059 Level 2 | | |
| 11,700.0 | 6,525.6 | 11,782.2 | 6,602.5 | 147.0 | 147.0 | -105.11 | 434.2 | 5,005.9 | 295.1 | 11.0 | 284.04 | 1.039 Level 2 | | |
| 11,800.0 | 6,524.7 | 11,882.2 | 6,601.8 | 149.8 | 149.8 | -105.14 | 434.2 | 5,105.9 | 295.1 | 5.7 | 289.41 | 1.020 Level 2 | | |
| 11,900.0 | 6,523.8 | 11,982.2 | 6,601.0 | 152.6 | 152.6 | -105.17 | 434.2 | 5,205.9 | 295.2 | 0.4 | 294.77 | 1.001 Level 2 | | |
| 12,000.0 | 6,522.9 | 12,082.2 | 6,600.3 | 155.4 | 155.4 | -105.20 | 434.2 | 5,305.9 | 295.2 | -4.9 | 300.14 | 0.984 Level 1 | | |
| | | | | | | | | | | | | | | |
| 12,100.0 | 6,522.0 | 12,182.2 | 6,599.5 | 158.2 | 158.2 | -105.23 | 434.2 | 5,405.9 | 295.3 | -10.2 | 305.51 | 0.966 Level 1 | | |
| 12,200.0 | 6,521.1 | 12,282.2 | 6,598.8 | 161.0 | 161.0 | -105.26 | 434.2 | 5,505.9 | 295.3 | -15.6 | 310.87 | 0.950 Level 1 | | |
| 12,300.0 | 6,520.2 | 12,382.2 | 6,598.0 | 163.8 | 163.8 | -105.29 | 434.2 | 5,605.9 | 295.3 | -20.9 | 316.23 | 0.934 Level 1 | | |
| 12,400.0 | 6,519.2 | 12,482.2 | 6,597.3 | 166.6 | 166.6 | -105.32 | 434.2 | 5,705.9 | 295.4 | -26.2 | 321.60 | 0.918 Level 1 | | |
| 12,500.0 | 6,518.3 | 12,582.2 | 6,596.5 | 169.4 | 169.4 | -105.35 | 434.2 | 5,805.9 | 295.4 | -31.5 | 326.96 | 0.904 Level 1 | | |
| | | | | | | | | | | | | | | |
| 12,600.0 | 6,517.4 | 12,682.2 | 6,595.8 | 172.2 | 172.2 | -105.38 | 434.2 | 5,905.9 | 295.5 | -36.9 | 332.32 | 0.889 Level 1 | | |
| 12,700.0 | 6,516.5 | 12,782.2 | 6,595.0 | 175.0 | 175.0 | -105.41 | 434.2 | 6,005.9 | 295.5 | -42.2 | 337.68 | 0.875 Level 1 | | |
| 12,800.0 | 6,515.6 | 12,882.2 | 6,594.3 | 177.8 | 177.8 | -105.44 | 434.2 | 6,105.9 | 295.6 | -47.5 | 343.04 | 0.862 Level 1 | | |
| 12,900.0 | 6,514.7 | 12,982.2 | 6,593.5 | 180.5 | 180.6 | -105.47 | 434.2 | 6,205.9 | 295.6 | -52.8 | 348.40 | 0.848 Level 1 | | |
| 13,000.0 | 6,513.8 | 13,082.2 | 6,592.8 | 183.3 | 183.4 | -105.50 | 434.2 | 6,305.9 | 295.6 | -58.1 | 353.76 | 0.836 Level 1 | | |
| | | | | | | | | | | | | | | |
| 13,100.0 | 6,512.9 | 13,182.2 | 6,592.0 | 186.1 | 186.2 | -105.53 | 434.2 | 6,405.9 | 295.7 | -63.4 | 359.12 | 0.823 Level 1 | | |
| 13,200.0 | 6,512.0 | 13,282.2 | 6,591.3 | 188.9 | 189.0 | -105.55 | 434.2 | 6,505.9 | 295.7 | -68.8 | 364.48 | 0.811 Level 1 | | |
| 13,300.0 | 6,511.1 | 13,382.2 | 6,590.5 | 191.7 | 191.8 | -105.58 | 434.1 | 6,605.9 | 295.8 | -74.1 | 369.83 | 0.800 Level 1 | | |
| 13,400.0 | 6,510.2 | 13,482.2 | 6,589.8 | 194.5 | 194.6 | -105.61 | 434.1 | 6,705.9 | 295.8 | -79.4 | 375.19 | 0.788 Level 1 | | |
| 13,500.0 | 6,509.3 | 13,582.2 | 6,589.0 | 197.3 | 197.4 | -105.64 | 434.1 | 6,805.9 | 295.8 | -84.7 | 380.54 | 0.777 Level 1 | | |

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

| | | | |
|---------------------------|--------------------------------------|-------------------------------------|-----------------------------|
| Company: | PETROLEUM DEVELOPMENT CORP DJ Basin | Local Co-ordinate Reference: | Well Bihain 26G-212 |
| Project: | SEC.26-T5N-R64W | TVD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Reference Site: | Bihain 5N64W26GK Pad Sec.26-T5N-R64W | MD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bihain 26G-212 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #1 (11-2-15) | Offset TVD Reference: | Offset Datum |

| | | | | | | | | | | | | | | |
|--|----------------------------|----------------------------|----------------------------|------------------------|--------------------|------------------------------|--|-------------------|-----------------------------|------------------------------|--------------------------------|--------------------------|---------------------------|--------|
| Offset Design Bihain 5N64W26GK Pad Sec.26-T5N-R64W - Bihain 26F-332 - Wellbore #1 - Plan #1 (11-2-15) | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| 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 | |
| 13,600.0 | 6,508.4 | 13,682.2 | 6,588.3 | 200.1 | 200.2 | -105.67 | 434.1 | 6,905.9 | 295.9 | -90.0 | 385.90 | 0.767 | Level 1 | |
| 13,618.6 | 6,508.2 | 13,700.8 | 6,588.1 | 200.7 | 200.7 | -105.68 | 434.1 | 6,924.5 | 295.9 | -91.0 | 386.89 | 0.765 | Level 1 | |
| 13,639.5 | 6,508.0 | 13,720.0 | 6,588.0 | 201.3 | 201.2 | -105.68 | 434.1 | 6,943.6 | 295.9 | -92.1 | 387.96 | 0.763 | Level 1, ES, SF | |

| | | | |
|---------------------------|--------------------------------------|-------------------------------------|-----------------------------|
| Company: | PETROLEUM DEVELOPMENT CORP DJ Basin | Local Co-ordinate Reference: | Well Bihain 26G-212 |
| Project: | SEC.26-T5N-R64W | TVD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Reference Site: | Bihain 5N64W26GK Pad Sec.26-T5N-R64W | MD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bihain 26G-212 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #1 (11-2-15) | Offset TVD Reference: | Offset Datum |

| Offset Design Bihain 5N64W26GK Pad Sec.26-T5N-R64W - Bihain 26G-202 - Wellbore #1 - Plan #1 (11-2-15) | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|---|---------------------|---------------------|---------------------|----------------|-------------|--|--------------------------------------|------------|----------------------------------|-----------------------|-------------------------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Semi Major Axis Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Distance Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | Warning |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 129.32 | -18.9 | 23.1 | 29.9 | | | | |
| 100.0 | 100.0 | 100.0 | 100.0 | 0.1 | 0.1 | 129.32 | -18.9 | 23.1 | 29.9 | 29.7 | 0.22 | 133.008 | |
| 200.0 | 200.0 | 200.0 | 200.0 | 0.3 | 0.3 | 129.32 | -18.9 | 23.1 | 29.9 | 29.2 | 0.67 | 44.336 | |
| 300.0 | 300.0 | 300.0 | 300.0 | 0.6 | 0.6 | 129.32 | -18.9 | 23.1 | 29.9 | 28.8 | 1.12 | 26.602 | |
| 400.0 | 400.0 | 400.0 | 400.0 | 0.8 | 0.8 | 129.32 | -18.9 | 23.1 | 29.9 | 28.3 | 1.57 | 19.001 | |
| 500.0 | 500.0 | 500.0 | 500.0 | 1.0 | 1.0 | 129.32 | -18.9 | 23.1 | 29.9 | 27.9 | 2.02 | 14.779 | |
| 600.0 | 600.0 | 600.0 | 600.0 | 1.2 | 1.2 | 129.32 | -18.9 | 23.1 | 29.9 | 27.4 | 2.47 | 12.092 | |
| 700.0 | 700.0 | 700.0 | 700.0 | 1.5 | 1.5 | 129.32 | -18.9 | 23.1 | 29.9 | 27.0 | 2.92 | 10.231 | |
| 800.0 | 800.0 | 800.0 | 800.0 | 1.7 | 1.7 | 129.32 | -18.9 | 23.1 | 29.9 | 26.5 | 3.37 | 8.867 | |
| 900.0 | 900.0 | 900.0 | 900.0 | 1.9 | 1.9 | 129.32 | -18.9 | 23.1 | 29.9 | 26.1 | 3.82 | 7.824 | |
| 1,000.0 | 1,000.0 | 1,000.0 | 1,000.0 | 2.1 | 2.1 | 129.32 | -18.9 | 23.1 | 29.9 | 25.6 | 4.27 | 7.000 | |
| 1,100.0 | 1,100.0 | 1,100.0 | 1,100.0 | 2.4 | 2.4 | 129.32 | -18.9 | 23.1 | 29.9 | 25.2 | 4.72 | 6.334 | |
| 1,200.0 | 1,200.0 | 1,200.0 | 1,200.0 | 2.6 | 2.6 | 129.32 | -18.9 | 23.1 | 29.9 | 24.7 | 5.17 | 5.783 | |
| 1,300.0 | 1,300.0 | 1,300.0 | 1,300.0 | 2.8 | 2.8 | 129.32 | -18.9 | 23.1 | 29.9 | 24.3 | 5.62 | 5.320 | |
| 1,400.0 | 1,400.0 | 1,400.0 | 1,400.0 | 3.0 | 3.0 | 129.32 | -18.9 | 23.1 | 29.9 | 23.8 | 6.07 | 4.926 | |
| 1,500.0 | 1,500.0 | 1,500.2 | 1,500.2 | 3.3 | 3.2 | 131.74 | -19.6 | 22.0 | 29.5 | 23.0 | 6.50 | 4.540 | |
| 1,600.0 | 1,600.0 | 1,600.3 | 1,600.2 | 3.5 | 3.4 | 139.32 | -21.7 | 18.7 | 28.6 | 21.7 | 6.91 | 4.144 | |
| 1,636.1 | 1,636.1 | 1,636.4 | 1,636.3 | 3.6 | 3.5 | -146.13 | -22.8 | 16.9 | 28.5 | 21.4 | 7.06 | 4.036 | CC, ES |
| 1,700.0 | 1,700.0 | 1,700.2 | 1,699.9 | 3.7 | 3.6 | -138.13 | -25.2 | 13.1 | 29.0 | 21.7 | 7.32 | 3.964 | |
| 1,800.0 | 1,800.0 | 1,799.7 | 1,799.0 | 3.9 | 3.8 | -124.93 | -30.0 | 5.4 | 32.3 | 24.6 | 7.74 | 4.178 | |
| 1,900.0 | 1,899.9 | 1,898.9 | 1,897.5 | 4.1 | 4.1 | -113.52 | -36.1 | -4.5 | 38.9 | 30.7 | 8.17 | 4.761 | |
| 2,000.0 | 1,999.7 | 1,997.7 | 1,995.3 | 4.3 | 4.3 | -105.08 | -43.6 | -16.5 | 48.5 | 39.9 | 8.62 | 5.630 | |
| 2,100.0 | 2,099.4 | 2,097.0 | 2,093.4 | 4.6 | 4.6 | -100.33 | -51.6 | -29.4 | 59.8 | 50.7 | 9.08 | 6.588 | |
| 2,200.0 | 2,198.9 | 2,196.3 | 2,191.5 | 4.8 | 4.8 | -98.45 | -59.6 | -42.4 | 71.6 | 62.0 | 9.56 | 7.493 | |
| 2,300.0 | 2,298.3 | 2,295.5 | 2,289.6 | 5.0 | 5.1 | -98.26 | -67.6 | -55.3 | 83.7 | 73.6 | 10.06 | 8.321 | |
| 2,400.0 | 2,397.4 | 2,394.8 | 2,387.6 | 5.3 | 5.4 | -99.12 | -75.7 | -68.2 | 96.0 | 85.4 | 10.58 | 9.074 | |
| 2,464.5 | 2,461.2 | 2,458.7 | 2,450.8 | 5.5 | 5.6 | -100.06 | -80.8 | -76.5 | 104.1 | 93.2 | 10.93 | 9.524 | |
| 2,500.0 | 2,496.3 | 2,493.9 | 2,485.6 | 5.6 | 5.7 | -100.66 | -83.7 | -81.1 | 108.7 | 97.5 | 11.13 | 9.760 | |
| 2,600.0 | 2,595.2 | 2,593.0 | 2,583.6 | 5.9 | 6.1 | -102.11 | -91.7 | -94.0 | 121.5 | 109.8 | 11.71 | 10.376 | |
| 2,700.0 | 2,694.0 | 2,692.2 | 2,681.5 | 6.2 | 6.4 | -103.28 | -99.7 | -106.9 | 134.3 | 122.0 | 12.29 | 10.928 | |
| 2,800.0 | 2,792.9 | 2,791.3 | 2,779.5 | 6.5 | 6.7 | -104.25 | -107.7 | -119.8 | 147.2 | 134.3 | 12.89 | 11.424 | |
| 2,900.0 | 2,891.8 | 2,890.5 | 2,877.5 | 6.8 | 7.0 | -105.06 | -115.8 | -132.8 | 160.1 | 146.7 | 13.49 | 11.869 | |
| 3,000.0 | 2,990.6 | 2,989.6 | 2,975.4 | 7.1 | 7.4 | -105.75 | -123.8 | -145.7 | 173.1 | 159.0 | 14.11 | 12.271 | |
| 3,100.0 | 3,089.5 | 3,088.7 | 3,073.4 | 7.4 | 7.7 | -106.34 | -131.8 | -158.6 | 186.1 | 171.4 | 14.73 | 12.635 | |
| 3,200.0 | 3,188.4 | 3,187.9 | 3,171.4 | 7.7 | 8.1 | -106.86 | -139.8 | -171.5 | 199.1 | 183.7 | 15.36 | 12.964 | |
| 3,300.0 | 3,287.2 | 3,287.0 | 3,269.3 | 8.0 | 8.4 | -107.31 | -147.8 | -184.4 | 212.1 | 196.1 | 15.99 | 13.265 | |
| 3,400.0 | 3,386.1 | 3,386.1 | 3,367.3 | 8.4 | 8.8 | -107.71 | -155.8 | -197.3 | 225.1 | 208.5 | 16.63 | 13.538 | |
| 3,500.0 | 3,485.0 | 3,485.3 | 3,465.3 | 8.7 | 9.1 | -108.06 | -163.9 | -210.2 | 238.2 | 220.9 | 17.27 | 13.789 | |
| 3,600.0 | 3,583.8 | 3,584.4 | 3,563.2 | 9.0 | 9.5 | -108.38 | -171.9 | -223.1 | 251.2 | 233.3 | 17.92 | 14.019 | |
| 3,700.0 | 3,682.7 | 3,683.6 | 3,661.2 | 9.4 | 9.8 | -108.67 | -179.9 | -236.0 | 264.3 | 245.7 | 18.57 | 14.231 | |
| 3,800.0 | 3,781.6 | 3,782.7 | 3,759.2 | 9.7 | 10.2 | -108.93 | -187.9 | -248.9 | 277.3 | 258.1 | 19.22 | 14.426 | |
| 3,900.0 | 3,880.4 | 3,881.8 | 3,857.1 | 10.0 | 10.5 | -109.17 | -195.9 | -261.8 | 290.4 | 270.5 | 19.88 | 14.607 | |
| 4,000.0 | 3,979.3 | 3,981.0 | 3,955.1 | 10.4 | 10.9 | -109.39 | -204.0 | -274.8 | 303.4 | 282.9 | 20.54 | 14.774 | |
| 4,100.0 | 4,078.1 | 4,080.1 | 4,053.1 | 10.7 | 11.2 | -109.59 | -212.0 | -287.7 | 316.5 | 295.3 | 21.20 | 14.930 | |
| 4,200.0 | 4,177.0 | 4,179.2 | 4,151.0 | 11.1 | 11.6 | -109.77 | -220.0 | -300.6 | 329.6 | 307.7 | 21.86 | 15.075 | |
| 4,300.0 | 4,275.9 | 4,278.4 | 4,249.0 | 11.4 | 11.9 | -109.94 | -228.0 | -313.5 | 342.6 | 320.1 | 22.53 | 15.210 | |
| 4,400.0 | 4,374.7 | 4,377.5 | 4,346.9 | 11.8 | 12.3 | -110.10 | -236.0 | -326.4 | 355.7 | 332.5 | 23.19 | 15.337 | |
| 4,500.0 | 4,473.6 | 4,476.6 | 4,444.9 | 12.1 | 12.7 | -110.24 | -244.0 | -339.3 | 368.8 | 344.9 | 23.86 | 15.455 | |
| 4,600.0 | 4,572.5 | 4,575.8 | 4,542.9 | 12.5 | 13.0 | -110.38 | -252.1 | -352.2 | 381.9 | 357.4 | 24.53 | 15.566 | |
| 4,700.0 | 4,671.3 | 4,674.9 | 4,640.8 | 12.8 | 13.4 | -110.51 | -260.1 | -365.1 | 395.0 | 369.8 | 25.21 | 15.671 | |
| 4,799.2 | 4,769.4 | 4,773.3 | 4,738.0 | 13.2 | 13.7 | -110.62 | -268.0 | -377.9 | 408.0 | 382.1 | 25.87 | 15.768 | |

