

# PETROLEUM DEVELOPMENT CORP DJ Basin

Well Name: **Connie 26E-402**

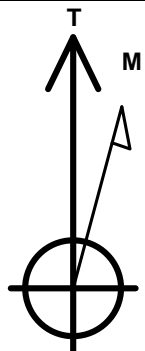
Surface Location: Connie 5N64W26EF Pad Sec.26-T5N-R64W  
North American Datum 1983 , US State Plane 1983, Colorado Northern Zone  
Ground Elevation: 4597.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1381413.96	3271524.56	40.376287	-104.525404	

RKB - 23' WELL @ 4620.0ft (RKB - 23')

## DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 490'FNL & 271'FWL, Sec.26	1.0	0.0	0.0	Point
BHL 187'FNL & 500'FEL, Sec.25	6681.0	282.1	9726.5	Point



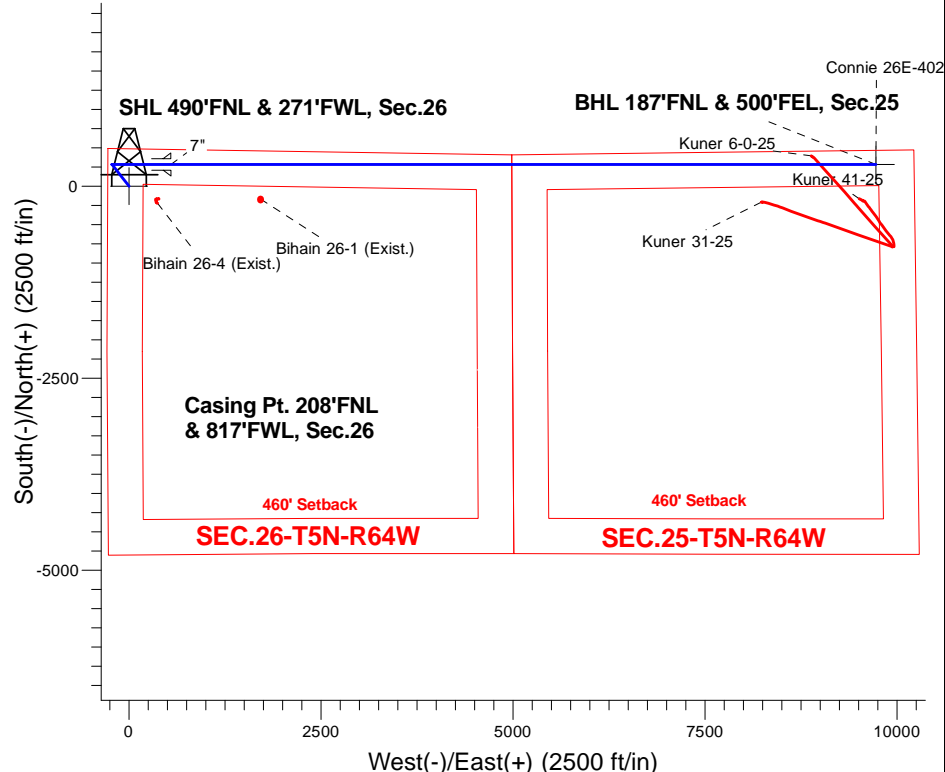
Azimuths to True North  
Magnetic North: 8.10°

Magnetic Field  
Strength: 52650.1snT  
Dip Angle: 66.91°  
Date: 2/26/2016  
Model: IGRF2010

Connie 5N64W26EF Pad Sec.26-T5N-R64W  
Connie 26E-402  
Plan #1 Extension (3-4-16)  
17:11, March 09 2016

## ANNOTATIONS

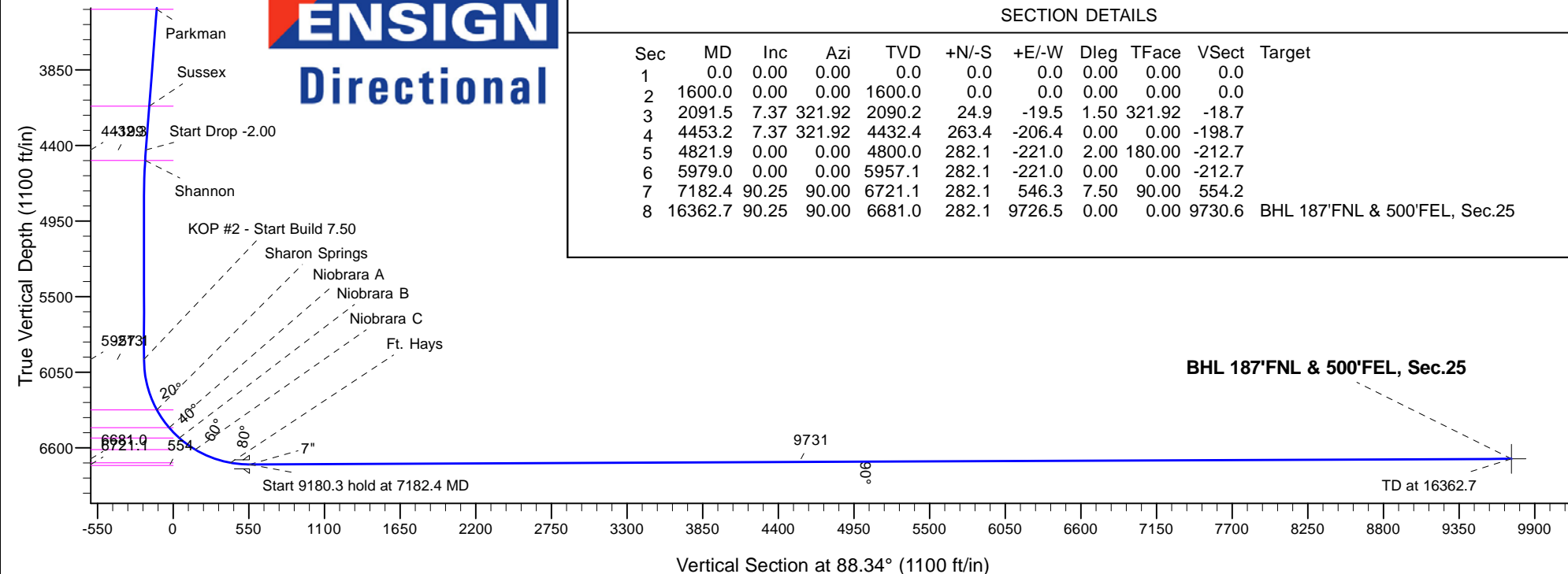
TVD	MD	Annotation
1600.0	1600.0	KOP - Start Build 1.50
4432.4	4453.2	Start Drop -2.00
5957.1	5979.0	KOP #2 - Start Build 7.50
6721.1	7182.4	Start 9180.3 hold at 7182.4 MD
6681.0	16362.7	TD at 16362.7



