

# PETROLEUM DEVELOPMENT CORP DJ Basin

Well Name: **Bihain 26G-202**

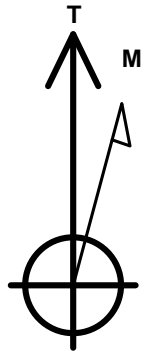
Surface Location: Bihain 5N64W26GK Pad Sec.26-T5N-R64W  
North American Datum 1983 , US State Plane 1983, Colorado Northern Zone  
Ground Elevation: 4604.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1379515.21	3271762.77	40.371068	-104.524624	

RKB - 23' WELL @ 4627.0ft (RKB - 23')

## DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 2387'FNL & 496'FWL, Sec.26	11.0	0.0	0.0	Point
BHL 2588'FSL & 500'FEL, Sec.25	6512.0	-300.9	9543.6	Point



Azimuths to True North  
Magnetic North: 8.14°

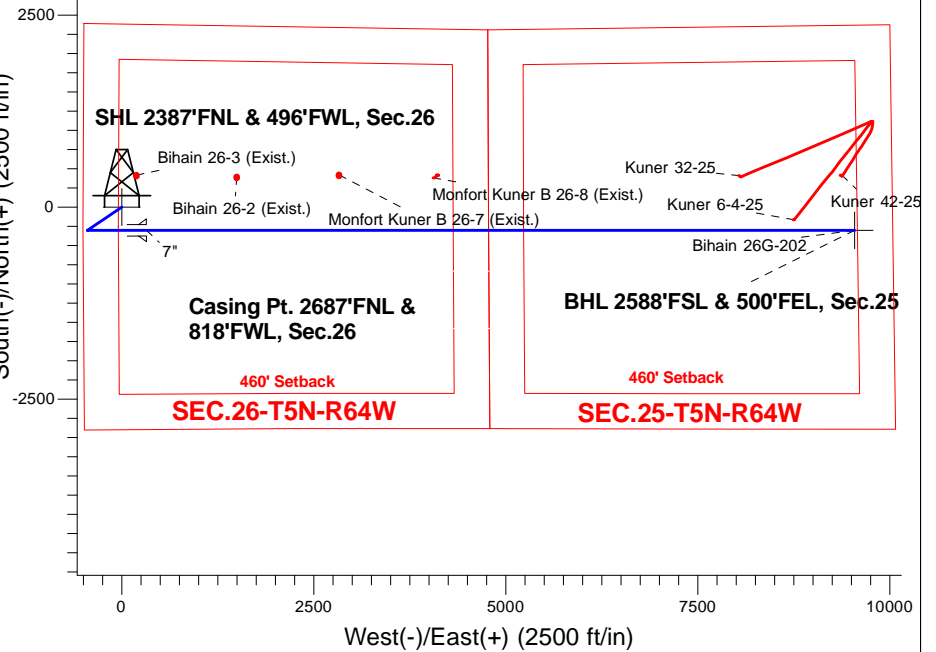
Magnetic Field  
Strength: 52680.8snT  
Dip Angle: 66.91°  
Date: 11/2/2015  
Model: IGRF2010

Bihain 5N64W26GK Pad Sec.26-T5N-R64W  
Bihain 26G-202  
Plan #1 Extension (3-3-16)  
13:30, March 09 2016

## ANNOTATIONS

TVD	MD	Annotation
1400.0	1400.0	KOP - Start Build 1.50
4848.3	4886.9	Start Drop -2.00
5802.8	5843.3	KOP #2 - Start Build 7.50
6566.7	7047.8	Start 9221.3 hold at 7047.8 MD
6512.0	16269.0	TD at 16269.0

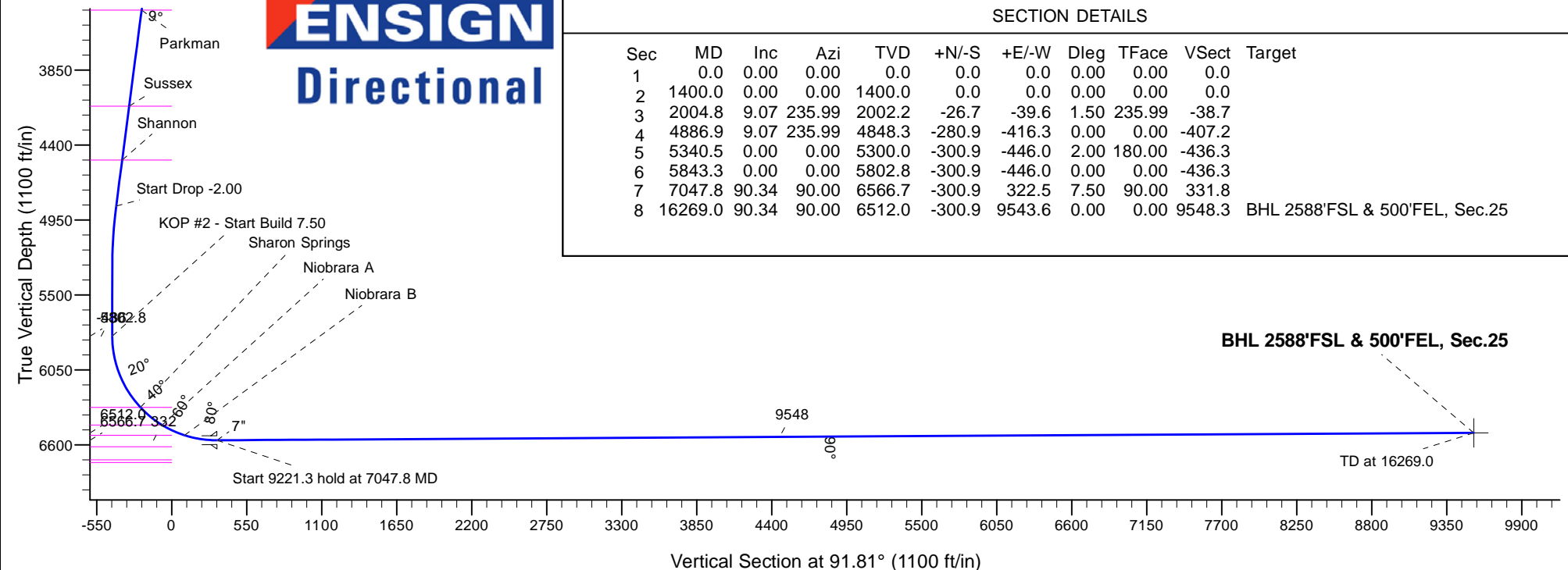
South(-)/North(+) (2500 ft/in)



## SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1400.0	0.00	0.00	1400.0	0.0	0.0	0.00	0.00	0.0	
3	2004.8	9.07	235.99	2002.2	-26.7	-39.6	1.50	235.99	-38.7	
4	4886.9	9.07	235.99	4848.3	-280.9	-416.3	0.00	0.00	-407.2	
5	5340.5	0.00	0.00	5300.0	-300.9	-446.0	2.00	180.00	-436.3	
6	5843.3	0.00	0.00	5802.8	-300.9	-446.0	0.00	0.00	-436.3	
7	7047.8	90.34	90.00	6566.7	-300.9	322.5	7.50	90.00	331.8	
8	16269.0	90.34	90.00	6512.0	-300.9	9543.6	0.00	0.00	9548.3	BHL 2588'FSL & 500'FEL, Sec.25

**ENSIGN**  
Directional





# Directional

## **PETROLEUM DEVELOPMENT CORP DJ Basin**

**SEC.26-T5N-R64W**

**Bihain 5N64W26GK Pad Sec.26-T5N-R64W**

**Bihain 26G-202**

**Wellbore #1**

**Plan: Plan #1 Extension (3-3-16)**

## **Standard Planning Report**

**09 March, 2016**

<b>Database:</b>	US_EDM	<b>Local Co-ordinate Reference:</b>	Well Bihain 26G-202
<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>TVD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Project:</b>	SEC.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Site:</b>	Bihain 5N64W26GK Pad Sec.26-T5N-R64W	<b>North Reference:</b>	True
<b>Well:</b>	Bihain 26G-202	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 Extension (3-3-16)		

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

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

Well	Bihain 26G-202					
Well Position	+N/-S	-9.5 ft	Northing:	1,379,515.21 usft	Latitude:	40.371068
	+E/-W	11.7 ft	Easting:	3,271,762.77 usft	Longitude:	-104.524624
Position Uncertainty		0.0 ft	Wellhead Elevation:	0.0 ft	Ground Level:	4,604.0 ft

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

<b>Design</b>	Plan #1 Extension (3-3-16)			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	91.81

<b>Plan Sections</b>										
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	
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,004.8	9.07	235.99	2,002.2	-26.7	-39.6	1.50	1.50	0.00	235.99	
4,886.9	9.07	235.99	4,848.3	-280.9	-416.3	0.00	0.00	0.00	0.00	
5,340.5	0.00	0.00	5,300.0	-300.9	-446.0	2.00	-2.00	0.00	180.00	
5,843.3	0.00	0.00	5,802.8	-300.9	-446.0	0.00	0.00	0.00	0.00	
7,047.8	90.34	90.00	6,566.7	-300.9	322.5	7.50	7.50	0.00	90.00	
16,269.0	90.34	90.00	6,512.0	-300.9	9,543.6	0.00	0.00	0.00	0.00	BHL 2588'FSL & 500'

Database:	US_EDM	Local Co-ordinate Reference:	Well Bihain 26G-202
Company:	PETROLEUM DEVELOPMENT CORP DJ Basin	TVD Reference:	WELL @ 4627.0ft (RKB - 23')
Project:	SEC.26-T5N-R64W	MD Reference:	WELL @ 4627.0ft (RKB - 23')
Site:	Bihain 5N64W26GK Pad Sec.26-T5N-R64W	North Reference:	True
Well:	Bihain 26G-202	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 Extension (3-3-16)		

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
11.0	0.00	0.00	11.0	0.0	0.0	0.0	0.00	0.00	0.00
SHL 2387°FNL & 496°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
KOP - Start Build 1.50									
1,500.0	1.50	235.99	1,500.0	-0.7	-1.1	-1.1	1.50	1.50	0.00
1,600.0	3.00	235.99	1,599.9	-2.9	-4.3	-4.2	1.50	1.50	0.00
1,700.0	4.50	235.99	1,699.7	-6.6	-9.8	-9.5	1.50	1.50	0.00
1,800.0	6.00	235.99	1,799.3	-11.7	-17.3	-17.0	1.50	1.50	0.00
1,900.0	7.50	235.99	1,898.6	-18.3	-27.1	-26.5	1.50	1.50	0.00
2,000.0	9.00	235.99	1,997.5	-26.3	-39.0	-38.1	1.50	1.50	0.00
2,004.8	9.07	235.99	2,002.2	-26.7	-39.6	-38.7	1.50	1.50	0.00
2,100.0	9.07	235.99	2,096.3	-35.1	-52.1	-50.9	0.00	0.00	0.00
2,200.0	9.07	235.99	2,195.0	-43.9	-65.1	-63.7	0.00	0.00	0.00
2,300.0	9.07	235.99	2,293.8	-52.8	-78.2	-76.5	0.00	0.00	0.00
2,400.0	9.07	235.99	2,392.5	-61.6	-91.3	-89.3	0.00	0.00	0.00
2,500.0	9.07	235.99	2,491.3	-70.4	-104.3	-102.1	0.00	0.00	0.00
2,600.0	9.07	235.99	2,590.0	-79.2	-117.4	-114.8	0.00	0.00	0.00
2,700.0	9.07	235.99	2,688.8	-88.0	-130.5	-127.6	0.00	0.00	0.00
2,800.0	9.07	235.99	2,787.5	-96.8	-143.5	-140.4	0.00	0.00	0.00
2,900.0	9.07	235.99	2,886.3	-105.7	-156.6	-153.2	0.00	0.00	0.00
3,000.0	9.07	235.99	2,985.0	-114.5	-169.7	-166.0	0.00	0.00	0.00
3,100.0	9.07	235.99	3,083.8	-123.3	-182.8	-178.8	0.00	0.00	0.00
3,200.0	9.07	235.99	3,182.5	-132.1	-195.8	-191.6	0.00	0.00	0.00
3,300.0	9.07	235.99	3,281.3	-140.9	-208.9	-204.3	0.00	0.00	0.00
3,400.0	9.07	235.99	3,380.0	-149.7	-222.0	-217.1	0.00	0.00	0.00
3,430.4	9.07	235.99	3,410.0	-152.4	-225.9	-221.0	0.00	0.00	0.00
Parkman									
3,500.0	9.07	235.99	3,478.8	-158.6	-235.0	-229.9	0.00	0.00	0.00
3,600.0	9.07	235.99	3,577.5	-167.4	-248.1	-242.7	0.00	0.00	0.00
3,700.0	9.07	235.99	3,676.3	-176.2	-261.2	-255.5	0.00	0.00	0.00
3,800.0	9.07	235.99	3,775.0	-185.0	-274.2	-268.3	0.00	0.00	0.00
3,900.0	9.07	235.99	3,873.8	-193.8	-287.3	-281.1	0.00	0.00	0.00
4,000.0	9.07	235.99	3,972.5	-202.7	-300.4	-293.8	0.00	0.00	0.00
4,100.0	9.07	235.99	4,071.3	-211.5	-313.5	-306.6	0.00	0.00	0.00
4,144.3	9.07	235.99	4,115.0	-215.4	-319.2	-312.3	0.00	0.00	0.00
Sussex									
4,200.0	9.07	235.99	4,170.0	-220.3	-326.5	-319.4	0.00	0.00	0.00
4,300.0	9.07	235.99	4,268.8	-229.1	-339.6	-332.2	0.00	0.00	0.00
4,400.0	9.07	235.99	4,367.5	-237.9	-352.7	-345.0	0.00	0.00	0.00

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Company:	PETROLEUM DEVELOPMENT CORP DJ Basin	TVD Reference:	WELL @ 4627.0ft (RKB - 23')
Project:	SEC.26-T5N-R64W	MD Reference:	WELL @ 4627.0ft (RKB - 23')
Site:	Bihain 5N64W26GK Pad Sec.26-T5N-R64W	North Reference:	True
Well:	Bihain 26G-202	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 Extension (3-3-16)		

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	9.07	235.99	4,466.3	-246.7	-365.7	-357.8	0.00	0.00	0.00
4,544.3	9.07	235.99	4,510.0	-250.6	-371.5	-363.4	0.00	0.00	0.00
Shannon									
4,600.0	9.07	235.99	4,565.0	-255.6	-378.8	-370.6	0.00	0.00	0.00
4,700.0	9.07	235.99	4,663.8	-264.4	-391.9	-383.3	0.00	0.00	0.00
4,800.0	9.07	235.99	4,762.5	-273.2	-404.9	-396.1	0.00	0.00	0.00
4,886.9	9.07	235.99	4,848.3	-280.9	-416.3	-407.2	0.00	0.00	0.00
Start Drop -2.00									
4,900.0	8.81	235.99	4,861.3	-282.0	-418.0	-408.9	2.00	-2.00	0.00
5,000.0	6.81	235.99	4,960.3	-289.6	-429.2	-419.9	2.00	-2.00	0.00
5,100.0	4.81	235.99	5,059.8	-295.3	-437.6	-428.1	2.00	-2.00	0.00
5,200.0	2.81	235.99	5,159.6	-299.0	-443.1	-433.5	2.00	-2.00	0.00
5,300.0	0.81	235.99	5,259.5	-300.7	-445.8	-436.1	2.00	-2.00	0.00
5,340.5	0.00	0.00	5,300.0	-300.9	-446.0	-436.3	2.00	-2.00	0.00
5,400.0	0.00	0.00	5,359.5	-300.9	-446.0	-436.3	0.00	0.00	0.00
5,500.0	0.00	0.00	5,459.5	-300.9	-446.0	-436.3	0.00	0.00	0.00
5,600.0	0.00	0.00	5,559.5	-300.9	-446.0	-436.3	0.00	0.00	0.00
5,700.0	0.00	0.00	5,659.5	-300.9	-446.0	-436.3	0.00	0.00	0.00
5,800.0	0.00	0.00	5,759.5	-300.9	-446.0	-436.3	0.00	0.00	0.00
5,843.3	0.00	0.00	5,802.8	-300.9	-446.0	-436.3	0.00	0.00	0.00
KOP #2 - Start Build 7.50									
5,900.0	4.26	90.00	5,859.5	-300.9	-443.9	-434.2	7.51	7.51	0.00
6,000.0	11.76	90.00	5,958.4	-300.9	-430.0	-420.3	7.50	7.50	0.00
6,100.0	19.26	90.00	6,054.7	-300.9	-403.3	-393.6	7.50	7.50	0.00
6,200.0	26.76	90.00	6,146.7	-300.9	-364.2	-354.5	7.50	7.50	0.00
6,300.0	34.26	90.00	6,232.8	-300.9	-313.5	-303.8	7.50	7.50	0.00
6,400.0	41.76	90.00	6,311.5	-300.9	-251.9	-242.3	7.50	7.50	0.00
6,418.2	43.12	90.00	6,325.0	-300.9	-239.6	-230.0	7.50	7.50	0.00
Sharon Springs									
6,500.0	49.26	90.00	6,381.6	-300.9	-180.7	-171.1	7.50	7.50	0.00
6,600.0	56.76	90.00	6,441.7	-300.9	-100.9	-91.3	7.50	7.50	0.00
6,624.9	58.62	90.00	6,455.0	-300.9	-79.8	-70.3	7.50	7.50	0.00
Niobrara A									
6,700.0	64.26	90.00	6,490.9	-300.9	-13.9	-4.4	7.50	7.50	0.00
6,800.0	71.76	90.00	6,528.3	-300.9	78.8	88.2	7.50	7.50	0.00
6,805.4	72.16	90.00	6,530.0	-300.9	83.9	93.3	7.50	7.50	0.00
Niobrara B									
6,900.0	79.26	90.00	6,553.3	-300.9	175.5	184.9	7.50	7.50	0.00
7,000.0	86.76	90.00	6,565.5	-300.9	274.7	284.1	7.50	7.50	0.00
7,047.8	90.34	90.00	6,566.7	-300.9	322.5	331.8	7.50	7.50	0.00
Start 9221.3 hold at 7047.8 MD - 7"									
7,100.0	90.34	90.00	6,566.4	-300.9	374.7	384.0	0.00	0.00	0.00
7,200.0	90.34	90.00	6,565.8	-300.9	474.7	483.9	0.00	0.00	0.00
7,300.0	90.34	90.00	6,565.2	-300.9	574.7	583.9	0.00	0.00	0.00
7,400.0	90.34	90.00	6,564.6	-300.9	674.7	683.8	0.00	0.00	0.00
7,500.0	90.34	90.00	6,564.0	-300.9	774.7	783.8	0.00	0.00	0.00
7,600.0	90.34	90.00	6,563.4	-300.9	874.7	883.7	0.00	0.00	0.00
7,700.0	90.34	90.00	6,562.8	-300.9	974.7	983.7	0.00	0.00	0.00
7,800.0	90.34	90.00	6,562.3	-300.9	1,074.7	1,083.6	0.00	0.00	0.00
7,900.0	90.34	90.00	6,561.7	-300.9	1,174.7	1,183.6	0.00	0.00	0.00
8,000.0	90.34	90.00	6,561.1	-300.9	1,274.7	1,283.5	0.00	0.00	0.00
8,100.0	90.34	90.00	6,560.5	-300.9	1,374.7	1,383.5	0.00	0.00	0.00

<b>Database:</b>	US_EDM	<b>Local Co-ordinate Reference:</b>	Well Bihain 26G-202
<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>TVD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Project:</b>	SEC.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Site:</b>	Bihain 5N64W26GK Pad Sec.26-T5N-R64W	<b>North Reference:</b>	True
<b>Well:</b>	Bihain 26G-202	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 Extension (3-3-16)		

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	90.34	90.00	6,559.9	-300.9	1,474.7	1,483.4	0.00	0.00	0.00
8,300.0	90.34	90.00	6,559.3	-300.9	1,574.7	1,583.4	0.00	0.00	0.00
8,400.0	90.34	90.00	6,558.7	-300.9	1,674.7	1,683.3	0.00	0.00	0.00
8,500.0	90.34	90.00	6,558.1	-300.9	1,774.7	1,783.3	0.00	0.00	0.00
8,600.0	90.34	90.00	6,557.5	-300.9	1,874.7	1,883.2	0.00	0.00	0.00
8,700.0	90.34	90.00	6,556.9	-300.9	1,974.7	1,983.2	0.00	0.00	0.00
8,800.0	90.34	90.00	6,556.3	-300.9	2,074.7	2,083.1	0.00	0.00	0.00
8,900.0	90.34	90.00	6,555.7	-300.9	2,174.7	2,183.1	0.00	0.00	0.00
9,000.0	90.34	90.00	6,555.1	-300.9	2,274.7	2,283.0	0.00	0.00	0.00
9,100.0	90.34	90.00	6,554.5	-300.9	2,374.7	2,383.0	0.00	0.00	0.00
9,200.0	90.34	90.00	6,553.9	-300.9	2,474.7	2,482.9	0.00	0.00	0.00
9,300.0	90.34	90.00	6,553.4	-300.9	2,574.7	2,582.9	0.00	0.00	0.00
9,400.0	90.34	90.00	6,552.8	-300.9	2,674.7	2,682.8	0.00	0.00	0.00
9,500.0	90.34	90.00	6,552.2	-300.9	2,774.6	2,782.8	0.00	0.00	0.00
9,600.0	90.34	90.00	6,551.6	-300.9	2,874.6	2,882.7	0.00	0.00	0.00
9,700.0	90.34	90.00	6,551.0	-300.9	2,974.6	2,982.6	0.00	0.00	0.00
9,800.0	90.34	90.00	6,550.4	-300.9	3,074.6	3,082.6	0.00	0.00	0.00
9,900.0	90.34	90.00	6,549.8	-300.9	3,174.6	3,182.5	0.00	0.00	0.00
10,000.0	90.34	90.00	6,549.2	-300.9	3,274.6	3,282.5	0.00	0.00	0.00
10,100.0	90.34	90.00	6,548.6	-300.9	3,374.6	3,382.4	0.00	0.00	0.00
10,200.0	90.34	90.00	6,548.0	-300.9	3,474.6	3,482.4	0.00	0.00	0.00
10,300.0	90.34	90.00	6,547.4	-300.9	3,574.6	3,582.3	0.00	0.00	0.00
10,400.0	90.34	90.00	6,546.8	-300.9	3,674.6	3,682.3	0.00	0.00	0.00
10,500.0	90.34	90.00	6,546.2	-300.9	3,774.6	3,782.2	0.00	0.00	0.00
10,600.0	90.34	90.00	6,545.6	-300.9	3,874.6	3,882.2	0.00	0.00	0.00
10,700.0	90.34	90.00	6,545.0	-300.9	3,974.6	3,982.1	0.00	0.00	0.00
10,800.0	90.34	90.00	6,544.5	-300.9	4,074.6	4,082.1	0.00	0.00	0.00
10,900.0	90.34	90.00	6,543.9	-300.9	4,174.6	4,182.0	0.00	0.00	0.00
11,000.0	90.34	90.00	6,543.3	-300.9	4,274.6	4,282.0	0.00	0.00	0.00
11,100.0	90.34	90.00	6,542.7	-300.9	4,374.6	4,381.9	0.00	0.00	0.00
11,200.0	90.34	90.00	6,542.1	-300.9	4,474.6	4,481.9	0.00	0.00	0.00
11,300.0	90.34	90.00	6,541.5	-300.9	4,574.6	4,581.8	0.00	0.00	0.00
11,400.0	90.34	90.00	6,540.9	-300.9	4,674.6	4,681.8	0.00	0.00	0.00
11,500.0	90.34	90.00	6,540.3	-300.9	4,774.6	4,781.7	0.00	0.00	0.00
11,600.0	90.34	90.00	6,539.7	-300.9	4,874.6	4,881.7	0.00	0.00	0.00
11,700.0	90.34	90.00	6,539.1	-300.9	4,974.6	4,981.6	0.00	0.00	0.00
11,800.0	90.34	90.00	6,538.5	-300.9	5,074.6	5,081.6	0.00	0.00	0.00
11,900.0	90.34	90.00	6,537.9	-300.9	5,174.6	5,181.5	0.00	0.00	0.00
12,000.0	90.34	90.00	6,537.3	-300.9	5,274.6	5,281.5	0.00	0.00	0.00
12,100.0	90.34	90.00	6,536.7	-300.9	5,374.6	5,381.4	0.00	0.00	0.00
12,200.0	90.34	90.00	6,536.1	-300.9	5,474.6	5,481.4	0.00	0.00	0.00
12,300.0	90.34	90.00	6,535.6	-300.9	5,574.6	5,581.3	0.00	0.00	0.00
12,400.0	90.34	90.00	6,535.0	-300.9	5,674.6	5,681.3	0.00	0.00	0.00
12,500.0	90.34	90.00	6,534.4	-300.9	5,774.6	5,781.2	0.00	0.00	0.00
12,600.0	90.34	90.00	6,533.8	-300.9	5,874.6	5,881.2	0.00	0.00	0.00
12,700.0	90.34	90.00	6,533.2	-300.9	5,974.6	5,981.1	0.00	0.00	0.00
12,800.0	90.34	90.00	6,532.6	-300.9	6,074.6	6,081.1	0.00	0.00	0.00
12,900.0	90.34	90.00	6,532.0	-300.9	6,174.6	6,181.0	0.00	0.00	0.00
13,000.0	90.34	90.00	6,531.4	-300.9	6,274.6	6,281.0	0.00	0.00	0.00
13,100.0	90.34	90.00	6,530.8	-300.9	6,374.6	6,380.9	0.00	0.00	0.00
13,200.0	90.34	90.00	6,530.2	-300.9	6,474.6	6,480.8	0.00	0.00	0.00
13,300.0	90.34	90.00	6,529.6	-300.9	6,574.6	6,580.8	0.00	0.00	0.00
13,400.0	90.34	90.00	6,529.0	-300.9	6,674.6	6,680.7	0.00	0.00	0.00

<b>Database:</b>	US_EDM	<b>Local Co-ordinate Reference:</b>	Well Bihain 26G-202
<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>TVD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Project:</b>	SEC.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Site:</b>	Bihain 5N64W26GK Pad Sec.26-T5N-R64W	<b>North Reference:</b>	True
<b>Well:</b>	Bihain 26G-202	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 Extension (3-3-16)		