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

| | | | |
|---------------------------|--------------------------------------|-------------------------------------|-----------------------------|
| Company: | PETROLEUM DEVELOPMENT CORP DJ Basin | Local Co-ordinate Reference: | Well Bihain 26G-212 |
| Project: | SEC.26-T5N-R64W | TVD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Reference Site: | Bihain 5N64W26GK Pad Sec.26-T5N-R64W | MD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bihain 26G-212 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #1 (11-2-15) | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Bihain 5N64W26GK Pad Sec.26-T5N-R64W - Bihain 26G-202 - Wellbore #1 - Plan #1 (11-2-15) | | Offset Site Error: | | 0.0 ft | |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|---|--------------------|--------------------|--------|--------|--|
| Survey Program: 0-MWD | | | | | | | | | | | | | | Offset Well Error: | | 0.0 ft | | |
| 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 | | | | | |
| 4,900.0 | 4,869.3 | 4,873.3 | 4,836.8 | 13.5 | 14.1 | -110.74 | -276.1 | -390.9 | 420.5 | 394.0 | 26.51 | 15.861 | | | | | | |
| 5,000.0 | 4,968.8 | 4,978.8 | 4,941.3 | 13.7 | 14.4 | -110.50 | -284.0 | -403.7 | 431.2 | 404.2 | 27.02 | 15.960 | | | | | | |
| 5,100.0 | 5,068.6 | 5,086.9 | 5,048.7 | 13.9 | 14.7 | -110.18 | -290.1 | -413.5 | 438.9 | 411.5 | 27.46 | 15.984 | | | | | | |
| 5,200.0 | 5,168.6 | 5,195.4 | 5,157.0 | 14.0 | 14.9 | -109.81 | -294.1 | -419.8 | 443.5 | 415.6 | 27.84 | 15.929 | | | | | | |
| 5,231.4 | 5,200.0 | 5,229.6 | 5,191.2 | 14.1 | 14.9 | 179.76 | -294.9 | -421.1 | 444.2 | 419.8 | 24.47 | 18.158 | | | | | | |
| 5,300.0 | 5,268.6 | 5,304.2 | 5,265.8 | 14.2 | 15.1 | 179.96 | -295.8 | -422.7 | 445.1 | 420.4 | 24.73 | 17.997 | | | | | | |
| 5,400.0 | 5,368.6 | 5,407.0 | 5,368.6 | 14.4 | 15.2 | 179.98 | -295.9 | -422.9 | 445.2 | 420.1 | 25.12 | 17.724 | | | | | | |
| 5,500.0 | 5,468.6 | 5,507.0 | 5,468.6 | 14.6 | 15.4 | 179.98 | -295.9 | -422.9 | 445.2 | 419.7 | 25.50 | 17.458 | | | | | | |
| 5,600.0 | 5,568.6 | 5,607.0 | 5,568.6 | 14.7 | 15.5 | 179.98 | -295.9 | -422.9 | 445.2 | 419.4 | 25.89 | 17.199 | | | | | | |
| 5,700.0 | 5,668.6 | 5,707.0 | 5,668.6 | 14.9 | 15.7 | 179.98 | -295.9 | -422.9 | 445.2 | 419.0 | 26.27 | 16.946 | | | | | | |
| 5,800.0 | 5,768.6 | 5,807.0 | 5,768.6 | 15.1 | 15.8 | 179.98 | -295.9 | -422.9 | 445.2 | 418.6 | 26.66 | 16.699 | | | | | | |
| 5,835.4 | 5,804.0 | 5,842.4 | 5,804.0 | 15.2 | 15.9 | 179.98 | -295.9 | -422.9 | 445.2 | 418.4 | 26.80 | 16.614 | | | | | | |
| 5,850.0 | 5,818.6 | 5,857.0 | 5,818.6 | 15.2 | 15.9 | 89.99 | -295.9 | -422.7 | 445.2 | 415.1 | 30.10 | 14.792 | | | | | | |
| 5,900.0 | 5,868.5 | 5,907.0 | 5,868.5 | 15.2 | 16.0 | 89.99 | -295.9 | -420.2 | 445.2 | 415.0 | 30.22 | 14.735 | | | | | | |
| 5,950.0 | 5,918.1 | 5,957.0 | 5,918.1 | 15.3 | 16.0 | 90.00 | -295.9 | -414.4 | 445.2 | 415.0 | 30.29 | 14.700 | | | | | | |
| 6,000.0 | 5,967.3 | 6,007.0 | 5,967.3 | 15.3 | 16.0 | 90.00 | -295.9 | -405.4 | 445.2 | 414.9 | 30.32 | 14.684 | | | | | | |
| 6,050.0 | 6,015.7 | 6,057.0 | 6,015.8 | 15.3 | 16.0 | 90.01 | -295.9 | -393.1 | 445.2 | 414.9 | 30.32 | 14.686 | | | | | | |
| 6,100.0 | 6,063.3 | 6,107.0 | 6,063.3 | 15.3 | 16.0 | 90.02 | -295.9 | -377.8 | 445.2 | 415.0 | 30.29 | 14.701 | | | | | | |
| 6,150.0 | 6,109.7 | 6,157.0 | 6,109.8 | 15.3 | 16.0 | 90.02 | -295.9 | -359.3 | 445.2 | 415.0 | 30.24 | 14.724 | | | | | | |
| 6,200.0 | 6,154.9 | 6,207.0 | 6,155.0 | 15.3 | 15.9 | 90.03 | -295.9 | -337.8 | 445.2 | 415.1 | 30.19 | 14.750 | | | | | | |
| 6,250.0 | 6,198.5 | 6,257.0 | 6,198.7 | 15.2 | 15.9 | 90.04 | -295.9 | -313.5 | 445.2 | 415.1 | 30.14 | 14.770 | | | | | | |
| 6,300.0 | 6,240.4 | 6,307.1 | 6,240.6 | 15.2 | 15.8 | 90.04 | -295.9 | -286.3 | 445.2 | 415.1 | 30.13 | 14.777 | | | | | | |
| 6,350.0 | 6,280.5 | 6,357.1 | 6,280.8 | 15.2 | 15.8 | 90.05 | -295.9 | -256.4 | 445.2 | 415.1 | 30.16 | 14.761 | | | | | | |
| 6,400.0 | 6,318.5 | 6,407.1 | 6,318.8 | 15.3 | 15.8 | 90.05 | -295.9 | -224.0 | 445.2 | 415.0 | 30.27 | 14.711 | | | | | | |
| 6,450.0 | 6,354.4 | 6,457.1 | 6,354.7 | 15.4 | 15.8 | 90.06 | -295.9 | -189.1 | 445.2 | 414.8 | 30.46 | 14.617 | | | | | | |
| 6,500.0 | 6,387.8 | 6,507.2 | 6,388.2 | 15.5 | 15.8 | 90.07 | -295.9 | -152.0 | 445.2 | 414.5 | 30.77 | 14.471 | | | | | | |
| 6,550.0 | 6,418.8 | 6,557.2 | 6,419.3 | 15.7 | 15.9 | 90.07 | -295.9 | -112.8 | 445.2 | 414.0 | 31.21 | 14.265 | | | | | | |
| 6,600.0 | 6,447.2 | 6,607.3 | 6,447.6 | 16.0 | 16.1 | 90.07 | -295.9 | -71.6 | 445.2 | 413.4 | 31.81 | 13.998 | | | | | | |
| 6,650.0 | 6,472.7 | 6,657.3 | 6,473.3 | 16.4 | 16.4 | 90.08 | -295.9 | -28.6 | 445.2 | 412.7 | 32.57 | 13.671 | | | | | | |
| 6,700.0 | 6,495.5 | 6,707.3 | 6,496.0 | 16.9 | 16.8 | 90.08 | -295.9 | 15.9 | 445.2 | 411.7 | 33.50 | 13.290 | | | | | | |
| 6,750.0 | 6,515.2 | 6,757.4 | 6,515.8 | 17.4 | 17.2 | 90.09 | -295.9 | 61.9 | 445.2 | 410.6 | 34.61 | 12.864 | | | | | | |
| 6,800.0 | 6,531.9 | 6,807.4 | 6,532.6 | 18.1 | 17.8 | 90.09 | -295.9 | 109.0 | 445.2 | 409.4 | 35.89 | 12.406 | | | | | | |
| 6,850.0 | 6,545.5 | 6,857.5 | 6,546.2 | 18.8 | 18.5 | 90.09 | -295.9 | 157.2 | 445.2 | 407.9 | 37.33 | 11.928 | | | | | | |
| 6,900.0 | 6,555.9 | 6,907.5 | 6,556.7 | 19.6 | 19.3 | 90.10 | -295.9 | 206.1 | 445.2 | 406.3 | 38.91 | 11.444 | | | | | | |
| 6,950.0 | 6,563.1 | 6,957.6 | 6,563.9 | 20.5 | 20.1 | 90.10 | -295.9 | 255.6 | 445.2 | 404.6 | 40.61 | 10.963 | | | | | | |
| 7,000.0 | 6,567.1 | 7,007.6 | 6,567.9 | 21.4 | 21.0 | 90.10 | -295.9 | 305.5 | 445.2 | 402.8 | 42.43 | 10.494 | | | | | | |
| 7,042.3 | 6,567.9 | 7,050.0 | 6,568.6 | 22.2 | 21.8 | 90.10 | -295.9 | 347.9 | 445.2 | 401.2 | 44.02 | 10.113 | | | | | | |
| 7,100.0 | 6,567.4 | 7,107.7 | 6,568.1 | 23.3 | 23.0 | 90.09 | -295.9 | 405.5 | 445.2 | 398.9 | 46.31 | 9.615 | | | | | | |
| 7,200.0 | 6,566.4 | 7,207.7 | 6,567.1 | 25.4 | 25.1 | 90.08 | -295.9 | 505.5 | 445.2 | 394.7 | 50.50 | 8.816 | | | | | | |
| 7,300.0 | 6,565.5 | 7,307.7 | 6,566.1 | 27.7 | 27.3 | 90.07 | -295.9 | 605.5 | 445.2 | 390.3 | 54.95 | 8.102 | | | | | | |
| 7,400.0 | 6,564.6 | 7,407.7 | 6,565.1 | 30.0 | 29.6 | 90.06 | -295.9 | 705.5 | 445.2 | 385.6 | 59.60 | 7.470 | | | | | | |
| 7,500.0 | 6,563.7 | 7,507.7 | 6,564.1 | 32.4 | 32.0 | 90.05 | -295.9 | 805.5 | 445.2 | 380.8 | 64.41 | 6.913 | | | | | | |
| 7,600.0 | 6,562.8 | 7,607.7 | 6,563.1 | 34.9 | 34.5 | 90.04 | -295.9 | 905.5 | 445.2 | 375.9 | 69.33 | 6.422 | | | | | | |
| 7,700.0 | 6,561.9 | 7,707.7 | 6,562.1 | 37.4 | 37.0 | 90.03 | -295.9 | 1,005.5 | 445.2 | 370.9 | 74.36 | 5.988 | | | | | | |
| 7,800.0 | 6,561.0 | 7,807.7 | 6,561.1 | 39.9 | 39.6 | 90.01 | -295.9 | 1,105.5 | 445.2 | 365.8 | 79.47 | 5.603 | | | | | | |
| 7,900.0 | 6,560.1 | 7,907.7 | 6,560.1 | 42.5 | 42.2 | 90.00 | -295.9 | 1,205.5 | 445.2 | 360.6 | 84.64 | 5.261 | | | | | | |
| 8,000.0 | 6,559.2 | 8,007.7 | 6,559.1 | 45.1 | 44.8 | 89.99 | -295.9 | 1,305.5 | 445.2 | 355.4 | 89.86 | 4.955 | | | | | | |
| 8,100.0 | 6,558.3 | 8,107.7 | 6,558.1 | 47.8 | 47.4 | 89.98 | -295.9 | 1,405.5 | 445.2 | 350.1 | 95.13 | 4.680 | | | | | | |
| 8,200.0 | 6,557.4 | 8,207.7 | 6,557.1 | 50.4 | 50.1 | 89.97 | -295.9 | 1,505.5 | 445.2 | 344.8 | 100.44 | 4.433 | | | | | | |
| 8,300.0 | 6,556.5 | 8,307.7 | 6,556.1 | 53.1 | 52.7 | 89.96 | -295.9 | 1,605.5 | 445.2 | 339.5 | 105.78 | 4.209 | | | | | | |
| 8,400.0 | 6,555.6 | 8,407.7 | 6,555.1 | 55.8 | 55.4 | 89.95 | -295.9 | 1,705.5 | 445.2 | 334.1 | 111.14 | 4.006 | | | | | | |