**ENSIGN**  
Directional

## SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1600.0	0.00	0.00	1600.0	0.0	0.0	0.00	0.00	0.0	
3	2091.5	7.37	321.92	2090.2	24.9	-19.5	1.50	321.92	-18.7	
4	4453.2	7.37	321.92	4432.4	263.4	-206.4	0.00	0.00	-198.7	
5	4821.9	0.00	0.00	4800.0	282.1	-221.0	2.00	180.00	-212.7	
6	5979.0	0.00	0.00	5957.1	282.1	-221.0	0.00	0.00	-212.7	
7	7182.4	90.25	90.00	6721.1	282.1	546.3	7.50	90.00	554.2	
8	16362.7	90.25	90.00	6681.0	282.1	9726.5	0.00	0.00	9730.6	BHL 187'FNL & 500'FEL, Sec.25





# Directional

## PETROLEUM DEVELOPMENT CORP DJ Basin

SEC.26-T5N-R64W

Connie 5N64W26EF Pad Sec.26-T5N-R64W

Connie 26E-402

Wellbore #1

Plan: Plan #1 Extension (3-4-16)

## Standard Planning Report

09 March, 2016

<b>Database:</b>	US_EDM	<b>Local Co-ordinate Reference:</b>	Well Connie 26E-402
<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>TVD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Project:</b>	SEC.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Site:</b>	Connie 5N64W26EF Pad Sec.26-T5N-R64W	<b>North Reference:</b>	True
<b>Well:</b>	Connie 26E-402	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 Extension (3-4-16)		

<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		Connie 5N64W26EF Pad Sec.26-T5N-R64W			
Site Position:		Northing:	1,381,364.42 usft	Latitude:	40.376152
From:	Lat/Long	Easting:	3,271,490.55 usft	Longitude:	-104.525528
Position Uncertainty:	0.0 ft	Slot Radius:	13-3/16 "	Grid Convergence:	0.63

Well	Connie 26E-402					
Well Position	+N/-S	49.2 ft	Northing:	1,381,413.96 usft	Latitude:	40.376287
	+E/-W	34.5 ft	Easting:	3,271,524.56 usft	Longitude:	-104.525404
Position Uncertainty		0.0 ft	Wellhead Elevation:	0.0 ft	Ground Level:	4,597.0 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	2/26/2016	8.10	66.91	52,650

<b>Design</b>	Plan #1 Extension (3-4-16)			
<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	88.34

<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	
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,091.5	7.37	321.92	2,090.2	24.9	-19.5	1.50	1.50	0.00	321.92	
4,453.2	7.37	321.92	4,432.4	263.4	-206.4	0.00	0.00	0.00	0.00	
4,821.9	0.00	0.00	4,800.0	282.1	-221.0	2.00	-2.00	0.00	180.00	
5,979.0	0.00	0.00	5,957.1	282.1	-221.0	0.00	0.00	0.00	0.00	
7,182.4	90.25	90.00	6,721.1	282.1	546.3	7.50	7.50	0.00	90.00	
16,362.7	90.25	90.00	6,681.0	282.1	9,726.5	0.00	0.00	0.00	0.00	BHL 187°FNL & 500'F

Database:	US_EDM	Local Co-ordinate Reference:	Well Connie 26E-402
Company:	PETROLEUM DEVELOPMENT CORP DJ Basin	TVD Reference:	WELL @ 4620.0ft (RKB - 23')
Project:	SEC.26-T5N-R64W	MD Reference:	WELL @ 4620.0ft (RKB - 23')
Site:	Connie 5N64W26EF Pad Sec.26-T5N-R64W	North Reference:	True
Well:	Connie 26E-402	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 Extension (3-4-16)		

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
1.0	0.00	0.00	1.0	0.0	0.0	0.0	0.00	0.00	0.00
SHL 490'FNL & 271'FWL, Sec.26									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP - Start Build 1.50									
1,700.0	1.50	321.92	1,700.0	1.0	-0.8	-0.8	1.50	1.50	0.00
1,800.0	3.00	321.92	1,799.9	4.1	-3.2	-3.1	1.50	1.50	0.00
1,900.0	4.50	321.92	1,899.7	9.3	-7.3	-7.0	1.50	1.50	0.00
2,000.0	6.00	321.92	1,999.3	16.5	-12.9	-12.4	1.50	1.50	0.00
2,091.5	7.37	321.92	2,090.2	24.9	-19.5	-18.7	1.50	1.50	0.00
2,100.0	7.37	321.92	2,098.6	25.7	-20.1	-19.4	0.00	0.00	0.00
2,200.0	7.37	321.92	2,197.7	35.8	-28.1	-27.0	0.00	0.00	0.00
2,300.0	7.37	321.92	2,296.9	45.9	-36.0	-34.6	0.00	0.00	0.00
2,400.0	7.37	321.92	2,396.1	56.0	-43.9	-42.2	0.00	0.00	0.00
2,500.0	7.37	321.92	2,495.3	66.1	-51.8	-49.9	0.00	0.00	0.00
2,600.0	7.37	321.92	2,594.4	76.2	-59.7	-57.5	0.00	0.00	0.00
2,700.0	7.37	321.92	2,693.6	86.3	-67.6	-65.1	0.00	0.00	0.00
2,800.0	7.37	321.92	2,792.8	96.4	-75.5	-72.7	0.00	0.00	0.00
2,900.0	7.37	321.92	2,892.0	106.5	-83.5	-80.3	0.00	0.00	0.00
3,000.0	7.37	321.92	2,991.1	116.6	-91.4	-88.0	0.00	0.00	0.00
3,100.0	7.37	321.92	3,090.3	126.7	-99.3	-95.6	0.00	0.00	0.00
3,200.0	7.37	321.92	3,189.5	136.8	-107.2	-103.2	0.00	0.00	0.00
3,300.0	7.37	321.92	3,288.7	146.9	-115.1	-110.8	0.00	0.00	0.00
3,400.0	7.37	321.92	3,387.8	157.0	-123.0	-118.4	0.00	0.00	0.00
3,421.4	7.37	321.92	3,409.0	159.2	-124.7	-120.1	0.00	0.00	0.00
Parkman									
3,500.0	7.37	321.92	3,487.0	167.1	-130.9	-126.0	0.00	0.00	0.00
3,600.0	7.37	321.92	3,586.2	177.2	-138.9	-133.7	0.00	0.00	0.00
3,700.0	7.37	321.92	3,685.3	187.3	-146.8	-141.3	0.00	0.00	0.00
3,800.0	7.37	321.92	3,784.5	197.4	-154.7	-148.9	0.00	0.00	0.00
3,900.0	7.37	321.92	3,883.7	207.6	-162.6	-156.5	0.00	0.00	0.00
4,000.0	7.37	321.92	3,982.9	217.7	-170.5	-164.1	0.00	0.00	0.00
4,100.0	7.37	321.92	4,082.0	227.8	-178.4	-171.8	0.00	0.00	0.00
4,132.2	7.37	321.92	4,114.0	231.0	-181.0	-174.2	0.00	0.00	0.00
Sussex									
4,200.0	7.37	321.92	4,181.2	237.9	-186.3	-179.4	0.00	0.00	0.00
4,300.0	7.37	321.92	4,280.4	248.0	-194.3	-187.0	0.00	0.00	0.00
4,400.0	7.37	321.92	4,379.6	258.1	-202.2	-194.6	0.00	0.00	0.00