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	90.34	90.00	6,528.4	-300.9	6,774.6	6,780.7	0.00	0.00	0.00
13,600.0	90.34	90.00	6,527.8	-300.9	6,874.6	6,880.6	0.00	0.00	0.00
13,649.0	90.34	90.00	6,527.5	-300.9	6,923.6	6,929.6	0.00	0.00	0.00
BHL 2608'FSL & 2140'FWL, Sec.25									
13,700.0	90.34	90.00	6,527.2	-300.9	6,974.6	6,980.6	0.00	0.00	0.00
13,800.0	90.34	90.00	6,526.7	-300.9	7,074.6	7,080.5	0.00	0.00	0.00
13,900.0	90.34	90.00	6,526.1	-300.9	7,174.6	7,180.5	0.00	0.00	0.00
14,000.0	90.34	90.00	6,525.5	-300.9	7,274.6	7,280.4	0.00	0.00	0.00
14,100.0	90.34	90.00	6,524.9	-300.9	7,374.6	7,380.4	0.00	0.00	0.00
14,200.0	90.34	90.00	6,524.3	-300.9	7,474.6	7,480.3	0.00	0.00	0.00
14,300.0	90.34	90.00	6,523.7	-300.9	7,574.6	7,580.3	0.00	0.00	0.00
14,400.0	90.34	90.00	6,523.1	-300.9	7,674.6	7,680.2	0.00	0.00	0.00
14,500.0	90.34	90.00	6,522.5	-300.9	7,774.6	7,780.2	0.00	0.00	0.00
14,600.0	90.34	90.00	6,521.9	-300.9	7,874.6	7,880.1	0.00	0.00	0.00
14,700.0	90.34	90.00	6,521.3	-300.9	7,974.6	7,980.1	0.00	0.00	0.00
14,800.0	90.34	90.00	6,520.7	-300.9	8,074.6	8,080.0	0.00	0.00	0.00
14,900.0	90.34	90.00	6,520.1	-300.9	8,174.6	8,180.0	0.00	0.00	0.00
15,000.0	90.34	90.00	6,519.5	-300.9	8,274.6	8,279.9	0.00	0.00	0.00
15,100.0	90.34	90.00	6,518.9	-300.9	8,374.5	8,379.9	0.00	0.00	0.00
15,200.0	90.34	90.00	6,518.3	-300.9	8,474.5	8,479.8	0.00	0.00	0.00
15,300.0	90.34	90.00	6,517.8	-300.9	8,574.5	8,579.8	0.00	0.00	0.00
15,400.0	90.34	90.00	6,517.2	-300.9	8,674.5	8,679.7	0.00	0.00	0.00
15,500.0	90.34	90.00	6,516.6	-300.9	8,774.5	8,779.7	0.00	0.00	0.00
15,600.0	90.34	90.00	6,516.0	-300.9	8,874.5	8,879.6	0.00	0.00	0.00
15,700.0	90.34	90.00	6,515.4	-300.9	8,974.5	8,979.6	0.00	0.00	0.00
15,800.0	90.34	90.00	6,514.8	-300.9	9,074.5	9,079.5	0.00	0.00	0.00
15,900.0	90.34	90.00	6,514.2	-300.9	9,174.5	9,179.5	0.00	0.00	0.00
16,000.0	90.34	90.00	6,513.6	-300.9	9,274.5	9,279.4	0.00	0.00	0.00
16,100.0	90.34	90.00	6,513.0	-300.9	9,374.5	9,379.4	0.00	0.00	0.00
16,200.0	90.34	90.00	6,512.4	-300.9	9,474.5	9,479.3	0.00	0.00	0.00
16,269.0	90.34	90.00	6,512.0	-300.9	9,543.5	9,548.3	0.00	0.00	0.00
TD at 16269.0 - BHL 2588'FSL & 500'FEL, 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 2387'FNL & 496'FM - plan hits target center - Point	0.00	0.00	11.0	0.0	0.0	1,379,515.23	3,271,762.77	40.371068	-104.524624
BHL 2588'FSL & 500'FE - plan hits target center - Point	0.00	0.00	6,512.0	-300.9	9,543.6	1,379,319.33	3,281,308.67	40.370237	-104.490374

<b>Database:</b>	US_EDM	<b>Local Co-ordinate Reference:</b>	Well Bihain 26G-202
<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>TVD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Project:</b>	SEC.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Site:</b>	Bihain 5N64W26GK Pad Sec.26-T5N-R64W	<b>North Reference:</b>	True
<b>Well:</b>	Bihain 26G-202	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 Extension (3-3-16)		

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
7,047.8	6,566.7	7"	7	8-3/4	

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,430.4	3,410.0	Parkman		0.00	
4,144.3	4,115.0	Sussex		0.00	
4,544.3	4,510.0	Shannon		0.00	
6,418.2	6,325.0	Sharon Springs		0.00	
6,624.9	6,455.0	Niobrara A		0.00	
6,805.4	6,530.0	Niobrara B		0.00	

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
1,400.0	1,400.0	0.0	0.0	KOP - Start Build 1.50	
4,886.9	4,848.3	-26.7	-39.6	Start Drop -2.00	
5,843.3	5,802.8	-280.9	-416.3	KOP #2 - Start Build 7.50	
7,047.8	6,566.7	-300.9	-446.0	Start 9221.3 hold at 7047.8 MD	
16,269.0	6,512.0	-300.9	-446.0	TD at 16269.0	





# Directional

## PETROLEUM DEVELOPMENT CORP DJ Basin

SEC.26-T5N-R64W

Bihain 5N64W26GK Pad Sec.26-T5N-R64W

Bihain 26G-202

Wellbore #1

Plan #1 Extension (3-3-16)

## Anticollision Report

09 March, 2016



<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Bihain 26G-202
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Reference Site:</b>	Bihain 5N64W26GK Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bihain 26G-202	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 Extension (3-3-16)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	Plan #1 Extension (3-3-16)		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	Stations	<b>Error Model:</b>	ISCWSA
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Maximum center-center distance of 1,000.0 ft	<b>Error Surface:</b>	Elliptical Conic
<b>Warning Levels Evaluated at:</b>	2.00 Sigma	<b>Casing Method:</b>	Not applied

<b>Survey Tool Program</b>	<b>Date</b>	3/9/2016		
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.0	16,269.0	Plan #1 Extension (3-3-16) (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
<b>Offset Well - Wellbore - Design</b>						
Bihain 5N64W26GK Pad Sec.26-T5N-R64W						
Bihain 26F-232 - Wellbore #1 - Plan #1 Extension (3-3-16)	1,000.0	1,000.0	60.0	55.8	14.055	CC, ES
Bihain 26F-232 - Wellbore #1 - Plan #1 Extension (3-3-16)	16,269.0	16,284.8	991.5	442.8	1.807	SF
Bihain 26F-332 - Wellbore #1 - Plan #1 Extension (3-3-16)	1,200.0	1,200.0	45.0	39.8	8.695	CC, ES
Bihain 26F-332 - Wellbore #1 - Plan #1 Extension (3-3-16)	16,269.0	16,344.5	785.8	240.1	1.440	Level 3, SF
Bihain 26G-212 - Wellbore #1 - Plan #1 Extended (3-3-16)	1,620.5	1,620.3	28.8	21.8	4.116	CC
Bihain 26G-212 - Wellbore #1 - Plan #1 Extended (3-3-16)	16,269.0	16,253.1	471.7	-77.0	0.860	Level 1, ES, SF
Bihain 26G-312 - Wellbore #1 - Plan #1 Extension (3-4-1)	1,583.4	1,583.3	14.4	7.6	2.106	CC
Bihain 26G-312 - Wellbore #1 - Plan #1 Extension (3-4-1)	16,269.0	16,334.1	246.5	-274.7	0.473	Level 1, ES, SF
Existing Wells Pad Sec.26-T5N-R64W						
Bihain 26-2 (Exist.) - Wellbore #1 - Wellbore #1	8,224.4	6,529.7	694.8	513.7	3.837	CC, ES
Bihain 26-2 (Exist.) - Wellbore #1 - Wellbore #1	8,300.0	6,529.3	698.9	515.8	3.817	SF
Bihain 26-3 (Exist.) - Wellbore #1 - Wellbore #1	1,400.0	1,372.0	457.0	426.5	14.995	CC
Bihain 26-3 (Exist.) - Wellbore #1 - Wellbore #1	1,500.0	1,472.0	458.1	425.4	14.022	ES
Bihain 26-3 (Exist.) - Wellbore #1 - Wellbore #1	7,000.0	6,537.5	720.7	569.0	4.753	SF
Monfort Kuner B 26-7 (Exist.) - Wellbore #1 - Wellbore #1	9,552.1	6,517.9	722.2	505.2	3.328	CC, ES
Monfort Kuner B 26-7 (Exist.) - Wellbore #1 - Wellbore #1	9,600.0	6,517.6	723.8	505.4	3.315	SF
Monfort Kuner B 26-8 (Exist.) - Wellbore #1 - Wellbore #1	10,799.2	6,510.8	681.1	546.7	5.069	CC
Monfort Kuner B 26-8 (Exist.) - Wellbore #1 - Wellbore #1	10,800.0	6,510.7	681.1	546.7	5.068	ES
Monfort Kuner B 26-8 (Exist.) - Wellbore #1 - Wellbore #1	10,900.0	6,504.5	688.5	551.3	5.020	SF
Kuner 8-2-25 Pad Sec.25-T5N-R64W						
Kuner 32-25 - Wellbore #1 - Wellbore #1	14,773.3	6,832.9	702.9	435.0	2.623	CC
Kuner 32-25 - Wellbore #1 - Wellbore #1	14,800.0	6,832.1	703.4	434.7	2.618	ES, SF
Kuner 42-25 - Wellbore #1 - Wellbore #1	16,081.0	6,569.0	715.7	430.4	2.509	CC
Kuner 42-25 - Wellbore #1 - Wellbore #1	16,100.0	6,568.8	715.9	430.1	2.505	ES, SF
Kuner 6-4-25 - Wellbore #1 - Wellbore #1	15,472.1	6,782.8	139.4	-137.0	0.504	Level 1, CC, ES, SF
Loloff Farms 5N64W26G Pad Sec.26-T5N-R64W						
Loloff Farms 26G-432 - Wellbore #1 - Extension Plan #1	5,843.3	5,830.0	264.8	238.3	9.980	CC
Loloff Farms 26G-432 - Wellbore #1 - Extension Plan #1	16,269.0	16,426.7	309.4	-167.8	0.648	Level 1, ES, SF

<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Bihain 26G-202
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Reference Site:</b>	Bihain 5N64W26GK Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bihain 26G-202	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 Extension (3-3-16)	<b>Offset TVD Reference:</b>	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	
0.0	0.0	0.0	0.0	0.0	0.0	-50.41	38.3	-46.3	60.0				
100.0	100.0	100.0	100.0	0.1	0.1	-50.41	38.3	-46.3	60.0	59.8	0.22	267.045	
200.0	200.0	200.0	200.0	0.3	0.3	-50.41	38.3	-46.3	60.0	59.3	0.67	89.015	
300.0	300.0	300.0	300.0	0.6	0.6	-50.41	38.3	-46.3	60.0	58.9	1.12	53.409	
400.0	400.0	400.0	400.0	0.8	0.8	-50.41	38.3	-46.3	60.0	58.4	1.57	38.149	
500.0	500.0	500.0	500.0	1.0	1.0	-50.41	38.3	-46.3	60.0	58.0	2.02	29.672	
600.0	600.0	600.0	600.0	1.2	1.2	-50.41	38.3	-46.3	60.0	57.6	2.47	24.277	
700.0	700.0	700.0	700.0	1.5	1.5	-50.41	38.3	-46.3	60.0	57.1	2.92	20.542	
800.0	800.0	800.0	800.0	1.7	1.7	-50.41	38.3	-46.3	60.0	56.7	3.37	17.803	
900.0	900.0	900.0	900.0	1.9	1.9	-50.41	38.3	-46.3	60.0	56.2	3.82	15.709	
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-50.41	38.3	-46.3	60.0	55.8	4.27	14.055 CC, ES	
1,100.0	1,100.0	1,098.5	1,098.5	2.4	2.4	-50.02	39.3	-46.9	61.2	56.5	4.71	12.991	
1,200.0	1,200.0	1,196.9	1,196.8	2.6	2.6	-48.96	42.6	-48.9	64.9	59.8	5.16	12.590	
1,300.0	1,300.0	1,295.0	1,294.7	2.8	2.8	-47.43	48.0	-52.2	71.1	65.5	5.60	12.690	
1,400.0	1,400.0	1,392.8	1,392.1	3.0	3.0	-45.69	55.4	-56.8	79.8	73.7	6.05	13.178	
1,500.0	1,500.0	1,490.0	1,488.6	3.2	3.3	80.69	65.0	-62.7	90.8	84.3	6.47	14.026	
1,600.0	1,599.9	1,586.4	1,584.1	3.4	3.5	84.11	76.6	-69.7	104.1	97.3	6.88	15.131	
1,700.0	1,699.7	1,682.0	1,678.4	3.6	3.8	87.96	90.0	-78.0	120.2	112.9	7.30	16.458	
1,800.0	1,799.3	1,778.2	1,772.9	3.8	4.1	91.93	105.3	-87.4	138.9	131.2	7.74	17.948	
1,900.0	1,898.6	1,875.6	1,868.6	4.1	4.4	95.85	121.1	-97.1	158.8	150.6	8.20	19.370	
2,004.8	2,002.2	1,977.3	1,968.4	4.3	4.8	99.81	137.5	-107.1	180.8	172.1	8.71	20.767	
2,100.0	2,096.3	2,069.5	2,058.9	4.6	5.1	103.26	152.4	-116.3	201.7	192.5	9.19	21.948	
2,200.0	2,195.0	2,166.3	2,154.0	4.9	5.5	106.19	168.1	-125.9	224.3	214.6	9.72	23.081	
2,300.0	2,293.8	2,263.2	2,249.0	5.2	5.9	108.58	183.7	-135.5	247.4	237.2	10.26	24.106	
2,400.0	2,392.5	2,360.0	2,344.1	5.5	6.2	110.56	199.4	-145.1	270.8	260.0	10.82	25.031	
2,500.0	2,491.3	2,456.8	2,439.2	5.8	6.6	112.23	215.1	-154.7	294.5	283.1	11.39	25.865	
2,600.0	2,590.0	2,553.6	2,534.3	6.1	7.0	113.65	230.7	-164.3	318.4	306.4	11.96	26.617	
2,700.0	2,688.8	2,650.5	2,629.3	6.4	7.4	114.87	246.4	-173.9	342.4	329.9	12.54	27.297	
2,800.0	2,787.5	2,747.3	2,724.4	6.8	7.7	115.93	262.0	-183.5	366.6	353.4	13.13	27.913	
2,900.0	2,886.3	2,844.1	2,819.5	7.1	8.1	116.86	277.7	-193.1	390.8	377.1	13.73	28.473	
3,000.0	2,985.0	2,941.0	2,914.5	7.5	8.5	117.69	293.3	-202.7	415.2	400.9	14.33	28.982	
3,100.0	3,083.8	3,037.8	3,009.6	7.8	8.9	118.42	309.0	-212.3	439.6	424.7	14.93	29.447	
3,200.0	3,182.5	3,134.6	3,104.7	8.2	9.3	119.07	324.7	-221.9	464.1	448.6	15.54	29.873	
3,300.0	3,281.3	3,231.4	3,199.7	8.5	9.7	119.66	340.3	-231.5	488.6	472.5	16.15	30.264	
3,400.0	3,380.0	3,328.3	3,294.8	8.9	10.1	120.20	356.0	-241.1	513.2	496.4	16.76	30.625	
3,500.0	3,478.8	3,425.1	3,389.9	9.2	10.5	120.68	371.6	-250.7	537.8	520.5	17.37	30.957	
3,600.0	3,577.5	3,521.9	3,484.9	9.6	10.9	121.12	387.3	-260.3	562.5	544.5	17.99	31.265	
3,700.0	3,676.3	3,618.7	3,580.0	9.9	11.3	121.53	402.9	-269.9	587.2	568.5	18.61	31.550	
3,800.0	3,775.0	3,715.6	3,675.1	10.3	11.7	121.90	418.6	-279.5	611.9	592.6	19.23	31.815	
3,900.0	3,873.8	3,812.4	3,770.1	10.7	12.1	122.24	434.3	-289.1	636.6	616.7	19.85	32.063	
4,000.0	3,972.5	3,909.2	3,865.2	11.0	12.5	122.56	449.9	-298.7	661.3	640.9	20.48	32.293	
4,100.0	4,071.3	4,006.0	3,960.3	11.4	12.9	122.85	465.6	-308.3	686.1	665.0	21.10	32.509	
4,200.0	4,170.0	4,102.9	4,055.4	11.8	13.3	123.13	481.2	-317.9	710.9	689.1	21.73	32.712	
4,300.0	4,268.8	4,199.7	4,150.4	12.1	13.7	123.39	496.9	-327.5	735.7	713.3	22.36	32.901	
4,400.0	4,367.5	4,296.5	4,245.5	12.5	14.1	123.62	512.5	-337.1	760.5	737.5	22.99	33.080	
4,500.0	4,466.3	4,393.4	4,340.6	12.9	14.5	123.85	528.2	-346.7	785.3	761.7	23.62	33.248	
4,600.0	4,565.0	4,490.2	4,435.6	13.2	14.9	124.06	543.9	-356.3	810.1	785.9	24.25	33.407	
4,700.0	4,663.8	4,587.0	4,530.7	13.6	15.3	124.26	559.5	-365.9	835.0	810.1	24.88	33.557	
4,800.0	4,762.5	4,683.8	4,625.8	14.0	15.7	124.44	575.2	-375.5	859.8	834.3	25.51	33.699	
4,886.9	4,848.3	4,768.0	4,708.4	14.3	16.0	124.60	588.8	-383.9	881.4	855.4	26.06	33.816	
4,900.0	4,861.3	4,780.7	4,720.8	14.4	16.1	124.67	590.8	-385.1	884.7	858.5	26.15	33.827	

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

<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Bihain 26G-202
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Reference Site:</b>	Bihain 5N64W26GK Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bihain 26G-202	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 Extension (3-3-16)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design		Bihain 5N64W26GK Pad Sec.26-T5N-R64W - Bihain 26F-232 - Wellbore #1 - Plan #1 Extention (3-3-16)											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	4,960.3	4,877.8	4,816.2	14.6	16.5	125.12	606.5	-394.8	908.3	881.5	26.77	33.933			
5,100.0	5,059.8	4,975.4	4,912.1	14.8	16.9	125.35	622.3	-404.5	930.0	902.6	27.35	34.007			
5,200.0	5,159.6	5,073.3	5,008.2	15.0	17.3	125.37	638.1	-414.2	949.7	921.8	27.89	34.053			
5,300.0	5,259.5	5,190.9	5,123.8	15.2	17.7	125.13	656.5	-425.4	967.0	938.6	28.42	34.029			
5,340.5	5,300.0	5,246.9	5,179.1	15.3	17.9	0.95	663.9	-430.0	972.5	943.0	29.48	32.989			
5,400.0	5,359.5	5,329.8	5,261.3	15.4	18.1	0.60	673.3	-435.7	979.2	949.4	29.80	32.859			
5,500.0	5,459.5	5,470.4	5,401.2	15.5	18.4	0.20	684.6	-442.6	987.2	956.9	30.29	32.596			
5,600.0	5,559.5	5,612.0	5,542.6	15.7	18.7	0.00	690.0	-446.0	991.0	960.3	30.71	32.272			
5,700.0	5,659.5	5,728.9	5,659.5	15.8	18.8	-0.01	690.5	-446.3	991.4	960.3	31.05	31.925			
5,800.0	5,759.5	5,828.9	5,759.5	16.0	19.0	-0.01	690.5	-446.3	991.4	960.0	31.38	31.588			
5,843.3	5,802.8	5,872.1	5,802.8	16.0	19.0	-0.01	690.5	-446.3	991.4	959.8	31.53	31.444			
5,850.0	5,809.5	5,878.9	5,809.5	16.1	19.0	-90.01	690.5	-446.2	991.4	960.8	30.55	32.455			
5,900.0	5,859.5	5,928.9	5,859.5	16.1	19.1	-90.02	690.5	-444.2	991.4	960.7	30.67	32.322			
5,950.0	5,909.2	5,978.9	5,909.2	16.1	19.1	-90.02	690.5	-438.9	991.4	960.6	30.75	32.238			
6,000.0	5,958.4	6,028.9	5,958.5	16.2	19.2	-90.02	690.5	-430.3	991.4	960.6	30.79	32.198			
6,050.0	6,007.0	6,079.0	6,007.1	16.2	19.2	-90.02	690.5	-418.5	991.4	960.6	30.79	32.196			
6,100.0	6,054.7	6,129.0	6,054.9	16.1	19.1	-90.02	690.5	-403.6	991.4	960.6	30.77	32.223			
6,150.0	6,101.4	6,179.0	6,101.5	16.1	19.1	-90.02	690.5	-385.6	991.4	960.6	30.72	32.271			
6,200.0	6,146.7	6,229.0	6,146.9	16.1	19.1	-90.02	690.5	-364.6	991.4	960.7	30.67	32.326			
6,250.0	6,190.6	6,279.1	6,190.8	16.0	19.0	-90.03	690.5	-340.6	991.4	960.7	30.62	32.375			
6,300.0	6,232.8	6,329.1	6,233.1	16.0	19.0	-90.03	690.5	-313.9	991.4	960.8	30.60	32.399			
6,350.0	6,273.2	6,379.1	6,273.5	15.9	18.9	-90.03	690.5	-284.4	991.4	960.7	30.62	32.377			
6,400.0	6,311.5	6,429.2	6,311.9	15.9	18.9	-90.03	690.5	-252.3	991.4	960.6	30.70	32.288			
6,450.0	6,347.7	6,479.2	6,348.1	15.9	18.8	-90.03	690.5	-217.8	991.4	960.5	30.87	32.109			
6,500.0	6,381.6	6,529.2	6,382.0	15.9	18.8	-90.03	690.5	-181.0	991.4	960.2	31.15	31.820			
6,550.0	6,413.0	6,579.3	6,413.4	16.0	18.7	-90.03	690.5	-142.1	991.4	959.8	31.56	31.407			
6,600.0	6,441.7	6,629.3	6,442.1	16.1	18.7	-90.03	690.5	-101.1	991.4	959.2	32.12	30.861			
6,650.0	6,467.7	6,679.3	6,468.2	16.4	18.6	-90.03	690.5	-58.4	991.4	958.5	32.84	30.184			
6,700.0	6,490.9	6,729.4	6,491.4	16.7	18.6	-90.03	690.5	-14.1	991.4	957.6	33.74	29.386			
6,750.0	6,511.1	6,779.4	6,511.6	17.2	18.5	-90.03	690.5	31.7	991.4	956.5	34.80	28.486			
6,800.0	6,528.3	6,829.4	6,528.8	17.7	18.5	-90.03	690.5	78.6	991.3	955.3	36.04	27.510			
6,850.0	6,542.4	6,879.5	6,542.9	18.4	19.1	-90.03	690.5	126.6	991.3	953.9	37.43	26.483			
6,900.0	6,553.3	6,929.5	6,553.8	19.2	19.9	-90.03	690.4	175.4	991.3	952.4	38.98	25.434			
6,950.0	6,561.0	6,979.5	6,561.5	20.0	20.7	-90.03	690.4	224.9	991.3	950.7	40.65	24.387			
7,000.0	6,565.5	7,029.6	6,566.0	20.9	21.7	-90.03	690.4	274.7	991.3	948.9	42.43	23.362			
7,047.8	6,566.7	7,077.4	6,567.2	21.8	22.6	-90.03	690.4	322.5	991.3	947.1	44.22	22.420			
7,100.0	6,566.4	7,129.6	6,566.9	22.8	23.6	-90.03	690.4	374.7	991.3	945.1	46.28	21.422			
7,200.0	6,565.8	7,229.6	6,566.5	24.9	25.8	-90.04	690.4	474.7	991.3	940.9	50.43	19.658			
7,300.0	6,565.2	7,329.6	6,566.1	27.1	28.0	-90.05	690.4	574.7	991.3	936.5	54.85	18.075			
7,400.0	6,564.6	7,429.6	6,565.6	29.4	30.3	-90.06	690.4	674.7	991.3	931.9	59.46	16.671			
7,500.0	6,564.0	7,529.6	6,565.2	31.8	32.7	-90.07	690.4	774.7	991.3	927.1	64.24	15.431			
7,600.0	6,563.4	7,629.6	6,564.8	34.3	35.1	-90.08	690.4	874.7	991.3	922.2	69.15	14.336			
7,700.0	6,562.8	7,729.6	6,564.3	36.8	37.6	-90.09	690.4	974.7	991.3	917.2	74.16	13.368			
7,800.0	6,562.3	7,829.6	6,563.9	39.4	40.2	-90.09	690.4	1,074.7	991.3	912.1	79.25	12.509			
7,900.0	6,561.7	7,929.6	6,563.5	42.0	42.7	-90.10	690.4	1,174.7	991.3	906.9	84.41	11.745			
8,000.0	6,561.1	8,029.6	6,563.0	44.6	45.3	-90.11	690.4	1,274.7	991.3	901.7	89.62	11.062			
8,100.0	6,560.5	8,129.6	6,562.6	47.2	48.0	-90.12	690.4	1,374.7	991.3	896.5	94.88	10.449			
8,200.0	6,559.9	8,229.6	6,562.1	49.9	50.6	-90.13	690.4	1,474.7	991.3	891.2	100.18	9.896			
8,300.0	6,559.3	8,329.6	6,561.7	52.5	53.2	-90.14	690.4	1,574.7	991.3	885.8	105.51	9.396			
8,400.0	6,558.7	8,429.6	6,561.3	55.2	55.9	-90.15	690.4	1,674.7	991.3	880.5	110.87	8.942			
8,500.0	6,558.1	8,529.6	6,560.8	57.9	58.6	-90.16	690.4	1,774.7	991.3	875.1	116.25	8.527			