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

| | | | |
|---------------------------|--------------------------------------|-------------------------------------|-----------------------------|
| Company: | PETROLEUM DEVELOPMENT CORP DJ Basin | Local Co-ordinate Reference: | Well Bihain 26G-212 |
| Project: | SEC.26-T5N-R64W | TVD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Reference Site: | Bihain 5N64W26GK Pad Sec.26-T5N-R64W | MD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bihain 26G-212 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #1 (11-2-15) | Offset TVD Reference: | Offset Datum |

| Offset Design | | Bihain 5N64W26GK Pad Sec.26-T5N-R64W - Bihain 26G-202 - Wellbore #1 - Plan #1 (11-2-15) | | | | | | | | | | | Offset Site Error: | | 0.0 ft |
|-----------------------|---------------------|---|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|--------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | | 0.0 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 | | | |
| 8,500.0 | 6,554.6 | 8,507.7 | 6,554.1 | 58.5 | 58.1 | 89.94 | -295.9 | 1,805.5 | 445.2 | 328.7 | 116.53 | 3.821 | | | |
| 8,600.0 | 6,553.7 | 8,607.7 | 6,553.2 | 61.2 | 60.8 | 89.92 | -295.9 | 1,905.5 | 445.2 | 323.3 | 121.95 | 3.651 | | | |
| 8,700.0 | 6,552.8 | 8,707.7 | 6,552.2 | 63.9 | 63.5 | 89.91 | -295.9 | 2,005.5 | 445.2 | 317.8 | 127.38 | 3.495 | | | |
| 8,800.0 | 6,551.9 | 8,807.7 | 6,551.2 | 66.6 | 66.2 | 89.90 | -295.9 | 2,105.5 | 445.2 | 312.4 | 132.82 | 3.352 | | | |
| 8,900.0 | 6,551.0 | 8,907.7 | 6,550.2 | 69.3 | 69.0 | 89.89 | -295.9 | 2,205.5 | 445.2 | 306.9 | 138.28 | 3.220 | | | |
| 9,000.0 | 6,550.1 | 9,007.7 | 6,549.2 | 72.1 | 71.7 | 89.88 | -295.9 | 2,305.5 | 445.2 | 301.5 | 143.75 | 3.097 | | | |
| 9,100.0 | 6,549.2 | 9,107.7 | 6,548.2 | 74.8 | 74.5 | 89.87 | -295.9 | 2,405.4 | 445.2 | 296.0 | 149.24 | 2.983 | | | |
| 9,200.0 | 6,548.3 | 9,207.7 | 6,547.2 | 77.6 | 77.2 | 89.86 | -295.9 | 2,505.4 | 445.2 | 290.5 | 154.73 | 2.877 | | | |
| 9,300.0 | 6,547.4 | 9,307.7 | 6,546.2 | 80.3 | 80.0 | 89.85 | -295.9 | 2,605.4 | 445.2 | 285.0 | 160.23 | 2.779 | | | |
| 9,400.0 | 6,546.5 | 9,407.7 | 6,545.2 | 83.1 | 82.7 | 89.83 | -295.9 | 2,705.4 | 445.2 | 279.5 | 165.74 | 2.686 | | | |
| 9,500.0 | 6,545.6 | 9,507.7 | 6,544.2 | 85.8 | 85.5 | 89.82 | -295.9 | 2,805.4 | 445.2 | 274.0 | 171.26 | 2.600 | | | |
| 9,600.0 | 6,544.7 | 9,607.7 | 6,543.2 | 88.6 | 88.2 | 89.81 | -295.9 | 2,905.4 | 445.2 | 268.4 | 176.78 | 2.519 | | | |
| 9,700.0 | 6,543.8 | 9,707.7 | 6,542.2 | 91.4 | 91.0 | 89.80 | -295.9 | 3,005.4 | 445.2 | 262.9 | 182.31 | 2.442 | | | |
| 9,800.0 | 6,542.8 | 9,807.7 | 6,541.2 | 94.1 | 93.8 | 89.79 | -295.9 | 3,105.4 | 445.2 | 257.4 | 187.84 | 2.370 | | | |
| 9,900.0 | 6,541.9 | 9,907.7 | 6,540.2 | 96.9 | 96.5 | 89.78 | -295.9 | 3,205.4 | 445.2 | 251.8 | 193.38 | 2.302 | | | |
| 10,000.0 | 6,541.0 | 10,007.7 | 6,539.2 | 99.7 | 99.3 | 89.77 | -295.9 | 3,305.4 | 445.2 | 246.3 | 198.92 | 2.238 | | | |
| 10,100.0 | 6,540.1 | 10,107.7 | 6,538.2 | 102.4 | 102.1 | 89.76 | -295.9 | 3,405.4 | 445.2 | 240.7 | 204.47 | 2.177 | | | |
| 10,200.0 | 6,539.2 | 10,207.7 | 6,537.2 | 105.2 | 104.8 | 89.75 | -295.9 | 3,505.4 | 445.2 | 235.2 | 210.02 | 2.120 | | | |
| 10,300.0 | 6,538.3 | 10,307.7 | 6,536.2 | 108.0 | 107.6 | 89.73 | -295.9 | 3,605.4 | 445.2 | 229.6 | 215.58 | 2.065 | | | |
| 10,400.0 | 6,537.4 | 10,407.7 | 6,535.2 | 110.8 | 110.4 | 89.72 | -295.9 | 3,705.4 | 445.2 | 224.1 | 221.14 | 2.013 | | | |
| 10,500.0 | 6,536.5 | 10,507.7 | 6,534.3 | 113.5 | 113.2 | 89.71 | -295.9 | 3,805.4 | 445.2 | 218.5 | 226.70 | 1.964 | | | |
| 10,600.0 | 6,535.6 | 10,607.7 | 6,533.3 | 116.3 | 116.0 | 89.70 | -295.9 | 3,905.4 | 445.2 | 213.0 | 232.26 | 1.917 | | | |
| 10,700.0 | 6,534.7 | 10,707.7 | 6,532.3 | 119.1 | 118.7 | 89.69 | -295.9 | 4,005.4 | 445.2 | 207.4 | 237.83 | 1.872 | | | |
| 10,800.0 | 6,533.8 | 10,807.7 | 6,531.3 | 121.9 | 121.5 | 89.68 | -295.9 | 4,105.4 | 445.2 | 201.8 | 243.40 | 1.829 | | | |
| 10,900.0 | 6,532.9 | 10,907.7 | 6,530.3 | 124.7 | 124.3 | 89.67 | -295.9 | 4,205.4 | 445.2 | 196.2 | 248.97 | 1.788 | | | |
| 11,000.0 | 6,532.0 | 11,007.7 | 6,529.3 | 127.5 | 127.1 | 89.66 | -295.9 | 4,305.4 | 445.2 | 190.7 | 254.54 | 1.749 | | | |
| 11,100.0 | 6,531.0 | 11,107.7 | 6,528.3 | 130.3 | 129.9 | 89.64 | -295.9 | 4,405.3 | 445.2 | 185.1 | 260.12 | 1.712 | | | |
| 11,200.0 | 6,530.1 | 11,207.7 | 6,527.3 | 133.0 | 132.7 | 89.63 | -295.9 | 4,505.3 | 445.2 | 179.5 | 265.69 | 1.676 | | | |
| 11,300.0 | 6,529.2 | 11,307.7 | 6,526.3 | 135.8 | 135.5 | 89.62 | -295.9 | 4,605.3 | 445.2 | 173.9 | 271.27 | 1.641 | | | |
| 11,400.0 | 6,528.3 | 11,407.7 | 6,525.3 | 138.6 | 138.3 | 89.61 | -295.9 | 4,705.3 | 445.2 | 168.4 | 276.85 | 1.608 | | | |
| 11,500.0 | 6,527.4 | 11,507.7 | 6,524.3 | 141.4 | 141.1 | 89.60 | -295.9 | 4,805.3 | 445.2 | 162.8 | 282.43 | 1.576 | | | |
| 11,600.0 | 6,526.5 | 11,607.7 | 6,523.3 | 144.2 | 143.8 | 89.59 | -295.9 | 4,905.3 | 445.2 | 157.2 | 288.02 | 1.546 | | | |
| 11,700.0 | 6,525.6 | 11,707.7 | 6,522.3 | 147.0 | 146.6 | 89.58 | -295.9 | 5,005.3 | 445.2 | 151.6 | 293.60 | 1.516 | | | |
| 11,800.0 | 6,524.7 | 11,807.7 | 6,521.3 | 149.8 | 149.4 | 89.57 | -295.9 | 5,105.3 | 445.2 | 146.0 | 299.19 | 1.488 Level 3 | | | |
| 11,900.0 | 6,523.8 | 11,907.7 | 6,520.3 | 152.6 | 152.2 | 89.55 | -295.9 | 5,205.3 | 445.2 | 140.4 | 304.78 | 1.461 Level 3 | | | |
| 12,000.0 | 6,522.9 | 12,007.7 | 6,519.3 | 155.4 | 155.0 | 89.54 | -295.9 | 5,305.3 | 445.2 | 134.9 | 310.36 | 1.434 Level 3 | | | |
| 12,100.0 | 6,522.0 | 12,107.7 | 6,518.3 | 158.2 | 157.8 | 89.53 | -295.9 | 5,405.3 | 445.2 | 129.3 | 315.95 | 1.409 Level 3 | | | |
| 12,200.0 | 6,521.1 | 12,207.7 | 6,517.3 | 161.0 | 160.6 | 89.52 | -295.9 | 5,505.3 | 445.2 | 123.7 | 321.54 | 1.385 Level 3 | | | |
| 12,300.0 | 6,520.2 | 12,307.7 | 6,516.3 | 163.8 | 163.4 | 89.51 | -295.9 | 5,605.3 | 445.2 | 118.1 | 327.13 | 1.361 Level 3 | | | |
| 12,400.0 | 6,519.2 | 12,407.7 | 6,515.3 | 166.6 | 166.2 | 89.50 | -295.9 | 5,705.3 | 445.2 | 112.5 | 332.73 | 1.338 Level 3 | | | |
| 12,500.0 | 6,518.3 | 12,507.7 | 6,514.4 | 169.4 | 169.0 | 89.49 | -295.9 | 5,805.3 | 445.2 | 106.9 | 338.32 | 1.316 Level 3 | | | |
| 12,523.3 | 6,518.1 | 12,530.9 | 6,514.1 | 170.0 | 169.6 | 89.48 | -295.9 | 5,828.5 | 445.2 | 105.6 | 339.62 | 1.311 Level 3 | | | |
| 12,600.0 | 6,517.4 | 12,607.7 | 6,513.4 | 172.2 | 171.8 | 89.48 | -295.9 | 5,905.3 | 445.2 | 101.3 | 343.91 | 1.295 Level 3 | | | |
| 12,700.0 | 6,516.5 | 12,707.7 | 6,512.4 | 175.0 | 174.6 | 89.46 | -295.9 | 6,005.3 | 445.2 | 95.7 | 349.51 | 1.274 Level 3 | | | |
| 12,800.0 | 6,515.6 | 12,807.7 | 6,511.4 | 177.8 | 177.4 | 89.45 | -295.9 | 6,105.3 | 445.2 | 90.1 | 355.10 | 1.254 Level 3 | | | |
| 12,900.0 | 6,514.7 | 12,907.7 | 6,510.4 | 180.5 | 180.2 | 89.44 | -295.9 | 6,205.3 | 445.2 | 84.5 | 360.70 | 1.234 Level 2 | | | |
| 13,000.0 | 6,513.8 | 13,007.7 | 6,509.4 | 183.3 | 183.0 | 89.43 | -295.9 | 6,305.3 | 445.2 | 78.9 | 366.30 | 1.215 Level 2 | | | |
| 13,100.0 | 6,512.9 | 13,107.7 | 6,508.4 | 186.1 | 185.8 | 89.42 | -295.9 | 6,405.2 | 445.2 | 73.3 | 371.89 | 1.197 Level 2 | | | |
| 13,200.0 | 6,512.0 | 13,207.7 | 6,507.4 | 188.9 | 188.6 | 89.41 | -295.9 | 6,505.2 | 445.2 | 67.7 | 377.49 | 1.179 Level 2 | | | |
| 13,300.0 | 6,511.1 | 13,307.7 | 6,506.4 | 191.7 | 191.4 | 89.40 | -295.9 | 6,605.2 | 445.2 | 62.1 | 383.09 | 1.162 Level 2 | | | |
| 13,400.0 | 6,510.2 | 13,407.7 | 6,505.4 | 194.5 | 194.2 | 89.39 | -295.9 | 6,705.2 | 445.2 | 56.5 | 388.69 | 1.145 Level 2 | | | |

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

| | | | |
|---------------------------|--------------------------------------|-------------------------------------|-----------------------------|
| Company: | PETROLEUM DEVELOPMENT CORP DJ Basin | Local Co-ordinate Reference: | Well Bihain 26G-212 |
| Project: | SEC.26-T5N-R64W | TVD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Reference Site: | Bihain 5N64W26GK Pad Sec.26-T5N-R64W | MD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bihain 26G-212 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #1 (11-2-15) | Offset TVD Reference: | Offset Datum |

| | | | | | | | | | | | | | |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|---------------------------|-------------|
| Offset Design Bihain 5N64W26GK Pad Sec.26-T5N-R64W - Bihain 26G-202 - Wellbore #1 - Plan #1 (11-2-15) | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
| Survey Program: 0-MWD | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| 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 |
| 13,500.0 | 6,509.3 | 13,507.7 | 6,504.4 | 197.3 | 197.0 | 89.37 | -295.9 | 6,805.2 | 445.2 | 50.9 | 394.29 | 1.129 | Level 2 |
| 13,600.0 | 6,508.4 | 13,607.7 | 6,503.4 | 200.1 | 199.8 | 89.36 | -295.9 | 6,905.2 | 445.2 | 45.3 | 399.89 | 1.113 | Level 2 |
| 13,639.5 | 6,508.0 | 13,647.2 | 6,503.0 | 201.3 | 200.9 | 89.36 | -295.9 | 6,944.8 | 445.2 | 43.1 | 402.10 | 1.107 | Level 2, SF |

| | | | |
|---------------------------|--------------------------------------|-------------------------------------|-----------------------------|
| Company: | PETROLEUM DEVELOPMENT CORP DJ Basin | Local Co-ordinate Reference: | Well Bihain 26G-212 |
| Project: | SEC.26-T5N-R64W | TVD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Reference Site: | Bihain 5N64W26GK Pad Sec.26-T5N-R64W | MD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bihain 26G-212 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #1 (11-2-15) | Offset TVD Reference: | Offset Datum |