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Project:	SEC.26-T5N-R64W	MD Reference:	WELL @ 4620.0ft (RKB - 23')
Site:	Connie 5N64W26EF Pad Sec.26-T5N-R64W	North Reference:	True
Well:	Connie 26E-402	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 Extension (3-4-16)		

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)
4,453.2	7.37	321.92	4,432.3	263.4	-206.4	-198.7	0.00	0.00	0.00
Start Drop -2.00									
4,500.0	6.44	321.92	4,478.8	267.9	-209.9	-202.0	2.00	-2.00	0.00
4,530.4	5.83	321.92	4,509.0	270.4	-211.9	-203.9	2.00	-2.00	0.00
Shannon									
4,600.0	4.44	321.92	4,578.3	275.3	-215.7	-207.6	2.00	-2.00	0.00
4,700.0	2.44	321.92	4,678.1	280.0	-219.4	-211.2	2.00	-2.00	0.00
4,800.0	0.44	321.92	4,778.1	282.0	-220.9	-212.7	2.00	-2.00	0.00
4,821.9	0.00	0.00	4,800.0	282.1	-221.0	-212.7	2.00	-2.00	0.00
4,900.0	0.00	0.00	4,878.1	282.1	-221.0	-212.7	0.00	0.00	0.00
5,000.0	0.00	0.00	4,978.1	282.1	-221.0	-212.7	0.00	0.00	0.00
5,100.0	0.00	0.00	5,078.1	282.1	-221.0	-212.7	0.00	0.00	0.00
5,200.0	0.00	0.00	5,178.1	282.1	-221.0	-212.7	0.00	0.00	0.00
5,300.0	0.00	0.00	5,278.1	282.1	-221.0	-212.7	0.00	0.00	0.00
5,400.0	0.00	0.00	5,378.1	282.1	-221.0	-212.7	0.00	0.00	0.00
5,500.0	0.00	0.00	5,478.1	282.1	-221.0	-212.7	0.00	0.00	0.00
5,600.0	0.00	0.00	5,578.1	282.1	-221.0	-212.7	0.00	0.00	0.00
5,700.0	0.00	0.00	5,678.1	282.1	-221.0	-212.7	0.00	0.00	0.00
5,800.0	0.00	0.00	5,778.1	282.1	-221.0	-212.7	0.00	0.00	0.00
5,900.0	0.00	0.00	5,878.1	282.1	-221.0	-212.7	0.00	0.00	0.00
5,979.0	0.00	0.00	5,957.1	282.1	-221.0	-212.7	0.00	0.00	0.00
KOP #2 - Start Build 7.50									
6,000.0	1.57	90.00	5,978.1	282.1	-220.7	-212.4	7.49	7.49	0.00
6,100.0	9.07	90.00	6,077.6	282.1	-211.4	-203.2	7.50	7.50	0.00
6,200.0	16.57	90.00	6,175.0	282.1	-189.3	-181.0	7.50	7.50	0.00
6,300.0	24.07	90.00	6,268.7	282.1	-154.6	-146.3	7.50	7.50	0.00
6,361.7	28.70	90.00	6,324.0	282.1	-127.1	-118.9	7.50	7.50	0.00
Sharon Springs									
6,400.0	31.57	90.00	6,357.1	282.1	-107.9	-99.7	7.50	7.50	0.00
6,500.0	39.07	90.00	6,438.6	282.1	-50.1	-41.9	7.50	7.50	0.00
6,520.0	40.57	90.00	6,454.0	282.1	-37.3	-29.1	7.50	7.50	0.00
Niobrara A									
6,600.0	46.57	90.00	6,511.9	282.1	17.8	26.0	7.50	7.50	0.00
6,625.3	48.47	90.00	6,529.0	282.1	36.4	44.6	7.50	7.50	0.00
Niobrara B									
6,700.0	54.07	90.00	6,575.7	282.1	94.7	102.8	7.50	7.50	0.00
6,769.7	59.30	90.00	6,614.0	282.1	152.9	161.0	7.50	7.50	0.00
Niobrara C									
6,800.0	61.57	90.00	6,629.0	282.1	179.3	187.4	7.50	7.50	0.00
6,900.0	69.07	90.00	6,670.7	282.1	270.1	278.2	7.50	7.50	0.00
7,000.0	76.57	90.00	6,700.2	282.1	365.6	373.6	7.50	7.50	0.00
7,043.1	79.80	90.00	6,709.0	282.1	407.7	415.7	7.50	7.50	0.00
Ft. Hays									
7,100.0	84.07	90.00	6,717.0	282.1	464.1	472.0	7.50	7.50	0.00
7,182.4	90.25	90.00	6,721.1	282.1	546.3	554.3	7.50	7.50	0.00
Start 9180.3 hold at 7182.4 MD - 7"									
7,200.0	90.25	90.00	6,721.0	282.1	563.9	571.9	0.00	0.00	0.00
7,300.0	90.25	90.00	6,720.5	282.1	663.9	671.8	0.00	0.00	0.00
7,400.0	90.25	90.00	6,720.1	282.1	763.9	771.8	0.00	0.00	0.00
7,500.0	90.25	90.00	6,719.7	282.1	863.9	871.7	0.00	0.00	0.00
7,600.0	90.25	90.00	6,719.2	282.1	963.9	971.7	0.00	0.00	0.00
7,700.0	90.25	90.00	6,718.8	282.1	1,063.9	1,071.6	0.00	0.00	0.00

<b>Database:</b>	US_EDM	<b>Local Co-ordinate Reference:</b>	Well Connie 26E-402
<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>TVD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Project:</b>	SEC.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Site:</b>	Connie 5N64W26EF Pad Sec.26-T5N-R64W	<b>North Reference:</b>	True
<b>Well:</b>	Connie 26E-402	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 Extension (3-4-16)		