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

<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Bihain 26G-202
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Reference Site:</b>	Bihain 5N64W26GK Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bihain 26G-202	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 Extension (3-3-16)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Bihain 5N64W26GK Pad Sec.26-T5N-R64W - Bihain 26F-232 - Wellbore #1 - Plan #1 Extention (3-3-16)												Offset Well Error:	0.0 ft
Survey Program: 0-MWD													
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
8,600.0	6,557.5	8,629.6	6,560.4	60.6	61.3	-90.17	690.4	1,874.7	991.3	869.7	121.66	8.149	
8,700.0	6,556.9	8,729.6	6,560.0	63.3	64.0	-90.18	690.4	1,974.7	991.3	864.3	127.08	7.801	
8,800.0	6,556.3	8,829.6	6,559.5	66.0	66.7	-90.19	690.4	2,074.7	991.3	858.8	132.52	7.480	
8,900.0	6,555.7	8,929.6	6,559.1	68.8	69.4	-90.19	690.4	2,174.7	991.3	853.4	137.98	7.185	
9,000.0	6,555.1	9,029.6	6,558.7	71.5	72.2	-90.20	690.4	2,274.7	991.3	847.9	143.45	6.911	
9,100.0	6,554.5	9,129.6	6,558.2	74.2	74.9	-90.21	690.4	2,374.7	991.3	842.4	148.93	6.657	
9,200.0	6,553.9	9,229.6	6,557.8	77.0	77.6	-90.22	690.4	2,474.7	991.3	836.9	154.42	6.420	
9,300.0	6,553.4	9,329.6	6,557.3	79.7	80.4	-90.23	690.4	2,574.7	991.3	831.4	159.91	6.199	
9,400.0	6,552.8	9,429.6	6,556.9	82.5	83.1	-90.24	690.4	2,674.7	991.3	825.9	165.42	5.993	
9,500.0	6,552.2	9,529.6	6,556.5	85.3	85.9	-90.25	690.4	2,774.7	991.3	820.4	170.93	5.800	
9,586.1	6,551.7	9,615.7	6,556.1	87.6	88.3	-90.26	690.4	2,860.8	991.3	815.6	175.69	5.643	
9,600.0	6,551.6	9,629.6	6,556.0	88.0	88.6	-90.26	690.4	2,874.7	991.3	814.9	176.46	5.618	
9,700.0	6,551.0	9,729.6	6,555.6	90.8	91.4	-90.27	690.4	2,974.7	991.3	809.4	181.98	5.447	
9,800.0	6,550.4	9,829.6	6,555.2	93.6	94.2	-90.28	690.4	3,074.7	991.3	803.8	187.51	5.287	
9,900.0	6,549.8	9,929.6	6,554.7	96.3	96.9	-90.29	690.4	3,174.7	991.3	798.3	193.05	5.135	
10,000.0	6,549.2	10,029.6	6,554.3	99.1	99.7	-90.29	690.4	3,274.7	991.3	792.7	198.59	4.992	
10,100.0	6,548.6	10,129.6	6,553.9	101.9	102.5	-90.30	690.4	3,374.7	991.3	787.2	204.14	4.856	
10,200.0	6,548.0	10,229.6	6,553.4	104.6	105.2	-90.31	690.4	3,474.7	991.3	781.7	209.69	4.728	
10,300.0	6,547.4	10,329.6	6,553.0	107.4	108.0	-90.32	690.4	3,574.7	991.3	776.1	215.24	4.606	
10,400.0	6,546.8	10,429.6	6,552.5	110.2	110.8	-90.33	690.4	3,674.7	991.3	770.5	220.80	4.490	
10,500.0	6,546.2	10,529.6	6,552.1	113.0	113.5	-90.34	690.4	3,774.7	991.3	765.0	226.36	4.380	
10,600.0	6,545.6	10,629.6	6,551.7	115.8	116.3	-90.35	690.4	3,874.7	991.3	759.4	231.92	4.274	
10,700.0	6,545.0	10,729.6	6,551.2	118.5	119.1	-90.36	690.4	3,974.7	991.3	753.9	237.49	4.174	
10,800.0	6,544.5	10,829.6	6,550.8	121.3	121.9	-90.37	690.4	4,074.7	991.3	748.3	243.05	4.079	
10,900.0	6,543.9	10,929.6	6,550.4	124.1	124.7	-90.38	690.4	4,174.7	991.3	742.7	248.62	3.987	
11,000.0	6,543.3	11,029.6	6,549.9	126.9	127.5	-90.39	690.4	4,274.7	991.3	737.1	254.20	3.900	
11,100.0	6,542.7	11,129.6	6,549.5	129.7	130.2	-90.39	690.4	4,374.7	991.3	731.6	259.77	3.816	
11,200.0	6,542.1	11,229.6	6,549.1	132.5	133.0	-90.40	690.4	4,474.7	991.3	726.0	265.35	3.736	
11,300.0	6,541.5	11,329.6	6,548.6	135.3	135.8	-90.41	690.4	4,574.7	991.3	720.4	270.93	3.659	
11,400.0	6,540.9	11,429.6	6,548.2	138.1	138.6	-90.42	690.4	4,674.7	991.3	714.8	276.51	3.585	
11,500.0	6,540.3	11,529.6	6,547.7	140.8	141.4	-90.43	690.4	4,774.7	991.3	709.3	282.09	3.514	
11,600.0	6,539.7	11,629.6	6,547.3	143.6	144.2	-90.44	690.4	4,874.7	991.3	703.7	287.67	3.446	
11,700.0	6,539.1	11,729.6	6,546.9	146.4	147.0	-90.45	690.4	4,974.6	991.3	698.1	293.25	3.381	
11,800.0	6,538.5	11,829.6	6,546.4	149.2	149.8	-90.46	690.4	5,074.6	991.3	692.5	298.84	3.317	
11,900.0	6,537.9	11,929.6	6,546.0	152.0	152.5	-90.47	690.4	5,174.6	991.3	686.9	304.43	3.256	
12,000.0	6,537.3	12,029.6	6,545.6	154.8	155.3	-90.48	690.4	5,274.6	991.3	681.3	310.01	3.198	
12,100.0	6,536.7	12,129.6	6,545.1	157.6	158.1	-90.48	690.4	5,374.6	991.3	675.7	315.60	3.141	
12,200.0	6,536.1	12,229.6	6,544.7	160.4	160.9	-90.49	690.4	5,474.6	991.3	670.2	321.19	3.086	
12,300.0	6,535.6	12,329.6	6,544.3	163.2	163.7	-90.50	690.4	5,574.6	991.3	664.6	326.78	3.034	
12,400.0	6,535.0	12,429.6	6,543.8	166.0	166.5	-90.51	690.4	5,674.6	991.3	659.0	332.37	2.983	
12,500.0	6,534.4	12,529.6	6,543.4	168.8	169.3	-90.52	690.4	5,774.6	991.4	653.4	337.97	2.933	
12,600.0	6,533.8	12,629.6	6,542.9	171.6	172.1	-90.53	690.4	5,874.6	991.4	647.8	343.56	2.886	
12,700.0	6,533.2	12,729.6	6,542.5	174.4	174.9	-90.54	690.4	5,974.6	991.4	642.2	349.15	2.839	
12,800.0	6,532.6	12,829.6	6,542.1	177.2	177.7	-90.55	690.4	6,074.6	991.4	636.6	354.75	2.795	
12,900.0	6,532.0	12,929.6	6,541.6	180.0	180.5	-90.56	690.4	6,174.6	991.4	631.0	360.34	2.751	
13,000.0	6,531.4	13,029.6	6,541.2	182.8	183.3	-90.57	690.4	6,274.6	991.4	625.4	365.94	2.709	
13,100.0	6,530.8	13,129.6	6,540.8	185.6	186.1	-90.58	690.4	6,374.6	991.4	619.8	371.54	2.668	
13,200.0	6,530.2	13,229.6	6,540.3	188.4	188.9	-90.58	690.4	6,474.6	991.4	614.2	377.14	2.629	
13,300.0	6,529.6	13,329.6	6,539.9	191.2	191.7	-90.59	690.4	6,574.6	991.4	608.6	382.73	2.590	
13,400.0	6,529.0	13,429.6	6,539.5	194.0	194.5	-90.60	690.4	6,674.6	991.4	603.0	388.33	2.553	
13,500.0	6,528.4	13,529.6	6,539.0	196.8	197.3	-90.61	690.4	6,774.6	991.4	597.4	393.93	2.517	

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

<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Bihain 26G-202
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Reference Site:</b>	Bihain 5N64W26GK Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bihain 26G-202	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 Extension (3-3-16)	<b>Offset TVD Reference:</b>	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		
13,600.0	6,527.8	13,629.6	6,538.6	199.6	200.1	-90.62	690.4	6,874.6	991.4	591.8	399.53	2.481		
13,700.0	6,527.2	13,729.6	6,538.1	202.4	202.9	-90.63	690.4	6,974.6	991.4	586.2	405.13	2.447		
13,800.0	6,526.7	13,829.6	6,537.7	205.2	205.7	-90.64	690.4	7,074.6	991.4	580.6	410.73	2.414		
13,900.0	6,526.1	13,929.6	6,537.3	208.0	208.5	-90.65	690.4	7,174.6	991.4	575.0	416.33	2.381		
14,000.0	6,525.5	14,029.6	6,536.8	210.8	211.3	-90.66	690.4	7,274.6	991.4	569.4	421.94	2.350		
14,100.0	6,524.9	14,129.6	6,536.4	213.6	214.1	-90.67	690.4	7,374.6	991.4	563.8	427.54	2.319		
14,200.0	6,524.3	14,229.6	6,536.0	216.4	216.9	-90.68	690.4	7,474.6	991.4	558.2	433.14	2.289		
14,300.0	6,523.7	14,329.6	6,535.5	219.2	219.7	-90.68	690.4	7,574.6	991.4	552.6	438.74	2.260		
14,400.0	6,523.1	14,429.6	6,535.1	222.0	222.5	-90.69	690.4	7,674.6	991.4	547.0	444.35	2.231		
14,500.0	6,522.5	14,529.6	6,534.7	224.8	225.3	-90.70	690.4	7,774.6	991.4	541.4	449.95	2.203		
14,600.0	6,521.9	14,629.6	6,534.2	227.6	228.1	-90.71	690.4	7,874.6	991.4	535.8	455.56	2.176		
14,700.0	6,521.3	14,729.6	6,533.8	230.4	230.9	-90.72	690.4	7,974.6	991.4	530.2	461.16	2.150		
14,800.0	6,520.7	14,829.6	6,533.3	233.2	233.7	-90.73	690.4	8,074.6	991.4	524.6	466.76	2.124		
14,900.0	6,520.1	14,929.6	6,532.9	236.0	236.5	-90.74	690.4	8,174.6	991.4	519.0	472.37	2.099		
15,000.0	6,519.5	15,029.6	6,532.5	238.8	239.3	-90.75	690.4	8,274.6	991.4	513.4	477.97	2.074		
15,100.0	6,518.9	15,129.6	6,532.0	241.6	242.1	-90.76	690.4	8,374.6	991.4	507.8	483.58	2.050		
15,200.0	6,518.3	15,229.6	6,531.6	244.4	244.9	-90.77	690.4	8,474.6	991.4	502.2	489.18	2.027		
15,300.0	6,517.8	15,329.6	6,531.2	247.2	247.7	-90.78	690.4	8,574.6	991.4	496.6	494.79	2.004		
15,400.0	6,517.2	15,429.6	6,530.7	250.0	250.5	-90.78	690.4	8,674.6	991.4	491.0	500.40	1.981		
15,500.0	6,516.6	15,529.6	6,530.3	252.8	253.3	-90.79	690.4	8,774.6	991.4	485.4	506.00	1.959		
15,600.0	6,516.0	15,629.6	6,529.9	255.6	256.1	-90.80	690.4	8,874.6	991.4	479.8	511.61	1.938		
15,700.0	6,515.4	15,729.6	6,529.4	258.4	258.9	-90.81	690.4	8,974.6	991.4	474.2	517.22	1.917		
15,800.0	6,514.8	15,829.6	6,529.0	261.2	261.7	-90.82	690.4	9,074.6	991.4	468.6	522.82	1.896		
15,900.0	6,514.2	15,929.6	6,528.5	264.1	264.5	-90.83	690.4	9,174.6	991.4	463.0	528.43	1.876		
16,000.0	6,513.6	16,029.6	6,528.1	266.9	267.3	-90.84	690.4	9,274.6	991.4	457.4	534.04	1.856		
16,100.0	6,513.0	16,129.6	6,527.7	269.7	270.1	-90.85	690.4	9,374.6	991.4	451.7	539.65	1.837		
16,200.0	6,512.4	16,229.6	6,527.2	272.5	272.9	-90.86	690.4	9,474.6	991.4	446.1	545.25	1.818		
16,234.7	6,512.2	16,264.2	6,527.1	273.4	273.9	-90.86	690.4	9,509.3	991.4	444.2	547.20	1.812		
16,269.0	6,512.0	16,284.8	6,527.0	274.4	274.5	-90.86	690.4	9,529.8	991.5	442.8	548.74	1.807 SF		

<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Bihain 26G-202
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Reference Site:</b>	Bihain 5N64W26GK Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bihain 26G-202	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 Extension (3-3-16)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Bihain 5N64W26GK Pad Sec.26-T5N-R64W - Bihain 26F-332 - Wellbore #1 - Plan #1 Extension (3-3-16)												Offset Well Error:	0.0 ft
Survey Program: 0-MWD													
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	-50.79	28.4	-34.8	45.0				
100.0	100.0	100.0	100.0	0.1	0.1	-50.79	28.4	-34.8	45.0	44.7	0.22	199.991	
200.0	200.0	200.0	200.0	0.3	0.3	-50.79	28.4	-34.8	45.0	44.3	0.67	66.664	
300.0	300.0	300.0	300.0	0.6	0.6	-50.79	28.4	-34.8	45.0	43.8	1.12	39.998	
400.0	400.0	400.0	400.0	0.8	0.8	-50.79	28.4	-34.8	45.0	43.4	1.57	28.570	
500.0	500.0	500.0	500.0	1.0	1.0	-50.79	28.4	-34.8	45.0	42.9	2.02	22.221	
600.0	600.0	600.0	600.0	1.2	1.2	-50.79	28.4	-34.8	45.0	42.5	2.47	18.181	
700.0	700.0	700.0	700.0	1.5	1.5	-50.79	28.4	-34.8	45.0	42.0	2.92	15.384	
800.0	800.0	800.0	800.0	1.7	1.7	-50.79	28.4	-34.8	45.0	41.6	3.37	13.333	
900.0	900.0	900.0	900.0	1.9	1.9	-50.79	28.4	-34.8	45.0	41.1	3.82	11.764	
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-50.79	28.4	-34.8	45.0	40.7	4.27	10.526	
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	-50.79	28.4	-34.8	45.0	40.2	4.72	9.523	
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	-50.79	28.4	-34.8	45.0	39.8	5.17	8.695 CC, ES	
1,300.0	1,300.0	1,298.8	1,298.8	2.8	2.8	-50.56	29.4	-35.7	46.2	40.6	5.61	8.237	
1,400.0	1,400.0	1,397.5	1,397.4	3.0	3.0	-49.93	32.2	-38.3	50.1	44.0	6.05	8.272	
1,500.0	1,500.0	1,496.0	1,495.7	3.2	3.2	76.12	36.9	-42.5	56.2	49.7	6.47	8.673	
1,600.0	1,599.9	1,594.0	1,593.3	3.4	3.5	80.11	43.4	-48.5	64.4	57.5	6.88	9.356	
1,700.0	1,699.7	1,691.4	1,690.1	3.6	3.7	85.00	51.8	-56.1	75.1	67.8	7.30	10.295	
1,800.0	1,799.3	1,788.1	1,785.8	3.8	4.0	90.01	61.8	-65.2	88.8	81.1	7.73	11.486	
1,900.0	1,898.6	1,885.8	1,882.3	4.1	4.2	94.83	73.4	-75.7	105.0	96.8	8.19	12.822	
2,004.8	2,002.2	1,988.5	1,983.6	4.3	4.5	99.71	85.5	-86.8	123.2	114.5	8.70	14.161	
2,100.0	2,096.3	2,081.7	2,075.6	4.6	4.8	103.73	96.6	-96.8	140.6	131.5	9.19	15.307	
2,200.0	2,195.0	2,179.5	2,172.1	4.9	5.1	107.01	108.2	-107.4	159.5	149.8	9.72	16.416	
2,300.0	2,293.8	2,277.3	2,268.7	5.2	5.5	109.58	119.8	-117.9	178.8	168.6	10.26	17.424	
2,400.0	2,392.5	2,375.2	2,365.3	5.5	5.8	111.66	131.4	-128.5	198.4	187.6	10.82	18.336	
2,500.0	2,491.3	2,473.0	2,461.9	5.8	6.1	113.36	143.0	-139.1	218.2	206.8	11.39	19.159	
2,600.0	2,590.0	2,570.9	2,558.4	6.1	6.4	114.78	154.6	-149.6	238.1	226.1	11.96	19.903	
2,700.0	2,688.8	2,668.7	2,655.0	6.4	6.8	115.98	166.2	-160.2	258.2	245.6	12.55	20.576	
2,800.0	2,787.5	2,766.5	2,751.6	6.8	7.1	117.00	177.8	-170.7	278.3	265.2	13.14	21.186	
2,900.0	2,886.3	2,864.4	2,848.1	7.1	7.5	117.89	189.4	-181.3	298.5	284.8	13.73	21.741	
3,000.0	2,985.0	2,962.2	2,944.7	7.5	7.8	118.67	201.0	-191.8	318.8	304.5	14.33	22.246	
3,100.0	3,083.8	3,060.0	3,041.3	7.8	8.2	119.35	212.6	-202.4	339.1	324.2	14.93	22.707	
3,200.0	3,182.5	3,157.9	3,137.9	8.2	8.5	119.95	224.2	-212.9	359.5	344.0	15.54	23.130	
3,300.0	3,281.3	3,255.7	3,234.4	8.5	8.9	120.49	235.8	-223.5	379.9	363.8	16.15	23.519	
3,400.0	3,380.0	3,353.5	3,331.0	8.9	9.2	120.98	247.4	-234.0	400.3	383.6	16.77	23.877	
3,500.0	3,478.8	3,451.4	3,427.6	9.2	9.6	121.42	259.0	-244.6	420.8	403.4	17.38	24.207	
3,600.0	3,577.5	3,549.2	3,524.1	9.6	9.9	121.82	270.6	-255.2	441.3	423.3	18.00	24.513	
3,700.0	3,676.3	3,647.1	3,620.7	9.9	10.3	122.18	282.2	-265.7	461.8	443.2	18.62	24.797	
3,800.0	3,775.0	3,744.9	3,717.3	10.3	10.6	122.51	293.8	-276.3	482.3	463.0	19.24	25.061	
3,900.0	3,873.8	3,842.7	3,813.9	10.7	11.0	122.81	305.4	-286.8	502.8	483.0	19.87	25.307	
4,000.0	3,972.5	3,940.6	3,910.4	11.0	11.3	123.10	317.0	-297.4	523.4	502.9	20.49	25.536	
4,100.0	4,071.3	4,038.4	4,007.0	11.4	11.7	123.35	328.6	-307.9	543.9	522.8	21.12	25.751	
4,200.0	4,170.0	4,136.2	4,103.6	11.8	12.1	123.60	340.2	-318.5	564.5	542.7	21.75	25.953	
4,300.0	4,268.8	4,234.1	4,200.1	12.1	12.4	123.82	351.8	-329.0	585.1	562.7	22.38	26.142	
4,400.0	4,367.5	4,331.9	4,296.7	12.5	12.8	124.03	363.4	-339.6	605.6	582.6	23.01	26.320	
4,500.0	4,466.3	4,429.7	4,393.3	12.9	13.1	124.22	375.0	-350.1	626.2	602.6	23.64	26.488	
4,600.0	4,565.0	4,527.6	4,489.9	13.2	13.5	124.40	386.6	-360.7	646.8	622.5	24.27	26.646	
4,700.0	4,663.8	4,625.4	4,586.4	13.6	13.9	124.58	398.2	-371.2	667.4	642.5	24.91	26.795	
4,800.0	4,762.5	4,723.3	4,683.0	14.0	14.2	124.74	409.8	-381.8	688.0	662.5	25.54	26.937	
4,886.9	4,848.3	4,808.3	4,766.9	14.3	14.5	124.87	419.9	-391.0	705.9	679.8	26.09	27.054	
4,900.0	4,861.3	4,821.1	4,779.6	14.4	14.6	124.93	421.4	-392.4	708.6	682.4	26.18	27.068	

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



<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Bihain 26G-202
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Reference Site:</b>	Bihain 5N64W26GK Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bihain 26G-202	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 Extension (3-3-16)	<b>Offset TVD Reference:</b>	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		Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
				(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)							
5,000.0	4,960.3	4,919.2	4,876.4	14.6	14.9	125.25	433.0	-402.9	728.0	701.2	26.78	27.186			
5,100.0	5,059.8	5,017.6	4,973.6	14.8	15.3	125.32	444.7	-413.6	745.4	718.0	27.35	27.257			
5,200.0	5,159.6	5,123.6	5,078.2	15.0	15.7	125.11	457.1	-424.8	760.7	732.8	27.87	27.289			
5,300.0	5,259.5	5,246.8	5,200.5	15.2	16.0	124.73	468.6	-435.3	771.7	743.3	28.32	27.244			
5,340.5	5,300.0	5,297.1	5,250.4	15.3	16.1	0.56	472.1	-438.5	774.7	747.3	27.35	28.325			
5,400.0	5,359.5	5,371.2	5,324.4	15.4	16.2	0.28	476.2	-442.2	777.9	750.3	27.60	28.184			
5,500.0	5,459.5	5,496.3	5,449.3	15.5	16.5	0.03	479.9	-445.5	780.8	752.8	28.00	27.891			
5,600.0	5,559.5	5,606.5	5,559.5	15.7	16.6	0.01	480.2	-445.8	781.1	752.7	28.35	27.556			
5,700.0	5,659.5	5,706.5	5,659.5	15.8	16.8	0.01	480.2	-445.8	781.1	752.4	28.70	27.217			
5,800.0	5,759.5	5,806.5	5,759.5	16.0	16.9	0.01	480.2	-445.8	781.1	752.0	29.06	26.883			
5,843.3	5,802.8	5,849.7	5,802.8	16.0	17.0	0.01	480.2	-445.8	781.1	751.9	29.21	26.741			
5,850.0	5,809.5	5,856.5	5,809.5	16.1	17.0	-89.99	480.2	-445.8	781.1	750.8	30.31	25.770			
5,859.9	5,819.4	5,866.3	5,819.4	16.1	17.0	-90.00	480.2	-445.8	781.1	750.8	30.34	25.744			
5,900.0	5,859.5	5,906.4	5,859.5	16.1	17.1	-90.14	480.2	-445.8	781.1	750.6	30.46	25.642			
5,950.0	5,909.2	5,956.4	5,909.4	16.1	17.2	-90.50	480.2	-445.4	781.1	750.5	30.58	25.547			
6,000.0	5,958.4	6,006.7	5,959.7	16.2	17.2	-90.88	480.2	-442.0	781.2	750.5	30.64	25.496			
6,050.0	6,007.0	6,057.4	6,009.9	16.2	17.3	-91.26	480.2	-435.2	781.3	750.6	30.66	25.480			
6,100.0	6,054.7	6,108.5	6,059.9	16.1	17.3	-91.63	480.2	-425.0	781.4	750.8	30.65	25.493			
6,150.0	6,101.4	6,159.9	6,109.5	16.1	17.3	-92.00	480.2	-411.4	781.6	751.0	30.61	25.530			
6,200.0	6,146.7	6,211.7	6,158.4	16.1	17.2	-92.36	480.2	-394.4	781.8	751.2	30.56	25.583			
6,250.0	6,190.6	6,263.8	6,206.4	16.0	17.2	-92.72	480.2	-374.0	782.0	751.5	30.50	25.640			
6,300.0	6,232.8	6,316.3	6,253.1	16.0	17.2	-93.06	480.2	-350.1	782.2	751.8	30.45	25.688			
6,350.0	6,273.2	6,369.2	6,298.4	15.9	17.1	-93.39	480.2	-322.9	782.5	752.0	30.43	25.711			
6,400.0	6,311.5	6,422.4	6,342.0	15.9	17.1	-93.70	480.2	-292.5	782.7	752.3	30.47	25.691			
6,450.0	6,347.7	6,475.9	6,383.6	15.9	17.0	-94.00	480.2	-258.8	783.0	752.4	30.58	25.607			
6,500.0	6,381.6	6,529.8	6,423.0	15.9	17.0	-94.28	480.2	-222.1	783.3	752.5	30.79	25.441			
6,550.0	6,413.0	6,583.9	6,459.9	16.0	16.9	-94.54	480.2	-182.5	783.6	752.4	31.13	25.175			
6,600.0	6,441.7	6,638.4	6,494.1	16.1	16.9	-94.79	480.2	-140.2	783.8	752.2	31.61	24.796			
6,650.0	6,467.7	6,693.1	6,525.4	16.4	17.0	-95.01	480.2	-95.2	784.1	751.8	32.27	24.301			
6,700.0	6,490.9	6,748.0	6,553.4	16.7	17.1	-95.20	480.2	-48.0	784.3	751.2	33.10	23.693			
6,750.0	6,511.1	6,803.2	6,578.1	17.2	17.4	-95.37	480.2	1.3	784.6	750.4	34.14	22.982			
6,800.0	6,528.3	6,858.6	6,599.2	17.7	17.9	-95.52	480.2	52.5	784.7	749.4	35.37	22.189			
6,850.0	6,542.4	6,914.1	6,616.6	18.4	18.6	-95.64	480.2	105.2	784.9	748.1	36.78	21.340			
6,900.0	6,553.3	6,969.8	6,630.1	19.2	19.5	-95.74	480.2	159.2	785.0	746.7	38.36	20.464			
6,950.0	6,561.0	7,025.5	6,639.7	20.0	20.4	-95.81	480.2	214.1	785.1	745.0	40.09	19.582			
7,000.0	6,565.5	7,081.3	6,645.3	20.9	21.4	-95.84	480.2	269.6	785.2	743.2	41.95	18.715			
7,047.8	6,566.7	7,134.6	6,646.8	21.8	22.4	-95.86	480.2	322.9	785.2	741.4	43.82	17.917			
7,100.0	6,566.4	7,186.9	6,646.5	22.8	23.4	-95.86	480.2	375.1	785.2	739.3	45.86	17.121			
7,200.0	6,565.8	7,286.9	6,646.0	24.9	25.5	-95.86	480.2	475.1	785.2	735.2	50.00	15.703			
7,300.0	6,565.2	7,386.9	6,645.5	27.1	27.7	-95.87	480.2	575.1	785.2	730.8	54.40	14.434			
7,400.0	6,564.6	7,486.9	6,644.9	29.4	30.0	-95.87	480.2	675.1	785.2	726.2	59.00	13.309			
7,500.0	6,564.0	7,586.9	6,644.4	31.8	32.4	-95.87	480.2	775.1	785.2	721.5	63.76	12.316			
7,600.0	6,563.4	7,686.9	6,643.8	34.3	34.9	-95.88	480.2	875.1	785.2	716.6	68.64	11.439			
7,700.0	6,562.8	7,786.9	6,643.3	36.8	37.4	-95.88	480.2	975.1	785.2	711.6	73.63	10.665			
7,800.0	6,562.3	7,886.9	6,642.8	39.4	39.9	-95.88	480.2	1,075.1	785.2	706.5	78.69	9.978			
7,900.0	6,561.7	7,986.9	6,642.2	42.0	42.5	-95.89	480.2	1,175.1	785.2	701.4	83.83	9.367			
8,000.0	6,561.1	8,086.9	6,641.7	44.6	45.1	-95.89	480.2	1,275.1	785.2	696.2	89.01	8.822			
8,100.0	6,560.5	8,186.9	6,641.1	47.2	47.7	-95.90	480.2	1,375.1	785.2	691.0	94.25	8.332			
8,200.0	6,559.9	8,286.9	6,640.6	49.9	50.4	-95.90	480.2	1,475.1	785.3	685.7	99.52	7.890			
8,300.0	6,559.3	8,386.9	6,640.1	52.5	53.0	-95.90	480.2	1,575.1	785.3	680.4	104.83	7.491			
8,400.0	6,558.7	8,486.9	6,639.5	55.2	55.7	-95.91	480.2	1,675.1	785.3	675.1	110.16	7.128			