| Offset Design Bihain 5N64W26GK Pad Sec.26-T5N-R64W - Bihain 26G-312 - Wellbore #1 - Plan #1 (11-2-15) | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|---|---------------------|---------------------|---------------------|----------------|-------------|--|--------------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|--------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Semi Major Axis Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | Warning | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 129.65 | -9.5 | 11.4 | 14.8 | 14.8 | 0.00 | N/A | | |
| 100.0 | 100.0 | 100.0 | 100.0 | 0.1 | 0.1 | 129.65 | -9.5 | 11.4 | 14.8 | 14.6 | 0.22 | 66.014 | | |
| 200.0 | 200.0 | 200.0 | 200.0 | 0.3 | 0.3 | 129.65 | -9.5 | 11.4 | 14.8 | 14.2 | 0.67 | 22.005 | | |
| 300.0 | 300.0 | 300.0 | 300.0 | 0.6 | 0.6 | 129.65 | -9.5 | 11.4 | 14.8 | 13.7 | 1.12 | 13.203 | | |
| 400.0 | 400.0 | 400.0 | 400.0 | 0.8 | 0.8 | 129.65 | -9.5 | 11.4 | 14.8 | 13.3 | 1.57 | 9.431 | | |
| 500.0 | 500.0 | 500.0 | 500.0 | 1.0 | 1.0 | 129.65 | -9.5 | 11.4 | 14.8 | 12.8 | 2.02 | 7.335 | | |
| 600.0 | 600.0 | 600.0 | 600.0 | 1.2 | 1.2 | 129.65 | -9.5 | 11.4 | 14.8 | 12.4 | 2.47 | 6.001 | | |
| 700.0 | 700.0 | 700.0 | 700.0 | 1.5 | 1.5 | 129.65 | -9.5 | 11.4 | 14.8 | 11.9 | 2.92 | 5.078 | | |
| 800.0 | 800.0 | 800.0 | 800.0 | 1.7 | 1.7 | 129.65 | -9.5 | 11.4 | 14.8 | 11.5 | 3.37 | 4.401 | | |
| 900.0 | 900.0 | 900.0 | 900.0 | 1.9 | 1.9 | 129.65 | -9.5 | 11.4 | 14.8 | 11.0 | 3.82 | 3.883 | | |
| 1,000.0 | 1,000.0 | 1,000.0 | 1,000.0 | 2.1 | 2.1 | 129.65 | -9.5 | 11.4 | 14.8 | 10.6 | 4.27 | 3.474 | | |
| 1,100.0 | 1,100.0 | 1,100.0 | 1,100.0 | 2.4 | 2.4 | 129.65 | -9.5 | 11.4 | 14.8 | 10.1 | 4.72 | 3.144 | | |
| 1,200.0 | 1,200.0 | 1,200.0 | 1,200.0 | 2.6 | 2.6 | 129.65 | -9.5 | 11.4 | 14.8 | 9.7 | 5.17 | 2.870 | | |
| 1,300.0 | 1,300.0 | 1,300.0 | 1,300.0 | 2.8 | 2.8 | 129.65 | -9.5 | 11.4 | 14.8 | 9.2 | 5.62 | 2.641 | | |
| 1,400.0 | 1,400.0 | 1,400.0 | 1,400.0 | 3.0 | 3.0 | 129.65 | -9.5 | 11.4 | 14.8 | 8.8 | 6.07 | 2.445 | | |
| 1,500.0 | 1,500.0 | 1,500.0 | 1,500.0 | 3.3 | 3.3 | 129.65 | -9.5 | 11.4 | 14.8 | 8.3 | 6.52 | 2.276 | | |
| 1,600.0 | 1,600.0 | 1,600.0 | 1,600.0 | 3.5 | 3.5 | 129.65 | -9.5 | 11.4 | 14.8 | 7.9 | 6.97 | 2.129 CC | | |
| 1,700.0 | 1,700.0 | 1,700.0 | 1,700.0 | 3.7 | 3.7 | -160.89 | -9.5 | 11.4 | 15.7 | 8.3 | 7.41 | 2.114 | | |
| 1,800.0 | 1,800.0 | 1,800.0 | 1,800.0 | 3.9 | 3.9 | -163.59 | -9.5 | 11.4 | 18.2 | 10.3 | 7.84 | 2.316 | | |
| 1,900.0 | 1,899.9 | 1,899.9 | 1,899.9 | 4.1 | 4.2 | -166.74 | -9.5 | 11.4 | 22.4 | 14.1 | 8.27 | 2.706 | | |
| 2,000.0 | 1,999.7 | 1,999.7 | 1,999.7 | 4.3 | 4.4 | -169.56 | -9.5 | 11.4 | 28.3 | 19.7 | 8.70 | 3.260 | | |
| 2,100.0 | 2,099.4 | 2,099.9 | 2,099.9 | 4.6 | 4.6 | -170.96 | -9.6 | 10.6 | 35.4 | 26.3 | 9.11 | 3.887 | | |
| 2,200.0 | 2,198.9 | 2,200.1 | 2,200.1 | 4.8 | 4.8 | -170.81 | -10.0 | 8.0 | 42.8 | 33.3 | 9.51 | 4.504 | | |
| 2,300.0 | 2,298.3 | 2,300.5 | 2,300.3 | 5.0 | 5.0 | -169.78 | -10.8 | 3.7 | 50.6 | 40.7 | 9.91 | 5.106 | | |
| 2,400.0 | 2,397.4 | 2,400.8 | 2,400.5 | 5.3 | 5.2 | -168.24 | -11.8 | -2.4 | 58.7 | 48.4 | 10.32 | 5.694 | | |
| 2,464.5 | 2,461.2 | 2,465.6 | 2,465.1 | 5.5 | 5.3 | -167.08 | -12.6 | -7.2 | 64.2 | 53.6 | 10.58 | 6.068 | | |
| 2,500.0 | 2,496.3 | 2,501.3 | 2,500.6 | 5.6 | 5.4 | -166.39 | -13.1 | -10.2 | 67.2 | 56.5 | 10.74 | 6.258 | | |
| 2,600.0 | 2,595.2 | 2,601.9 | 2,600.8 | 5.9 | 5.6 | -164.10 | -14.7 | -19.7 | 74.8 | 63.6 | 11.19 | 6.688 | | |
| 2,700.0 | 2,694.0 | 2,702.5 | 2,700.8 | 6.2 | 5.9 | -161.33 | -16.6 | -31.0 | 81.4 | 69.7 | 11.66 | 6.978 | | |
| 2,800.0 | 2,792.9 | 2,803.2 | 2,800.6 | 6.5 | 6.1 | -158.09 | -18.8 | -44.0 | 86.9 | 74.8 | 12.16 | 7.151 | | |
| 2,900.0 | 2,891.8 | 2,903.0 | 2,899.4 | 6.8 | 6.4 | -154.77 | -21.2 | -57.9 | 92.1 | 79.5 | 12.68 | 7.270 | | |
| 3,000.0 | 2,990.6 | 3,002.8 | 2,998.1 | 7.1 | 6.6 | -151.81 | -23.5 | -71.7 | 97.6 | 84.4 | 13.21 | 7.389 | | |
| 3,100.0 | 3,089.5 | 3,102.5 | 3,096.9 | 7.4 | 6.9 | -149.18 | -25.9 | -85.6 | 103.4 | 89.6 | 13.77 | 7.506 | | |
| 3,200.0 | 3,188.4 | 3,202.2 | 3,195.6 | 7.7 | 7.2 | -146.83 | -28.2 | -99.5 | 109.3 | 94.9 | 14.34 | 7.620 | | |
| 3,300.0 | 3,287.2 | 3,301.9 | 3,294.3 | 8.0 | 7.5 | -144.72 | -30.5 | -113.3 | 115.4 | 100.4 | 14.93 | 7.728 | | |
| 3,400.0 | 3,386.1 | 3,401.7 | 3,393.1 | 8.4 | 7.8 | -142.82 | -32.9 | -127.2 | 121.6 | 106.1 | 15.52 | 7.832 | | |
| 3,500.0 | 3,485.0 | 3,501.4 | 3,491.8 | 8.7 | 8.1 | -141.11 | -35.2 | -141.0 | 127.9 | 111.8 | 16.13 | 7.930 | | |
| 3,600.0 | 3,583.8 | 3,601.1 | 3,590.5 | 9.0 | 8.4 | -139.56 | -37.6 | -154.9 | 134.4 | 117.6 | 16.75 | 8.023 | | |
| 3,700.0 | 3,682.7 | 3,700.9 | 3,689.3 | 9.4 | 8.7 | -138.16 | -39.9 | -168.8 | 140.9 | 123.5 | 17.37 | 8.111 | | |
| 3,800.0 | 3,781.6 | 3,800.6 | 3,788.0 | 9.7 | 9.0 | -136.88 | -42.2 | -182.6 | 147.5 | 129.5 | 18.00 | 8.194 | | |
| 3,900.0 | 3,880.4 | 3,900.3 | 3,886.7 | 10.0 | 9.3 | -135.71 | -44.6 | -196.5 | 154.2 | 135.6 | 18.64 | 8.272 | | |
| 4,000.0 | 3,979.3 | 4,000.1 | 3,985.5 | 10.4 | 9.6 | -134.63 | -46.9 | -210.4 | 160.9 | 141.6 | 19.28 | 8.345 | | |
| 4,100.0 | 4,078.1 | 4,099.8 | 4,084.2 | 10.7 | 9.9 | -133.65 | -49.3 | -224.2 | 167.7 | 147.8 | 19.93 | 8.415 | | |
| 4,200.0 | 4,177.0 | 4,199.5 | 4,182.9 | 11.1 | 10.3 | -132.74 | -51.6 | -238.1 | 174.6 | 154.0 | 20.58 | 8.480 | | |
| 4,300.0 | 4,275.9 | 4,299.2 | 4,281.7 | 11.4 | 10.6 | -131.90 | -53.9 | -251.9 | 181.4 | 160.2 | 21.24 | 8.542 | | |
| 4,400.0 | 4,374.7 | 4,399.0 | 4,380.4 | 11.8 | 10.9 | -131.12 | -56.3 | -265.8 | 188.3 | 166.4 | 21.90 | 8.601 | | |
| 4,500.0 | 4,473.6 | 4,498.7 | 4,479.1 | 12.1 | 11.2 | -130.39 | -58.6 | -279.7 | 195.3 | 172.7 | 22.56 | 8.656 | | |
| 4,600.0 | 4,572.5 | 4,598.4 | 4,577.9 | 12.5 | 11.6 | -129.72 | -61.0 | -293.5 | 202.3 | 179.0 | 23.23 | 8.708 | | |
| 4,700.0 | 4,671.3 | 4,698.2 | 4,676.6 | 12.8 | 11.9 | -129.09 | -63.3 | -307.4 | 209.3 | 185.4 | 23.89 | 8.758 | | |
| 4,799.2 | 4,769.4 | 4,797.1 | 4,774.5 | 13.2 | 12.2 | -128.51 | -65.6 | -321.1 | 216.2 | 191.7 | 24.56 | 8.804 | | |
| 4,900.0 | 4,869.3 | 4,897.6 | 4,874.1 | 13.5 | 12.6 | -127.69 | -68.0 | -335.1 | 222.2 | 197.0 | 25.22 | 8.813 | | |

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

| | | | |
|---------------------------|--------------------------------------|-------------------------------------|-----------------------------|
| Company: | PETROLEUM DEVELOPMENT CORP DJ Basin | Local Co-ordinate Reference: | Well Bihain 26G-212 |
| Project: | SEC.26-T5N-R64W | TVD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Reference Site: | Bihain 5N64W26GK Pad Sec.26-T5N-R64W | MD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bihain 26G-212 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #1 (11-2-15) | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|--------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 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 | | |
| 5,000.0 | 4,968.8 | 4,997.4 | 4,972.8 | 13.7 | 12.9 | -126.18 | -70.3 | -349.0 | 226.2 | 200.3 | 25.83 | 8.755 | | |
| 5,100.0 | 5,068.6 | 5,096.9 | 5,071.4 | 13.9 | 13.2 | -123.99 | -72.7 | -362.8 | 228.3 | 201.9 | 26.45 | 8.632 | | |
| 5,200.0 | 5,168.6 | 5,196.3 | 5,169.7 | 14.0 | 13.6 | -121.09 | -75.0 | -376.6 | 229.0 | 201.9 | 27.06 | 8.463 | | |
| 5,231.4 | 5,200.0 | 5,227.4 | 5,200.6 | 14.1 | 13.7 | 169.42 | -75.7 | -380.9 | 228.9 | 205.3 | 23.67 | 9.671 | | |
| 5,260.0 | 5,228.6 | 5,255.7 | 5,228.6 | 14.1 | 13.8 | 170.41 | -76.4 | -384.9 | 228.9 | 205.1 | 23.76 | 9.635 | | |
| 5,300.0 | 5,268.6 | 5,295.3 | 5,267.8 | 14.2 | 13.9 | 171.81 | -77.3 | -390.4 | 229.0 | 205.1 | 23.88 | 9.589 | | |
| 5,400.0 | 5,368.6 | 5,394.8 | 5,366.4 | 14.4 | 14.2 | 175.09 | -79.5 | -403.4 | 229.7 | 205.5 | 24.21 | 9.486 | | |
| 5,500.0 | 5,468.6 | 5,495.1 | 5,466.2 | 14.6 | 14.4 | 177.55 | -81.2 | -413.2 | 230.7 | 206.1 | 24.57 | 9.391 | | |
| 5,600.0 | 5,568.6 | 5,596.0 | 5,566.9 | 14.7 | 14.6 | 179.14 | -82.3 | -419.5 | 231.6 | 206.6 | 24.94 | 9.285 | | |
| 5,700.0 | 5,668.6 | 5,697.3 | 5,668.1 | 14.9 | 14.8 | 179.85 | -82.7 | -422.4 | 232.0 | 206.7 | 25.33 | 9.161 | | |
| 5,800.0 | 5,768.6 | 5,797.7 | 5,768.6 | 15.1 | 15.0 | 179.90 | -82.8 | -422.6 | 232.1 | 206.3 | 25.73 | 9.020 | | |
| 5,835.4 | 5,804.0 | 5,833.1 | 5,804.0 | 15.2 | 15.0 | 179.90 | -82.8 | -422.6 | 232.1 | 206.2 | 25.87 | 8.969 | | |
| 5,850.0 | 5,818.6 | 5,847.7 | 5,818.6 | 15.2 | 15.1 | 89.93 | -82.8 | -422.6 | 232.1 | 202.1 | 29.98 | 7.741 | | |
| 5,860.9 | 5,829.5 | 5,858.6 | 5,829.5 | 15.2 | 15.1 | 90.00 | -82.8 | -422.6 | 232.1 | 202.1 | 30.01 | 7.733 | | |
| 5,900.0 | 5,868.5 | 5,897.6 | 5,868.5 | 15.2 | 15.1 | 90.57 | -82.8 | -422.6 | 232.1 | 201.9 | 30.13 | 7.702 | | |
| 5,950.0 | 5,918.1 | 5,947.7 | 5,918.5 | 15.3 | 15.2 | 91.69 | -82.8 | -421.3 | 232.2 | 201.9 | 30.25 | 7.674 | | |
| 6,000.0 | 5,967.3 | 5,998.1 | 5,968.7 | 15.3 | 15.3 | 92.82 | -82.8 | -416.7 | 232.4 | 202.0 | 30.32 | 7.663 | | |
| 6,050.0 | 6,015.7 | 6,048.8 | 6,018.8 | 15.3 | 15.3 | 93.94 | -82.8 | -408.8 | 232.6 | 202.3 | 30.35 | 7.665 | | |
| 6,100.0 | 6,063.3 | 6,099.8 | 6,068.5 | 15.3 | 15.3 | 95.04 | -82.8 | -397.5 | 233.0 | 202.6 | 30.34 | 7.680 | | |
| 6,150.0 | 6,109.7 | 6,151.2 | 6,117.7 | 15.3 | 15.3 | 96.11 | -82.8 | -382.8 | 233.4 | 203.1 | 30.30 | 7.704 | | |
| 6,200.0 | 6,154.9 | 6,202.8 | 6,166.1 | 15.3 | 15.3 | 97.16 | -82.8 | -364.7 | 233.9 | 203.7 | 30.23 | 7.737 | | |
| 6,250.0 | 6,198.5 | 6,254.8 | 6,213.4 | 15.2 | 15.2 | 98.18 | -82.8 | -343.2 | 234.5 | 204.3 | 30.16 | 7.773 | | |
| 6,300.0 | 6,240.4 | 6,307.0 | 6,259.4 | 15.2 | 15.2 | 99.16 | -82.8 | -318.5 | 235.1 | 205.0 | 30.10 | 7.810 | | |
| 6,350.0 | 6,280.5 | 6,359.6 | 6,303.8 | 15.2 | 15.2 | 100.10 | -82.8 | -290.4 | 235.7 | 205.7 | 30.07 | 7.841 | | |
| 6,400.0 | 6,318.5 | 6,412.4 | 6,346.5 | 15.3 | 15.2 | 100.99 | -82.8 | -259.2 | 236.4 | 206.3 | 30.08 | 7.860 | | |
| 6,450.0 | 6,354.4 | 6,465.6 | 6,387.1 | 15.4 | 15.3 | 101.83 | -82.8 | -225.0 | 237.1 | 207.0 | 30.17 | 7.861 | | |
| 6,500.0 | 6,387.8 | 6,519.0 | 6,425.4 | 15.5 | 15.4 | 102.62 | -82.8 | -187.8 | 237.8 | 207.5 | 30.35 | 7.836 | | |
| 6,550.0 | 6,418.8 | 6,572.7 | 6,461.2 | 15.7 | 15.6 | 103.35 | -82.8 | -147.8 | 238.5 | 207.9 | 30.66 | 7.781 | | |
| 6,600.0 | 6,447.2 | 6,626.6 | 6,494.2 | 16.0 | 15.8 | 104.01 | -82.8 | -105.2 | 239.2 | 208.1 | 31.11 | 7.689 | | |
| 6,650.0 | 6,472.7 | 6,680.7 | 6,524.3 | 16.4 | 16.1 | 104.61 | -82.8 | -60.2 | 239.8 | 208.1 | 31.73 | 7.559 | | |
| 6,700.0 | 6,495.5 | 6,735.1 | 6,551.2 | 16.9 | 16.6 | 105.15 | -82.8 | -13.0 | 240.4 | 207.9 | 32.53 | 7.392 | | |
| 6,750.0 | 6,515.2 | 6,789.6 | 6,574.7 | 17.4 | 17.1 | 105.61 | -82.8 | 36.2 | 241.0 | 207.5 | 33.51 | 7.191 | | |
| 6,800.0 | 6,531.9 | 6,844.3 | 6,594.7 | 18.1 | 17.8 | 106.01 | -82.8 | 87.1 | 241.4 | 206.8 | 34.68 | 6.961 | | |
| 6,850.0 | 6,545.5 | 6,899.1 | 6,611.1 | 18.8 | 18.5 | 106.33 | -82.8 | 139.4 | 241.8 | 205.8 | 36.04 | 6.710 | | |
| 6,900.0 | 6,555.9 | 6,954.0 | 6,623.7 | 19.6 | 19.3 | 106.58 | -82.8 | 192.8 | 242.1 | 204.6 | 37.57 | 6.445 | | |
| 6,950.0 | 6,563.1 | 7,009.0 | 6,632.5 | 20.5 | 20.3 | 106.75 | -82.8 | 247.1 | 242.4 | 203.1 | 39.25 | 6.175 | | |
| 7,000.0 | 6,567.1 | 7,064.0 | 6,637.3 | 21.4 | 21.3 | 106.85 | -82.8 | 301.9 | 242.5 | 201.4 | 41.06 | 5.906 | | |
| 7,042.3 | 6,567.9 | 7,110.6 | 6,638.3 | 22.2 | 22.1 | 106.88 | -82.8 | 348.5 | 242.5 | 199.8 | 42.67 | 5.684 | | |
| 7,100.0 | 6,567.4 | 7,168.3 | 6,637.8 | 23.3 | 23.3 | 106.88 | -82.8 | 406.1 | 242.5 | 197.7 | 44.87 | 5.405 | | |
| 7,200.0 | 6,566.4 | 7,268.3 | 6,636.9 | 25.4 | 25.4 | 106.90 | -82.8 | 506.1 | 242.5 | 193.6 | 48.90 | 4.960 | | |
| 7,300.0 | 6,565.5 | 7,368.3 | 6,636.1 | 27.7 | 27.6 | 106.92 | -82.8 | 606.1 | 242.6 | 189.4 | 53.16 | 4.562 | | |
| 7,400.0 | 6,564.6 | 7,468.3 | 6,635.3 | 30.0 | 29.9 | 106.93 | -82.8 | 706.1 | 242.6 | 185.0 | 57.62 | 4.210 | | |
| 7,500.0 | 6,563.7 | 7,568.3 | 6,634.4 | 32.4 | 32.3 | 106.95 | -82.8 | 806.1 | 242.6 | 180.4 | 62.23 | 3.899 | | |
| 7,600.0 | 6,562.8 | 7,668.3 | 6,633.6 | 34.9 | 34.8 | 106.96 | -82.8 | 906.1 | 242.6 | 175.7 | 66.95 | 3.624 | | |
| 7,700.0 | 6,561.9 | 7,768.3 | 6,632.8 | 37.4 | 37.3 | 106.98 | -82.8 | 1,006.1 | 242.6 | 170.9 | 71.76 | 3.381 | | |
| 7,800.0 | 6,561.0 | 7,868.3 | 6,631.9 | 39.9 | 39.8 | 107.00 | -82.8 | 1,106.1 | 242.7 | 166.0 | 76.66 | 3.166 | | |
| 7,900.0 | 6,560.1 | 7,968.3 | 6,631.1 | 42.5 | 42.4 | 107.01 | -82.8 | 1,206.1 | 242.7 | 161.1 | 81.61 | 2.974 | | |
| 8,000.0 | 6,559.2 | 8,068.3 | 6,630.2 | 45.1 | 45.0 | 107.03 | -82.8 | 1,306.1 | 242.7 | 156.1 | 86.61 | 2.802 | | |
| 8,100.0 | 6,558.3 | 8,168.3 | 6,629.4 | 47.8 | 47.6 | 107.04 | -82.8 | 1,406.1 | 242.7 | 151.1 | 91.66 | 2.648 | | |
| 8,200.0 | 6,557.4 | 8,268.3 | 6,628.6 | 50.4 | 50.3 | 107.06 | -82.8 | 1,506.1 | 242.7 | 146.0 | 96.74 | 2.509 | | |
| 8,300.0 | 6,556.5 | 8,368.3 | 6,627.7 | 53.1 | 53.0 | 107.07 | -82.8 | 1,606.1 | 242.8 | 140.9 | 101.86 | 2.383 | | |