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)
7,800.0	90.25	90.00	6,718.4	282.1	1,163.9	1,171.6	0.00	0.00	0.00
7,900.0	90.25	90.00	6,717.9	282.1	1,263.9	1,271.6	0.00	0.00	0.00
8,000.0	90.25	90.00	6,717.5	282.1	1,363.9	1,371.5	0.00	0.00	0.00
8,100.0	90.25	90.00	6,717.1	282.1	1,463.9	1,471.5	0.00	0.00	0.00
8,200.0	90.25	90.00	6,716.6	282.1	1,563.9	1,571.4	0.00	0.00	0.00
8,300.0	90.25	90.00	6,716.2	282.1	1,663.9	1,671.4	0.00	0.00	0.00
8,400.0	90.25	90.00	6,715.7	282.1	1,763.9	1,771.3	0.00	0.00	0.00
8,500.0	90.25	90.00	6,715.3	282.1	1,863.9	1,871.3	0.00	0.00	0.00
8,600.0	90.25	90.00	6,714.9	282.1	1,963.9	1,971.3	0.00	0.00	0.00
8,700.0	90.25	90.00	6,714.4	282.1	2,063.9	2,071.2	0.00	0.00	0.00
8,800.0	90.25	90.00	6,714.0	282.1	2,163.9	2,171.2	0.00	0.00	0.00
8,900.0	90.25	90.00	6,713.6	282.1	2,263.9	2,271.1	0.00	0.00	0.00
9,000.0	90.25	90.00	6,713.1	282.1	2,363.9	2,371.1	0.00	0.00	0.00
9,100.0	90.25	90.00	6,712.7	282.1	2,463.9	2,471.0	0.00	0.00	0.00
9,200.0	90.25	90.00	6,712.3	282.1	2,563.9	2,571.0	0.00	0.00	0.00
9,300.0	90.25	90.00	6,711.8	282.1	2,663.9	2,671.0	0.00	0.00	0.00
9,400.0	90.25	90.00	6,711.4	282.1	2,763.9	2,770.9	0.00	0.00	0.00
9,500.0	90.25	90.00	6,710.9	282.1	2,863.9	2,870.9	0.00	0.00	0.00
9,600.0	90.25	90.00	6,710.5	282.1	2,963.9	2,970.8	0.00	0.00	0.00
9,700.0	90.25	90.00	6,710.1	282.1	3,063.9	3,070.8	0.00	0.00	0.00
9,800.0	90.25	90.00	6,709.6	282.1	3,163.9	3,170.7	0.00	0.00	0.00
9,900.0	90.25	90.00	6,709.2	282.1	3,263.9	3,270.7	0.00	0.00	0.00
10,000.0	90.25	90.00	6,708.8	282.1	3,363.9	3,370.7	0.00	0.00	0.00
10,100.0	90.25	90.00	6,708.3	282.1	3,463.9	3,470.6	0.00	0.00	0.00
10,200.0	90.25	90.00	6,707.9	282.1	3,563.9	3,570.6	0.00	0.00	0.00
10,300.0	90.25	90.00	6,707.5	282.1	3,663.9	3,670.5	0.00	0.00	0.00
10,400.0	90.25	90.00	6,707.0	282.1	3,763.9	3,770.5	0.00	0.00	0.00
10,500.0	90.25	90.00	6,706.6	282.1	3,863.9	3,870.4	0.00	0.00	0.00
10,600.0	90.25	90.00	6,706.1	282.1	3,963.9	3,970.4	0.00	0.00	0.00
10,700.0	90.25	90.00	6,705.7	282.1	4,063.9	4,070.4	0.00	0.00	0.00
10,800.0	90.25	90.00	6,705.3	282.1	4,163.9	4,170.3	0.00	0.00	0.00
10,900.0	90.25	90.00	6,704.8	282.1	4,263.9	4,270.3	0.00	0.00	0.00
11,000.0	90.25	90.00	6,704.4	282.1	4,363.9	4,370.2	0.00	0.00	0.00
11,100.0	90.25	90.00	6,704.0	282.1	4,463.9	4,470.2	0.00	0.00	0.00
11,200.0	90.25	90.00	6,703.5	282.1	4,563.9	4,570.1	0.00	0.00	0.00
11,300.0	90.25	90.00	6,703.1	282.1	4,663.9	4,670.1	0.00	0.00	0.00
11,400.0	90.25	90.00	6,702.7	282.1	4,763.9	4,770.1	0.00	0.00	0.00
11,500.0	90.25	90.00	6,702.2	282.1	4,863.9	4,870.0	0.00	0.00	0.00
11,600.0	90.25	90.00	6,701.8	282.1	4,963.9	4,970.0	0.00	0.00	0.00
11,700.0	90.25	90.00	6,701.3	282.1	5,063.9	5,069.9	0.00	0.00	0.00
11,800.0	90.25	90.00	6,700.9	282.1	5,163.9	5,169.9	0.00	0.00	0.00
11,900.0	90.25	90.00	6,700.5	282.1	5,263.9	5,269.8	0.00	0.00	0.00
12,000.0	90.25	90.00	6,700.0	282.1	5,363.9	5,369.8	0.00	0.00	0.00
12,100.0	90.25	90.00	6,699.6	282.1	5,463.9	5,469.8	0.00	0.00	0.00
12,200.0	90.25	90.00	6,699.2	282.1	5,563.9	5,569.7	0.00	0.00	0.00
12,300.0	90.25	90.00	6,698.7	282.1	5,663.9	5,669.7	0.00	0.00	0.00
12,400.0	90.25	90.00	6,698.3	282.1	5,763.9	5,769.6	0.00	0.00	0.00
12,500.0	90.25	90.00	6,697.9	282.1	5,863.9	5,869.6	0.00	0.00	0.00
12,600.0	90.25	90.00	6,697.4	282.1	5,963.9	5,969.5	0.00	0.00	0.00
12,700.0	90.25	90.00	6,697.0	282.1	6,063.9	6,069.5	0.00	0.00	0.00
12,800.0	90.25	90.00	6,696.5	282.1	6,163.9	6,169.5	0.00	0.00	0.00
12,900.0	90.25	90.00	6,696.1	282.1	6,263.9	6,269.4	0.00	0.00	0.00
13,000.0	90.25	90.00	6,695.7	282.1	6,363.9	6,369.4	0.00	0.00	0.00

Database:	US_EDM	Local Co-ordinate Reference:	Well Connie 26E-402
Company:	PETROLEUM DEVELOPMENT CORP DJ Basin	TVD Reference:	WELL @ 4620.0ft (RKB - 23')
Project:	SEC.26-T5N-R64W	MD Reference:	WELL @ 4620.0ft (RKB - 23')
Site:	Connie 5N64W26EF Pad Sec.26-T5N-R64W	North Reference:	True
Well:	Connie 26E-402	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 Extension (3-4-16)		