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



<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Bihain 26G-202
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Reference Site:</b>	Bihain 5N64W26GK Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bihain 26G-202	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 Extension (3-3-16)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Bihain 5N64W26GK Pad Sec.26-T5N-R64W - Bihain 26F-332 - Wellbore #1 - Plan #1 Extension (3-3-16)												Offset Well Error:	0.0 ft
Survey Program: 0-MWD													
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
8,500.0	6,558.1	8,586.9	6,639.0	57.9	58.4	-95.91	480.2	1,775.1	785.3	669.7	115.52	6.798	
8,600.0	6,557.5	8,686.9	6,638.4	60.6	61.1	-95.91	480.2	1,875.1	785.3	664.4	120.90	6.495	
8,700.0	6,556.9	8,786.9	6,637.9	63.3	63.8	-95.92	480.2	1,975.1	785.3	659.0	126.30	6.218	
8,800.0	6,556.3	8,886.9	6,637.3	66.0	66.5	-95.92	480.2	2,075.1	785.3	653.6	131.71	5.962	
8,900.0	6,555.7	8,986.9	6,636.8	68.8	69.2	-95.93	480.2	2,175.1	785.3	648.2	137.14	5.726	
9,000.0	6,555.1	9,086.9	6,636.3	71.5	72.0	-95.93	480.2	2,275.1	785.3	642.7	142.58	5.508	
9,100.0	6,554.5	9,186.9	6,635.7	74.2	74.7	-95.93	480.2	2,375.1	785.3	637.3	148.03	5.305	
9,200.0	6,553.9	9,286.9	6,635.2	77.0	77.4	-95.94	480.2	2,475.1	785.3	631.8	153.49	5.116	
9,300.0	6,553.4	9,386.9	6,634.6	79.7	80.2	-95.94	480.2	2,575.1	785.3	626.4	158.96	4.940	
9,400.0	6,552.8	9,486.9	6,634.1	82.5	82.9	-95.95	480.2	2,675.1	785.3	620.9	164.44	4.776	
9,500.0	6,552.2	9,586.9	6,633.6	85.3	85.7	-95.95	480.2	2,775.1	785.3	615.4	169.92	4.622	
9,600.0	6,551.6	9,686.9	6,633.0	88.0	88.5	-95.95	480.2	2,875.1	785.3	609.9	175.41	4.477	
9,700.0	6,551.0	9,786.9	6,632.5	90.8	91.2	-95.96	480.2	2,975.1	785.3	604.4	180.91	4.341	
9,800.0	6,550.4	9,886.9	6,631.9	93.6	94.0	-95.96	480.2	3,075.1	785.3	598.9	186.41	4.213	
9,900.0	6,549.8	9,986.9	6,631.4	96.3	96.7	-95.96	480.2	3,175.1	785.3	593.4	191.92	4.092	
10,000.0	6,549.2	10,086.9	6,630.9	99.1	99.5	-95.97	480.2	3,275.1	785.3	587.9	197.43	3.978	
10,100.0	6,548.6	10,186.9	6,630.3	101.9	102.3	-95.97	480.2	3,375.1	785.4	582.4	202.95	3.870	
10,200.0	6,548.0	10,286.9	6,629.8	104.6	105.1	-95.98	480.2	3,475.1	785.4	576.9	208.47	3.767	
10,300.0	6,547.4	10,386.9	6,629.2	107.4	107.8	-95.98	480.2	3,575.1	785.4	571.4	213.99	3.670	
10,400.0	6,546.8	10,486.9	6,628.7	110.2	110.6	-95.98	480.2	3,675.1	785.4	565.8	219.52	3.578	
10,500.0	6,546.2	10,586.9	6,628.2	113.0	113.4	-95.99	480.2	3,775.1	785.4	560.3	225.05	3.490	
10,600.0	6,545.6	10,686.9	6,627.6	115.8	116.2	-95.99	480.2	3,875.1	785.4	554.8	230.58	3.406	
10,700.0	6,545.0	10,786.9	6,627.1	118.5	119.0	-95.99	480.2	3,975.1	785.4	549.3	236.12	3.326	
10,800.0	6,544.5	10,886.9	6,626.5	121.3	121.7	-96.00	480.2	4,075.1	785.4	543.7	241.66	3.250	
10,900.0	6,543.9	10,986.9	6,626.0	124.1	124.5	-96.00	480.2	4,175.1	785.4	538.2	247.20	3.177	
11,000.0	6,543.3	11,086.9	6,625.4	126.9	127.3	-96.01	480.2	4,275.1	785.4	532.7	252.74	3.108	
11,100.0	6,542.7	11,186.9	6,624.9	129.7	130.1	-96.01	480.2	4,375.1	785.4	527.1	258.28	3.041	
11,200.0	6,542.1	11,286.9	6,624.4	132.5	132.9	-96.01	480.2	4,475.1	785.4	521.6	263.83	2.977	
11,300.0	6,541.5	11,386.9	6,623.8	135.3	135.7	-96.02	480.2	4,575.1	785.4	516.0	269.38	2.916	
11,400.0	6,540.9	11,486.9	6,623.3	138.1	138.5	-96.02	480.2	4,675.1	785.4	510.5	274.92	2.857	
11,500.0	6,540.3	11,586.9	6,622.7	140.8	141.2	-96.03	480.2	4,775.1	785.4	505.0	280.47	2.800	
11,600.0	6,539.7	11,686.9	6,622.2	143.6	144.0	-96.03	480.2	4,875.1	785.4	499.4	286.03	2.746	
11,700.0	6,539.1	11,786.9	6,621.7	146.4	146.8	-96.03	480.2	4,975.1	785.4	493.9	291.58	2.694	
11,800.0	6,538.5	11,886.9	6,621.1	149.2	149.6	-96.04	480.2	5,075.1	785.4	488.3	297.13	2.643	
11,900.0	6,537.9	11,986.9	6,620.6	152.0	152.4	-96.04	480.2	5,175.1	785.4	482.8	302.69	2.595	
12,000.0	6,537.3	12,086.9	6,620.0	154.8	155.2	-96.04	480.2	5,275.1	785.5	477.2	308.25	2.548	
12,100.0	6,536.7	12,186.9	6,619.5	157.6	158.0	-96.05	480.2	5,375.1	785.5	471.7	313.80	2.503	
12,200.0	6,536.1	12,286.9	6,619.0	160.4	160.8	-96.05	480.2	5,475.0	785.5	466.1	319.36	2.459	
12,300.0	6,535.6	12,386.9	6,618.4	163.2	163.6	-96.06	480.2	5,575.0	785.5	460.5	324.92	2.417	
12,400.0	6,535.0	12,486.9	6,617.9	166.0	166.4	-96.06	480.2	5,675.0	785.5	455.0	330.48	2.377	
12,500.0	6,534.4	12,586.9	6,617.3	168.8	169.2	-96.06	480.2	5,775.0	785.5	449.4	336.04	2.337	
12,600.0	6,533.8	12,686.9	6,616.8	171.6	172.0	-96.07	480.2	5,875.0	785.5	443.9	341.61	2.299	
12,700.0	6,533.2	12,786.9	6,616.2	174.4	174.8	-96.07	480.2	5,975.0	785.5	438.3	347.17	2.263	
12,800.0	6,532.6	12,886.9	6,615.7	177.2	177.6	-96.07	480.2	6,075.0	785.5	432.8	352.73	2.227	
12,900.0	6,532.0	12,986.9	6,615.2	180.0	180.4	-96.08	480.2	6,175.0	785.5	427.2	358.30	2.192	
13,000.0	6,531.4	13,086.9	6,614.6	182.8	183.2	-96.08	480.2	6,275.0	785.5	421.6	363.86	2.159	
13,100.0	6,530.8	13,186.9	6,614.1	185.6	186.0	-96.09	480.2	6,375.0	785.5	416.1	369.43	2.126	
13,200.0	6,530.2	13,286.9	6,613.5	188.4	188.8	-96.09	480.2	6,475.0	785.5	410.5	374.99	2.095	
13,300.0	6,529.6	13,386.9	6,613.0	191.2	191.6	-96.09	480.2	6,575.0	785.5	405.0	380.56	2.064	
13,400.0	6,529.0	13,486.9	6,612.5	194.0	194.4	-96.10	480.2	6,675.0	785.5	399.4	386.13	2.034	
13,500.0	6,528.4	13,586.9	6,611.9	196.8	197.2	-96.10	480.2	6,775.0	785.5	393.8	391.69	2.005	

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

<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Bihain 26G-202
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Reference Site:</b>	Bihain 5N64W26GK Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bihain 26G-202	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 Extension (3-3-16)	<b>Offset TVD Reference:</b>	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		
13,600.0	6,527.8	13,686.9	6,611.4	199.6	200.0	-96.10	480.2	6,875.0	785.5	388.3	397.26	1.977		
13,700.0	6,527.2	13,786.9	6,610.8	202.4	202.8	-96.11	480.2	6,975.0	785.5	382.7	402.83	1.950		
13,800.0	6,526.7	13,886.9	6,610.3	205.2	205.6	-96.11	480.2	7,075.0	785.5	377.2	408.40	1.923		
13,900.0	6,526.1	13,986.9	6,609.8	208.0	208.4	-96.12	480.2	7,175.0	785.6	371.6	413.97	1.898		
14,000.0	6,525.5	14,086.9	6,609.2	210.8	211.2	-96.12	480.2	7,275.0	785.6	366.0	419.54	1.872		
14,100.0	6,524.9	14,186.9	6,608.7	213.6	214.0	-96.12	480.2	7,375.0	785.6	360.5	425.11	1.848		
14,200.0	6,524.3	14,286.9	6,608.1	216.4	216.8	-96.13	480.2	7,475.0	785.6	354.9	430.68	1.824		
14,300.0	6,523.7	14,386.9	6,607.6	219.2	219.6	-96.13	480.2	7,575.0	785.6	349.3	436.25	1.801		
14,400.0	6,523.1	14,486.9	6,607.1	222.0	222.4	-96.14	480.2	7,675.0	785.6	343.8	441.82	1.778		
14,500.0	6,522.5	14,586.9	6,606.5	224.8	225.2	-96.14	480.2	7,775.0	785.6	338.2	447.39	1.756		
14,600.0	6,521.9	14,686.9	6,606.0	227.6	228.0	-96.14	480.2	7,875.0	785.6	332.6	452.96	1.734		
14,700.0	6,521.3	14,786.9	6,605.4	230.4	230.8	-96.15	480.2	7,975.0	785.6	327.1	458.53	1.713		
14,800.0	6,520.7	14,886.9	6,604.9	233.2	233.6	-96.15	480.2	8,075.0	785.6	321.5	464.10	1.693		
14,900.0	6,520.1	14,986.9	6,604.3	236.0	236.4	-96.15	480.2	8,175.0	785.6	315.9	469.68	1.673		
15,000.0	6,519.5	15,086.9	6,603.8	238.8	239.2	-96.16	480.2	8,275.0	785.6	310.4	475.25	1.653		
15,100.0	6,518.9	15,186.9	6,603.3	241.6	242.0	-96.16	480.2	8,375.0	785.6	304.8	480.82	1.634		
15,200.0	6,518.3	15,286.9	6,602.7	244.4	244.8	-96.17	480.2	8,475.0	785.6	299.2	486.39	1.615		
15,300.0	6,517.7	15,386.9	6,602.2	247.2	247.6	-96.17	480.2	8,575.0	785.6	293.7	491.97	1.597		
15,400.0	6,517.1	15,486.9	6,601.6	250.0	250.4	-96.17	480.2	8,675.0	785.6	288.1	497.54	1.579		
15,500.0	6,516.5	15,586.9	6,601.1	252.8	253.2	-96.18	480.2	8,775.0	785.6	282.5	503.11	1.562		
15,600.0	6,516.0	15,686.9	6,600.6	255.6	256.0	-96.18	480.2	8,875.0	785.6	277.0	508.69	1.544		
15,700.0	6,515.4	15,786.9	6,600.0	258.4	258.8	-96.18	480.2	8,975.0	785.7	271.4	514.26	1.528		
15,800.0	6,514.8	15,886.9	6,599.5	261.2	261.6	-96.19	480.2	9,075.0	785.7	265.8	519.84	1.511		
15,900.0	6,514.2	15,986.9	6,598.9	264.1	264.4	-96.19	480.2	9,175.0	785.7	260.3	525.41	1.495 Level 3		
16,000.0	6,513.6	16,086.9	6,598.4	266.9	267.2	-96.20	480.2	9,275.0	785.7	254.7	530.98	1.480 Level 3		
16,100.0	6,513.0	16,186.9	6,597.9	269.7	270.0	-96.20	480.2	9,375.0	785.7	249.1	536.56	1.464 Level 3		
16,200.0	6,512.4	16,286.9	6,597.3	272.5	272.8	-96.20	480.2	9,475.0	785.7	243.5	542.13	1.449 Level 3		
16,235.8	6,512.2	16,322.6	6,597.1	273.5	273.8	-96.21	480.2	9,510.8	785.7	241.6	544.13	1.444 Level 3		
16,269.0	6,512.0	16,344.5	6,597.0	274.4	274.4	-96.21	480.2	9,532.7	785.8	240.1	545.67	1.440 Level 3, SF		

<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Bihain 26G-202
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Reference Site:</b>	Bihain 5N64W26GK Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bihain 26G-202	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 Extension (3-3-16)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Bihain 5N64W26GK Pad Sec.26-T5N-R64W - Bihain 26G-212 - Wellbore #1 - Plan #1 Extended (3-3-16)												Offset Well Error:	0.0 ft
Survey Program: 0-MWD													
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	-50.68	18.9	-23.1	29.9				
100.0	100.0	100.0	100.0	0.1	0.1	-50.68	18.9	-23.1	29.9	29.7	0.22	133.008	
200.0	200.0	200.0	200.0	0.3	0.3	-50.68	18.9	-23.1	29.9	29.2	0.67	44.336	
300.0	300.0	300.0	300.0	0.6	0.6	-50.68	18.9	-23.1	29.9	28.8	1.12	26.602	
400.0	400.0	400.0	400.0	0.8	0.8	-50.68	18.9	-23.1	29.9	28.3	1.57	19.001	
500.0	500.0	500.0	500.0	1.0	1.0	-50.68	18.9	-23.1	29.9	27.9	2.02	14.779	
600.0	600.0	600.0	600.0	1.2	1.2	-50.68	18.9	-23.1	29.9	27.4	2.47	12.092	
700.0	700.0	700.0	700.0	1.5	1.5	-50.68	18.9	-23.1	29.9	27.0	2.92	10.231	
800.0	800.0	800.0	800.0	1.7	1.7	-50.68	18.9	-23.1	29.9	26.5	3.37	8.867	
900.0	900.0	900.0	900.0	1.9	1.9	-50.68	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	-50.68	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	-50.68	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	-50.68	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	-50.68	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	-50.68	18.9	-23.1	29.9	23.8	6.07	4.926	
1,500.0	1,500.0	1,500.0	1,500.0	3.2	3.3	75.76	18.9	-23.1	29.5	23.1	6.50	4.549	
1,600.0	1,599.9	1,599.9	1,599.9	3.4	3.5	83.35	18.9	-23.1	28.8	21.9	6.91	4.175	
1,620.5	1,620.4	1,620.3	1,620.3	3.5	3.5	85.52	19.0	-23.2	28.8	21.8	6.99	4.116 CC	
1,700.0	1,699.7	1,699.1	1,699.1	3.6	3.7	94.59	19.4	-24.3	29.8	22.5	7.32	4.070	
1,800.0	1,799.3	1,798.3	1,798.2	3.8	3.9	105.58	20.7	-28.0	34.1	26.4	7.73	4.410	
1,900.0	1,898.6	1,897.3	1,897.0	4.1	4.1	114.00	22.8	-34.0	41.7	33.6	8.16	5.112	
2,004.8	2,002.2	2,000.8	2,000.0	4.3	4.4	119.79	26.0	-42.9	52.9	44.3	8.64	6.126	
2,100.0	2,096.3	2,094.7	2,093.3	4.6	4.6	122.28	29.7	-53.2	64.9	55.8	9.09	7.140	
2,200.0	2,195.0	2,193.4	2,191.1	4.9	4.8	122.53	34.4	-66.2	78.4	68.8	9.61	8.163	
2,300.0	2,293.8	2,292.5	2,289.2	5.2	5.1	122.51	39.1	-79.5	92.0	81.9	10.14	9.074	
2,400.0	2,392.5	2,391.6	2,387.2	5.5	5.4	122.49	43.9	-92.7	105.6	94.9	10.69	9.879	
2,500.0	2,491.3	2,490.6	2,485.3	5.8	5.7	122.47	48.7	-106.0	119.2	108.0	11.25	10.592	
2,600.0	2,590.0	2,589.7	2,583.3	6.1	5.9	122.46	53.4	-119.3	132.8	121.0	11.83	11.225	
2,700.0	2,688.8	2,688.8	2,681.4	6.4	6.2	122.45	58.2	-132.6	146.4	134.0	12.42	11.788	
2,800.0	2,787.5	2,787.9	2,779.5	6.8	6.5	122.45	62.9	-145.9	160.0	147.0	13.02	12.292	
2,900.0	2,886.3	2,886.9	2,877.5	7.1	6.8	122.44	67.7	-159.2	173.6	160.0	13.62	12.744	
3,000.0	2,985.0	2,986.0	2,975.6	7.5	7.2	122.43	72.5	-172.5	187.2	173.0	14.23	13.152	
3,100.0	3,083.8	3,085.1	3,073.6	7.8	7.5	122.43	77.2	-185.8	200.8	185.9	14.85	13.520	
3,200.0	3,182.5	3,184.1	3,171.7	8.2	7.8	122.42	82.0	-199.1	214.4	198.9	15.48	13.853	
3,300.0	3,281.3	3,283.2	3,269.8	8.5	8.1	122.42	86.8	-212.3	228.0	211.9	16.11	14.157	
3,400.0	3,380.0	3,382.3	3,367.8	8.9	8.4	122.42	91.5	-225.6	241.6	224.9	16.74	14.434	
3,500.0	3,478.8	3,481.4	3,465.9	9.2	8.7	122.41	96.3	-238.9	255.2	237.8	17.37	14.688	
3,600.0	3,577.5	3,580.4	3,563.9	9.6	9.1	122.41	101.0	-252.2	268.8	250.8	18.01	14.921	
3,700.0	3,676.3	3,679.5	3,662.0	9.9	9.4	122.41	105.8	-265.5	282.4	263.7	18.66	15.135	
3,800.0	3,775.0	3,778.6	3,760.1	10.3	9.7	122.41	110.6	-278.8	296.0	276.7	19.30	15.334	
3,900.0	3,873.8	3,877.6	3,858.1	10.7	10.1	122.41	115.3	-292.1	309.6	289.6	19.95	15.517	
4,000.0	3,972.5	3,976.7	3,956.2	11.0	10.4	122.40	120.1	-305.4	323.2	302.6	20.60	15.687	
4,100.0	4,071.3	4,075.8	4,054.2	11.4	10.7	122.40	124.9	-318.7	336.8	315.5	21.26	15.845	
4,200.0	4,170.0	4,174.9	4,152.3	11.8	11.1	122.40	129.6	-331.9	350.4	328.5	21.91	15.993	
4,300.0	4,268.8	4,273.9	4,250.4	12.1	11.4	122.40	134.4	-345.2	364.0	341.4	22.57	16.130	
4,400.0	4,367.5	4,373.0	4,348.4	12.5	11.7	122.40	139.1	-358.5	377.6	354.4	23.22	16.259	
4,500.0	4,466.3	4,472.1	4,446.5	12.9	12.1	122.40	143.9	-371.8	391.2	367.3	23.88	16.380	
4,600.0	4,565.0	4,571.1	4,544.5	13.2	12.4	122.40	148.7	-385.1	404.8	380.3	24.54	16.493	
4,700.0	4,663.8	4,670.2	4,642.6	13.6	12.7	122.40	153.4	-398.4	418.4	393.2	25.20	16.600	
4,800.0	4,762.5	4,769.3	4,740.7	14.0	13.1	122.39	158.2	-411.7	432.0	406.1	25.87	16.700	
4,886.9	4,848.3	4,857.4	4,827.9	14.3	13.3	122.42	162.3	-423.3	443.7	417.3	26.43	16.788	

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

<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Bihain 26G-202
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Reference Site:</b>	Bihain 5N64W26GK Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bihain 26G-202	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 Extension (3-3-16)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Bihain 5N64W26GK Pad Sec.26-T5N-R64W - Bihain 26G-212 - Wellbore #1 - Plan #1 Extended (3-3-16)													Offset Well Error:	0.0 ft
Survey Program: 0-MWD														
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	4,861.3	4,871.1	4,841.5	14.4	13.4	122.47	162.9	-424.9	445.4	418.9	26.51	16.801		
5,000.0	4,960.3	4,976.3	4,946.1	14.6	13.6	122.86	166.7	-435.5	456.6	429.6	27.02	16.896		
5,100.0	5,059.8	5,081.9	5,051.4	14.8	13.9	123.24	169.2	-442.5	464.6	437.1	27.46	16.916		
5,200.0	5,159.6	5,187.7	5,157.2	15.0	14.0	123.64	170.4	-445.8	469.4	441.6	27.85	16.858		
5,300.0	5,259.5	5,290.1	5,259.5	15.2	14.2	123.96	170.5	-446.1	471.3	443.1	28.18	16.726		
5,340.5	5,300.0	5,330.5	5,300.0	15.3	14.3	-0.02	170.5	-446.1	471.4	446.4	25.06	18.809		
5,400.0	5,359.5	5,390.1	5,359.5	15.4	14.4	-0.02	170.5	-446.1	471.4	446.1	25.29	18.641		
5,500.0	5,459.5	5,490.1	5,459.5	15.5	14.6	-0.02	170.5	-446.1	471.4	445.8	25.67	18.366		
5,600.0	5,559.5	5,590.1	5,559.5	15.7	14.7	-0.02	170.5	-446.1	471.4	445.4	26.05	18.098		
5,700.0	5,659.5	5,690.1	5,659.5	15.8	14.9	-0.02	170.5	-446.1	471.4	445.0	26.43	17.836		
5,800.0	5,759.5	5,790.1	5,759.5	16.0	15.1	-0.02	170.5	-446.1	471.4	444.6	26.82	17.580		
5,843.3	5,802.8	5,833.3	5,802.8	16.0	15.2	-0.02	170.5	-446.1	471.4	444.4	26.98	17.471		
5,850.0	5,809.5	5,840.1	5,809.5	16.1	15.2	-90.02	170.5	-446.1	471.4	441.3	30.09	15.668		
5,900.0	5,859.5	5,890.1	5,859.5	16.1	15.3	-90.02	170.5	-444.1	471.4	441.2	30.21	15.603		
5,950.0	5,909.2	5,940.1	5,909.2	16.1	15.3	-90.02	170.5	-438.7	471.4	441.1	30.29	15.562		
6,000.0	5,958.4	5,990.1	5,958.5	16.2	15.3	-90.03	170.5	-430.2	471.4	441.1	30.33	15.543		
6,050.0	6,007.0	6,040.1	6,007.1	16.2	15.3	-90.03	170.5	-418.4	471.4	441.1	30.33	15.543		
6,100.0	6,054.7	6,090.2	6,054.8	16.1	15.3	-90.03	170.5	-403.5	471.4	441.1	30.30	15.557		
6,150.0	6,101.4	6,140.2	6,101.5	16.1	15.3	-90.04	170.5	-385.5	471.4	441.2	30.26	15.581		
6,200.0	6,146.7	6,190.2	6,146.9	16.1	15.3	-90.04	170.5	-364.5	471.4	441.2	30.20	15.608		
6,250.0	6,190.6	6,240.2	6,190.8	16.0	15.3	-90.04	170.5	-340.6	471.4	441.3	30.16	15.632		
6,300.0	6,232.8	6,290.2	6,233.0	16.0	15.2	-90.05	170.5	-313.8	471.4	441.3	30.14	15.643		
6,350.0	6,273.2	6,340.3	6,273.4	15.9	15.3	-90.05	170.5	-284.3	471.4	441.3	30.16	15.632		
6,400.0	6,311.5	6,390.3	6,311.8	15.9	15.3	-90.05	170.5	-252.3	471.4	441.2	30.25	15.586		
6,450.0	6,347.7	6,440.3	6,348.0	15.9	15.4	-90.05	170.5	-217.8	471.4	441.0	30.42	15.496		
6,500.0	6,381.6	6,490.3	6,381.9	15.9	15.5	-90.05	170.5	-181.0	471.4	440.7	30.71	15.352		
6,550.0	6,413.0	6,540.4	6,413.3	16.0	15.7	-90.06	170.5	-142.0	471.4	440.3	31.13	15.145		
6,600.0	6,441.7	6,590.4	6,442.1	16.1	16.0	-90.06	170.5	-101.1	471.4	439.7	31.70	14.874		
6,650.0	6,467.7	6,640.4	6,468.2	16.4	16.3	-90.06	170.5	-58.4	471.4	439.0	32.43	14.538		
6,700.0	6,490.9	6,690.5	6,491.4	16.7	16.8	-90.06	170.5	-14.1	471.4	438.1	33.33	14.143		
6,750.0	6,511.1	6,740.5	6,511.6	17.2	17.3	-90.06	170.5	31.7	471.4	437.0	34.41	13.700		
6,800.0	6,528.3	6,790.5	6,528.8	17.7	18.0	-90.06	170.5	78.6	471.4	435.8	35.66	13.220		
6,850.0	6,542.4	6,840.6	6,542.9	18.4	18.7	-90.06	170.5	126.6	471.4	434.4	37.07	12.717		
6,900.0	6,553.3	6,890.6	6,553.8	19.2	19.5	-90.06	170.5	175.4	471.4	432.8	38.63	12.204		
6,950.0	6,561.0	6,940.6	6,561.5	20.0	20.3	-90.06	170.5	224.9	471.4	431.1	40.32	11.693		
7,000.0	6,565.5	6,990.7	6,566.0	20.9	21.2	-90.06	170.5	274.7	471.4	429.3	42.11	11.195		
7,047.8	6,566.7	7,038.5	6,567.2	21.8	22.1	-90.06	170.5	322.5	471.4	427.5	43.91	10.737		
7,091.4	6,566.5	7,082.1	6,567.0	22.6	23.0	-90.07	170.5	366.1	471.4	425.8	45.62	10.333		
7,100.0	6,566.4	7,090.7	6,567.0	22.8	23.2	-90.07	170.5	374.7	471.4	425.5	45.96	10.257		
7,200.0	6,565.8	7,190.7	6,566.5	24.9	25.3	-90.09	170.5	474.7	471.4	421.3	50.14	9.402		
7,300.0	6,565.2	7,290.7	6,566.1	27.1	27.5	-90.11	170.5	574.7	471.4	416.9	54.57	8.638		
7,400.0	6,564.6	7,390.7	6,565.7	29.4	29.8	-90.13	170.5	674.7	471.4	412.2	59.21	7.962		
7,500.0	6,564.0	7,490.7	6,565.2	31.8	32.2	-90.15	170.5	774.7	471.4	407.4	64.00	7.366		
7,600.0	6,563.4	7,590.7	6,564.8	34.3	34.7	-90.16	170.5	874.7	471.4	402.5	68.92	6.840		
7,700.0	6,562.8	7,690.7	6,564.4	36.8	37.2	-90.18	170.5	974.7	471.4	397.5	73.94	6.376		
7,800.0	6,562.3	7,790.7	6,563.9	39.4	39.7	-90.20	170.5	1,074.7	471.4	392.4	79.04	5.964		
7,900.0	6,561.7	7,890.7	6,563.5	42.0	42.3	-90.22	170.5	1,174.7	471.4	387.2	84.21	5.598		
8,000.0	6,561.1	7,990.7	6,563.1	44.6	44.9	-90.24	170.5	1,274.7	471.4	382.0	89.43	5.272		
8,100.0	6,560.5	8,090.7	6,562.6	47.2	47.5	-90.26	170.5	1,374.7	471.4	376.7	94.70	4.978		
8,200.0	6,559.9	8,190.7	6,562.2	49.9	50.2	-90.28	170.5	1,474.7	471.4	371.4	100.00	4.714		
8,300.0	6,559.3	8,290.7	6,561.7	52.5	52.9	-90.30	170.5	1,574.7	471.4	366.1	105.34	4.475		