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

| | | | |
|---------------------------|--------------------------------------|-------------------------------------|-----------------------------|
| Company: | PETROLEUM DEVELOPMENT CORP DJ Basin | Local Co-ordinate Reference: | Well Bihain 26G-212 |
| Project: | SEC.26-T5N-R64W | TVD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Reference Site: | Bihain 5N64W26GK Pad Sec.26-T5N-R64W | MD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bihain 26G-212 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #1 (11-2-15) | Offset TVD Reference: | Offset Datum |

| Offset Design | | Bihain 5N64W26GK Pad Sec.26-T5N-R64W - Bihain 26G-312 - Wellbore #1 - Plan #1 (11-2-15) | | | | | | | | | | | Offset Site Error: | | 0.0 ft |
|-----------------------|----------------|---|----------------|-----------------|--------|-------------------|------------------------|------------|-----------------|------------------|--------------------|-------------------|--------------------|---------|--------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning | |
| Measured Depth | Vertical Depth | Measured Depth | Vertical Depth | Reference | Offset | Highside Toolface | Offset Wellbore Centre | | Between Centres | Between Ellipses | Minimum Separation | Separation Factor | | | |
| (ft) | (ft) | (ft) | (ft) | (ft) | (ft) | (°) | +N/-S (ft) | +E/-W (ft) | (ft) | (ft) | (ft) | | | | |
| 8,400.0 | 6,555.6 | 8,468.3 | 6,626.9 | 55.8 | 55.6 | 107.09 | -82.8 | 1,706.1 | 242.8 | 135.8 | 107.00 | 2.269 | | | |
| 8,500.0 | 6,554.6 | 8,568.3 | 6,626.1 | 58.5 | 58.3 | 107.11 | -82.8 | 1,806.1 | 242.8 | 130.6 | 112.16 | 2.165 | | | |
| 8,600.0 | 6,553.7 | 8,668.3 | 6,625.2 | 61.2 | 61.0 | 107.12 | -82.8 | 1,906.1 | 242.8 | 125.5 | 117.34 | 2.069 | | | |
| 8,700.0 | 6,552.8 | 8,768.3 | 6,624.4 | 63.9 | 63.8 | 107.14 | -82.8 | 2,006.1 | 242.8 | 120.3 | 122.54 | 1.982 | | | |
| 8,800.0 | 6,551.9 | 8,868.3 | 6,623.5 | 66.6 | 66.5 | 107.15 | -82.8 | 2,106.1 | 242.9 | 115.1 | 127.75 | 1.901 | | | |
| 8,900.0 | 6,551.0 | 8,968.3 | 6,622.7 | 69.3 | 69.2 | 107.17 | -82.8 | 2,206.1 | 242.9 | 109.9 | 132.98 | 1.827 | | | |
| | | | | | | | | | | | | | | | |
| 9,000.0 | 6,550.1 | 9,068.3 | 6,621.9 | 72.1 | 71.9 | 107.18 | -82.8 | 2,306.1 | 242.9 | 104.7 | 138.21 | 1.758 | | | |
| 9,100.0 | 6,549.2 | 9,168.3 | 6,621.0 | 74.8 | 74.7 | 107.20 | -82.8 | 2,406.1 | 242.9 | 99.5 | 143.46 | 1.693 | | | |
| 9,200.0 | 6,548.3 | 9,268.3 | 6,620.2 | 77.6 | 77.4 | 107.22 | -82.8 | 2,506.1 | 243.0 | 94.2 | 148.71 | 1.634 | | | |
| 9,300.0 | 6,547.4 | 9,368.3 | 6,619.4 | 80.3 | 80.2 | 107.23 | -82.8 | 2,606.1 | 243.0 | 89.0 | 153.97 | 1.578 | | | |
| 9,400.0 | 6,546.5 | 9,468.3 | 6,618.5 | 83.1 | 82.9 | 107.25 | -82.8 | 2,706.0 | 243.0 | 83.7 | 159.24 | 1.526 | | | |
| | | | | | | | | | | | | | | | |
| 9,500.0 | 6,545.6 | 9,568.3 | 6,617.7 | 85.8 | 85.7 | 107.26 | -82.8 | 2,806.0 | 243.0 | 78.5 | 164.52 | 1.477 Level 3 | | | |
| 9,600.0 | 6,544.7 | 9,668.3 | 6,616.8 | 88.6 | 88.4 | 107.28 | -82.8 | 2,906.0 | 243.0 | 73.2 | 169.80 | 1.431 Level 3 | | | |
| 9,700.0 | 6,543.8 | 9,768.3 | 6,616.0 | 91.4 | 91.2 | 107.29 | -82.8 | 3,006.0 | 243.1 | 68.0 | 175.08 | 1.388 Level 3 | | | |
| 9,800.0 | 6,542.8 | 9,868.3 | 6,615.2 | 94.1 | 94.0 | 107.31 | -82.8 | 3,106.0 | 243.1 | 62.7 | 180.37 | 1.348 Level 3 | | | |
| 9,900.0 | 6,541.9 | 9,968.3 | 6,614.3 | 96.9 | 96.7 | 107.33 | -82.8 | 3,206.0 | 243.1 | 57.4 | 185.67 | 1.309 Level 3 | | | |
| | | | | | | | | | | | | | | | |
| 10,000.0 | 6,541.0 | 10,068.3 | 6,613.5 | 99.7 | 99.5 | 107.34 | -82.8 | 3,306.0 | 243.1 | 52.2 | 190.97 | 1.273 Level 3 | | | |
| 10,100.0 | 6,540.1 | 10,168.3 | 6,612.7 | 102.4 | 102.3 | 107.36 | -82.8 | 3,406.0 | 243.1 | 46.9 | 196.27 | 1.239 Level 2 | | | |
| 10,200.0 | 6,539.2 | 10,268.3 | 6,611.8 | 105.2 | 105.1 | 107.37 | -82.8 | 3,506.0 | 243.2 | 41.6 | 201.57 | 1.206 Level 2 | | | |
| 10,300.0 | 6,538.3 | 10,368.3 | 6,611.0 | 108.0 | 107.8 | 107.39 | -82.8 | 3,606.0 | 243.2 | 36.3 | 206.87 | 1.175 Level 2 | | | |
| 10,400.0 | 6,537.4 | 10,468.3 | 6,610.1 | 110.8 | 110.6 | 107.40 | -82.8 | 3,706.0 | 243.2 | 31.0 | 212.18 | 1.146 Level 2 | | | |
| | | | | | | | | | | | | | | | |
| 10,500.0 | 6,536.5 | 10,568.3 | 6,609.3 | 113.5 | 113.4 | 107.42 | -82.8 | 3,806.0 | 243.2 | 25.7 | 217.49 | 1.118 Level 2 | | | |
| 10,600.0 | 6,535.6 | 10,668.3 | 6,608.5 | 116.3 | 116.2 | 107.44 | -82.8 | 3,906.0 | 243.2 | 20.4 | 222.81 | 1.092 Level 2 | | | |
| 10,700.0 | 6,534.7 | 10,768.3 | 6,607.6 | 119.1 | 119.0 | 107.45 | -82.8 | 4,006.0 | 243.3 | 15.1 | 228.12 | 1.066 Level 2 | | | |
| 10,800.0 | 6,533.8 | 10,868.3 | 6,606.8 | 121.9 | 121.8 | 107.47 | -82.8 | 4,106.0 | 243.3 | 9.8 | 233.43 | 1.042 Level 2 | | | |
| 10,900.0 | 6,532.9 | 10,968.3 | 6,606.0 | 124.7 | 124.5 | 107.48 | -82.8 | 4,206.0 | 243.3 | 4.6 | 238.75 | 1.019 Level 2 | | | |
| | | | | | | | | | | | | | | | |
| 11,000.0 | 6,532.0 | 11,068.3 | 6,605.1 | 127.5 | 127.3 | 107.50 | -82.8 | 4,306.0 | 243.3 | -0.7 | 244.07 | 0.997 Level 1 | | | |
| 11,100.0 | 6,531.0 | 11,168.3 | 6,604.3 | 130.3 | 130.1 | 107.51 | -82.8 | 4,406.0 | 243.3 | -6.0 | 249.39 | 0.976 Level 1 | | | |
| 11,200.0 | 6,530.1 | 11,268.3 | 6,603.4 | 133.0 | 132.9 | 107.53 | -82.8 | 4,506.0 | 243.4 | -11.3 | 254.71 | 0.955 Level 1 | | | |
| 11,300.0 | 6,529.2 | 11,368.3 | 6,602.6 | 135.8 | 135.7 | 107.55 | -82.8 | 4,606.0 | 243.4 | -16.6 | 260.03 | 0.936 Level 1 | | | |
| 11,400.0 | 6,528.3 | 11,468.3 | 6,601.8 | 138.6 | 138.5 | 107.56 | -82.8 | 4,706.0 | 243.4 | -21.9 | 265.35 | 0.917 Level 1 | | | |
| | | | | | | | | | | | | | | | |
| 11,500.0 | 6,527.4 | 11,568.3 | 6,600.9 | 141.4 | 141.3 | 107.58 | -82.8 | 4,806.0 | 243.4 | -27.2 | 270.67 | 0.899 Level 1 | | | |
| 11,600.0 | 6,526.5 | 11,668.3 | 6,600.1 | 144.2 | 144.1 | 107.59 | -82.8 | 4,906.0 | 243.5 | -32.5 | 275.99 | 0.882 Level 1 | | | |
| 11,700.0 | 6,525.6 | 11,768.3 | 6,599.3 | 147.0 | 146.9 | 107.61 | -82.8 | 5,006.0 | 243.5 | -37.8 | 281.32 | 0.865 Level 1 | | | |
| 11,800.0 | 6,524.7 | 11,868.3 | 6,598.4 | 149.8 | 149.6 | 107.62 | -82.8 | 5,106.0 | 243.5 | -43.1 | 286.64 | 0.849 Level 1 | | | |
| 11,900.0 | 6,523.8 | 11,968.3 | 6,597.6 | 152.6 | 152.4 | 107.64 | -82.8 | 5,206.0 | 243.5 | -48.4 | 291.96 | 0.834 Level 1 | | | |
| | | | | | | | | | | | | | | | |
| 12,000.0 | 6,522.9 | 12,068.3 | 6,596.7 | 155.4 | 155.2 | 107.65 | -82.8 | 5,306.0 | 243.5 | -53.8 | 297.29 | 0.819 Level 1 | | | |
| 12,100.0 | 6,522.0 | 12,168.3 | 6,595.9 | 158.2 | 158.0 | 107.67 | -82.8 | 5,406.0 | 243.6 | -59.1 | 302.61 | 0.805 Level 1 | | | |
| 12,200.0 | 6,521.1 | 12,268.3 | 6,595.1 | 161.0 | 160.8 | 107.69 | -82.8 | 5,505.9 | 243.6 | -64.4 | 307.94 | 0.791 Level 1 | | | |
| 12,300.0 | 6,520.2 | 12,368.3 | 6,594.2 | 163.8 | 163.6 | 107.70 | -82.8 | 5,605.9 | 243.6 | -69.7 | 313.26 | 0.778 Level 1 | | | |
| 12,400.0 | 6,519.2 | 12,468.3 | 6,593.4 | 166.6 | 166.4 | 107.72 | -82.8 | 5,705.9 | 243.6 | -75.0 | 318.58 | 0.765 Level 1 | | | |
| | | | | | | | | | | | | | | | |
| 12,500.0 | 6,518.3 | 12,568.3 | 6,592.5 | 169.4 | 169.2 | 107.73 | -82.8 | 5,805.9 | 243.6 | -80.3 | 323.91 | 0.752 Level 1 | | | |
| 12,600.0 | 6,517.4 | 12,668.3 | 6,591.7 | 172.2 | 172.0 | 107.75 | -82.8 | 5,905.9 | 243.7 | -85.6 | 329.23 | 0.740 Level 1 | | | |
| 12,700.0 | 6,516.5 | 12,768.3 | 6,590.9 | 175.0 | 174.8 | 107.76 | -82.8 | 6,005.9 | 243.7 | -90.9 | 334.56 | 0.728 Level 1 | | | |
| 12,800.0 | 6,515.6 | 12,868.3 | 6,590.0 | 177.8 | 177.6 | 107.78 | -82.8 | 6,105.9 | 243.7 | -96.2 | 339.88 | 0.717 Level 1 | | | |
| 12,900.0 | 6,514.7 | 12,968.3 | 6,589.2 | 180.5 | 180.4 | 107.80 | -82.8 | 6,205.9 | 243.7 | -101.5 | 345.20 | 0.706 Level 1 | | | |
| | | | | | | | | | | | | | | | |
| 13,000.0 | 6,513.8 | 13,068.3 | 6,588.4 | 183.3 | 183.2 | 107.81 | -82.8 | 6,305.9 | 243.7 | -106.8 | 350.53 | 0.695 Level 1 | | | |
| 13,100.0 | 6,512.9 | 13,168.3 | 6,587.5 | 186.1 | 186.0 | 107.83 | -82.8 | 6,405.9 | 243.8 | -112.1 | 355.85 | 0.685 Level 1 | | | |
| 13,200.0 | 6,512.0 | 13,268.3 | 6,586.7 | 188.9 | 188.8 | 107.84 | -82.8 | 6,505.9 | 243.8 | -117.4 | 361.17 | 0.675 Level 1 | | | |
| 13,300.0 | 6,511.1 | 13,368.3 | 6,585.8 | 191.7 | 191.6 | 107.86 | -82.8 | 6,605.9 | 243.8 | -122.7 | 366.50 | 0.665 Level 1 | | | |
| 13,400.0 | 6,510.2 | 13,468.3 | 6,585.0 | 194.5 | 194.4 | 107.87 | -82.8 | 6,705.9 | 243.8 | -128.0 | 371.82 | 0.656 Level 1 | | | |