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)
13,100.0	90.25	90.00	6,695.2	282.1	6,463.9	6,469.3	0.00	0.00	0.00
13,200.0	90.25	90.00	6,694.8	282.1	6,563.9	6,569.3	0.00	0.00	0.00
13,300.0	90.25	90.00	6,694.4	282.1	6,663.9	6,669.2	0.00	0.00	0.00
13,400.0	90.25	90.00	6,693.9	282.1	6,763.9	6,769.2	0.00	0.00	0.00
13,500.0	90.25	90.00	6,693.5	282.1	6,863.9	6,869.2	0.00	0.00	0.00
13,600.0	90.25	90.00	6,693.1	282.1	6,963.9	6,969.1	0.00	0.00	0.00
13,700.0	90.25	90.00	6,692.6	282.1	7,063.9	7,069.1	0.00	0.00	0.00
13,766.6	90.25	90.00	6,692.3	282.1	7,130.4	7,135.6	0.00	0.00	0.00
BHL 148°FNL & 2140°FNL,Sec.25									
13,800.0	90.25	90.00	6,692.2	282.1	7,163.9	7,169.0	0.00	0.00	0.00
13,900.0	90.25	90.00	6,691.7	282.1	7,263.9	7,269.0	0.00	0.00	0.00
14,000.0	90.25	90.00	6,691.3	282.1	7,363.9	7,368.9	0.00	0.00	0.00
14,100.0	90.25	90.00	6,690.9	282.1	7,463.9	7,468.9	0.00	0.00	0.00
14,200.0	90.25	90.00	6,690.4	282.1	7,563.9	7,568.9	0.00	0.00	0.00
14,300.0	90.25	90.00	6,690.0	282.1	7,663.9	7,668.8	0.00	0.00	0.00
14,400.0	90.25	90.00	6,689.6	282.1	7,763.9	7,768.8	0.00	0.00	0.00
14,500.0	90.25	90.00	6,689.1	282.1	7,863.9	7,868.7	0.00	0.00	0.00
14,600.0	90.25	90.00	6,688.7	282.1	7,963.9	7,968.7	0.00	0.00	0.00
14,700.0	90.25	90.00	6,688.3	282.1	8,063.9	8,068.6	0.00	0.00	0.00
14,800.0	90.25	90.00	6,687.8	282.1	8,163.9	8,168.6	0.00	0.00	0.00
14,900.0	90.25	90.00	6,687.4	282.1	8,263.9	8,268.6	0.00	0.00	0.00
15,000.0	90.25	90.00	6,686.9	282.1	8,363.8	8,368.5	0.00	0.00	0.00
15,100.0	90.25	90.00	6,686.5	282.1	8,463.8	8,468.5	0.00	0.00	0.00
15,200.0	90.25	90.00	6,686.1	282.1	8,563.8	8,568.4	0.00	0.00	0.00
15,300.0	90.25	90.00	6,685.6	282.1	8,663.8	8,668.4	0.00	0.00	0.00
15,400.0	90.25	90.00	6,685.2	282.1	8,763.8	8,768.3	0.00	0.00	0.00
15,500.0	90.25	90.00	6,684.8	282.1	8,863.8	8,868.3	0.00	0.00	0.00
15,600.0	90.25	90.00	6,684.3	282.1	8,963.8	8,968.3	0.00	0.00	0.00
15,700.0	90.25	90.00	6,683.9	282.1	9,063.8	9,068.2	0.00	0.00	0.00
15,800.0	90.25	90.00	6,683.5	282.1	9,163.8	9,168.2	0.00	0.00	0.00
15,900.0	90.25	90.00	6,683.0	282.1	9,263.8	9,268.1	0.00	0.00	0.00
16,000.0	90.25	90.00	6,682.6	282.1	9,363.8	9,368.1	0.00	0.00	0.00
16,100.0	90.25	90.00	6,682.1	282.1	9,463.8	9,468.0	0.00	0.00	0.00
16,200.0	90.25	90.00	6,681.7	282.1	9,563.8	9,568.0	0.00	0.00	0.00
16,300.0	90.25	90.00	6,681.3	282.1	9,663.8	9,668.0	0.00	0.00	0.00
16,362.7	90.25	90.00	6,681.0	282.1	9,726.5	9,730.6	0.00	0.00	0.00
TD at 16362.7 - BHL 187°FNL & 500°FEL, Sec.25									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL 490°FNL & 271°FNL - hit/miss target - Shape - Point	0.00	0.63	1.0	0.0	0.0	1,381,413.98	3,271,524.56	40.376287	-104.525404
BHL 187°FNL & 500°FEL - plan hits target center - Point	0.00	0.00	6,681.0	282.1	9,726.5	1,381,802.91	3,281,246.96	40.377056	-104.490494

<b>Database:</b>	US_EDM	<b>Local Co-ordinate Reference:</b>	Well Connie 26E-402
<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>TVD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Project:</b>	SEC.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Site:</b>	Connie 5N64W26EF Pad Sec.26-T5N-R64W	<b>North Reference:</b>	True
<b>Well:</b>	Connie 26E-402	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 Extension (3-4-16)		

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
7,182.4	6,721.1	7"	7	8-3/4	

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,421.4	3,409.0	Parkman		0.00	
4,132.2	4,114.0	Sussex		0.00	
4,530.4	4,509.0	Shannon		0.00	
6,361.7	6,324.0	Sharon Springs		0.00	
6,520.0	6,454.0	Niobrara A		0.00	
6,625.3	6,529.0	Niobrara B		0.00	
6,769.7	6,614.0	Niobrara C		0.00	
7,043.1	6,709.0	Ft. Hays		0.00	

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
1,600.0	1,600.0	0.0	0.0	KOP - Start Build 1.50	
4,453.2	4,432.4	24.9	-19.5	Start Drop -2.00	
5,979.0	5,957.1	263.4	-206.4	KOP #2 - Start Build 7.50	
7,182.4	6,721.1	282.1	-221.0	Start 9180.3 hold at 7182.4 MD	
16,362.7	6,681.0	282.1	-221.0	TD at 16362.7	





# Directional

## **PETROLEUM DEVELOPMENT CORP DJ Basin**

**SEC.26-T5N-R64W**

**Connie 5N64W26EF Pad Sec.26-T5N-R64W**

**Connie 26E-402**

**Wellbore #1**

**Plan #1 Extension (3-4-16)**

## **Anticollision Report**

**09 March, 2016**



<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Connie 26E-402
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Reference Site:</b>	Connie 5N64W26EF Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Connie 26E-402	<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 (3-4-16)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	Plan #1 Extension (3-4-16)		
<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	16,362.7	Plan #1 Extension (3-4-16) (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
Offset Well - Wellbore - Design						
Connie 5N64W26EF Pad Sec.26-T5N-R64W						
Connie 26E-332 - Wellbore #1 - Plan #1 Extension (3-4-1	1,600.0	1,600.0	15.1	8.1	2.167	CC
Connie 26E-332 - Wellbore #1 - Plan #1 Extension (3-4-1	16,362.7	16,272.4	331.7	-189.2	0.637	Level 1, ES, SF
Connie 26F-212 - Wellbore #1 - Plan #1 Extension (3-4-1	1,400.0	1,400.0	30.2	24.1	4.976	CC, ES
Connie 26F-212 - Wellbore #1 - Plan #1 Extension (3-4-1	16,362.7	16,212.2	703.9	169.1	1.316	Level 3, SF
Connie 26F-302 - Wellbore #1 - Plan #1 Extension (3-4-1	966.3	957.3	45.0	40.8	10.657	CC
Connie 26F-302 - Wellbore #1 - Plan #1 Extension (3-4-1	1,000.0	991.0	45.0	40.6	10.289	ES
Connie 26F-302 - Wellbore #1 - Plan #1 Extension (3-4-1	16,362.7	16,319.6	978.3	430.8	1.787	SF
Connie 26F-402 - Wellbore #1 - Plan #1 Extension (3-4-1	766.3	767.3	60.1	56.9	18.651	CC
Connie 26F-402 - Wellbore #1 - Plan #1 Extension (3-4-1	800.0	801.0	60.1	56.7	17.816	ES
Connie 26F-402 - Wellbore #1 - Plan #1 Extension (3-4-1	1,100.0	1,096.1	70.9	66.3	15.404	SF
Existing Wells Pad Sec.26-T5N-R64W						
Bihain 26-1 (Exist.) - Wellbore #1 - Wellbore #1	8,349.3	6,689.0	447.8	262.1	2.412	CC, ES
Bihain 26-1 (Exist.) - Wellbore #1 - Wellbore #1	8,400.0	6,688.7	450.6	263.6	2.410	SF
Bihain 26-4 (Exist.) - Wellbore #1 - Wellbore #1	1,648.1	1,629.8	419.2	411.7	55.874	CC, ES
Bihain 26-4 (Exist.) - Wellbore #1 - Wellbore #1	7,150.0	6,697.5	524.2	488.6	14.727	SF
Kuner 8-2-25 Pad Sec.25-T5N-R64W						
Kuner 31-25 - Wellbore #1 - Wellbore #1	14,877.8	6,996.5	490.8	221.2	1.821	CC
Kuner 31-25 - Wellbore #1 - Wellbore #1	14,900.0	6,996.0	491.3	221.1	1.818	ES, SF
Kuner 41-25 - Wellbore #1 - Wellbore #1	16,165.1	6,735.1	456.9	170.9	1.597	CC, ES
Kuner 41-25 - Wellbore #1 - Wellbore #1	16,200.0	6,733.3	458.2	171.2	1.597	SF
Kuner 6-0-25 - Wellbore #1 - Wellbore #1	15,531.4	6,941.0	102.3	-174.9	0.369	Level 1, CC, ES, SF