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

<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Bihain 26G-202
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Reference Site:</b>	Bihain 5N64W26GK Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bihain 26G-202	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 Extension (3-3-16)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Bihain 5N64W26GK Pad Sec.26-T5N-R64W - Bihain 26G-212 - Wellbore #1 - Plan #1 Extended (3-3-16)													Offset Well Error:	0.0 ft
Survey Program: 0-MWD														
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		
8,400.0	6,558.7	8,390.7	6,561.3	55.2	55.5	-90.32	170.5	1,674.7	471.4	360.7	110.70	4.258		
8,500.0	6,558.1	8,490.7	6,560.9	57.9	58.2	-90.34	170.5	1,774.7	471.4	355.3	116.09	4.061		
8,600.0	6,557.5	8,590.7	6,560.4	60.6	60.9	-90.36	170.5	1,874.7	471.4	349.9	121.50	3.880		
8,700.0	6,556.9	8,690.7	6,560.0	63.3	63.7	-90.37	170.5	1,974.7	471.4	344.5	126.93	3.714		
8,800.0	6,556.3	8,790.7	6,559.6	66.0	66.4	-90.39	170.5	2,074.7	471.4	339.1	132.38	3.561		
8,900.0	6,555.7	8,890.7	6,559.1	68.8	69.1	-90.41	170.5	2,174.7	471.4	333.6	137.84	3.420		
9,000.0	6,555.1	8,990.7	6,558.7	71.5	71.8	-90.43	170.5	2,274.7	471.4	328.1	143.31	3.290		
9,100.0	6,554.5	9,090.7	6,558.3	74.2	74.6	-90.45	170.5	2,374.7	471.4	322.7	148.79	3.169		
9,200.0	6,553.9	9,190.7	6,557.8	77.0	77.3	-90.47	170.5	2,474.7	471.4	317.2	154.28	3.056		
9,300.0	6,553.4	9,290.7	6,557.4	79.7	80.1	-90.49	170.5	2,574.7	471.4	311.7	159.78	2.951		
9,400.0	6,552.8	9,390.7	6,556.9	82.5	82.8	-90.51	170.5	2,674.7	471.4	306.2	165.29	2.852		
9,500.0	6,552.2	9,490.7	6,556.5	85.3	85.6	-90.53	170.5	2,774.7	471.4	300.6	170.81	2.760		
9,600.0	6,551.6	9,590.7	6,556.1	88.0	88.4	-90.55	170.5	2,874.7	471.4	295.1	176.33	2.674		
9,700.0	6,551.0	9,690.7	6,555.6	90.8	91.1	-90.57	170.5	2,974.7	471.5	289.6	181.86	2.592		
9,800.0	6,550.4	9,790.7	6,555.2	93.6	93.9	-90.58	170.5	3,074.7	471.5	284.1	187.39	2.516		
9,900.0	6,549.8	9,890.7	6,554.8	96.3	96.7	-90.60	170.5	3,174.7	471.5	278.5	192.93	2.444		
10,000.0	6,549.2	9,990.7	6,554.3	99.1	99.4	-90.62	170.5	3,274.7	471.5	273.0	198.47	2.375		
10,100.0	6,548.6	10,090.7	6,553.9	101.9	102.2	-90.64	170.5	3,374.7	471.5	267.4	204.02	2.311		
10,200.0	6,548.0	10,190.7	6,553.5	104.6	105.0	-90.66	170.5	3,474.7	471.5	261.9	209.57	2.250		
10,300.0	6,547.4	10,290.7	6,553.0	107.4	107.8	-90.68	170.5	3,574.7	471.5	256.3	215.12	2.192		
10,400.0	6,546.8	10,390.7	6,552.6	110.2	110.5	-90.70	170.5	3,674.7	471.5	250.8	220.68	2.136		
10,500.0	6,546.2	10,490.7	6,552.1	113.0	113.3	-90.72	170.5	3,774.7	471.5	245.2	226.24	2.084		
10,600.0	6,545.6	10,590.7	6,551.7	115.8	116.1	-90.74	170.5	3,874.7	471.5	239.7	231.80	2.034		
10,700.0	6,545.0	10,690.7	6,551.3	118.5	118.9	-90.76	170.5	3,974.7	471.5	234.1	237.37	1.986		
10,800.0	6,544.5	10,790.7	6,550.8	121.3	121.7	-90.78	170.5	4,074.7	471.5	228.5	242.94	1.941		
10,900.0	6,543.9	10,890.7	6,550.4	124.1	124.4	-90.79	170.5	4,174.7	471.5	223.0	248.51	1.897		
11,000.0	6,543.3	10,990.7	6,550.0	126.9	127.2	-90.81	170.5	4,274.7	471.5	217.4	254.08	1.856		
11,100.0	6,542.7	11,090.7	6,549.5	129.7	130.0	-90.83	170.5	4,374.7	471.5	211.8	259.65	1.816		
11,200.0	6,542.1	11,190.7	6,549.1	132.5	132.8	-90.85	170.5	4,474.6	471.5	206.2	265.23	1.778		
11,300.0	6,541.5	11,290.7	6,548.7	135.3	135.6	-90.87	170.5	4,574.6	471.5	200.7	270.81	1.741		
11,400.0	6,540.9	11,390.7	6,548.2	138.1	138.4	-90.89	170.5	4,674.6	471.5	195.1	276.39	1.706		
11,500.0	6,540.3	11,490.7	6,547.8	140.8	141.2	-90.91	170.5	4,774.6	471.5	189.5	281.97	1.672		
11,600.0	6,539.7	11,590.7	6,547.3	143.6	144.0	-90.93	170.5	4,874.6	471.5	183.9	287.55	1.640		
11,700.0	6,539.1	11,690.7	6,546.9	146.4	146.8	-90.95	170.5	4,974.6	471.5	178.4	293.13	1.608		
11,800.0	6,538.5	11,790.7	6,546.5	149.2	149.6	-90.97	170.5	5,074.6	471.5	172.8	298.72	1.578		
11,900.0	6,537.9	11,890.7	6,546.0	152.0	152.4	-90.99	170.5	5,174.6	471.5	167.2	304.30	1.549		
12,000.0	6,537.3	11,990.7	6,545.6	154.8	155.1	-91.00	170.5	5,274.6	471.5	161.6	309.89	1.522		
12,100.0	6,536.7	12,090.7	6,545.2	157.6	157.9	-91.02	170.5	5,374.6	471.5	156.0	315.47	1.495 Level 3		
12,200.0	6,536.1	12,190.7	6,544.7	160.4	160.7	-91.04	170.5	5,474.6	471.5	150.4	321.06	1.469 Level 3		
12,300.0	6,535.5	12,290.7	6,544.3	163.2	163.5	-91.06	170.5	5,574.6	471.5	144.9	326.65	1.443 Level 3		
12,400.0	6,535.0	12,390.7	6,543.9	166.0	166.3	-91.08	170.5	5,674.6	471.5	139.3	332.24	1.419 Level 3		
12,500.0	6,534.4	12,490.7	6,543.4	168.8	169.1	-91.10	170.5	5,774.6	471.5	133.7	337.83	1.396 Level 3		
12,600.0	6,533.8	12,590.7	6,543.0	171.6	171.9	-91.12	170.5	5,874.6	471.5	128.1	343.43	1.373 Level 3		
12,700.0	6,533.2	12,690.7	6,542.5	174.4	174.7	-91.14	170.5	5,974.6	471.5	122.5	349.02	1.351 Level 3		
12,800.0	6,532.6	12,790.7	6,542.1	177.2	177.5	-91.16	170.5	6,074.6	471.5	116.9	354.61	1.330 Level 3		
12,900.0	6,532.0	12,890.7	6,541.7	180.0	180.3	-91.18	170.5	6,174.6	471.5	111.3	360.20	1.309 Level 3		
13,000.0	6,531.4	12,990.7	6,541.2	182.8	183.1	-91.20	170.5	6,274.6	471.5	105.7	365.80	1.289 Level 3		
13,100.0	6,530.8	13,090.7	6,540.8	185.6	185.9	-91.21	170.5	6,374.6	471.5	100.1	371.39	1.270 Level 3		
13,200.0	6,530.2	13,190.7	6,540.4	188.4	188.7	-91.23	170.5	6,474.6	471.5	94.5	376.99	1.251 Level 3		
13,300.0	6,529.6	13,290.7	6,539.9	191.2	191.5	-91.25	170.5	6,574.6	471.5	88.9	382.58	1.232 Level 2		
13,400.0	6,529.0	13,390.7	6,539.5	194.0	194.3	-91.27	170.5	6,674.6	471.5	83.4	388.18	1.215 Level 2		

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

<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Bihain 26G-202
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Reference Site:</b>	Bihain 5N64W26GK Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bihain 26G-202	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 Extension (3-3-16)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Bihain 5N64W26GK Pad Sec.26-T5N-R64W - Bihain 26G-212 - Wellbore #1 - Plan #1 Extended (3-3-16)													Offset Well Error:	0.0 ft
Survey Program: 0-MWD														
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		
13,500.0	6,528.4	13,490.7	6,539.1	196.8	197.1	-91.29	170.5	6,774.6	471.5	77.8	393.78	1.197	Level 2	
13,600.0	6,527.8	13,590.7	6,538.6	199.6	199.9	-91.31	170.5	6,874.6	471.5	72.2	399.37	1.181	Level 2	
13,700.0	6,527.2	13,690.7	6,538.2	202.4	202.7	-91.33	170.5	6,974.6	471.5	66.6	404.97	1.164	Level 2	
13,800.0	6,526.7	13,790.7	6,537.7	205.2	205.5	-91.35	170.5	7,074.6	471.6	61.0	410.57	1.149	Level 2	
13,900.0	6,526.1	13,890.7	6,537.3	208.0	208.3	-91.37	170.5	7,174.6	471.6	55.4	416.17	1.133	Level 2	
14,000.0	6,525.5	13,990.7	6,536.9	210.8	211.1	-91.39	170.5	7,274.6	471.6	49.8	421.77	1.118	Level 2	
14,100.0	6,524.9	14,090.7	6,536.4	213.6	213.9	-91.41	170.5	7,374.6	471.6	44.2	427.36	1.103	Level 2	
14,200.0	6,524.3	14,190.7	6,536.0	216.4	216.7	-91.42	170.5	7,474.6	471.6	38.6	432.96	1.089	Level 2	
14,300.0	6,523.7	14,290.7	6,535.6	219.2	219.5	-91.44	170.5	7,574.6	471.6	33.0	438.56	1.075	Level 2	
14,400.0	6,523.1	14,390.7	6,535.1	222.0	222.3	-91.46	170.5	7,674.6	471.6	27.4	444.16	1.062	Level 2	
14,500.0	6,522.5	14,490.7	6,534.7	224.8	225.1	-91.48	170.5	7,774.6	471.6	21.8	449.76	1.049	Level 2	
14,600.0	6,521.9	14,590.7	6,534.3	227.6	227.9	-91.50	170.5	7,874.6	471.6	16.2	455.36	1.036	Level 2	
14,700.0	6,521.3	14,690.7	6,533.8	230.4	230.7	-91.52	170.5	7,974.6	471.6	10.6	460.96	1.023	Level 2	
14,800.0	6,520.7	14,790.7	6,533.4	233.2	233.5	-91.54	170.5	8,074.6	471.6	5.0	466.56	1.011	Level 2	
14,900.0	6,520.1	14,890.7	6,532.9	236.0	236.3	-91.56	170.5	8,174.6	471.6	-0.6	472.16	0.999	Level 1	
15,000.0	6,519.5	14,990.7	6,532.5	238.8	239.2	-91.58	170.5	8,274.6	471.6	-6.2	477.76	0.987	Level 1	
15,100.0	6,518.9	15,090.7	6,532.1	241.6	242.0	-91.60	170.5	8,374.6	471.6	-11.8	483.36	0.976	Level 1	
15,200.0	6,518.3	15,190.7	6,531.6	244.4	244.8	-91.62	170.5	8,474.6	471.6	-17.4	488.97	0.964	Level 1	
15,300.0	6,517.8	15,290.7	6,531.2	247.2	247.6	-91.63	170.5	8,574.6	471.6	-23.0	494.57	0.954	Level 1	
15,400.0	6,517.2	15,390.7	6,530.8	250.0	250.4	-91.65	170.5	8,674.6	471.6	-28.6	500.17	0.943	Level 1	
15,500.0	6,516.6	15,490.7	6,530.3	252.8	253.2	-91.67	170.5	8,774.6	471.6	-34.2	505.77	0.932	Level 1	
15,600.0	6,516.0	15,590.7	6,529.9	255.6	256.0	-91.69	170.5	8,874.6	471.6	-39.7	511.37	0.922	Level 1	
15,700.0	6,515.4	15,690.7	6,529.5	258.4	258.8	-91.71	170.5	8,974.6	471.6	-45.3	516.97	0.912	Level 1	
15,800.0	6,514.8	15,790.7	6,529.0	261.2	261.6	-91.73	170.5	9,074.6	471.6	-50.9	522.57	0.903	Level 1	
15,900.0	6,514.2	15,890.7	6,528.6	264.1	264.4	-91.75	170.5	9,174.6	471.6	-56.5	528.18	0.893	Level 1	
16,000.0	6,513.6	15,990.7	6,528.1	266.9	267.2	-91.77	170.5	9,274.6	471.6	-62.1	533.78	0.884	Level 1	
16,100.0	6,513.0	16,090.7	6,527.7	269.7	270.0	-91.79	170.5	9,374.6	471.6	-67.7	539.38	0.874	Level 1	
16,200.0	6,512.4	16,190.7	6,527.3	272.5	272.8	-91.81	170.5	9,474.6	471.6	-73.3	544.98	0.865	Level 1	
16,237.9	6,512.2	16,228.6	6,527.1	273.5	273.9	-91.81	170.5	9,512.5	471.7	-75.5	547.10	0.862	Level 1	
16,269.0	6,512.0	16,253.1	6,527.0	274.4	274.6	-91.82	170.5	9,537.0	471.7	-77.0	548.66	0.860	Level 1, ES, SF	

<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Bihain 26G-202
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Reference Site:</b>	Bihain 5N64W26GK Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bihain 26G-202	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 Extension (3-3-16)	<b>Offset TVD Reference:</b>	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		
0.0	0.0	0.0	0.0	0.0	0.0	-51.00	9.5	-11.7	15.1	15.1	0.00	N/A		
100.0	100.0	100.0	100.0	0.1	0.1	-51.00	9.5	-11.7	15.1	14.8	0.22	66.996		
200.0	200.0	200.0	200.0	0.3	0.3	-51.00	9.5	-11.7	15.1	14.4	0.67	22.332		
300.0	300.0	300.0	300.0	0.6	0.6	-51.00	9.5	-11.7	15.1	13.9	1.12	13.399		
400.0	400.0	400.0	400.0	0.8	0.8	-51.00	9.5	-11.7	15.1	13.5	1.57	9.571		
500.0	500.0	500.0	500.0	1.0	1.0	-51.00	9.5	-11.7	15.1	13.0	2.02	7.444		
600.0	600.0	600.0	600.0	1.2	1.2	-51.00	9.5	-11.7	15.1	12.6	2.47	6.091		
700.0	700.0	700.0	700.0	1.5	1.5	-51.00	9.5	-11.7	15.1	12.1	2.92	5.154		
800.0	800.0	800.0	800.0	1.7	1.7	-51.00	9.5	-11.7	15.1	11.7	3.37	4.466		
900.0	900.0	900.0	900.0	1.9	1.9	-51.00	9.5	-11.7	15.1	11.2	3.82	3.941		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-51.00	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	-51.00	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	-51.00	9.5	-11.7	15.1	9.9	5.17	2.913		
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	-51.00	9.5	-11.7	15.1	9.4	5.62	2.680		
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	-51.00	9.5	-11.7	15.1	9.0	6.07	2.481		
1,500.0	1,500.0	1,500.0	1,500.0	3.2	3.3	77.88	9.5	-11.7	14.7	8.2	6.50	2.267		
1,583.4	1,583.3	1,583.3	1,583.3	3.4	3.4	90.00	9.5	-11.7	14.4	7.6	6.84	2.106 CC		
1,600.0	1,599.9	1,599.9	1,599.9	3.4	3.5	93.31	9.5	-11.7	14.4	7.5	6.91	2.088		
1,700.0	1,699.7	1,699.7	1,699.7	3.6	3.7	117.04	9.5	-11.7	16.2	8.9	7.32	2.209		
1,800.0	1,799.3	1,799.3	1,799.3	3.8	3.9	138.77	9.5	-11.7	21.9	14.2	7.74	2.833		
1,900.0	1,898.6	1,898.6	1,898.6	4.1	4.2	152.81	9.5	-11.7	31.7	23.6	8.14	3.898		
2,004.8	2,002.2	2,002.2	2,002.2	4.3	4.4	161.42	9.5	-11.7	45.7	37.1	8.56	5.340		
2,100.0	2,096.3	2,097.1	2,097.1	4.6	4.6	165.52	9.3	-12.5	59.5	50.5	8.95	6.649		
2,200.0	2,195.0	2,197.1	2,197.0	4.9	4.8	167.38	8.9	-15.0	72.8	63.5	9.35	7.788		
2,300.0	2,293.8	2,297.5	2,297.4	5.2	5.0	167.99	8.1	-19.3	84.8	75.0	9.76	8.683		
2,400.0	2,392.5	2,398.2	2,397.9	5.5	5.2	167.82	7.1	-25.3	95.3	85.1	10.19	9.357		
2,500.0	2,491.3	2,499.2	2,498.6	5.8	5.4	167.11	5.7	-33.1	104.5	93.8	10.62	9.834		
2,600.0	2,590.0	2,600.4	2,599.3	6.1	5.6	165.97	4.0	-42.6	112.2	101.1	11.07	10.137		
2,700.0	2,688.8	2,701.7	2,700.0	6.4	5.9	164.42	2.0	-54.0	118.6	107.1	11.53	10.286		
2,800.0	2,787.5	2,803.2	2,800.5	6.8	6.1	162.50	-0.4	-67.0	123.8	111.8	12.02	10.302		
2,900.0	2,886.3	2,903.1	2,899.5	7.1	6.4	160.45	-2.8	-80.9	128.4	115.8	12.52	10.252		
3,000.0	2,985.0	3,002.9	2,998.3	7.5	6.6	158.54	-5.3	-94.8	133.0	120.0	13.04	10.206		
3,100.0	3,083.8	3,102.7	3,097.1	7.8	6.9	156.76	-7.8	-108.7	137.9	124.3	13.57	10.162		
3,200.0	3,182.5	3,202.5	3,195.9	8.2	7.2	155.10	-10.2	-122.6	142.8	128.7	14.11	10.120		
3,300.0	3,281.3	3,302.3	3,294.7	8.5	7.5	153.56	-12.7	-136.4	147.9	133.2	14.67	10.080		
3,400.0	3,380.0	3,402.1	3,393.5	8.9	7.8	152.12	-15.2	-150.3	153.1	137.8	15.24	10.042		
3,500.0	3,478.8	3,501.9	3,492.2	9.2	8.1	150.77	-17.6	-164.2	158.3	142.5	15.82	10.005		
3,600.0	3,577.5	3,601.7	3,591.0	9.6	8.4	149.51	-20.1	-178.1	163.6	147.2	16.41	9.970		
3,700.0	3,676.3	3,701.5	3,689.8	9.9	8.7	148.33	-22.6	-191.9	169.0	152.0	17.01	9.935		
3,800.0	3,775.0	3,801.3	3,788.6	10.3	9.0	147.22	-25.1	-205.8	174.5	156.9	17.62	9.903		
3,900.0	3,873.8	3,901.1	3,887.4	10.7	9.3	146.18	-27.5	-219.7	180.1	161.8	18.24	9.871		
4,000.0	3,972.5	4,000.9	3,986.2	11.0	9.6	145.21	-30.0	-233.6	185.7	166.8	18.86	9.841		
4,100.0	4,071.3	4,100.6	4,085.0	11.4	9.9	144.29	-32.5	-247.4	191.3	171.8	19.50	9.813		
4,200.0	4,170.0	4,200.4	4,183.8	11.8	10.3	143.42	-34.9	-261.3	197.0	176.9	20.13	9.785		
4,300.0	4,268.8	4,300.2	4,282.6	12.1	10.6	142.61	-37.4	-275.2	202.7	181.9	20.77	9.759		
4,400.0	4,367.5	4,400.0	4,381.4	12.5	10.9	141.83	-39.9	-289.1	208.5	187.1	21.42	9.734		
4,500.0	4,466.3	4,499.8	4,480.2	12.9	11.2	141.10	-42.3	-302.9	214.3	192.2	22.07	9.710		
4,600.0	4,565.0	4,599.6	4,579.0	13.2	11.6	140.41	-44.8	-316.8	220.1	197.4	22.73	9.687		
4,700.0	4,663.8	4,699.4	4,677.8	13.6	11.9	139.75	-47.3	-330.7	226.0	202.6	23.38	9.665		
4,800.0	4,762.5	4,799.2	4,776.6	14.0	12.2	139.13	-49.7	-344.6	231.9	207.9	24.05	9.644		
4,886.9	4,848.3	4,885.9	4,862.4	14.3	12.5	138.61	-51.9	-356.6	237.1	212.4	24.62	9.627		