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

| | | | |
|---------------------------|--------------------------------------|-------------------------------------|-----------------------------|
| Company: | PETROLEUM DEVELOPMENT CORP DJ Basin | Local Co-ordinate Reference: | Well Bihain 26G-212 |
| Project: | SEC.26-T5N-R64W | TVD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Reference Site: | Bihain 5N64W26GK Pad Sec.26-T5N-R64W | MD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bihain 26G-212 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #1 (11-2-15) | Offset TVD Reference: | Offset Datum |

| | | | | | | | | | | | | | | |
|--|----------------------------|----------------------------|----------------------------|------------------------|--------------------|------------------------------|--|-------------------|-----------------------------|------------------------------|--------------------------------|--------------------------|---------------------------|--------|
| Offset Design Bihain 5N64W26GK Pad Sec.26-T5N-R64W - Bihain 26G-312 - Wellbore #1 - Plan #1 (11-2-15) | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| 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 | |
| 13,500.0 | 6,509.3 | 13,568.3 | 6,584.2 | 197.3 | 197.2 | 107.89 | -82.8 | 6,805.9 | 243.9 | -133.3 | 377.14 | 0.647 | Level 1 | |
| 13,600.0 | 6,508.4 | 13,668.3 | 6,583.3 | 200.1 | 200.0 | 107.90 | -82.8 | 6,905.9 | 243.9 | -138.6 | 382.46 | 0.638 | Level 1 | |
| 13,639.5 | 6,508.0 | 13,707.8 | 6,583.0 | 201.3 | 201.1 | 107.91 | -82.8 | 6,945.4 | 243.9 | -140.7 | 384.57 | 0.634 | Level 1, ES, SF | |

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|---------------------------|--------------------------------------|-------------------------------------|-----------------------------|
| Company: | PETROLEUM DEVELOPMENT CORP DJ Basin | Local Co-ordinate Reference: | Well Bihain 26G-212 |
| Project: | SEC.26-T5N-R64W | TVD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Reference Site: | Bihain 5N64W26GK Pad Sec.26-T5N-R64W | MD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bihain 26G-212 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #1 (11-2-15) | Offset TVD Reference: | Offset Datum |

| Offset Design Existing Wells Pad Sec.26-T5N-R64W - Bihain 26-2 (Exist.) - Wellbore #1 - Wellbore #1 | | | | | | | | | | | | | Offset Site Error: 0.0 ft | |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|---------------------------|--|
| Survey Program: 6867-UNKNOWN | | | | | | | | | | | | | Offset Well Error: 0.0 ft | |
| 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 | |
| 7,300.0 | 6,565.5 | 6,545.5 | 6,545.5 | 27.7 | 130.9 | -92.11 | 374.9 | 1,522.2 | 944.0 | 785.6 | 158.45 | 5.958 | | |
| 7,400.0 | 6,564.6 | 6,544.6 | 6,544.6 | 30.0 | 130.9 | -91.88 | 374.9 | 1,522.2 | 847.3 | 686.5 | 160.78 | 5.270 | | |
| 7,500.0 | 6,563.7 | 6,543.7 | 6,543.7 | 32.4 | 130.9 | -91.65 | 374.9 | 1,522.2 | 751.3 | 588.2 | 163.19 | 4.604 | | |
| 7,600.0 | 6,562.8 | 6,542.8 | 6,542.8 | 34.9 | 130.9 | -91.42 | 374.9 | 1,522.2 | 656.7 | 491.0 | 165.65 | 3.964 | | |
| 7,700.0 | 6,561.9 | 6,541.9 | 6,541.9 | 37.4 | 130.8 | -91.19 | 374.9 | 1,522.2 | 563.8 | 395.6 | 168.16 | 3.353 | | |
| 7,800.0 | 6,561.0 | 6,541.0 | 6,541.0 | 39.9 | 130.8 | -90.96 | 374.9 | 1,522.2 | 473.8 | 303.1 | 170.71 | 2.776 | | |
| 7,900.0 | 6,560.1 | 6,540.1 | 6,540.1 | 42.5 | 130.8 | -90.73 | 374.9 | 1,522.2 | 388.8 | 215.6 | 173.29 | 2.244 | | |
| 8,000.0 | 6,559.2 | 6,539.2 | 6,539.2 | 45.1 | 130.8 | -90.50 | 374.9 | 1,522.2 | 312.8 | 136.9 | 175.90 | 1.779 | | |
| 8,100.0 | 6,558.3 | 6,538.3 | 6,538.3 | 47.8 | 130.8 | -90.27 | 374.9 | 1,522.2 | 254.0 | 75.5 | 178.52 | 1.423 | Level 3 | |
| 8,200.0 | 6,557.4 | 6,537.4 | 6,537.4 | 50.4 | 130.7 | -90.04 | 374.9 | 1,522.2 | 226.3 | 45.1 | 181.16 | 1.249 | Level 2 | |
| 8,216.7 | 6,557.2 | 6,537.2 | 6,537.2 | 50.9 | 130.7 | -90.00 | 374.9 | 1,522.2 | 225.6 | 44.0 | 181.60 | 1.242 | Level 2, CC, ES, SF | |
| 8,300.0 | 6,556.5 | 6,536.5 | 6,536.5 | 53.1 | 130.7 | -89.81 | 374.9 | 1,522.2 | 240.5 | 56.7 | 183.81 | 1.309 | Level 3 | |
| 8,400.0 | 6,555.6 | 6,535.6 | 6,535.6 | 55.8 | 130.7 | -89.58 | 374.9 | 1,522.2 | 290.7 | 104.2 | 186.47 | 1.559 | | |
| 8,500.0 | 6,554.6 | 6,534.6 | 6,534.6 | 58.5 | 130.7 | -89.35 | 374.9 | 1,522.2 | 362.2 | 173.0 | 189.15 | 1.915 | | |
| 8,600.0 | 6,553.7 | 6,533.7 | 6,533.7 | 61.2 | 130.7 | -89.12 | 374.9 | 1,522.2 | 444.8 | 252.9 | 191.83 | 2.319 | | |
| 8,700.0 | 6,552.8 | 6,532.8 | 6,532.8 | 63.9 | 130.7 | -88.89 | 374.9 | 1,522.2 | 533.4 | 338.8 | 194.51 | 2.742 | | |
| 8,800.0 | 6,551.9 | 6,531.9 | 6,531.9 | 66.6 | 130.6 | -88.66 | 374.9 | 1,522.2 | 625.4 | 428.2 | 197.20 | 3.171 | | |
| 8,900.0 | 6,551.0 | 6,531.0 | 6,531.0 | 69.3 | 130.6 | -88.43 | 374.9 | 1,522.2 | 719.6 | 519.7 | 199.89 | 3.600 | | |
| 9,000.0 | 6,550.1 | 6,530.1 | 6,530.1 | 72.1 | 130.6 | -88.20 | 374.9 | 1,522.2 | 815.1 | 612.5 | 202.59 | 4.024 | | |
| 9,100.0 | 6,549.2 | 6,529.2 | 6,529.2 | 74.8 | 130.6 | -87.97 | 374.9 | 1,522.2 | 911.6 | 706.3 | 205.29 | 4.441 | | |

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|---------------------------|--------------------------------------|-------------------------------------|-----------------------------|
| Company: | PETROLEUM DEVELOPMENT CORP DJ Basin | Local Co-ordinate Reference: | Well Bihain 26G-212 |
| Project: | SEC.26-T5N-R64W | TVD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Reference Site: | Bihain 5N64W26GK Pad Sec.26-T5N-R64W | MD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bihain 26G-212 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #1 (11-2-15) | Offset TVD Reference: | Offset Datum |

| Offset Design Existing Wells Pad Sec.26-T5N-R64W - Bihain 26-3 (Exist.) - Wellbore #1 - Wellbore #1 | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|--------------------|---------|
| Survey Program: 6865-UNKNOWN | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| 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 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 28.45 | 396.0 | 214.6 | 450.8 | | | | |
| 100.0 | 100.0 | 82.0 | 82.0 | 0.1 | 1.6 | 28.45 | 396.0 | 214.6 | 450.4 | 448.6 | 1.75 | 256.988 | |
| 200.0 | 200.0 | 182.0 | 182.0 | 0.3 | 3.6 | 28.45 | 396.0 | 214.6 | 450.4 | 446.4 | 3.98 | 113.239 | |
| 300.0 | 300.0 | 282.0 | 282.0 | 0.6 | 5.6 | 28.45 | 396.0 | 214.6 | 450.4 | 444.2 | 6.20 | 72.619 | |
| 400.0 | 400.0 | 382.0 | 382.0 | 0.8 | 7.6 | 28.45 | 396.0 | 214.6 | 450.4 | 442.0 | 8.43 | 53.447 | |
| 500.0 | 500.0 | 482.0 | 482.0 | 1.0 | 9.6 | 28.45 | 396.0 | 214.6 | 450.4 | 439.7 | 10.65 | 42.284 | |
| 600.0 | 600.0 | 582.0 | 582.0 | 1.2 | 11.6 | 28.45 | 396.0 | 214.6 | 450.4 | 437.5 | 12.88 | 34.978 | |
| 700.0 | 700.0 | 682.0 | 682.0 | 1.5 | 13.6 | 28.45 | 396.0 | 214.6 | 450.4 | 435.3 | 15.10 | 29.825 | |
| 800.0 | 800.0 | 782.0 | 782.0 | 1.7 | 15.6 | 28.45 | 396.0 | 214.6 | 450.4 | 433.1 | 17.33 | 25.995 | |
| 900.0 | 900.0 | 882.0 | 882.0 | 1.9 | 17.6 | 28.45 | 396.0 | 214.6 | 450.4 | 430.8 | 19.55 | 23.037 | |
| 1,000.0 | 1,000.0 | 982.0 | 982.0 | 2.1 | 19.6 | 28.45 | 396.0 | 214.6 | 450.4 | 428.6 | 21.78 | 20.683 | |
| 1,100.0 | 1,100.0 | 1,082.0 | 1,082.0 | 2.4 | 21.6 | 28.45 | 396.0 | 214.6 | 450.4 | 426.4 | 24.00 | 18.766 | |
| 1,200.0 | 1,200.0 | 1,182.0 | 1,182.0 | 2.6 | 23.6 | 28.45 | 396.0 | 214.6 | 450.4 | 424.2 | 26.22 | 17.174 | |
| 1,300.0 | 1,300.0 | 1,282.0 | 1,282.0 | 2.8 | 25.6 | 28.45 | 396.0 | 214.6 | 450.4 | 421.9 | 28.45 | 15.831 | |
| 1,400.0 | 1,400.0 | 1,382.0 | 1,382.0 | 3.0 | 27.6 | 28.45 | 396.0 | 214.6 | 450.4 | 419.7 | 30.67 | 14.683 | |
| 1,500.0 | 1,500.0 | 1,482.0 | 1,482.0 | 3.3 | 29.6 | 28.45 | 396.0 | 214.6 | 450.4 | 417.5 | 32.90 | 13.690 | |
| 1,600.0 | 1,600.0 | 1,582.0 | 1,582.0 | 3.5 | 31.6 | 28.45 | 396.0 | 214.6 | 450.4 | 415.3 | 35.12 | 12.823 | |
| 1,700.0 | 1,700.0 | 1,682.0 | 1,682.0 | 3.7 | 33.6 | 99.12 | 396.0 | 214.6 | 450.5 | 413.2 | 37.34 | 12.066 | |
| 1,800.0 | 1,800.0 | 1,782.0 | 1,782.0 | 3.9 | 35.6 | 99.44 | 396.0 | 214.6 | 451.0 | 411.4 | 39.55 | 11.403 | |
| 1,900.0 | 1,899.9 | 1,881.9 | 1,881.9 | 4.1 | 37.6 | 99.98 | 396.0 | 214.6 | 451.7 | 409.9 | 41.76 | 10.817 | |
| 2,000.0 | 1,999.7 | 1,981.7 | 1,981.7 | 4.3 | 39.6 | 100.73 | 396.0 | 214.6 | 452.8 | 408.8 | 43.97 | 10.298 | |
| 2,100.0 | 2,099.4 | 2,081.4 | 2,081.4 | 4.6 | 41.6 | 101.68 | 396.0 | 214.6 | 454.3 | 408.1 | 46.18 | 9.837 | |
| 2,200.0 | 2,198.9 | 2,180.9 | 2,180.9 | 4.8 | 43.6 | 102.83 | 396.0 | 214.6 | 456.4 | 408.0 | 48.40 | 9.429 | |
| 2,300.0 | 2,298.3 | 2,280.3 | 2,280.3 | 5.0 | 45.6 | 104.18 | 396.0 | 214.6 | 459.0 | 408.4 | 50.62 | 9.068 | |
| 2,400.0 | 2,397.4 | 2,379.4 | 2,379.4 | 5.3 | 47.6 | 105.70 | 396.0 | 214.6 | 462.4 | 409.6 | 52.84 | 8.751 | |
| 2,464.5 | 2,461.2 | 2,443.2 | 2,443.2 | 5.5 | 48.9 | 106.77 | 396.0 | 214.6 | 465.0 | 410.8 | 54.27 | 8.569 | |
| 2,500.0 | 2,496.3 | 2,478.3 | 2,478.3 | 5.6 | 49.6 | 107.39 | 396.0 | 214.6 | 466.6 | 411.6 | 55.07 | 8.474 | |
| 2,600.0 | 2,595.2 | 2,577.2 | 2,577.2 | 5.9 | 51.5 | 109.12 | 396.0 | 214.6 | 471.4 | 414.1 | 57.30 | 8.226 | |
| 2,700.0 | 2,694.0 | 2,676.0 | 2,676.0 | 6.2 | 53.5 | 110.81 | 396.0 | 214.6 | 476.6 | 417.0 | 59.54 | 8.004 | |
| 2,800.0 | 2,792.9 | 2,774.9 | 2,774.9 | 6.5 | 55.5 | 112.46 | 396.0 | 214.6 | 482.2 | 420.4 | 61.79 | 7.804 | |
| 2,900.0 | 2,891.8 | 2,873.8 | 2,873.8 | 6.8 | 57.5 | 114.08 | 396.0 | 214.6 | 488.2 | 424.1 | 64.03 | 7.624 | |
| 3,000.0 | 2,990.6 | 2,972.6 | 2,972.6 | 7.1 | 59.5 | 115.65 | 396.0 | 214.6 | 494.6 | 428.3 | 66.27 | 7.462 | |
| 3,100.0 | 3,089.5 | 3,071.5 | 3,071.5 | 7.4 | 61.4 | 117.19 | 396.0 | 214.6 | 501.3 | 432.8 | 68.52 | 7.317 | |
| 3,200.0 | 3,188.4 | 3,170.4 | 3,170.4 | 7.7 | 63.4 | 118.68 | 396.0 | 214.6 | 508.4 | 437.6 | 70.76 | 7.185 | |
| 3,300.0 | 3,287.2 | 3,269.2 | 3,269.2 | 8.0 | 65.4 | 120.14 | 396.0 | 214.6 | 515.9 | 442.9 | 73.00 | 7.067 | |
| 3,400.0 | 3,386.1 | 3,368.1 | 3,368.1 | 8.4 | 67.4 | 121.55 | 396.0 | 214.6 | 523.6 | 448.4 | 75.23 | 6.960 | |
| 3,500.0 | 3,485.0 | 3,467.0 | 3,467.0 | 8.7 | 69.3 | 122.92 | 396.0 | 214.6 | 531.7 | 454.2 | 77.47 | 6.864 | |
| 3,600.0 | 3,583.8 | 3,565.8 | 3,565.8 | 9.0 | 71.3 | 124.24 | 396.0 | 214.6 | 540.1 | 460.4 | 79.70 | 6.776 | |
| 3,700.0 | 3,682.7 | 3,664.7 | 3,664.7 | 9.4 | 73.3 | 125.53 | 396.0 | 214.6 | 548.8 | 466.8 | 81.93 | 6.698 | |
| 3,800.0 | 3,781.6 | 3,763.6 | 3,763.6 | 9.7 | 75.3 | 126.78 | 396.0 | 214.6 | 557.7 | 473.5 | 84.16 | 6.627 | |
| 3,900.0 | 3,880.4 | 3,862.4 | 3,862.4 | 10.0 | 77.2 | 127.99 | 396.0 | 214.6 | 566.9 | 480.5 | 86.38 | 6.562 | |
| 4,000.0 | 3,979.3 | 3,961.3 | 3,961.3 | 10.4 | 79.2 | 129.16 | 396.0 | 214.6 | 576.3 | 487.7 | 88.61 | 6.504 | |
| 4,100.0 | 4,078.1 | 4,060.1 | 4,060.1 | 10.7 | 81.2 | 130.29 | 396.0 | 214.6 | 586.0 | 495.2 | 90.82 | 6.452 | |
| 4,200.0 | 4,177.0 | 4,159.0 | 4,159.0 | 11.1 | 83.2 | 131.39 | 396.0 | 214.6 | 595.9 | 502.8 | 93.04 | 6.404 | |
| 4,300.0 | 4,275.9 | 4,257.9 | 4,257.9 | 11.4 | 85.2 | 132.44 | 396.0 | 214.6 | 606.0 | 510.7 | 95.26 | 6.362 | |
| 4,400.0 | 4,374.7 | 4,356.7 | 4,356.7 | 11.8 | 87.1 | 133.47 | 396.0 | 214.6 | 616.3 | 518.8 | 97.47 | 6.323 | |
| 4,500.0 | 4,473.6 | 4,455.6 | 4,455.6 | 12.1 | 89.1 | 134.46 | 396.0 | 214.6 | 626.8 | 527.1 | 99.68 | 6.288 | |
| 4,600.0 | 4,572.5 | 4,554.5 | 4,554.5 | 12.5 | 91.1 | 135.42 | 396.0 | 214.6 | 637.5 | 535.6 | 101.89 | 6.256 | |
| 4,700.0 | 4,671.3 | 4,653.3 | 4,653.3 | 12.8 | 93.1 | 136.35 | 396.0 | 214.6 | 648.3 | 544.2 | 104.10 | 6.228 | |
| 4,799.2 | 4,769.4 | 4,751.4 | 4,751.4 | 13.2 | 95.0 | 137.24 | 396.0 | 214.6 | 659.2 | 553.0 | 106.28 | 6.203 | |
| 4,900.0 | 4,869.3 | 4,851.3 | 4,851.3 | 13.5 | 97.0 | 138.15 | 396.0 | 214.6 | 669.2 | 560.5 | 108.73 | 6.154 | |