<b>Offset Design</b>	Connie 5N64W26EF Pad Sec.26-T5N-R64W - Connie 26E-332 - Wellbore #1 - Plan #1 Extension (3-4-											<b>Offset Site Error:</b>	0.0 ft
<b>Survey Program:</b>	0-MWD											<b>Offset Well Error:</b>	0.0 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-145.10	-12.4	-8.6	15.1	15.1	0.00	N/A	
100.0	100.0	100.0	100.0	0.1	0.1	-145.10	-12.4	-8.6	15.1	14.9	0.22	67.169	
200.0	200.0	200.0	200.0	0.3	0.3	-145.10	-12.4	-8.6	15.1	14.4	0.67	22.390	
300.0	300.0	300.0	300.0	0.6	0.6	-145.10	-12.4	-8.6	15.1	14.0	1.12	13.434	
400.0	400.0	400.0	400.0	0.8	0.8	-145.10	-12.4	-8.6	15.1	13.5	1.57	9.596	

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 Connie 26E-402
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Reference Site:</b>	Connie 5N64W26EF Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Connie 26E-402	<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 (3-4-16)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design		Connie 5N64W26EF Pad Sec.26-T5N-R64W - Connie 26E-332 - Wellbore #1 - Plan #1 Extension (3-4-											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)				
500.0	500.0	500.0	500.0	1.0	1.0	-145.10	-12.4	-8.6	15.1	13.1	2.02	7.463			
600.0	600.0	600.0	600.0	1.2	1.2	-145.10	-12.4	-8.6	15.1	12.6	2.47	6.106			
700.0	700.0	700.0	700.0	1.5	1.5	-145.10	-12.4	-8.6	15.1	12.2	2.92	5.167			
800.0	800.0	800.0	800.0	1.7	1.7	-145.10	-12.4	-8.6	15.1	11.7	3.37	4.478			
900.0	900.0	900.0	900.0	1.9	1.9	-145.10	-12.4	-8.6	15.1	11.3	3.82	3.951			
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-145.10	-12.4	-8.6	15.1	10.8	4.27	3.535			
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	-145.10	-12.4	-8.6	15.1	10.4	4.72	3.199			
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	-145.10	-12.4	-8.6	15.1	9.9	5.17	2.920			
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	-145.10	-12.4	-8.6	15.1	9.5	5.62	2.687			
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	-145.10	-12.4	-8.6	15.1	9.0	6.07	2.488			
1,500.0	1,500.0	1,500.0	1,500.0	3.3	3.3	-145.10	-12.4	-8.6	15.1	8.6	6.52	2.316			
1,600.0	1,600.0	1,600.0	1,600.0	3.5	3.5	-145.10	-12.4	-8.6	15.1	8.1	6.97	2.167 CC			
1,700.0	1,700.0	1,700.0	1,700.0	3.7	3.7	-111.64	-12.4	-8.6	15.5	8.1	7.41	2.095			
1,800.0	1,799.9	1,799.9	1,799.9	3.9	3.9	-123.74	-12.4	-8.6	17.4	9.5	7.86	2.210			
1,900.0	1,899.7	1,899.7	1,899.7	4.2	4.2	-138.20	-12.4	-8.6	21.7	13.4	8.30	2.614			
2,000.0	1,999.3	1,999.3	1,999.3	4.4	4.4	-150.20	-12.4	-8.6	29.2	20.4	8.73	3.340			
2,091.5	2,090.2	2,090.2	2,090.2	4.6	4.6	-157.99	-12.4	-8.6	38.8	29.7	9.12	4.252			
2,100.0	2,098.6	2,098.6	2,098.6	4.6	4.6	-158.57	-12.4	-8.6	39.8	30.6	9.16	4.345			
2,200.0	2,197.7	2,197.7	2,197.7	4.9	4.8	-163.74	-12.4	-8.6	52.0	42.4	9.60	5.411			
2,300.0	2,296.9	2,296.9	2,296.9	5.1	5.1	-166.94	-12.4	-8.6	64.4	54.3	10.05	6.408			
2,400.0	2,396.1	2,396.1	2,396.1	5.4	5.3	-169.10	-12.4	-8.6	77.0	66.5	10.50	7.331			
2,500.0	2,495.3	2,495.3	2,495.3	5.7	5.5	-170.65	-12.4	-8.6	89.6	78.6	10.95	8.185			
2,600.0	2,594.4	2,594.4	2,594.4	6.0	5.7	-171.82	-12.4	-8.6	102.3	90.9	11.40	8.975			
2,700.0	2,693.6	2,693.6	2,693.6	6.2	5.9	-172.73	-12.4	-8.6	115.0	103.1	11.85	9.706			
2,800.0	2,792.8	2,792.8	2,792.8	6.5	6.2	-173.46	-12.4	-8.6	127.7	115.4	12.30	10.385			
2,900.0	2,892.0	2,893.0	2,893.0	6.8	6.4	-173.78	-12.4	-9.4	140.2	127.4	12.74	11.000			
3,000.0	2,991.1	2,993.5	2,993.4	7.1	6.6	-173.46	-12.7	-11.9	151.8	138.6	13.17	11.523			
3,100.0	3,090.3	3,094.1	3,093.9	7.4	6.8	-172.63	-13.0	-16.2	162.7	149.1	13.61	11.951			
3,200.0	3,189.5	3,194.7	3,194.4	7.7	7.0	-171.37	-13.6	-22.2	172.8	158.8	14.06	12.295			
3,300.0	3,288.7	3,295.4	3,294.8	8.0	7.2	-169.73	-14.2	-30.0	182.4	167.9	14.51	12.566			
3,400.0	3,387.8	3,396.0	3,395.0	8.3	7.4	-167.77	-15.1	-39.5	191.4	176.5	14.98	12.776			
3,500.0	3,487.0	3,496.5	3,494.8	8.6	7.6	-165.52	-16.1	-50.8	200.1	184.7	15.47	12.935			
3,600.0	3,586.2	3,596.2	3,593.7	8.9	7.9	-163.10	-17.1	-63.4	208.7	192.7	15.97	13.063			
3,700.0	3,685.3	3,695.5	3,692.1	9.2	8.1	-160.84	-18.2	-76.0	217.5	201.0	16.49	13.192			
3,800.0	3,784.5	3,794.7	3,790.6	9.6	8.4	-158.77	-19.4	-88.7	226.7	209.7	17.02	13.324			
3,900.0	3,883.7	3,894.0	3,889.0	9.9	8.6	-156.85	-20.5	-101.4	236.1	218.6	17.55	13.455			
4,000.0	3,982.9	3,993.2	3,987.5	10.2	8.9	-155.09	-21.6	-114.0	245.8	227.7	18.09	13.586			
4,100.0	4,082.0	4,092.5	4,085.9	10.5	9.1	-153.46	-22.7	-126.7	255.7	237.1	18.65	13.716			
4,200.0	4,181.2	4,191.8	4,184.3	10.8	9.4	-151.95	-23.8	-139.4	265.8	246.6	19.20	13.843			
4,300.0	4,280.4	4,291.0	4,282.8	11.1	9.7	-150.55	-24.9	-152.0	276.1	256.3	19.77	13.967			
4,400.0	4,379.6	4,390.3	4,381.2	11.4	10.0	-149.25	-26.0	-164.7	286.5	266.2	20.34	14.088			
4,453.2	4,432.4	4,443.1	4,433.6	11.6	10.1	-148.60	-26.6	-171.5	292.1	271.5	20.64	14.151			
4,500.0	4,478.8	4,489.5	4,479.7	11.7	10.2	-148.05	-27.1	-177.4	296.7	275.8	20.91	14.190			
4,600.0	4,578.3	4,588.9	4,578.2	12.0	10.5	-146.67	-28.2	-190.1	304.6	283.1	21.44	14.204			
4,700.0	4,678.1	4,688.5	4,677.0	12.2	10.8	-145.03	-29.3	-202.4	309.8	287.8	21.95	14.114			
4,800.0	4,778.1	4,788.6	4,776.7	12.3	11.0	-143.57	-30.1	-212.0	312.2	289.9	22.37	13.957			
4,821.9	4,800.0	4,810.6	4,798.6	12.4	11.1	178.64	-30.2	-213.6	312.4	290.3	22.09	14.140			
4,900.0	4,878.1	4,889.2	4,877.1	12.5	11.2	179.45	-30.6	-218.0	312.7	290.3	22.37	13.982			
5,000.0	4,978.1	4,990.1	4,977.9	12.7	11.4	179.92	-30.8	-220.6	312.9	290.2	22.75	13.756			
5,100.0	5,078.1	5,090.3	5,078.1	12.9	11.6	179.93	-30.8	-220.6	312.9	289.8	23.14	13.520			
5,200.0	5,178.1	5,190.3	5,178.1	13.1	11.8	179.93	-30.8	-220.6	312.9	289.4	23.56	13.282			