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



<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Bihain 26G-202
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Reference Site:</b>	Bihain 5N64W26GK Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bihain 26G-202	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 Extension (3-3-16)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design		Bihain 5N64W26GK Pad Sec.26-T5N-R64W - Bihain 26G-312 - Wellbore #1 - Plan #1 Extension (3-4-1)										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	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre		Between	Between	Minimum	Separation	Warning		
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	Toolface (°)	+N/-S (ft)	+E/-W (ft)	Centres (ft)	Ellipses (ft)	Separation (ft)	Factor			
4,900.0	4,861.3	4,899.0	4,875.4	14.4	12.6	138.54	-52.2	-358.4	237.8	213.1	24.71	9.623			
5,000.0	4,960.3	4,998.8	4,974.2	14.6	12.9	137.69	-54.7	-372.3	242.1	216.8	25.36	9.546			
5,100.0	5,059.8	5,098.6	5,073.0	14.8	13.2	136.28	-57.1	-386.2	244.0	217.9	26.03	9.372			
5,200.0	5,159.6	5,198.3	5,171.6	15.0	13.6	134.28	-59.6	-400.0	243.5	216.8	26.72	9.113			
5,300.0	5,259.5	5,297.6	5,270.0	15.2	13.9	131.64	-62.1	-413.9	241.0	213.6	27.43	8.787			
5,340.5	5,300.0	5,337.4	5,309.3	15.3	14.0	6.39	-63.0	-419.4	239.5	214.2	25.36	9.447			
5,400.0	5,359.5	5,395.1	5,366.6	15.4	14.2	4.70	-64.3	-426.5	237.5	212.0	25.44	9.334			
5,500.0	5,459.5	5,492.7	5,463.7	15.5	14.4	2.41	-66.0	-436.1	235.1	209.5	25.62	9.177			
5,600.0	5,559.5	5,590.9	5,561.7	15.7	14.6	0.88	-67.1	-442.4	233.8	207.9	25.86	9.040			
5,700.0	5,659.5	5,689.4	5,660.1	15.8	14.8	0.14	-67.7	-445.4	233.2	207.1	26.17	8.913			
5,755.9	5,715.4	5,744.6	5,715.4	15.9	14.9	0.07	-67.7	-445.7	233.2	206.8	26.37	8.844			
5,800.0	5,759.5	5,788.8	5,759.5	16.0	15.0	0.07	-67.7	-445.7	233.2	206.6	26.53	8.788			
5,843.3	5,802.8	5,832.0	5,802.8	16.0	15.0	0.07	-67.7	-445.7	233.2	206.5	26.70	8.734			
5,850.0	5,809.5	5,838.8	5,809.5	16.1	15.0	-89.93	-67.7	-445.7	233.2	203.1	30.05	7.759			
5,864.6	5,824.1	5,853.3	5,824.1	16.1	15.1	-90.00	-67.7	-445.7	233.2	203.1	30.10	7.747			
5,900.0	5,859.5	5,888.7	5,859.5	16.1	15.1	-90.44	-67.7	-445.7	233.2	202.9	30.23	7.712			
5,950.0	5,909.2	5,938.7	5,909.4	16.1	15.2	-91.63	-67.7	-445.2	233.3	202.8	30.43	7.667			
6,000.0	5,958.4	5,989.0	5,959.6	16.2	15.3	-92.91	-67.7	-441.8	233.5	202.9	30.57	7.638			
6,050.0	6,007.0	6,039.7	6,009.9	16.2	15.3	-94.17	-67.7	-435.1	233.8	203.1	30.66	7.626			
6,100.0	6,054.7	6,090.8	6,059.9	16.1	15.3	-95.42	-67.7	-424.9	234.2	203.5	30.70	7.630			
6,150.0	6,101.4	6,142.2	6,109.5	16.1	15.3	-96.64	-67.7	-411.3	234.8	204.1	30.70	7.648			
6,200.0	6,146.7	6,193.9	6,158.3	16.1	15.3	-97.83	-67.7	-394.3	235.4	204.7	30.66	7.678			
6,250.0	6,190.6	6,246.1	6,206.3	16.0	15.3	-98.99	-67.7	-373.8	236.1	205.5	30.60	7.717			
6,300.0	6,232.8	6,298.6	6,253.0	16.0	15.2	-100.10	-67.7	-350.0	236.9	206.4	30.52	7.761			
6,350.0	6,273.2	6,351.4	6,298.3	15.9	15.2	-101.17	-67.7	-322.8	237.7	207.3	30.45	7.806			
6,400.0	6,311.5	6,404.6	6,341.9	15.9	15.2	-102.18	-67.7	-292.3	238.6	208.2	30.41	7.845			
6,450.0	6,347.7	6,458.1	6,383.5	15.9	15.3	-103.14	-67.7	-258.7	239.5	209.1	30.42	7.872			
6,500.0	6,381.6	6,511.9	6,422.9	15.9	15.4	-104.03	-67.7	-222.0	240.4	209.9	30.51	7.878			
6,550.0	6,413.0	6,566.1	6,459.8	16.0	15.5	-104.86	-67.7	-182.4	241.3	210.6	30.71	7.857			
6,600.0	6,441.7	6,620.5	6,494.0	16.1	15.7	-105.62	-67.7	-140.0	242.2	211.1	31.04	7.801			
6,650.0	6,467.7	6,675.2	6,525.2	16.4	16.1	-106.31	-67.7	-95.1	243.0	211.5	31.53	7.707			
6,700.0	6,490.9	6,730.1	6,553.2	16.7	16.5	-106.92	-67.7	-47.9	243.8	211.6	32.19	7.572			
6,750.0	6,511.1	6,785.3	6,577.9	17.2	17.0	-107.45	-67.7	1.4	244.4	211.4	33.05	7.397			
6,800.0	6,528.3	6,840.7	6,599.0	17.7	17.6	-107.91	-67.7	52.6	245.1	211.0	34.10	7.187			
6,850.0	6,542.4	6,896.2	6,616.4	18.4	18.4	-108.28	-67.7	105.3	245.6	210.2	35.34	6.949			
6,900.0	6,553.3	6,951.8	6,630.0	19.2	19.2	-108.57	-67.7	159.2	246.0	209.2	36.77	6.689			
6,950.0	6,561.0	7,007.6	6,639.6	20.0	20.1	-108.77	-67.7	214.1	246.3	207.9	38.38	6.417			
7,000.0	6,565.5	7,063.4	6,645.2	20.9	21.1	-108.90	-67.7	269.6	246.5	206.3	40.14	6.141			
7,047.8	6,566.7	7,116.7	6,646.7	21.8	22.1	-108.93	-67.7	323.0	246.5	204.6	41.93	5.879			
7,100.0	6,566.4	7,168.9	6,646.4	22.8	23.1	-108.93	-67.7	375.2	246.5	202.6	43.89	5.617			
7,200.0	6,565.8	7,268.9	6,645.8	24.9	25.2	-108.93	-67.7	475.2	246.5	198.7	47.85	5.152			
7,300.0	6,565.2	7,368.9	6,645.2	27.1	27.4	-108.93	-67.7	575.2	246.5	194.5	52.05	4.736			
7,400.0	6,564.6	7,468.9	6,644.6	29.4	29.7	-108.93	-67.7	675.2	246.5	190.1	56.45	4.367			
7,500.0	6,564.0	7,568.9	6,644.0	31.8	32.1	-108.93	-67.7	775.2	246.5	185.5	60.99	4.042			
7,600.0	6,563.4	7,668.9	6,643.4	34.3	34.6	-108.93	-67.7	875.2	246.5	180.9	65.66	3.754			
7,700.0	6,562.8	7,768.9	6,642.8	36.8	37.1	-108.93	-67.7	975.2	246.5	176.1	70.42	3.501			
7,800.0	6,562.3	7,868.9	6,642.2	39.4	39.6	-108.93	-67.7	1,075.2	246.5	171.3	75.25	3.276			
7,900.0	6,561.7	7,968.9	6,641.6	42.0	42.2	-108.93	-67.7	1,175.2	246.5	166.4	80.15	3.075			
8,000.0	6,561.1	8,068.9	6,641.0	44.6	44.8	-108.93	-67.7	1,275.1	246.5	161.4	85.11	2.897			
8,100.0	6,560.5	8,168.9	6,640.5	47.2	47.4	-108.93	-67.7	1,375.1	246.5	156.4	90.10	2.736			
8,200.0	6,559.9	8,268.9	6,639.9	49.9	50.1	-108.93	-67.7	1,475.1	246.5	151.4	95.13	2.591			

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



<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Bihain 26G-202
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Reference Site:</b>	Bihain 5N64W26GK Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bihain 26G-202	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 Extension (3-3-16)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Bihain 5N64W26GK Pad Sec.26-T5N-R64W - Bihain 26G-312 - Wellbore #1 - Plan #1 Extension (3-4-1)													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		
8,300.0	6,559.3	8,368.9	6,639.3	52.5	52.8	-108.93	-67.7	1,575.1	246.5	146.3	100.20	2.460		
8,400.0	6,558.7	8,468.9	6,638.7	55.2	55.4	-108.93	-67.7	1,675.1	246.5	141.2	105.29	2.341		
8,500.0	6,558.1	8,568.9	6,638.1	57.9	58.1	-108.93	-67.7	1,775.1	246.5	136.1	110.40	2.233		
8,600.0	6,557.5	8,668.9	6,637.5	60.6	60.8	-108.93	-67.7	1,875.1	246.5	131.0	115.53	2.134		
8,700.0	6,556.9	8,768.9	6,636.9	63.3	63.5	-108.93	-67.7	1,975.1	246.5	125.8	120.68	2.043		
8,800.0	6,556.3	8,868.9	6,636.3	66.0	66.3	-108.93	-67.7	2,075.1	246.5	120.7	125.85	1.959		
8,900.0	6,555.7	8,968.9	6,635.7	68.8	69.0	-108.93	-67.7	2,175.1	246.5	115.5	131.03	1.881		
9,000.0	6,555.1	9,068.9	6,635.1	71.5	71.7	-108.93	-67.7	2,275.1	246.5	110.3	136.22	1.810		
9,100.0	6,554.5	9,168.9	6,634.5	74.2	74.5	-108.93	-67.7	2,375.1	246.5	105.1	141.42	1.743		
9,200.0	6,553.9	9,268.9	6,633.9	77.0	77.2	-108.93	-67.7	2,475.1	246.5	99.9	146.63	1.681		
9,300.0	6,553.4	9,368.9	6,633.3	79.7	80.0	-108.93	-67.7	2,575.1	246.5	94.7	151.85	1.623		
9,400.0	6,552.8	9,468.9	6,632.7	82.5	82.7	-108.93	-67.7	2,675.1	246.5	89.4	157.08	1.569		
9,500.0	6,552.2	9,568.9	6,632.1	85.3	85.5	-108.93	-67.7	2,775.1	246.5	84.2	162.32	1.519		
9,600.0	6,551.6	9,668.9	6,631.6	88.0	88.2	-108.93	-67.7	2,875.1	246.5	78.9	167.56	1.471 Level 3		
9,700.0	6,551.0	9,768.9	6,631.0	90.8	91.0	-108.93	-67.7	2,975.1	246.5	73.7	172.80	1.427 Level 3		
9,800.0	6,550.4	9,868.9	6,630.4	93.6	93.8	-108.93	-67.7	3,075.1	246.5	68.4	178.05	1.384 Level 3		
9,900.0	6,549.8	9,968.9	6,629.8	96.3	96.5	-108.93	-67.7	3,175.1	246.5	63.2	183.31	1.345 Level 3		
10,000.0	6,549.2	10,068.9	6,629.2	99.1	99.3	-108.93	-67.7	3,275.1	246.5	57.9	188.57	1.307 Level 3		
10,100.0	6,548.6	10,168.9	6,628.6	101.9	102.1	-108.93	-67.7	3,375.1	246.5	52.7	193.84	1.272 Level 3		
10,200.0	6,548.0	10,268.9	6,628.0	104.6	104.9	-108.93	-67.7	3,475.1	246.5	47.4	199.10	1.238 Level 2		
10,300.0	6,547.4	10,368.9	6,627.4	107.4	107.6	-108.93	-67.7	3,575.1	246.5	42.1	204.38	1.206 Level 2		
10,400.0	6,546.8	10,468.9	6,626.8	110.2	110.4	-108.93	-67.7	3,675.1	246.5	36.9	209.65	1.176 Level 2		
10,500.0	6,546.2	10,568.9	6,626.2	113.0	113.2	-108.93	-67.7	3,775.1	246.5	31.6	214.93	1.147 Level 2		
10,600.0	6,545.6	10,668.9	6,625.6	115.8	116.0	-108.93	-67.7	3,875.1	246.5	26.3	220.21	1.119 Level 2		
10,700.0	6,545.0	10,768.9	6,625.0	118.5	118.8	-108.93	-67.7	3,975.1	246.5	21.0	225.49	1.093 Level 2		
10,800.0	6,544.5	10,868.9	6,624.4	121.3	121.5	-108.93	-67.7	4,075.1	246.5	15.7	230.78	1.068 Level 2		
10,900.0	6,543.9	10,968.9	6,623.8	124.1	124.3	-108.93	-67.7	4,175.1	246.5	10.4	236.06	1.044 Level 2		
11,000.0	6,543.3	11,068.9	6,623.2	126.9	127.1	-108.93	-67.7	4,275.1	246.5	5.1	241.35	1.021 Level 2		
11,100.0	6,542.7	11,168.9	6,622.6	129.7	129.9	-108.93	-67.7	4,375.1	246.5	-0.1	246.65	0.999 Level 1		
11,200.0	6,542.1	11,268.9	6,622.1	132.5	132.7	-108.93	-67.7	4,475.1	246.5	-5.4	251.94	0.978 Level 1		
11,300.0	6,541.5	11,368.9	6,621.5	135.3	135.5	-108.93	-67.7	4,575.1	246.5	-10.7	257.23	0.958 Level 1		
11,400.0	6,540.9	11,468.9	6,620.9	138.1	138.3	-108.93	-67.7	4,675.1	246.5	-16.0	262.53	0.939 Level 1		
11,500.0	6,540.3	11,568.9	6,620.3	140.8	141.1	-108.93	-67.7	4,775.1	246.5	-21.3	267.83	0.920 Level 1		
11,600.0	6,539.7	11,668.9	6,619.7	143.6	143.9	-108.93	-67.7	4,875.1	246.5	-26.6	273.13	0.903 Level 1		
11,700.0	6,539.1	11,768.9	6,619.1	146.4	146.6	-108.93	-67.7	4,975.1	246.5	-31.9	278.43	0.885 Level 1		
11,800.0	6,538.5	11,868.9	6,618.5	149.2	149.4	-108.93	-67.7	5,075.1	246.5	-37.2	283.73	0.869 Level 1		
11,900.0	6,537.9	11,968.9	6,617.9	152.0	152.2	-108.93	-67.7	5,175.1	246.5	-42.5	289.03	0.853 Level 1		
12,000.0	6,537.3	12,068.9	6,617.3	154.8	155.0	-108.93	-67.7	5,275.1	246.5	-47.8	294.34	0.837 Level 1		
12,100.0	6,536.7	12,168.9	6,616.7	157.6	157.8	-108.93	-67.7	5,375.1	246.5	-53.1	299.64	0.823 Level 1		
12,200.0	6,536.1	12,268.9	6,616.1	160.4	160.6	-108.93	-67.7	5,475.1	246.5	-58.4	304.95	0.808 Level 1		
12,300.0	6,535.5	12,368.9	6,615.5	163.2	163.4	-108.93	-67.7	5,575.1	246.5	-63.8	310.25	0.795 Level 1		
12,400.0	6,535.0	12,468.9	6,614.9	166.0	166.2	-108.93	-67.7	5,675.1	246.5	-69.1	315.56	0.781 Level 1		
12,500.0	6,534.4	12,568.9	6,614.3	168.8	169.0	-108.93	-67.7	5,775.1	246.5	-74.4	320.87	0.768 Level 1		
12,600.0	6,533.8	12,668.9	6,613.7	171.6	171.8	-108.93	-67.7	5,875.1	246.5	-79.7	326.18	0.756 Level 1		
12,700.0	6,533.2	12,768.9	6,613.2	174.4	174.6	-108.93	-67.7	5,975.1	246.5	-85.0	331.49	0.744 Level 1		
12,800.0	6,532.6	12,868.9	6,612.6	177.2	177.4	-108.93	-67.7	6,075.1	246.5	-90.3	336.80	0.732 Level 1		
12,900.0	6,532.0	12,968.9	6,612.0	180.0	180.2	-108.93	-67.7	6,175.1	246.5	-95.6	342.11	0.721 Level 1		
13,000.0	6,531.4	13,068.9	6,611.4	182.8	183.0	-108.93	-67.7	6,275.1	246.5	-100.9	347.43	0.709 Level 1		
13,100.0	6,530.8	13,168.9	6,610.8	185.6	185.8	-108.93	-67.7	6,375.1	246.5	-106.2	352.74	0.699 Level 1		
13,200.0	6,530.2	13,268.9	6,610.2	188.4	188.6	-108.93	-67.7	6,475.1	246.5	-111.6	358.05	0.688 Level 1		
13,300.0	6,529.6	13,368.9	6,609.6	191.2	191.4	-108.93	-67.7	6,575.1	246.5	-116.9	363.37	0.678 Level 1		

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

<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Bihain 26G-202
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Reference Site:</b>	Bihain 5N64W26GK Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bihain 26G-202	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 Extension (3-3-16)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Bihain 5N64W26GK Pad Sec.26-T5N-R64W - Bihain 26G-312 - Wellbore #1 - Plan #1 Extension (3-4-1)		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)						
13,400.0	6,529.0	13,468.9	6,609.0	194.0	194.2	-108.93	-67.7	6,675.1	246.5	-122.2	368.68	0.669	Level 1				
13,500.0	6,528.4	13,568.9	6,608.4	196.8	197.0	-108.93	-67.7	6,775.1	246.5	-127.5	374.00	0.659	Level 1				
13,600.0	6,527.8	13,668.9	6,607.8	199.6	199.8	-108.93	-67.7	6,875.1	246.5	-132.8	379.31	0.650	Level 1				
13,700.0	6,527.2	13,768.9	6,607.2	202.4	202.6	-108.93	-67.7	6,975.0	246.5	-138.1	384.63	0.641	Level 1				
13,800.0	6,526.7	13,868.9	6,606.6	205.2	205.4	-108.93	-67.7	7,075.0	246.5	-143.4	389.95	0.632	Level 1				
13,900.0	6,526.1	13,968.9	6,606.0	208.0	208.2	-108.93	-67.7	7,175.0	246.5	-148.8	395.26	0.624	Level 1				
14,000.0	6,525.5	14,068.9	6,605.4	210.8	211.0	-108.93	-67.7	7,275.0	246.5	-154.1	400.58	0.615	Level 1				
14,100.0	6,524.9	14,168.9	6,604.8	213.6	213.8	-108.93	-67.7	7,375.0	246.5	-159.4	405.90	0.607	Level 1				
14,200.0	6,524.3	14,268.9	6,604.3	216.4	216.6	-108.93	-67.7	7,475.0	246.5	-164.7	411.22	0.599	Level 1				
14,300.0	6,523.7	14,368.9	6,603.7	219.2	219.4	-108.93	-67.7	7,575.0	246.5	-170.0	416.54	0.592	Level 1				
14,400.0	6,523.1	14,468.9	6,603.1	222.0	222.2	-108.93	-67.7	7,675.0	246.5	-175.4	421.86	0.584	Level 1				
14,500.0	6,522.5	14,568.9	6,602.5	224.8	225.0	-108.93	-67.7	7,775.0	246.5	-180.7	427.18	0.577	Level 1				
14,600.0	6,521.9	14,668.9	6,601.9	227.6	227.8	-108.93	-67.7	7,875.0	246.5	-186.0	432.50	0.570	Level 1				
14,700.0	6,521.3	14,768.9	6,601.3	230.4	230.6	-108.93	-67.7	7,975.0	246.5	-191.3	437.82	0.563	Level 1				
14,800.0	6,520.7	14,868.9	6,600.7	233.2	233.4	-108.93	-67.7	8,075.0	246.5	-196.6	443.14	0.556	Level 1				
14,900.0	6,520.1	14,968.9	6,600.1	236.0	236.2	-108.93	-67.7	8,175.0	246.5	-202.0	448.46	0.550	Level 1				
15,000.0	6,519.5	15,068.9	6,599.5	238.8	239.0	-108.93	-67.7	8,275.0	246.5	-207.3	453.78	0.543	Level 1				
15,100.0	6,518.9	15,168.9	6,598.9	241.6	241.8	-108.93	-67.7	8,375.0	246.5	-212.6	459.10	0.537	Level 1				
15,200.0	6,518.3	15,268.9	6,598.3	244.4	244.6	-108.93	-67.7	8,475.0	246.5	-217.9	464.42	0.531	Level 1				
15,300.0	6,517.8	15,368.9	6,597.7	247.2	247.4	-108.93	-67.7	8,575.0	246.5	-223.3	469.75	0.525	Level 1				
15,400.0	6,517.2	15,468.9	6,597.1	250.0	250.2	-108.93	-67.7	8,675.0	246.5	-228.6	475.07	0.519	Level 1				
15,500.0	6,516.6	15,568.9	6,596.5	252.8	253.0	-108.93	-67.7	8,775.0	246.5	-233.9	480.39	0.513	Level 1				
15,600.0	6,516.0	15,668.9	6,595.9	255.6	255.8	-108.93	-67.7	8,875.0	246.5	-239.2	485.71	0.507	Level 1				
15,700.0	6,515.4	15,768.9	6,595.4	258.4	258.7	-108.93	-67.7	8,975.0	246.5	-244.5	491.04	0.502	Level 1				
15,800.0	6,514.8	15,868.9	6,594.8	261.2	261.5	-108.93	-67.7	9,075.0	246.5	-249.9	496.36	0.497	Level 1				
15,900.0	6,514.2	15,968.9	6,594.2	264.1	264.3	-108.93	-67.7	9,175.0	246.5	-255.2	501.68	0.491	Level 1				
16,000.0	6,513.6	16,068.9	6,593.6	266.9	267.1	-108.93	-67.7	9,275.0	246.5	-260.5	507.01	0.486	Level 1				
16,100.0	6,513.0	16,168.9	6,593.0	269.7	269.9	-108.93	-67.7	9,375.0	246.5	-265.8	512.33	0.481	Level 1				
16,200.0	6,512.4	16,268.9	6,592.4	272.5	272.7	-108.93	-67.7	9,475.0	246.5	-271.2	517.66	0.476	Level 1				
16,249.7	6,512.1	16,318.6	6,592.1	273.9	274.1	-108.93	-67.7	9,524.7	246.5	-273.8	520.30	0.474	Level 1				
16,269.0	6,512.0	16,334.1	6,592.0	274.4	274.5	-108.93	-67.7	9,540.1	246.5	-274.7	521.23	0.473	Level 1, ES, SF				

<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Bihain 26G-202
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Reference Site:</b>	Bihain 5N64W26GK Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bihain 26G-202	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 Extension (3-3-16)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> 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						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)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
7,600.0	6,563.4	6,533.4	6,533.4	34.3	130.7	-90.31	393.9	1,499.1	934.1	769.2	164.95	5.663		
7,700.0	6,562.8	6,532.8	6,532.8	36.8	130.7	-90.26	393.9	1,499.1	870.4	703.0	167.44	5.198		
7,800.0	6,562.3	6,532.3	6,532.3	39.4	130.6	-90.21	393.9	1,499.1	814.1	644.1	169.98	4.789		
7,900.0	6,561.7	6,531.7	6,531.7	42.0	130.6	-90.16	393.9	1,499.1	766.8	594.2	172.55	4.444		
8,000.0	6,561.1	6,531.1	6,531.1	44.6	130.6	-90.11	393.9	1,499.1	730.1	554.9	175.15	4.168		
8,100.0	6,560.5	6,530.5	6,530.5	47.2	130.6	-90.06	393.9	1,499.1	705.8	528.0	177.77	3.970		
8,200.0	6,559.9	6,529.9	6,529.9	49.9	130.6	-90.01	393.9	1,499.1	695.2	514.8	180.41	3.853		
8,224.4	6,559.7	6,529.7	6,529.7	50.5	130.6	-90.00	393.9	1,499.1	694.8	513.7	181.06	3.837 CC, ES		
8,300.0	6,559.3	6,529.3	6,529.3	52.5	130.6	-89.96	393.9	1,499.1	698.9	515.8	183.07	3.817 SF		
8,400.0	6,558.7	6,528.7	6,528.7	55.2	130.6	-89.91	393.9	1,499.1	716.6	530.9	185.74	3.858		
8,500.0	6,558.1	6,528.1	6,528.1	57.9	130.6	-89.87	393.9	1,499.1	747.4	559.0	188.43	3.967		
8,600.0	6,557.5	6,527.5	6,527.5	60.6	130.6	-89.82	393.9	1,499.1	789.8	598.7	191.12	4.132		
8,700.0	6,556.9	6,526.9	6,526.9	63.3	130.5	-89.77	393.9	1,499.1	842.0	648.1	193.82	4.344		
8,800.0	6,556.3	6,526.3	6,526.3	66.0	130.5	-89.72	393.9	1,499.1	902.2	705.7	196.53	4.591		
8,900.0	6,555.7	6,525.7	6,525.7	68.8	130.5	-89.67	393.9	1,499.1	969.1	769.8	199.25	4.864		

<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Bihain 26G-202
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Reference Site:</b>	Bihain 5N64W26GK Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bihain 26G-202	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 Extension (3-3-16)	<b>Offset TVD Reference:</b>	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	
0.0	0.0	0.0	0.0	0.0	0.0	24.76	414.9	191.4	457.8				
100.0	100.0	72.0	72.0	0.1	1.4	24.76	414.9	191.4	457.0	455.4	1.55	294.330	
200.0	200.0	172.0	172.0	0.3	3.4	24.76	414.9	191.4	457.0	453.2	3.78	120.977	
300.0	300.0	272.0	272.0	0.6	5.4	24.76	414.9	191.4	457.0	451.0	6.00	76.135	
400.0	400.0	372.0	372.0	0.8	7.4	24.76	414.9	191.4	457.0	448.7	8.23	55.546	
500.0	500.0	472.0	472.0	1.0	9.4	24.76	414.9	191.4	457.0	446.5	10.45	43.723	
600.0	600.0	572.0	572.0	1.2	11.4	24.76	414.9	191.4	457.0	444.3	12.68	36.049	
700.0	700.0	672.0	672.0	1.5	13.4	24.76	414.9	191.4	457.0	442.1	14.90	30.667	
800.0	800.0	772.0	772.0	1.7	15.4	24.76	414.9	191.4	457.0	439.8	17.13	26.683	
900.0	900.0	872.0	872.0	1.9	17.4	24.76	414.9	191.4	457.0	437.6	19.35	23.615	
1,000.0	1,000.0	972.0	972.0	2.1	19.4	24.76	414.9	191.4	457.0	435.4	21.58	21.180	
1,100.0	1,100.0	1,072.0	1,072.0	2.4	21.4	24.76	414.9	191.4	457.0	433.2	23.80	19.200	
1,200.0	1,200.0	1,172.0	1,172.0	2.6	23.4	24.76	414.9	191.4	457.0	430.9	26.02	17.559	
1,300.0	1,300.0	1,272.0	1,272.0	2.8	25.4	24.76	414.9	191.4	457.0	428.7	28.25	16.176	
1,400.0	1,400.0	1,372.0	1,372.0	3.0	27.4	24.76	414.9	191.4	457.0	426.5	30.47	14.995 CC	
1,500.0	1,500.0	1,472.0	1,472.0	3.2	29.4	148.85	414.9	191.4	458.1	425.4	32.67	14.022 ES	
1,600.0	1,599.9	1,571.9	1,571.9	3.4	31.4	149.07	414.9	191.4	461.5	426.6	34.83	13.250	
1,700.0	1,699.7	1,671.7	1,671.7	3.6	33.4	149.44	414.9	191.4	467.1	430.1	36.97	12.635	
1,800.0	1,799.3	1,771.3	1,771.3	3.8	35.4	149.94	414.9	191.4	475.0	435.9	39.08	12.153	
1,900.0	1,898.6	1,870.6	1,870.6	4.1	37.4	150.56	414.9	191.4	485.2	444.0	41.17	11.785	
2,004.8	2,002.2	1,974.2	1,974.2	4.3	39.5	151.32	414.9	191.4	498.4	455.1	43.33	11.505	
2,100.0	2,096.3	2,068.3	2,068.3	4.6	41.4	152.12	414.9	191.4	511.7	466.3	45.39	11.273	
2,200.0	2,195.0	2,167.0	2,167.0	4.9	43.3	152.92	414.9	191.4	525.7	478.2	47.57	11.052	
2,300.0	2,293.8	2,265.8	2,265.8	5.2	45.3	153.68	414.9	191.4	539.8	490.1	49.75	10.851	
2,400.0	2,392.5	2,364.5	2,364.5	5.5	47.3	154.40	414.9	191.4	554.1	502.1	51.93	10.669	
2,500.0	2,491.3	2,463.3	2,463.3	5.8	49.3	155.09	414.9	191.4	568.3	514.2	54.12	10.502	
2,600.0	2,590.0	2,562.0	2,562.0	6.1	51.2	155.74	414.9	191.4	582.7	526.4	56.30	10.349	
2,700.0	2,688.8	2,660.8	2,660.8	6.4	53.2	156.36	414.9	191.4	597.2	538.7	58.49	10.209	
2,800.0	2,787.5	2,759.5	2,759.5	6.8	55.2	156.95	414.9	191.4	611.7	551.0	60.68	10.080	
2,900.0	2,886.3	2,858.3	2,858.3	7.1	57.2	157.52	414.9	191.4	626.2	563.4	62.87	9.960	
3,000.0	2,985.0	2,957.0	2,957.0	7.5	59.1	158.05	414.9	191.4	640.8	575.8	65.06	9.850	
3,100.0	3,083.8	3,055.8	3,055.8	7.8	61.1	158.57	414.9	191.4	655.5	588.3	67.26	9.747	
3,200.0	3,182.5	3,154.5	3,154.5	8.2	63.1	159.06	414.9	191.4	670.2	600.8	69.45	9.651	
3,300.0	3,281.3	3,253.3	3,253.3	8.5	65.1	159.53	414.9	191.4	685.0	613.4	71.64	9.562	
3,400.0	3,380.0	3,352.0	3,352.0	8.9	67.0	159.98	414.9	191.4	699.8	626.0	73.83	9.479	
3,500.0	3,478.8	3,450.8	3,450.8	9.2	69.0	160.41	414.9	191.4	714.7	638.7	76.03	9.401	
3,600.0	3,577.5	3,549.5	3,549.5	9.6	71.0	160.83	414.9	191.4	729.6	651.4	78.22	9.327	
3,700.0	3,676.3	3,648.3	3,648.3	9.9	73.0	161.23	414.9	191.4	744.5	664.1	80.41	9.259	
3,800.0	3,775.0	3,747.0	3,747.0	10.3	74.9	161.61	414.9	191.4	759.5	676.9	82.61	9.194	
3,900.0	3,873.8	3,845.8	3,845.8	10.7	76.9	161.98	414.9	191.4	774.5	689.7	84.80	9.133	
4,000.0	3,972.5	3,944.5	3,944.5	11.0	78.9	162.33	414.9	191.4	789.5	702.5	87.00	9.075	
4,100.0	4,071.3	4,043.3	4,043.3	11.4	80.9	162.67	414.9	191.4	804.5	715.4	89.19	9.021	
4,200.0	4,170.0	4,142.0	4,142.0	11.8	82.8	163.00	414.9	191.4	819.6	728.2	91.38	8.969	
4,300.0	4,268.8	4,240.8	4,240.8	12.1	84.8	163.31	414.9	191.4	834.7	741.2	93.58	8.920	
4,400.0	4,367.5	4,339.5	4,339.5	12.5	86.8	163.62	414.9	191.4	849.9	754.1	95.77	8.874	
4,500.0	4,466.3	4,438.3	4,438.3	12.9	88.8	163.91	414.9	191.4	865.0	767.0	97.97	8.830	
4,600.0	4,565.0	4,537.0	4,537.0	13.2	90.7	164.20	414.9	191.4	880.2	780.0	100.16	8.788	
4,700.0	4,663.8	4,635.8	4,635.8	13.6	92.7	164.47	414.9	191.4	895.4	793.0	102.36	8.748	
4,800.0	4,762.5	4,734.5	4,734.5	14.0	94.7	164.74	414.9	191.4	910.6	806.0	104.55	8.709	
4,886.9	4,848.3	4,820.3	4,820.3	14.3	96.4	164.96	414.9	191.4	923.8	817.4	106.46	8.678	
4,900.0	4,861.3	4,833.3	4,833.3	14.4	96.7	165.00	414.9	191.4	925.8	819.0	106.81	8.668	