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

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|---------------------------|--------------------------------------|-------------------------------------|-----------------------------|
| Company: | PETROLEUM DEVELOPMENT CORP DJ Basin | Local Co-ordinate Reference: | Well Bihain 26G-212 |
| Project: | SEC.26-T5N-R64W | TVD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Reference Site: | Bihain 5N64W26GK Pad Sec.26-T5N-R64W | MD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bihain 26G-212 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #1 (11-2-15) | Offset TVD Reference: | Offset Datum |

| Offset Design Existing Wells Pad Sec.26-T5N-R64W - Bihain 26-3 (Exist.) - Wellbore #1 - Wellbore #1 | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|--------------------|---------|
| Survey Program: 6865-UNKNOWN | | | | | | | | | | | | Offset Well Error: | 0.0 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 | |
| 5,000.0 | 4,968.8 | 4,950.8 | 4,950.8 | 13.7 | 99.0 | 138.80 | 396.0 | 214.6 | 676.6 | 565.5 | 111.09 | 6.090 | |
| 5,100.0 | 5,068.6 | 5,050.6 | 5,050.6 | 13.9 | 101.0 | 139.21 | 396.0 | 214.6 | 681.3 | 568.0 | 113.38 | 6.010 | |
| 5,200.0 | 5,168.6 | 5,150.6 | 5,150.6 | 14.0 | 103.0 | 139.39 | 396.0 | 214.6 | 683.5 | 567.9 | 115.59 | 5.913 | |
| 5,231.4 | 5,200.0 | 5,182.0 | 5,182.0 | 14.1 | 103.6 | 68.85 | 396.0 | 214.6 | 683.6 | 566.8 | 116.82 | 5.852 | |
| 5,300.0 | 5,268.6 | 5,250.6 | 5,250.6 | 14.2 | 105.0 | 68.85 | 396.0 | 214.6 | 683.6 | 565.3 | 118.31 | 5.778 | |
| 5,400.0 | 5,368.6 | 5,350.6 | 5,350.6 | 14.4 | 107.0 | 68.85 | 396.0 | 214.6 | 683.6 | 563.1 | 120.50 | 5.673 | |
| 5,500.0 | 5,468.6 | 5,450.6 | 5,450.6 | 14.6 | 109.0 | 68.85 | 396.0 | 214.6 | 683.6 | 560.9 | 122.69 | 5.572 | |
| 5,600.0 | 5,568.6 | 5,550.6 | 5,550.6 | 14.7 | 111.0 | 68.85 | 396.0 | 214.6 | 683.6 | 558.7 | 124.88 | 5.474 | |
| 5,700.0 | 5,668.6 | 5,650.6 | 5,650.6 | 14.9 | 113.0 | 68.85 | 396.0 | 214.6 | 683.6 | 556.5 | 127.07 | 5.380 | |
| 5,800.0 | 5,768.6 | 5,750.6 | 5,750.6 | 15.1 | 115.0 | 68.85 | 396.0 | 214.6 | 683.6 | 554.4 | 129.26 | 5.289 | |
| 5,835.4 | 5,804.0 | 5,786.0 | 5,786.0 | 15.2 | 115.7 | 68.85 | 396.0 | 214.6 | 683.6 | 553.6 | 130.04 | 5.257 | |
| 5,850.0 | 5,818.6 | 5,800.6 | 5,800.6 | 15.2 | 116.0 | -21.16 | 396.0 | 214.6 | 683.5 | 553.7 | 129.80 | 5.266 | |
| 5,900.0 | 5,868.5 | 5,850.5 | 5,850.5 | 15.2 | 117.0 | -21.31 | 396.0 | 214.6 | 681.1 | 550.6 | 130.46 | 5.221 | |
| 5,950.0 | 5,918.1 | 5,900.1 | 5,900.1 | 15.3 | 118.0 | -21.64 | 396.0 | 214.6 | 675.6 | 545.0 | 130.63 | 5.172 | |
| 6,000.0 | 5,967.3 | 5,949.3 | 5,949.3 | 15.3 | 119.0 | -22.17 | 396.0 | 214.6 | 667.2 | 536.9 | 130.31 | 5.120 | |
| 6,050.0 | 6,015.7 | 5,997.7 | 5,997.7 | 15.3 | 120.0 | -22.91 | 396.0 | 214.6 | 655.8 | 526.3 | 129.52 | 5.063 | |
| 6,100.0 | 6,063.3 | 6,045.3 | 6,045.3 | 15.3 | 120.9 | -23.89 | 396.0 | 214.6 | 641.5 | 513.2 | 128.32 | 5.000 | |
| 6,150.0 | 6,109.7 | 6,091.7 | 6,091.7 | 15.3 | 121.8 | -25.14 | 396.0 | 214.6 | 624.5 | 497.7 | 126.75 | 4.927 | |
| 6,200.0 | 6,154.9 | 6,136.9 | 6,136.9 | 15.3 | 122.7 | -26.70 | 396.0 | 214.6 | 604.8 | 479.9 | 124.92 | 4.841 | |
| 6,250.0 | 6,198.5 | 6,180.5 | 6,180.5 | 15.2 | 123.6 | -28.63 | 396.0 | 214.6 | 582.6 | 459.6 | 122.98 | 4.737 | |
| 6,300.0 | 6,240.4 | 6,222.4 | 6,222.4 | 15.2 | 124.4 | -30.99 | 396.0 | 214.6 | 558.1 | 436.9 | 121.15 | 4.607 | |
| 6,350.0 | 6,280.5 | 6,262.5 | 6,262.5 | 15.2 | 125.3 | -33.85 | 396.0 | 214.6 | 531.4 | 411.7 | 119.69 | 4.440 | |
| 6,400.0 | 6,318.5 | 6,300.5 | 6,300.5 | 15.3 | 126.0 | -37.30 | 396.0 | 214.6 | 502.9 | 383.9 | 118.98 | 4.227 | |
| 6,450.0 | 6,354.4 | 6,336.4 | 6,336.4 | 15.4 | 126.7 | -41.41 | 396.0 | 214.6 | 472.8 | 353.4 | 119.40 | 3.960 | |
| 6,500.0 | 6,387.8 | 6,369.8 | 6,369.8 | 15.5 | 127.4 | -46.25 | 396.0 | 214.6 | 441.6 | 320.3 | 121.28 | 3.641 | |
| 6,550.0 | 6,418.8 | 6,400.8 | 6,400.8 | 15.7 | 128.0 | -51.81 | 396.0 | 214.6 | 409.6 | 284.9 | 124.76 | 3.283 | |
| 6,600.0 | 6,447.2 | 6,429.2 | 6,429.2 | 16.0 | 128.6 | -57.99 | 396.0 | 214.6 | 377.6 | 248.0 | 129.55 | 2.914 | |
| 6,650.0 | 6,472.7 | 6,454.7 | 6,454.7 | 16.4 | 129.1 | -64.55 | 396.0 | 214.6 | 346.2 | 211.2 | 134.99 | 2.565 | |
| 6,700.0 | 6,495.5 | 6,477.5 | 6,477.5 | 16.9 | 129.5 | -71.13 | 396.0 | 214.6 | 316.5 | 176.4 | 140.18 | 2.258 | |
| 6,750.0 | 6,515.2 | 6,497.2 | 6,497.2 | 17.4 | 129.9 | -77.29 | 396.0 | 214.6 | 290.0 | 145.6 | 144.39 | 2.008 | |
| 6,800.0 | 6,531.9 | 6,513.9 | 6,513.9 | 18.1 | 130.3 | -82.62 | 396.0 | 214.6 | 268.2 | 120.9 | 147.33 | 1.821 | |
| 6,850.0 | 6,545.5 | 6,527.5 | 6,527.5 | 18.8 | 130.6 | -86.81 | 396.0 | 214.6 | 253.3 | 104.1 | 149.18 | 1.698 | |
| 6,900.0 | 6,555.9 | 6,537.9 | 6,537.9 | 19.6 | 130.8 | -89.66 | 396.0 | 214.6 | 246.8 | 96.5 | 150.38 | 1.642 | |
| 6,908.4 | 6,557.4 | 6,539.4 | 6,539.4 | 19.8 | 130.8 | -90.00 | 396.0 | 214.6 | 246.7 | 96.2 | 150.55 | 1.639 CC, ES, SF | |
| 6,950.0 | 6,563.1 | 6,545.1 | 6,545.1 | 20.5 | 130.9 | -91.07 | 396.0 | 214.6 | 250.1 | 98.8 | 151.34 | 1.653 | |
| 7,000.0 | 6,567.1 | 6,549.1 | 6,549.1 | 21.4 | 131.0 | -90.98 | 396.0 | 214.6 | 263.0 | 110.6 | 152.34 | 1.726 | |
| 7,042.3 | 6,567.9 | 6,549.9 | 6,549.9 | 22.2 | 131.0 | -89.72 | 396.0 | 214.6 | 280.4 | 127.2 | 153.19 | 1.831 | |
| 7,100.0 | 6,567.4 | 6,549.4 | 6,549.4 | 23.3 | 131.0 | -89.60 | 396.0 | 214.6 | 312.0 | 157.7 | 154.32 | 2.022 | |
| 7,200.0 | 6,566.4 | 6,548.4 | 6,548.4 | 25.4 | 131.0 | -89.39 | 396.0 | 214.6 | 381.5 | 225.1 | 156.40 | 2.439 | |
| 7,300.0 | 6,565.5 | 6,547.5 | 6,547.5 | 27.7 | 131.0 | -89.18 | 396.0 | 214.6 | 462.3 | 303.7 | 158.61 | 2.915 | |
| 7,400.0 | 6,564.6 | 6,546.6 | 6,546.6 | 30.0 | 130.9 | -88.97 | 396.0 | 214.6 | 549.5 | 388.6 | 160.91 | 3.415 | |
| 7,500.0 | 6,563.7 | 6,545.7 | 6,545.7 | 32.4 | 130.9 | -88.75 | 396.0 | 214.6 | 640.4 | 477.1 | 163.28 | 3.922 | |
| 7,600.0 | 6,562.8 | 6,544.8 | 6,544.8 | 34.9 | 130.9 | -88.54 | 396.0 | 214.6 | 733.7 | 568.0 | 165.72 | 4.427 | |
| 7,700.0 | 6,561.9 | 6,543.9 | 6,543.9 | 37.4 | 130.9 | -88.33 | 396.0 | 214.6 | 828.6 | 660.4 | 168.20 | 4.926 | |
| 7,800.0 | 6,561.0 | 6,543.0 | 6,543.0 | 39.9 | 130.9 | -88.12 | 396.0 | 214.6 | 924.5 | 753.8 | 170.71 | 5.415 | |