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 Connie 26E-402
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Reference Site:</b>	Connie 5N64W26EF Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Connie 26E-402	<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 (3-4-16)	<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		
5,300.0	5,278.1	5,290.3	5,278.1	13.3	12.0	179.93	-30.8	-220.6	312.9	289.0	23.98	13.051		
5,400.0	5,378.1	5,390.3	5,378.1	13.4	12.2	179.93	-30.8	-220.6	312.9	288.5	24.40	12.827		
5,500.0	5,478.1	5,490.3	5,478.1	13.6	12.4	179.93	-30.8	-220.6	312.9	288.1	24.82	12.610		
5,600.0	5,578.1	5,590.3	5,578.1	13.8	12.6	179.93	-30.8	-220.6	312.9	287.7	25.24	12.400		
5,700.0	5,678.1	5,690.3	5,678.1	14.0	12.9	179.93	-30.8	-220.6	312.9	287.3	25.66	12.196		
5,800.0	5,778.1	5,790.3	5,778.1	14.2	13.1	179.93	-30.8	-220.6	312.9	286.8	26.08	11.998		
5,866.5	5,844.6	5,856.8	5,844.6	14.4	13.2	179.93	-30.8	-220.6	312.9	286.6	26.36	11.870		
5,900.0	5,878.1	5,890.3	5,878.1	14.4	13.3	179.93	-30.8	-220.6	312.9	286.4	26.50	11.807		
5,915.5	5,893.6	5,905.8	5,893.6	14.5	13.3	179.90	-30.8	-220.5	312.9	286.4	26.57	11.778		
5,979.0	5,957.1	5,969.0	5,956.7	14.6	13.4	179.18	-30.8	-216.5	313.0	286.1	26.83	11.663		
6,000.0	5,978.1	5,989.7	5,977.2	14.6	13.4	88.79	-30.8	-214.1	313.0	285.7	27.27	11.476		
6,050.0	6,028.0	6,038.8	6,025.7	14.7	13.5	87.85	-30.8	-206.1	313.1	285.8	27.39	11.431		
6,100.0	6,077.6	6,087.7	6,073.3	14.8	13.6	86.93	-30.8	-195.1	313.4	285.9	27.50	11.397		
6,150.0	6,126.7	6,136.2	6,119.8	14.8	13.6	86.03	-30.8	-181.2	313.7	286.1	27.58	11.372		
6,200.0	6,175.0	6,184.4	6,165.0	14.9	13.7	85.14	-30.8	-164.5	314.1	286.4	27.66	11.353		
6,250.0	6,222.5	6,232.4	6,208.8	14.9	13.7	84.29	-30.8	-145.1	314.5	286.8	27.74	11.337		
6,300.0	6,268.7	6,280.0	6,251.1	14.9	13.8	83.45	-30.8	-123.1	315.0	287.2	27.83	11.318		
6,350.0	6,313.7	6,327.5	6,291.7	14.9	13.9	82.65	-30.8	-98.6	315.5	287.6	27.94	11.292		
6,400.0	6,357.1	6,374.6	6,330.6	15.0	14.0	81.88	-30.8	-71.9	316.1	288.0	28.09	11.253		
6,450.0	6,398.8	6,421.6	6,367.5	15.0	14.1	81.15	-30.8	-42.9	316.7	288.4	28.29	11.197		
6,500.0	6,438.6	6,468.3	6,402.4	15.0	14.3	80.46	-30.8	-11.8	317.3	288.8	28.55	11.116		
6,550.0	6,476.4	6,514.9	6,435.2	15.0	14.5	79.81	-30.8	21.2	318.0	289.1	28.89	11.006		
6,600.0	6,511.9	6,561.2	6,465.9	15.1	14.8	79.20	-30.8	55.9	318.6	289.3	29.33	10.862		
6,650.0	6,545.1	6,607.4	6,494.3	15.3	15.2	78.64	-30.8	92.4	319.2	289.3	29.88	10.681		
6,700.0	6,575.7	6,653.4	6,520.3	15.6	15.6	78.12	-30.8	130.3	319.8	289.2	30.56	10.464		
6,750.0	6,603.7	6,700.0	6,544.2	16.0	16.1	77.65	-30.8	170.2	320.4	289.0	31.38	10.208		
6,800.0	6,629.0	6,745.1	6,565.1	16.6	16.6	77.24	-30.8	210.2	320.9	288.5	32.34	9.922		
6,850.0	6,651.3	6,790.7	6,583.8	17.2	17.2	76.87	-30.8	251.9	321.3	287.9	33.44	9.608		
6,900.0	6,670.7	6,836.3	6,599.9	17.8	17.9	76.55	-30.8	294.5	321.8	287.1	34.69	9.275		
6,950.0	6,687.0	6,881.8	6,613.4	18.6	18.6	76.28	-30.8	337.9	322.1	286.0	36.07	8.929		
7,000.0	6,700.2	6,927.2	6,624.3	19.4	19.4	76.07	-30.8	382.0	322.4	284.8	37.58	8.579		
7,050.0	6,710.2	6,972.5	6,632.6	20.3	20.3	75.91	-30.8	426.5	322.6	283.4	39.21	8.229		
7,100.0	6,717.0	7,017.9	6,638.2	21.3	21.2	75.80	-30.8	471.5	322.8	281.9	40.93	7.886		
7,150.0	6,720.5	7,063.1	6,641.1	22.3	22.1	75.75	-30.8	516.7	322.9	280.1	42.74	7.553		
7,182.4	6,721.1	7,092.4	6,641.5	22.9	22.7	75.74	-30.8	546.0	322.9	278.9	43.96	7.345		
7,183.1	6,721.1	7,093.1	6,641.5	22.9	22.7	75.74	-30.8	546.6	322.9	278.9	43.98	7.341		
7,200.0	6,721.0	7,109.8	6,641.4	23.3	23.1	75.73	-30.8	563.3	322.9	278.2	44.67	7.229		
7,300.0	6,720.5	7,209.8	6,640.6	25.4	25.2	75.67	-30.8	663.3	323.0	274.1	48.87	6.609		
7,400.0	6,720.1	7,309.8	6,639.9	27.7	27.5	75.62	-30.8	763.3	323.1	269.8	53.29	6.062		
7,500.0	6,719.7	7,409.8	6,639.1	30.1	29.9	75.56	-30.8	863.3	323.1	265.2	57.89	5.582		
7,600.0	6,719.2	7,509.8	6,638.3	32.5	32.4	75.50	-30.8	963.3	323.2	260.6	62.62	5.162		
7,700.0	6,718.8	7,609.8	6,637.6	35.0	34.9	75.45	-30.8	1,063.3	323.3	255.9	67.45	4.793		
7,800.0	6,718.4	7,709.8	6,636.8	37.5	37.4	75.39	-30.8	1,163.3	323.4	251.0	72.37	4.469		
7,900.0	6,717.9	7,809.8	6,636.0	40.1	40.0	75.33	-30.8	1,263.3	323.5	246.1	77.35	4.182		
8,000.0	6,717.5	7,909.8	6,635.3	42.7	42.6	75.28	-30.8	1,363.3	323.6	241.2	82.39	3.927		
8,100.0	6,717.1	8,009.8	6,634.5	45.3	45.3	75.22	-30.8	1,463.3	323.6	236.2	87.47	3.700		
8,200.0	6,716.6	8,109.8	6,633.7	48.0	47.9	75.16	-30.8	1,563.3	323.7	231.1	92.59	3.496		
8,300.0	6,716.2	8,209.8	6,633.0	50.6	50.6	75.11	-30.8	1,663.3	323.8	226.1	97.74	3.313		
8,400.0	6,715.7	8,309.8	6,632.2	53.3	53.3	75.05	-30.8	1,763.3	323.9	221.0	102.91	3.147		
8,500.0	6,715.3	8,409.8	6,631.4	56.0	56.0	74.99	-30.8	1,863.3	324.0	215.9	108.11	2.997		
8,600.0	6,714.9	8,509.8	6,630.7	58.7	58.7	74.94	-30.8	1,963.3	324.1	210.7	113.32	2.860		