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

<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Bihain 26G-202
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Reference Site:</b>	Bihain 5N64W26GK Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bihain 26G-202	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 Extension (3-3-16)	<b>Offset TVD Reference:</b>	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	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)			
5,000.0	4,960.3	4,932.3	4,932.3	14.6	98.6	165.29	414.9	191.4	938.9	829.5	109.42	8.581		
5,100.0	5,059.8	5,031.8	5,031.8	14.8	100.6	165.49	414.9	191.4	948.7	836.8	111.93	8.477		
5,200.0	5,159.6	5,131.6	5,131.6	15.0	102.6	165.62	414.9	191.4	955.2	840.9	114.31	8.356		
5,300.0	5,259.5	5,231.5	5,231.5	15.2	104.6	165.68	414.9	191.4	958.2	841.7	116.58	8.220		
5,340.5	5,300.0	5,272.0	5,272.0	15.3	105.4	41.68	414.9	191.4	958.5	838.0	120.53	7.952		
5,400.0	5,359.5	5,331.5	5,331.5	15.4	106.6	41.68	414.9	191.4	958.5	836.7	121.81	7.869		
5,500.0	5,459.5	5,431.5	5,431.5	15.5	108.6	41.68	414.9	191.4	958.5	834.5	123.97	7.732		
5,600.0	5,559.5	5,531.5	5,531.5	15.7	110.6	41.68	414.9	191.4	958.5	832.4	126.12	7.600		
5,700.0	5,659.5	5,631.5	5,631.5	15.8	112.6	41.68	414.9	191.4	958.5	830.2	128.28	7.472		
5,800.0	5,759.5	5,731.5	5,731.5	16.0	114.6	41.68	414.9	191.4	958.5	828.1	130.44	7.349		
5,843.3	5,802.8	5,774.8	5,774.8	16.0	115.5	41.68	414.9	191.4	958.5	827.1	131.37	7.296		
5,850.0	5,809.5	5,781.5	5,781.5	16.1	115.6	-48.32	414.9	191.4	958.5	829.9	128.62	7.452		
5,900.0	5,859.5	5,831.5	5,831.5	16.1	116.6	-48.49	414.9	191.4	957.1	827.6	129.50	7.391		
5,950.0	5,909.2	5,881.2	5,881.2	16.1	117.6	-48.93	414.9	191.4	953.6	823.4	130.15	7.327		
6,000.0	5,958.4	5,930.4	5,930.4	16.2	118.6	-49.64	414.9	191.4	947.9	817.4	130.57	7.260		
6,050.0	6,007.0	5,979.0	5,979.0	16.2	119.6	-50.63	414.9	191.4	940.2	809.4	130.83	7.187		
6,100.0	6,054.7	6,026.7	6,026.7	16.1	120.5	-51.89	414.9	191.4	930.6	799.7	130.97	7.106		
6,150.0	6,101.4	6,073.4	6,073.4	16.1	121.5	-53.44	414.9	191.4	919.2	788.2	131.07	7.013		
6,200.0	6,146.7	6,118.7	6,118.7	16.1	122.4	-55.27	414.9	191.4	906.2	774.9	131.24	6.905		
6,250.0	6,190.6	6,162.6	6,162.6	16.0	123.3	-57.38	414.9	191.4	891.7	760.1	131.56	6.778		
6,300.0	6,232.8	6,204.8	6,204.8	16.0	124.1	-59.76	414.9	191.4	876.0	743.9	132.12	6.630		
6,350.0	6,273.2	6,245.2	6,245.2	15.9	124.9	-62.38	414.9	191.4	859.3	726.4	132.98	6.462		
6,400.0	6,311.5	6,283.5	6,283.5	15.9	125.7	-65.20	414.9	191.4	842.0	707.8	134.18	6.275		
6,450.0	6,347.7	6,319.7	6,319.7	15.9	126.4	-68.18	414.9	191.4	824.4	688.7	135.70	6.075		
6,500.0	6,381.6	6,353.6	6,353.6	15.9	127.1	-71.26	414.9	191.4	806.8	669.3	137.45	5.870		
6,550.0	6,413.0	6,385.0	6,385.0	16.0	127.7	-74.35	414.9	191.4	789.6	650.2	139.34	5.666		
6,600.0	6,441.7	6,413.7	6,413.7	16.1	128.3	-77.38	414.9	191.4	773.2	632.0	141.26	5.474		
6,650.0	6,467.7	6,439.7	6,439.7	16.4	128.8	-80.26	414.9	191.4	758.1	615.0	143.08	5.298		
6,700.0	6,490.9	6,462.9	6,462.9	16.7	129.3	-82.90	414.9	191.4	744.7	600.0	144.74	5.145		
6,750.0	6,511.1	6,483.1	6,483.1	17.2	129.7	-85.23	414.9	191.4	733.4	587.2	146.20	5.016		
6,800.0	6,528.3	6,500.3	6,500.3	17.7	130.0	-87.18	414.9	191.4	724.7	577.2	147.48	4.914		
6,850.0	6,542.4	6,514.4	6,514.4	18.4	130.3	-88.70	414.9	191.4	718.8	570.1	148.61	4.836		
6,900.0	6,553.3	6,525.3	6,525.3	19.2	130.5	-89.76	414.9	191.4	716.0	566.4	149.66	4.784		
6,916.1	6,556.2	6,528.2	6,528.2	19.4	130.6	-90.00	414.9	191.4	715.8	565.9	149.99	4.773		
6,950.0	6,561.0	6,533.0	6,533.0	20.0	130.7	-90.33	414.9	191.4	716.6	566.0	150.65	4.757		
7,000.0	6,565.5	6,537.5	6,537.5	20.9	130.8	-90.38	414.9	191.4	720.7	569.0	151.64	4.753 SF		
7,047.8	6,566.7	6,538.7	6,538.7	21.8	130.8	-89.94	414.9	191.4	727.7	575.2	152.55	4.770		
7,100.0	6,566.4	6,538.4	6,538.4	22.8	130.8	-89.91	414.9	191.4	738.9	585.4	153.57	4.812		
7,200.0	6,565.8	6,537.8	6,537.8	24.9	130.8	-89.87	414.9	191.4	769.9	614.2	155.64	4.946		
7,300.0	6,565.2	6,537.2	6,537.2	27.1	130.7	-89.82	414.9	191.4	812.0	654.1	157.84	5.144		
7,400.0	6,564.6	6,536.6	6,536.6	29.4	130.7	-89.77	414.9	191.4	863.7	703.6	160.15	5.393		
7,500.0	6,564.0	6,536.0	6,536.0	31.8	130.7	-89.72	414.9	191.4	923.4	760.8	162.53	5.681		
7,600.0	6,563.4	6,535.4	6,535.4	34.3	130.7	-89.68	414.9	191.4	989.6	824.6	164.98	5.998		

<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Bihain 26G-202
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Reference Site:</b>	Bihain 5N64W26GK Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bihain 26G-202	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 Extension (3-3-16)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> Existing Wells Pad Sec.26-T5N-R64W - Monfort Kuner B 26-7 (Exist.) - Wellbore #1 - Wellbore #1												<b>Offset Site Error:</b>	0.0 ft
Survey Program: 7312-UNKNOWN												<b>Offset Well Error:</b>	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	
8,900.0	6,555.7	6,521.7	6,521.7	68.8	130.4	-90.31	421.3	2,826.8	973.0	773.9	199.17	4.885	
9,000.0	6,555.1	6,521.1	6,521.1	71.5	130.4	-90.26	421.3	2,826.8	909.1	707.2	201.90	4.503	
9,100.0	6,554.5	6,520.5	6,520.5	74.2	130.4	-90.21	421.3	2,826.8	852.0	647.4	204.63	4.164	
9,200.0	6,553.9	6,519.9	6,519.9	77.0	130.4	-90.17	421.3	2,826.8	803.5	596.1	207.36	3.875	
9,300.0	6,553.4	6,519.4	6,519.4	79.7	130.4	-90.12	421.3	2,826.8	764.9	554.8	210.10	3.641	
9,400.0	6,552.8	6,518.8	6,518.8	82.5	130.4	-90.07	421.3	2,826.8	738.0	525.2	212.84	3.468	
9,500.0	6,552.2	6,518.2	6,518.2	85.3	130.4	-90.02	421.3	2,826.8	724.1	508.5	215.59	3.359	
9,552.1	6,551.9	6,517.9	6,517.9	86.7	130.4	-90.00	421.3	2,826.8	722.2	505.2	217.02	3.328 CC, ES	
9,600.0	6,551.6	6,517.6	6,517.6	88.0	130.4	-89.98	421.3	2,826.8	723.8	505.4	218.34	3.315 SF	
9,700.0	6,551.0	6,517.0	6,517.0	90.8	130.3	-89.93	421.3	2,826.8	737.2	516.1	221.09	3.334	
9,800.0	6,550.4	6,516.4	6,516.4	93.6	130.3	-89.88	421.3	2,826.8	763.6	539.7	223.85	3.411	
9,900.0	6,549.8	6,515.8	6,515.8	96.3	130.3	-89.84	421.3	2,826.8	801.6	575.0	226.61	3.537	
10,000.0	6,549.2	6,515.2	6,515.2	99.1	130.3	-89.79	421.3	2,826.8	849.8	620.4	229.36	3.705	
10,100.0	6,548.6	6,514.6	6,514.6	101.9	130.3	-89.74	421.3	2,826.8	906.5	674.4	232.13	3.905	
10,200.0	6,548.0	6,514.0	6,514.0	104.6	130.3	-89.69	421.3	2,826.8	970.2	735.3	234.89	4.130	

<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Bihain 26G-202
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Reference Site:</b>	Bihain 5N64W26GK Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bihain 26G-202	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 Extension (3-3-16)	<b>Offset TVD Reference:</b>	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: 100-NS-GYRO-MS													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	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
10,100.0	6,548.6	6,557.7	6,556.8	101.9	13.2	-94.14	380.2	4,070.7	974.9	860.1	114.80	8.492		
10,200.0	6,548.0	6,550.5	6,549.6	104.6	13.2	-93.54	380.2	4,071.2	906.2	788.6	117.62	7.705		
10,300.0	6,547.4	6,543.2	6,542.4	107.4	13.2	-92.93	380.2	4,071.7	843.7	723.3	120.44	7.006		
10,400.0	6,546.8	6,536.0	6,535.2	110.2	13.2	-92.33	380.2	4,072.1	789.0	665.7	123.25	6.402		
10,500.0	6,546.2	6,529.5	6,528.7	113.0	13.1	-91.79	380.2	4,072.6	743.6	617.6	126.04	5.900		
10,600.0	6,545.6	6,523.3	6,522.4	115.8	13.1	-91.26	380.2	4,073.0	709.5	580.6	128.83	5.507		
10,700.0	6,545.0	6,517.0	6,516.2	118.5	13.1	-90.73	380.2	4,073.4	688.2	556.6	131.62	5.229		
10,799.2	6,544.5	6,510.8	6,510.0	121.3	13.1	-90.21	380.2	4,073.8	681.1	546.7	134.37	5.069	CC	
10,800.0	6,544.5	6,510.7	6,509.9	121.3	13.1	-90.21	380.2	4,073.8	681.1	546.7	134.39	5.068	ES	
10,900.0	6,543.9	6,504.5	6,503.7	124.1	13.1	-89.69	380.2	4,074.2	688.5	551.3	137.16	5.020	SF	
11,000.0	6,543.3	6,500.0	6,499.2	126.9	13.1	-89.31	380.2	4,074.5	709.9	570.0	139.92	5.074		
11,100.0	6,542.7	6,492.0	6,491.2	129.7	13.0	-88.64	380.3	4,075.0	744.3	601.6	142.66	5.217		
11,200.0	6,542.1	6,486.0	6,485.2	132.5	13.0	-88.13	380.3	4,075.4	789.8	644.4	145.39	5.432		
11,300.0	6,541.5	6,480.2	6,479.4	135.3	13.0	-87.65	380.4	4,075.8	844.7	696.6	148.12	5.703		
11,400.0	6,540.9	6,474.5	6,473.8	138.1	13.0	-87.18	380.4	4,076.1	907.3	756.5	150.84	6.015		
11,500.0	6,540.3	6,469.1	6,468.4	140.8	13.0	-86.72	380.5	4,076.5	976.2	822.6	153.55	6.357		

<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Bihain 26G-202
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Reference Site:</b>	Bihain 5N64W26GK Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bihain 26G-202	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 Extension (3-3-16)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b>													Offset Site Error:	0.0 ft
Survey Program: 181-Reference													Offset Well Error:	0.0 ft
Kuner 8-2-25 Pad Sec.25-T5N-R64W - Kuner 32-25 - Wellbore #1 - Wellbore #1														
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
14,100.0	6,524.9	6,854.5	6,506.1	213.6	37.8	-91.24	402.2	8,047.2	973.1	724.0	249.08	3.907		
14,200.0	6,524.3	6,851.1	6,502.8	216.4	37.8	-90.97	402.2	8,047.3	906.8	655.0	251.90	3.600		
14,300.0	6,523.7	6,847.9	6,499.5	219.2	37.8	-90.70	402.1	8,047.4	847.2	592.5	254.70	3.326		
14,400.0	6,523.1	6,844.7	6,496.3	222.0	37.8	-90.44	402.1	8,047.5	795.8	538.3	257.51	3.090		
14,500.0	6,522.5	6,841.5	6,493.1	224.8	37.8	-90.18	402.1	8,047.6	754.1	493.8	260.31	2.897		
14,600.0	6,521.9	6,838.3	6,489.9	227.6	37.8	-89.92	402.0	8,047.6	723.9	460.8	263.10	2.751		
14,700.0	6,521.3	6,835.2	6,486.8	230.4	37.8	-89.67	402.0	8,047.7	706.7	440.8	265.89	2.658		
14,773.3	6,520.9	6,832.9	6,484.6	232.5	37.8	-89.49	402.0	8,047.8	702.9	435.0	267.94	2.623 CC		
14,800.0	6,520.7	6,832.1	6,483.8	233.2	37.8	-89.42	402.0	8,047.8	703.4	434.7	268.68	2.618 ES, SF		
14,900.0	6,520.1	6,829.1	6,480.7	236.0	37.8	-89.17	402.0	8,047.9	714.2	442.8	271.46	2.631		
15,000.0	6,519.5	6,826.1	6,477.7	238.8	37.8	-88.93	401.9	8,048.0	738.5	464.3	274.24	2.693		
15,100.0	6,518.9	6,823.1	6,474.8	241.6	37.8	-88.69	401.9	8,048.0	775.1	498.1	277.01	2.798		
15,200.0	6,518.3	6,820.2	6,471.8	244.4	37.8	-88.45	401.9	8,048.1	822.2	542.4	279.78	2.939		
15,300.0	6,517.8	6,817.3	6,468.9	247.2	37.8	-88.21	401.9	8,048.2	878.2	595.7	282.54	3.108		
15,400.0	6,517.2	6,814.4	6,466.1	250.0	37.8	-87.98	401.8	8,048.2	941.5	656.2	285.30	3.300		



<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Bihain 26G-202
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Reference Site:</b>	Bihain 5N64W26GK Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bihain 26G-202	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 Extension (3-3-16)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b>													<b>Offset Site Error:</b>	0.0 ft
Survey Program: 92-Reference													<b>Offset Well Error:</b>	0.0 ft
Kuner 8-2-25 Pad Sec.25-T5N-R64W - Kuner 42-25 - Wellbore #1 - Wellbore #1														
Measured Depth (ft)	Vertical Depth (ft)	Offset		Semi Major Axis			Distance						Warning	
		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		
15,400.0	6,517.2	6,573.9	6,486.9	250.0	19.9	-90.23	414.8	9,355.5	987.9	721.7	266.20	3.711		
15,500.0	6,516.6	6,573.1	6,486.2	252.8	19.9	-90.17	414.8	9,355.5	921.8	652.8	269.00	3.427		
15,600.0	6,516.0	6,572.4	6,485.5	255.6	19.9	-90.11	414.8	9,355.5	862.3	590.5	271.80	3.173		
15,700.0	6,515.4	6,571.7	6,484.8	258.4	19.9	-90.05	414.8	9,355.5	810.8	536.2	274.61	2.953		
15,800.0	6,514.8	6,571.0	6,484.0	261.2	19.9	-89.99	414.8	9,355.5	768.9	491.5	277.41	2.772		
15,900.0	6,514.2	6,570.3	6,483.3	264.1	19.9	-89.94	414.8	9,355.5	738.2	458.0	280.21	2.635		
16,000.0	6,513.6	6,569.5	6,482.6	266.9	19.9	-89.88	414.8	9,355.5	720.3	437.3	283.01	2.545		
16,081.0	6,513.1	6,569.0	6,482.0	269.1	19.9	-89.83	414.8	9,355.5	715.7	430.4	285.28	2.509 CC		
16,100.0	6,513.0	6,568.8	6,481.9	269.7	19.9	-89.82	414.8	9,355.5	715.9	430.1	285.81	2.505 ES, SF		
16,200.0	6,512.4	6,568.1	6,481.2	272.5	19.9	-89.76	414.8	9,355.5	725.5	436.9	288.62	2.514		
16,269.0	6,512.0	6,567.6	6,480.7	274.4	19.9	-89.72	414.8	9,355.5	740.0	449.4	290.55	2.547		

<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Bihain 26G-202
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Reference Site:</b>	Bihain 5N64W26GK Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bihain 26G-202	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 Extension (3-3-16)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 92-Reference													Offset Well Error:	0.0 ft
Measured Depth (ft)		Vertical Depth (ft)		Offset		Semi Major Axis		Distance		Warning				
Reference	Offset	Reference	Offset	Reference	Offset	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,500.0	6,522.5	6,798.3	6,502.5	224.8	32.7	-96.44	-161.5	8,746.5	982.0	733.9	248.05	3.959		
14,600.0	6,521.9	6,796.8	6,501.0	227.6	32.7	-95.83	-161.5	8,746.5	883.1	632.0	251.07	3.517		
14,700.0	6,521.3	6,795.3	6,499.4	230.4	32.7	-95.21	-161.5	8,746.5	784.5	530.4	254.07	3.088		
14,800.0	6,520.7	6,793.8	6,497.9	233.2	32.7	-94.58	-161.5	8,746.6	686.4	429.3	257.06	2.670		
14,900.0	6,520.1	6,792.2	6,496.3	236.0	32.7	-93.95	-161.5	8,746.6	588.8	328.8	260.02	2.264		
15,000.0	6,519.5	6,790.6	6,494.8	238.8	32.7	-93.29	-161.5	8,746.6	492.2	229.3	262.96	1.872		
15,100.0	6,518.9	6,789.0	6,493.1	241.6	32.7	-92.63	-161.5	8,746.6	397.3	131.5	265.88	1.494	Level 3	
15,200.0	6,518.3	6,787.4	6,491.5	244.4	32.7	-91.96	-161.5	8,746.6	305.7	37.0	268.76	1.138	Level 2	
15,300.0	6,517.8	6,785.7	6,489.8	247.2	32.7	-91.28	-161.5	8,746.6	221.5	-50.1	271.62	0.815	Level 1	
15,400.0	6,517.2	6,784.0	6,488.1	250.0	32.7	-90.58	-161.5	8,746.7	157.0	-117.5	274.44	0.572	Level 1	
15,472.1	6,516.7	6,782.8	6,486.9	252.1	32.7	-90.07	-161.5	8,746.7	139.4	-137.0	276.45	0.504	Level 1, CC, ES, SF	
15,500.0	6,516.6	6,782.3	6,486.4	252.8	32.7	-89.87	-161.5	8,746.7	142.2	-135.1	277.22	0.513	Level 1	
15,600.0	6,516.0	6,780.5	6,484.7	255.6	32.6	-89.15	-161.5	8,746.7	189.2	-90.8	279.96	0.676	Level 1	
15,700.0	6,515.4	6,778.8	6,482.9	258.4	32.6	-88.42	-161.5	8,746.7	267.1	-15.6	282.66	0.945	Level 1	
15,800.0	6,514.8	6,776.9	6,481.1	261.2	32.6	-87.68	-161.5	8,746.7	356.2	70.9	285.31	1.249	Level 2	
15,900.0	6,514.2	6,775.1	6,479.2	264.1	32.6	-86.92	-161.5	8,746.8	449.9	162.0	287.92	1.563		
16,000.0	6,513.6	6,773.2	6,477.4	266.9	32.6	-86.16	-161.5	8,746.8	545.9	255.4	290.46	1.879		
16,100.0	6,513.0	6,771.3	6,475.5	269.7	32.6	-85.38	-161.5	8,746.8	643.1	350.1	292.95	2.195		
16,200.0	6,512.4	6,770.0	6,474.1	272.5	32.6	-84.84	-161.5	8,746.8	741.0	445.5	295.51	2.508		
16,269.0	6,512.0	6,768.2	6,472.4	274.4	32.6	-84.12	-161.5	8,746.9	808.9	511.8	297.07	2.723		