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|---------------------------|--------------------------------------|-------------------------------------|-----------------------------|
| Company: | PETROLEUM DEVELOPMENT CORP DJ Basin | Local Co-ordinate Reference: | Well Bihain 26G-212 |
| Project: | SEC.26-T5N-R64W | TVD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Reference Site: | Bihain 5N64W26GK Pad Sec.26-T5N-R64W | MD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bihain 26G-212 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #1 (11-2-15) | Offset TVD Reference: | Offset Datum |

| Offset Design Existing Wells Pad Sec.26-T5N-R64W - Monfort Kuner B 26-7 (Exist.) - Wellbore #1 - Wellbore #1 | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|---------------------------|--------------------|--------|
| Survey Program: 7312-UNKNOWN | | | | | | | | | | | | | Offset Well Error: | 0.0 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 | | |
| 8,600.0 | 6,553.7 | 6,529.7 | 6,529.7 | 61.2 | 130.6 | -91.94 | 402.4 | 2,849.9 | 977.7 | 786.1 | 191.63 | 5.102 | | |
| 8,700.0 | 6,552.8 | 6,528.8 | 6,528.8 | 63.9 | 130.6 | -91.73 | 402.4 | 2,849.9 | 881.5 | 687.2 | 194.35 | 4.536 | | |
| 8,800.0 | 6,551.9 | 6,527.9 | 6,527.9 | 66.6 | 130.6 | -91.53 | 402.4 | 2,849.9 | 786.3 | 589.2 | 197.08 | 3.990 | | |
| 8,900.0 | 6,551.0 | 6,527.0 | 6,527.0 | 69.3 | 130.5 | -91.32 | 402.4 | 2,849.9 | 692.3 | 492.5 | 199.81 | 3.465 | | |
| 9,000.0 | 6,550.1 | 6,526.1 | 6,526.1 | 72.1 | 130.5 | -91.12 | 402.4 | 2,849.9 | 600.4 | 397.8 | 202.54 | 2.964 | | |
| 9,100.0 | 6,549.2 | 6,525.2 | 6,525.2 | 74.8 | 130.5 | -90.91 | 402.4 | 2,849.9 | 511.4 | 306.2 | 205.28 | 2.491 | | |
| 9,200.0 | 6,548.3 | 6,524.3 | 6,524.3 | 77.6 | 130.5 | -90.71 | 402.4 | 2,849.9 | 427.4 | 219.4 | 208.02 | 2.055 | | |
| 9,300.0 | 6,547.4 | 6,523.4 | 6,523.4 | 80.3 | 130.5 | -90.50 | 402.4 | 2,849.9 | 351.9 | 141.1 | 210.76 | 1.669 | | |
| 9,400.0 | 6,546.5 | 6,522.5 | 6,522.5 | 83.1 | 130.4 | -90.30 | 402.4 | 2,849.9 | 291.4 | 77.9 | 213.50 | 1.365 Level 3 | | |
| 9,500.0 | 6,545.6 | 6,521.6 | 6,521.6 | 85.8 | 130.4 | -90.09 | 402.4 | 2,849.9 | 257.0 | 40.7 | 216.25 | 1.188 Level 2 | | |
| 9,544.5 | 6,545.2 | 6,521.2 | 6,521.2 | 87.1 | 130.4 | -90.00 | 402.4 | 2,849.9 | 253.1 | 35.6 | 217.47 | 1.164 Level 2, CC, ES, SF | | |
| 9,600.0 | 6,544.7 | 6,520.7 | 6,520.7 | 88.6 | 130.4 | -89.89 | 402.4 | 2,849.9 | 259.1 | 40.1 | 218.99 | 1.183 Level 2 | | |
| 9,700.0 | 6,543.8 | 6,519.8 | 6,519.8 | 91.4 | 130.4 | -89.68 | 402.4 | 2,849.9 | 297.1 | 75.3 | 221.74 | 1.340 Level 3 | | |
| 9,800.0 | 6,542.8 | 6,518.8 | 6,518.8 | 94.1 | 130.4 | -89.47 | 402.4 | 2,849.9 | 359.7 | 135.2 | 224.48 | 1.602 | | |
| 9,900.0 | 6,541.9 | 6,517.9 | 6,517.9 | 96.9 | 130.4 | -89.27 | 402.4 | 2,849.9 | 436.4 | 209.2 | 227.23 | 1.921 | | |
| 10,000.0 | 6,541.0 | 6,517.0 | 6,517.0 | 99.7 | 130.3 | -89.06 | 402.4 | 2,849.9 | 521.1 | 291.1 | 229.97 | 2.266 | | |
| 10,100.0 | 6,540.1 | 6,516.1 | 6,516.1 | 102.4 | 130.3 | -88.86 | 402.4 | 2,849.9 | 610.5 | 377.7 | 232.71 | 2.623 | | |
| 10,200.0 | 6,539.2 | 6,515.2 | 6,515.2 | 105.2 | 130.3 | -88.65 | 402.4 | 2,849.9 | 702.7 | 467.2 | 235.46 | 2.984 | | |
| 10,300.0 | 6,538.3 | 6,514.3 | 6,514.3 | 108.0 | 130.3 | -88.45 | 402.4 | 2,849.9 | 796.8 | 558.6 | 238.20 | 3.345 | | |
| 10,400.0 | 6,537.4 | 6,513.4 | 6,513.4 | 110.8 | 130.3 | -88.24 | 402.4 | 2,849.9 | 892.2 | 651.2 | 240.93 | 3.703 | | |
| 10,500.0 | 6,536.5 | 6,512.5 | 6,512.5 | 113.5 | 130.2 | -88.04 | 402.4 | 2,849.9 | 988.5 | 744.8 | 243.67 | 4.057 | | |

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|---------------------------|--------------------------------------|-------------------------------------|-----------------------------|
| Company: | PETROLEUM DEVELOPMENT CORP DJ Basin | Local Co-ordinate Reference: | Well Bihain 26G-212 |
| Project: | SEC.26-T5N-R64W | TVD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Reference Site: | Bihain 5N64W26GK Pad Sec.26-T5N-R64W | MD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bihain 26G-212 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #1 (11-2-15) | Offset TVD Reference: | Offset Datum |

| Offset Design Existing Wells Pad Sec.26-T5N-R64W - Monfort Kuner B 26-8 (Exist.) - Wellbore #1 - Wellbore #1 | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|---------------------|---------|
| Survey Program: 6840-UNKNOWN | | | | | | | | | | | | | Offset Well Error: | 0.0 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 | | |
| 9,900.0 | 6,541.9 | 6,514.9 | 6,514.9 | 96.9 | 130.3 | -91.98 | 394.5 | 4,141.4 | 967.5 | 740.5 | 227.03 | 4.262 | | |
| 10,000.0 | 6,541.0 | 6,514.0 | 6,514.0 | 99.7 | 130.3 | -91.77 | 394.5 | 4,141.4 | 871.2 | 641.4 | 229.81 | 3.791 | | |
| 10,100.0 | 6,540.1 | 6,513.1 | 6,513.1 | 102.4 | 130.3 | -91.56 | 394.5 | 4,141.4 | 775.7 | 543.2 | 232.59 | 3.335 | | |
| 10,200.0 | 6,539.2 | 6,512.2 | 6,512.2 | 105.2 | 130.2 | -91.35 | 394.5 | 4,141.4 | 681.6 | 446.2 | 235.37 | 2.896 | | |
| 10,300.0 | 6,538.3 | 6,511.3 | 6,511.3 | 108.0 | 130.2 | -91.14 | 394.5 | 4,141.4 | 589.4 | 351.3 | 238.15 | 2.475 | | |
| 10,400.0 | 6,537.4 | 6,510.4 | 6,510.4 | 110.8 | 130.2 | -90.92 | 394.5 | 4,141.4 | 500.2 | 259.3 | 240.93 | 2.076 | | |
| 10,500.0 | 6,536.5 | 6,509.5 | 6,509.5 | 113.5 | 130.2 | -90.71 | 394.5 | 4,141.4 | 416.0 | 172.3 | 243.70 | 1.707 | | |
| 10,600.0 | 6,535.6 | 6,508.6 | 6,508.6 | 116.3 | 130.2 | -90.50 | 394.5 | 4,141.4 | 340.3 | 93.9 | 246.48 | 1.381 | Level 3 | |
| 10,700.0 | 6,534.7 | 6,507.7 | 6,507.7 | 119.1 | 130.2 | -90.29 | 394.5 | 4,141.4 | 280.4 | 31.2 | 249.25 | 1.125 | Level 2 | |
| 10,800.0 | 6,533.8 | 6,506.8 | 6,506.8 | 121.9 | 130.1 | -90.08 | 394.5 | 4,141.4 | 247.9 | -4.1 | 252.02 | 0.984 | Level 1 | |
| 10,836.0 | 6,533.4 | 6,506.4 | 6,506.4 | 122.9 | 130.1 | -90.00 | 394.5 | 4,141.4 | 245.3 | -7.8 | 253.02 | 0.969 | Level 1, CC, ES, SF | |
| 10,900.0 | 6,532.9 | 6,505.9 | 6,505.9 | 124.7 | 130.1 | -89.86 | 394.5 | 4,141.4 | 253.5 | -1.3 | 254.79 | 0.995 | Level 1 | |
| 11,000.0 | 6,532.0 | 6,505.0 | 6,505.0 | 127.5 | 130.1 | -89.65 | 394.5 | 4,141.4 | 295.0 | 37.5 | 257.56 | 1.146 | Level 2 | |
| 11,100.0 | 6,531.0 | 6,504.0 | 6,504.0 | 130.3 | 130.1 | -89.44 | 394.5 | 4,141.4 | 360.3 | 100.0 | 260.32 | 1.384 | Level 3 | |
| 11,200.0 | 6,530.1 | 6,503.1 | 6,503.1 | 133.0 | 130.1 | -89.23 | 394.5 | 4,141.4 | 438.9 | 175.8 | 263.09 | 1.668 | | |
| 11,300.0 | 6,529.2 | 6,502.2 | 6,502.2 | 135.8 | 130.0 | -89.02 | 394.5 | 4,141.4 | 524.8 | 259.0 | 265.84 | 1.974 | | |
| 11,400.0 | 6,528.3 | 6,501.3 | 6,501.3 | 138.6 | 130.0 | -88.80 | 394.5 | 4,141.4 | 615.0 | 346.4 | 268.60 | 2.290 | | |
| 11,500.0 | 6,527.4 | 6,500.4 | 6,500.4 | 141.4 | 130.0 | -88.59 | 394.5 | 4,141.4 | 707.8 | 436.5 | 271.35 | 2.609 | | |
| 11,600.0 | 6,526.5 | 6,499.5 | 6,499.5 | 144.2 | 130.0 | -88.38 | 394.5 | 4,141.4 | 802.4 | 528.3 | 274.10 | 2.927 | | |
| 11,700.0 | 6,525.6 | 6,498.6 | 6,498.6 | 147.0 | 130.0 | -88.17 | 394.5 | 4,141.4 | 898.1 | 621.3 | 276.85 | 3.244 | | |
| 11,800.0 | 6,524.7 | 6,497.7 | 6,497.7 | 149.8 | 130.0 | -87.96 | 394.5 | 4,141.4 | 994.7 | 715.1 | 279.59 | 3.558 | | |

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|---------------------------|--------------------------------------|-------------------------------------|-----------------------------|
| Company: | PETROLEUM DEVELOPMENT CORP DJ Basin | Local Co-ordinate Reference: | Well Bihain 26G-212 |
| Project: | SEC.26-T5N-R64W | TVD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Reference Site: | Bihain 5N64W26GK Pad Sec.26-T5N-R64W | MD Reference: | WELL @ 4617.0ft (RKB - 13') |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bihain 26G-212 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #1 (11-2-15) | Offset TVD Reference: | Offset Datum |

Reference Depths are relative to WELL @ 4617.0ft (RKB - 13')

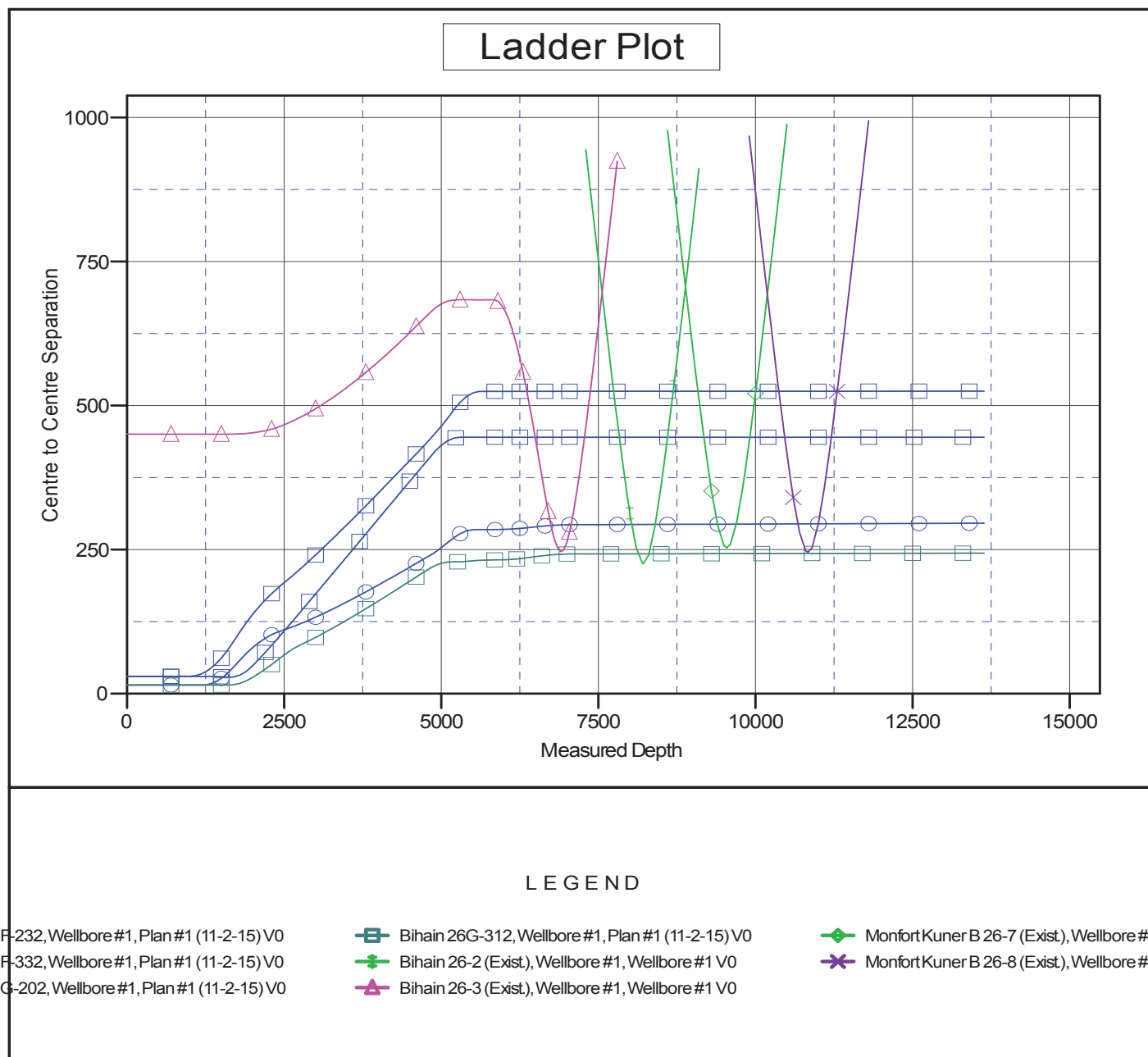
Offset Depths are relative to Offset Datum

Central Meridian is -105.500000

Coordinates are relative to: Bihain 26G-212

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.63°



Coordinates are relative to: Bihain 26G-212
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.63°