<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Bihain 26G-202
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Reference Site:</b>	Bihain 5N64W26GK Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bihain 26G-202	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 Extension (3-3-16)	<b>Offset TVD Reference:</b>	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		
0.0	0.0	10.0	10.0	0.0	0.0	-164.89	-615.0	-166.1	637.0	637.0	0.01	N/A		
100.0	100.0	110.0	110.0	0.1	0.1	-164.89	-615.0	-166.1	637.0	636.8	0.25	2,576.501		
200.0	200.0	210.0	210.0	0.3	0.4	-164.89	-615.0	-166.1	637.0	636.3	0.70	914.242		
300.0	300.0	310.0	310.0	0.6	0.6	-164.89	-615.0	-166.1	637.0	635.9	1.15	555.716		
400.0	400.0	410.0	410.0	0.8	0.8	-164.89	-615.0	-166.1	637.0	635.4	1.60	399.176		
500.0	500.0	510.0	510.0	1.0	1.0	-164.89	-615.0	-166.1	637.0	635.0	2.05	311.445		
600.0	600.0	610.0	610.0	1.2	1.3	-164.89	-615.0	-166.1	637.0	634.5	2.49	255.329		
700.0	700.0	710.0	710.0	1.5	1.5	-164.89	-615.0	-166.1	637.0	634.1	2.94	216.347		
800.0	800.0	810.0	810.0	1.7	1.7	-164.89	-615.0	-166.1	637.0	633.6	3.39	187.692		
900.0	900.0	910.0	910.0	1.9	1.9	-164.89	-615.0	-166.1	637.0	633.2	3.84	165.740		
1,000.0	1,000.0	1,010.0	1,010.0	2.1	2.2	-164.89	-615.0	-166.1	637.0	632.7	4.29	148.385		
1,100.0	1,100.0	1,110.0	1,110.0	2.4	2.4	-164.89	-615.0	-166.1	637.0	632.3	4.74	134.320		
1,200.0	1,200.0	1,210.0	1,210.0	2.6	2.6	-164.89	-615.0	-166.1	637.0	631.8	5.19	122.691		
1,300.0	1,300.0	1,310.0	1,310.0	2.8	2.8	-164.89	-615.0	-166.1	637.0	631.4	5.64	112.914		
1,400.0	1,400.0	1,410.0	1,410.0	3.0	3.1	-164.89	-615.0	-166.1	637.0	630.9	6.09	104.581		
1,500.0	1,500.0	1,510.0	1,510.0	3.2	3.3	-40.97	-615.0	-166.1	636.0	629.5	6.52	97.575		
1,600.0	1,599.9	1,609.9	1,609.9	3.4	3.5	-41.23	-615.0	-166.1	633.1	626.1	6.93	91.392		
1,700.0	1,699.7	1,709.7	1,709.7	3.6	3.7	-41.67	-615.0	-166.1	628.2	620.8	7.34	85.576		
1,800.0	1,799.3	1,809.3	1,809.3	3.8	4.0	-42.30	-615.0	-166.1	621.4	613.6	7.76	80.074		
1,900.0	1,898.6	1,908.6	1,908.6	4.1	4.2	-43.13	-615.0	-166.1	612.7	604.5	8.19	74.836		
2,004.8	2,002.2	2,012.2	2,012.2	4.3	4.4	-44.22	-615.0	-166.1	601.7	593.1	8.65	69.586		
2,100.0	2,096.3	2,106.3	2,106.3	4.6	4.6	-45.23	-615.0	-166.1	591.0	581.9	9.09	65.017		
2,200.0	2,195.0	2,205.0	2,205.0	4.9	4.8	-46.33	-615.0	-166.1	579.9	570.3	9.57	60.621		
2,300.0	2,293.8	2,303.8	2,303.8	5.2	5.1	-47.47	-615.0	-166.1	569.1	559.0	10.05	56.602		
2,400.0	2,392.5	2,402.9	2,402.9	5.5	5.3	-48.56	-614.8	-167.0	558.4	547.9	10.54	52.974		
2,500.0	2,491.3	2,502.4	2,502.3	5.8	5.5	-49.52	-614.4	-169.6	547.9	536.9	11.03	49.675		
2,600.0	2,590.0	2,602.1	2,602.0	6.1	5.7	-50.34	-613.6	-173.9	537.4	525.9	11.53	46.614		
2,700.0	2,688.8	2,702.1	2,701.7	6.4	5.9	-51.00	-612.5	-180.0	526.9	514.8	12.04	43.766		
2,800.0	2,787.5	2,802.2	2,801.5	6.8	6.1	-51.49	-611.2	-187.7	516.2	503.7	12.56	41.109		
2,900.0	2,886.3	2,902.4	2,901.3	7.1	6.3	-51.81	-609.5	-197.2	505.5	492.4	13.09	38.624		
3,000.0	2,985.0	3,002.6	3,000.9	7.5	6.6	-51.93	-607.5	-208.4	494.6	481.0	13.63	36.294		
3,100.0	3,083.8	3,102.5	3,099.9	7.8	6.8	-51.88	-605.3	-221.2	483.6	469.4	14.18	34.107		
3,200.0	3,182.5	3,201.9	3,198.4	8.2	7.1	-51.78	-603.0	-234.1	472.5	457.8	14.74	32.064		
3,300.0	3,281.3	3,301.3	3,296.9	8.5	7.3	-51.68	-600.7	-247.1	461.4	446.1	15.30	30.154		
3,400.0	3,380.0	3,400.6	3,395.4	8.9	7.6	-51.58	-598.4	-260.1	450.3	434.5	15.88	28.367		
3,500.0	3,478.8	3,500.0	3,493.9	9.2	7.9	-51.47	-596.2	-273.0	439.3	422.8	16.46	26.694		
3,600.0	3,577.5	3,599.4	3,592.4	9.6	8.2	-51.35	-593.9	-286.0	428.2	411.2	17.04	25.127		
3,700.0	3,676.3	3,698.8	3,690.9	9.9	8.4	-51.23	-591.6	-298.9	417.1	399.5	17.63	23.658		
3,800.0	3,775.0	3,798.2	3,789.4	10.3	8.7	-51.10	-589.3	-311.9	406.1	387.8	18.23	22.278		
3,900.0	3,873.8	3,897.5	3,887.9	10.7	9.0	-50.97	-587.0	-324.8	395.0	376.2	18.83	20.982		
4,000.0	3,972.5	3,996.9	3,986.4	11.0	9.3	-50.83	-584.8	-337.8	383.9	364.5	19.43	19.762		
4,100.0	4,071.3	4,096.3	4,085.0	11.4	9.6	-50.67	-582.5	-350.8	372.9	352.9	20.03	18.613		
4,200.0	4,170.0	4,195.7	4,183.5	11.8	9.9	-50.51	-580.2	-363.7	361.8	341.2	20.64	17.529		
4,300.0	4,268.8	4,295.1	4,282.0	12.1	10.2	-50.34	-577.9	-376.7	350.8	329.5	21.25	16.506		
4,400.0	4,367.5	4,394.5	4,380.5	12.5	10.5	-50.16	-575.6	-389.6	339.7	317.9	21.86	15.539		
4,500.0	4,466.3	4,493.8	4,479.0	12.9	10.8	-49.97	-573.3	-402.6	328.7	306.2	22.48	14.624		
4,600.0	4,565.0	4,593.2	4,577.5	13.2	11.1	-49.76	-571.1	-415.6	317.6	294.6	23.09	13.757		
4,700.0	4,663.8	4,692.3	4,675.7	13.6	11.4	-49.64	-568.9	-427.9	306.6	283.0	23.68	12.947		
4,800.0	4,762.5	4,791.0	4,774.0	14.0	11.6	-50.11	-567.2	-437.3	295.8	271.6	24.25	12.198		
4,886.9	4,848.3	4,876.6	4,859.5	14.3	11.8	-51.09	-566.3	-442.7	286.6	261.9	24.76	11.578		
4,900.0	4,861.3	4,889.5	4,872.4	14.4	11.8	-51.27	-566.2	-443.3	285.3	260.5	24.84	11.488		

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

<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Bihain 26G-202
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Reference Site:</b>	Bihain 5N64W26GK Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bihain 26G-202	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 Extension (3-3-16)	<b>Offset TVD Reference:</b>	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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.0	4,960.3	4,987.9	4,970.7	14.6	12.0	-52.74	-565.7	-445.9	276.6	251.3	25.37	10.905	
5,100.0	5,059.8	5,087.0	5,069.8	14.8	12.2	-54.30	-565.7	-446.1	270.6	244.7	25.86	10.461	
5,200.0	5,159.6	5,186.8	5,169.6	15.0	12.4	-55.40	-565.7	-446.1	266.7	240.4	26.32	10.134	
5,300.0	5,259.5	5,286.8	5,269.5	15.2	12.6	-55.93	-565.7	-446.1	265.0	238.2	26.72	9.916	
5,340.5	5,300.0	5,327.2	5,310.0	15.3	12.6	-179.98	-565.7	-446.1	264.8	240.2	24.56	10.782	
5,400.0	5,359.5	5,386.8	5,369.5	15.4	12.8	-179.98	-565.7	-446.1	264.8	240.0	24.79	10.681	
5,500.0	5,459.5	5,486.8	5,469.5	15.5	13.0	-179.98	-565.7	-446.1	264.8	239.6	25.18	10.516	
5,600.0	5,559.5	5,586.8	5,569.5	15.7	13.2	-179.98	-565.7	-446.1	264.8	239.2	25.57	10.355	
5,700.0	5,659.5	5,686.8	5,669.5	15.8	13.4	-179.98	-565.7	-446.1	264.8	238.8	25.97	10.198	
5,800.0	5,759.5	5,786.8	5,769.5	16.0	13.6	-179.98	-565.7	-446.1	264.8	238.4	26.36	10.045	
5,843.3	5,802.8	5,830.0	5,812.8	16.0	13.7	-179.98	-565.7	-446.1	264.8	238.3	26.53	9.980 CC	
5,850.0	5,809.5	5,836.8	5,819.5	16.1	13.7	90.02	-565.7	-446.1	264.8	236.0	28.75	9.211	
5,853.7	5,813.2	5,840.5	5,823.2	16.1	13.7	90.03	-565.7	-446.1	264.8	236.0	28.76	9.208	
5,900.0	5,859.5	5,886.8	5,869.5	16.1	13.8	90.47	-565.7	-446.1	264.8	235.9	28.89	9.166	
5,950.0	5,909.2	5,936.4	5,919.2	16.1	13.9	91.61	-565.7	-446.1	264.9	235.9	28.97	9.143	
6,000.0	5,958.4	5,985.7	5,968.4	16.2	14.0	93.41	-565.7	-446.1	265.3	236.3	29.00	9.148	
6,050.0	6,007.0	6,035.5	6,018.3	16.2	14.1	95.69	-565.7	-445.2	266.2	237.2	28.96	9.190	
6,100.0	6,054.7	6,086.5	6,069.1	16.1	14.1	98.00	-565.7	-441.2	267.5	238.6	28.88	9.262	
6,150.0	6,101.4	6,138.2	6,120.2	16.1	14.2	100.26	-565.7	-433.6	269.3	240.5	28.77	9.362	
6,200.0	6,146.7	6,190.8	6,171.6	16.1	14.2	102.47	-565.7	-422.3	271.5	242.9	28.62	9.488	
6,250.0	6,190.6	6,244.2	6,222.8	16.0	14.3	104.61	-565.7	-407.3	274.0	245.6	28.44	9.636	
6,300.0	6,232.8	6,298.5	6,273.7	16.0	14.3	106.67	-565.7	-388.4	276.9	248.7	28.25	9.803	
6,350.0	6,273.2	6,353.7	6,323.9	15.9	14.4	108.64	-565.7	-365.5	280.0	252.0	28.06	9.981	
6,400.0	6,311.5	6,409.8	6,373.1	15.9	14.4	110.50	-565.7	-338.6	283.4	255.5	27.88	10.164	
6,450.0	6,347.7	6,466.8	6,421.0	15.9	14.5	112.26	-565.7	-307.7	286.8	259.1	27.74	10.340	
6,500.0	6,381.6	6,524.7	6,467.1	15.9	14.6	113.89	-565.7	-272.7	290.3	262.7	27.66	10.496	
6,550.0	6,413.0	6,583.5	6,511.1	16.0	14.8	115.39	-565.7	-233.7	293.8	266.1	27.67	10.618	
6,600.0	6,441.7	6,643.1	6,552.5	16.1	15.0	116.77	-565.7	-190.8	297.2	269.4	27.80	10.690	
6,650.0	6,467.7	6,703.6	6,590.9	16.4	15.4	118.00	-565.7	-144.1	300.5	272.4	28.09	10.698	
6,700.0	6,490.9	6,764.8	6,626.0	16.7	15.9	119.10	-565.7	-93.9	303.6	275.0	28.56	10.628	
6,750.0	6,511.1	6,826.8	6,657.2	17.2	16.5	120.05	-565.7	-40.4	306.3	277.1	29.23	10.479	
6,800.0	6,528.3	6,889.4	6,684.3	17.7	17.2	120.86	-565.7	16.0	308.8	278.7	30.12	10.253	
6,850.0	6,542.4	6,952.5	6,706.8	18.4	18.1	121.52	-565.7	75.0	310.8	279.6	31.22	9.957	
6,900.0	6,553.3	7,016.1	6,724.5	19.2	19.1	122.03	-565.7	136.0	312.5	279.9	32.55	9.600	
6,950.0	6,561.0	7,080.0	6,737.1	20.0	20.2	122.39	-565.7	198.7	313.6	279.6	34.08	9.203	
7,000.0	6,565.5	7,144.2	6,744.4	20.9	21.4	122.60	-565.7	262.4	314.3	278.5	35.79	8.781	
7,047.8	6,566.7	7,205.5	6,746.4	21.8	22.7	122.65	-565.7	323.7	314.5	276.9	37.59	8.367	
7,100.0	6,566.4	7,257.7	6,746.0	22.8	23.8	122.64	-565.7	375.9	314.5	275.1	39.41	7.979	
7,200.0	6,565.8	7,357.7	6,745.3	24.9	25.9	122.63	-565.7	475.9	314.4	271.3	43.08	7.298	
7,300.0	6,565.2	7,457.7	6,744.6	27.1	28.2	122.61	-565.7	575.9	314.4	267.4	46.95	6.695	
7,400.0	6,564.6	7,557.7	6,743.9	29.4	30.6	122.59	-565.7	675.9	314.3	263.3	50.99	6.164	
7,500.0	6,564.0	7,657.7	6,743.2	31.8	33.0	122.58	-565.7	775.9	314.2	259.1	55.15	5.698	
7,600.0	6,563.4	7,757.7	6,742.5	34.3	35.5	122.56	-565.7	875.9	314.2	254.8	59.42	5.288	
7,700.0	6,562.8	7,857.7	6,741.8	36.8	38.1	122.55	-565.7	975.9	314.1	250.4	63.76	4.927	
7,800.0	6,562.3	7,957.7	6,741.1	39.4	40.7	122.53	-565.7	1,075.9	314.1	245.9	68.17	4.607	
7,900.0	6,561.7	8,057.7	6,740.4	42.0	43.3	122.51	-565.7	1,175.9	314.0	241.4	72.63	4.323	
8,000.0	6,561.1	8,157.7	6,739.7	44.6	45.9	122.50	-565.7	1,275.9	314.0	236.8	77.14	4.070	
8,100.0	6,560.5	8,257.7	6,739.1	47.2	48.5	122.48	-565.7	1,375.8	313.9	232.2	81.68	3.843	
8,200.0	6,559.9	8,357.7	6,738.4	49.9	51.2	122.47	-565.7	1,475.8	313.9	227.6	86.26	3.638	
8,300.0	6,559.3	8,457.7	6,737.7	52.5	53.9	122.45	-565.7	1,575.8	313.8	222.9	90.86	3.453	
8,400.0	6,558.7	8,557.7	6,737.0	55.2	56.6	122.43	-565.7	1,675.8	313.7	218.3	95.49	3.286	

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

<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Bihain 26G-202
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Reference Site:</b>	Bihain 5N64W26GK Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bihain 26G-202	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 Extension (3-3-16)	<b>Offset TVD Reference:</b>	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	
8,500.0	6,558.1	8,657.7	6,736.3	57.9	59.3	122.42	-565.7	1,775.8	313.7	213.5	100.14	3.133	
8,600.0	6,557.5	8,757.7	6,735.6	60.6	62.0	122.40	-565.7	1,875.8	313.6	208.8	104.80	2.993	
8,700.0	6,556.9	8,857.7	6,734.9	63.3	64.7	122.38	-565.7	1,975.8	313.6	204.1	109.49	2.864	
8,800.0	6,556.3	8,957.7	6,734.2	66.0	67.5	122.37	-565.7	2,075.8	313.5	199.3	114.18	2.746	
8,900.0	6,555.7	9,057.7	6,733.5	68.8	70.2	122.35	-565.7	2,175.8	313.5	194.6	118.89	2.637	
9,000.0	6,555.1	9,157.7	6,732.8	71.5	72.9	122.34	-565.7	2,275.8	313.4	189.8	123.61	2.535	
9,100.0	6,554.5	9,257.7	6,732.1	74.2	75.7	122.32	-565.7	2,375.8	313.4	185.0	128.34	2.442	
9,200.0	6,553.9	9,357.7	6,731.4	77.0	78.4	122.30	-565.7	2,475.8	313.3	180.2	133.08	2.354	
9,300.0	6,553.4	9,457.7	6,730.7	79.7	81.2	122.29	-565.7	2,575.8	313.2	175.4	137.83	2.273	
9,400.0	6,552.8	9,557.7	6,730.0	82.5	83.9	122.27	-565.7	2,675.8	313.2	170.6	142.58	2.197	
9,500.0	6,552.2	9,657.7	6,729.3	85.3	86.7	122.25	-565.7	2,775.8	313.1	165.8	147.35	2.125	
9,600.0	6,551.6	9,757.7	6,728.6	88.0	89.5	122.24	-565.7	2,875.8	313.1	161.0	152.12	2.058	
9,700.0	6,551.0	9,857.7	6,727.9	90.8	92.2	122.22	-565.7	2,975.8	313.0	156.1	156.89	1.995	
9,800.0	6,550.4	9,957.7	6,727.2	93.6	95.0	122.21	-565.7	3,075.8	313.0	151.3	161.67	1.936	
9,900.0	6,549.8	10,057.7	6,726.5	96.3	97.8	122.19	-565.7	3,175.8	312.9	146.4	166.46	1.880	
10,000.0	6,549.2	10,157.7	6,725.8	99.1	100.6	122.17	-565.7	3,275.8	312.9	141.6	171.25	1.827	
10,100.0	6,548.6	10,257.7	6,725.1	101.9	103.3	122.16	-565.7	3,375.8	312.8	136.7	176.05	1.777	
10,200.0	6,548.0	10,357.7	6,724.4	104.6	106.1	122.14	-565.7	3,475.8	312.7	131.9	180.85	1.729	
10,300.0	6,547.4	10,457.7	6,723.7	107.4	108.9	122.12	-565.7	3,575.8	312.7	127.0	185.66	1.684	
10,400.0	6,546.8	10,557.7	6,723.0	110.2	111.7	122.11	-565.7	3,675.8	312.6	122.2	190.47	1.641	
10,500.0	6,546.2	10,657.7	6,722.3	113.0	114.5	122.09	-565.7	3,775.8	312.6	117.3	195.29	1.601	
10,600.0	6,545.6	10,757.7	6,721.6	115.8	117.2	122.08	-565.7	3,875.8	312.5	112.4	200.10	1.562	
10,700.0	6,545.0	10,857.7	6,720.9	118.5	120.0	122.06	-565.7	3,975.8	312.5	107.5	204.93	1.525	
10,800.0	6,544.5	10,957.7	6,720.2	121.3	122.8	122.04	-565.7	4,075.8	312.4	102.7	209.75	1.489 Level 3	
10,900.0	6,543.9	11,057.7	6,719.5	124.1	125.6	122.03	-565.7	4,175.8	312.4	97.8	214.58	1.456 Level 3	
11,000.0	6,543.3	11,157.7	6,718.8	126.9	128.4	122.01	-565.7	4,275.8	312.3	92.9	219.41	1.423 Level 3	
11,100.0	6,542.7	11,257.7	6,718.1	129.7	131.2	121.99	-565.7	4,375.8	312.2	88.0	224.25	1.392 Level 3	
11,200.0	6,542.1	11,357.7	6,717.4	132.5	134.0	121.98	-565.7	4,475.8	312.2	83.1	229.09	1.363 Level 3	
11,300.0	6,541.5	11,457.7	6,716.7	135.3	136.8	121.96	-565.7	4,575.8	312.1	78.2	233.93	1.334 Level 3	
11,400.0	6,540.9	11,557.7	6,716.0	138.1	139.6	121.94	-565.7	4,675.8	312.1	73.3	238.77	1.307 Level 3	
11,500.0	6,540.3	11,657.7	6,715.3	140.8	142.3	121.93	-565.7	4,775.8	312.0	68.4	243.62	1.281 Level 3	
11,600.0	6,539.7	11,757.7	6,714.6	143.6	145.1	121.91	-565.7	4,875.8	312.0	63.5	248.47	1.256 Level 3	
11,700.0	6,539.1	11,857.7	6,713.9	146.4	147.9	121.90	-565.7	4,975.8	311.9	58.6	253.32	1.231 Level 2	
11,800.0	6,538.5	11,957.7	6,713.2	149.2	150.7	121.88	-565.7	5,075.8	311.9	53.7	258.17	1.208 Level 2	
11,900.0	6,537.9	12,057.7	6,712.5	152.0	153.5	121.86	-565.7	5,175.8	311.8	48.8	263.03	1.185 Level 2	
12,000.0	6,537.3	12,157.7	6,711.8	154.8	156.3	121.85	-565.7	5,275.8	311.8	43.9	267.89	1.164 Level 2	
12,100.0	6,536.7	12,257.7	6,711.1	157.6	159.1	121.83	-565.7	5,375.7	311.7	38.9	272.75	1.143 Level 2	
12,200.0	6,536.1	12,357.7	6,710.4	160.4	161.9	121.81	-565.7	5,475.7	311.6	34.0	277.62	1.123 Level 2	
12,300.0	6,535.6	12,457.7	6,709.7	163.2	164.7	121.80	-565.7	5,575.7	311.6	29.1	282.48	1.103 Level 2	
12,400.0	6,535.0	12,557.7	6,709.0	166.0	167.5	121.78	-565.7	5,675.7	311.5	24.2	287.35	1.084 Level 2	
12,500.0	6,534.4	12,657.7	6,708.3	168.8	170.3	121.76	-565.7	5,775.7	311.5	19.3	292.22	1.066 Level 2	
12,600.0	6,533.8	12,757.7	6,707.6	171.6	173.1	121.75	-565.7	5,875.7	311.4	14.3	297.10	1.048 Level 2	
12,700.0	6,533.2	12,857.7	6,706.9	174.4	175.9	121.73	-565.7	5,975.7	311.4	9.4	301.97	1.031 Level 2	
12,800.0	6,532.6	12,957.7	6,706.2	177.2	178.7	121.71	-565.7	6,075.7	311.3	4.5	306.85	1.015 Level 2	
12,900.0	6,532.0	13,057.7	6,705.5	180.0	181.5	121.70	-565.7	6,175.7	311.3	-0.5	311.73	0.998 Level 1	
13,000.0	6,531.4	13,157.7	6,704.8	182.8	184.3	121.68	-565.7	6,275.7	311.2	-5.4	316.61	0.983 Level 1	
13,100.0	6,530.8	13,257.7	6,704.1	185.6	187.1	121.67	-565.7	6,375.7	311.2	-10.3	321.50	0.968 Level 1	
13,200.0	6,530.2	13,357.7	6,703.4	188.4	189.9	121.65	-565.7	6,475.7	311.1	-15.3	326.38	0.953 Level 1	
13,300.0	6,529.6	13,457.7	6,702.7	191.2	192.7	121.63	-565.7	6,575.7	311.0	-20.2	331.27	0.939 Level 1	
13,400.0	6,529.0	13,557.7	6,702.0	194.0	195.5	121.62	-565.7	6,675.7	311.0	-25.2	336.16	0.925 Level 1	
13,500.0	6,528.4	13,657.7	6,701.4	196.8	198.3	121.60	-565.7	6,775.7	310.9	-30.1	341.06	0.912 Level 1	

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

<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Bihain 26G-202
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Reference Site:</b>	Bihain 5N64W26GK Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bihain 26G-202	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 Extension (3-3-16)	<b>Offset TVD Reference:</b>	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								
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)				
13,600.0	6,527.8	13,757.7	6,700.7	199.6	201.1	121.58	-565.7	6,875.7	310.9	-35.1	345.95	0.899	Level 1		
13,700.0	6,527.2	13,857.7	6,700.0	202.4	203.9	121.57	-565.7	6,975.7	310.8	-40.0	350.85	0.886	Level 1		
13,800.0	6,526.7	13,957.7	6,699.3	205.2	206.7	121.55	-565.7	7,075.7	310.8	-45.0	355.74	0.874	Level 1		
13,900.0	6,526.1	14,057.7	6,698.6	208.0	209.5	121.53	-565.7	7,175.7	310.7	-49.9	360.64	0.862	Level 1		
14,000.0	6,525.5	14,157.7	6,697.9	210.8	212.3	121.52	-565.7	7,275.7	310.7	-54.9	365.55	0.850	Level 1		
14,100.0	6,524.9	14,257.7	6,697.2	213.6	215.1	121.50	-565.7	7,375.7	310.6	-59.8	370.45	0.838	Level 1		
14,200.0	6,524.3	14,357.7	6,696.5	216.4	217.9	121.48	-565.7	7,475.7	310.6	-64.8	375.36	0.827	Level 1		
14,300.0	6,523.7	14,457.7	6,695.8	219.2	220.7	121.47	-565.7	7,575.7	310.5	-69.8	380.26	0.817	Level 1		
14,400.0	6,523.1	14,557.7	6,695.1	222.0	223.5	121.45	-565.7	7,675.7	310.4	-74.7	385.17	0.806	Level 1		
14,500.0	6,522.5	14,657.7	6,694.4	224.8	226.3	121.43	-565.7	7,775.7	310.4	-79.7	390.08	0.796	Level 1		
14,600.0	6,521.9	14,757.7	6,693.7	227.6	229.1	121.42	-565.7	7,875.7	310.3	-84.7	395.00	0.786	Level 1		
14,700.0	6,521.3	14,857.7	6,693.0	230.4	231.9	121.40	-565.7	7,975.7	310.3	-89.6	399.91	0.776	Level 1		
14,800.0	6,520.7	14,957.7	6,692.3	233.2	234.7	121.38	-565.7	8,075.7	310.2	-94.6	404.83	0.766	Level 1		
14,900.0	6,520.1	15,057.7	6,691.6	236.0	237.5	121.37	-565.7	8,175.7	310.2	-99.6	409.75	0.757	Level 1		
15,000.0	6,519.5	15,157.7	6,690.9	238.8	240.3	121.35	-565.7	8,275.7	310.1	-104.5	414.67	0.748	Level 1		
15,100.0	6,518.9	15,257.7	6,690.2	241.6	243.1	121.33	-565.7	8,375.7	310.1	-109.5	419.59	0.739	Level 1		
15,200.0	6,518.3	15,357.7	6,689.5	244.4	246.0	121.32	-565.7	8,475.7	310.0	-114.5	424.51	0.730	Level 1		
15,300.0	6,517.8	15,457.7	6,688.8	247.2	248.8	121.30	-565.7	8,575.7	310.0	-119.5	429.44	0.722	Level 1		
15,400.0	6,517.2	15,557.7	6,688.1	250.0	251.6	121.28	-565.7	8,675.7	309.9	-124.5	434.37	0.713	Level 1		
15,500.0	6,516.6	15,657.7	6,687.4	252.8	254.4	121.27	-565.7	8,775.7	309.9	-129.4	439.30	0.705	Level 1		
15,600.0	6,516.0	15,757.7	6,686.7	255.6	257.2	121.25	-565.7	8,875.7	309.8	-134.4	444.23	0.697	Level 1		
15,700.0	6,515.4	15,857.7	6,686.0	258.4	260.0	121.24	-565.7	8,975.7	309.7	-139.4	449.16	0.690	Level 1		
15,800.0	6,514.8	15,957.7	6,685.3	261.2	262.8	121.22	-565.7	9,075.7	309.7	-144.4	454.10	0.682	Level 1		
15,900.0	6,514.2	16,057.7	6,684.6	264.1	265.6	121.20	-565.7	9,175.7	309.6	-149.4	459.03	0.675	Level 1		
16,000.0	6,513.6	16,157.7	6,683.9	266.9	268.4	121.19	-565.7	9,275.7	309.6	-154.4	463.97	0.667	Level 1		
16,100.0	6,513.0	16,257.7	6,683.2	269.7	271.2	121.17	-565.7	9,375.6	309.5	-159.4	468.91	0.660	Level 1		
16,200.0	6,512.4	16,357.7	6,682.5	272.5	274.0	121.15	-565.7	9,475.6	309.5	-164.4	473.85	0.653	Level 1		
16,269.0	6,512.0	16,426.7	6,682.0	274.4	275.9	121.14	-565.7	9,544.7	309.4	-167.8	477.26	0.648	Level 1, ES, SF		

Reference Depths are relative to WELL @ 4627.0ft (RKB - 23')	Coordinates are relative to: Bihain 26G-202
Offset Depths are relative to Offset Datum	Coordinate System is US State Plane 1983, Colorado Northern Zone
Central Meridian is -105.500000	Grid Convergence at Surface is: 0.63°





<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Bihain 26G-202
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Reference Site:</b>	Bihain 5N64W26GK Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4627.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Bihain 26G-202	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	US_EDM
<b>Reference Design:</b>	Plan #1 Extension (3-3-16)	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to WELL @ 4627.0ft (RKB - 23')

Offset Depths are relative to Offset Datum

Central Meridian is -105.500000

Coordinates are relative to: Bihain 26G-202

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.63°