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 Connie 26E-402
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Reference Site:</b>	Connie 5N64W26EF Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Connie 26E-402	<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 (3-4-16)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design		Connie 5N64W26EF Pad Sec.26-T5N-R64W - Connie 26E-332 - Wellbore #1 - Plan #1 Extension (3-4-											Offset Site Error:		0.0 ft
Survey Program:		0-MWD											Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)				
8,700.0	6,714.4	8,609.8	6,629.9	61.4	61.4	74.88	-30.8	2,063.3	324.2	205.6	118.55	2.734			
8,800.0	6,714.0	8,709.8	6,629.1	64.1	64.1	74.82	-30.8	2,163.3	324.2	200.5	123.79	2.619			
8,900.0	6,713.6	8,809.8	6,628.3	66.9	66.9	74.77	-30.8	2,263.3	324.3	195.3	129.04	2.513			
9,000.0	6,713.1	8,909.8	6,627.6	69.6	69.6	74.71	-30.8	2,363.2	324.4	190.1	134.30	2.416			
9,100.0	6,712.7	9,009.8	6,626.8	72.3	72.3	74.65	-30.8	2,463.2	324.5	184.9	139.57	2.325			
9,200.0	6,712.3	9,109.8	6,626.0	75.1	75.1	74.60	-30.8	2,563.2	324.6	179.7	144.84	2.241			
9,300.0	6,711.8	9,209.8	6,625.3	77.8	77.8	74.54	-30.8	2,663.2	324.7	174.6	150.13	2.163			
9,400.0	6,711.4	9,309.8	6,624.5	80.6	80.6	74.48	-30.8	2,763.2	324.8	169.4	155.41	2.090			
9,500.0	6,710.9	9,409.8	6,623.7	83.3	83.4	74.43	-30.8	2,863.2	324.9	164.2	160.70	2.021			
9,600.0	6,710.5	9,509.8	6,623.0	86.1	86.1	74.37	-30.8	2,963.2	324.9	159.0	165.99	1.958			
9,700.0	6,710.1	9,609.8	6,622.2	88.9	88.9	74.32	-30.8	3,063.2	325.0	153.7	171.29	1.898			
9,800.0	6,709.6	9,709.7	6,621.4	91.6	91.7	74.26	-30.8	3,163.2	325.1	148.5	176.59	1.841			
9,900.0	6,709.2	9,809.7	6,620.7	94.4	94.4	74.20	-30.8	3,263.2	325.2	143.3	181.89	1.788			
10,000.0	6,708.8	9,909.7	6,619.9	97.2	97.2	74.15	-30.8	3,363.2	325.3	138.1	187.19	1.738			
10,100.0	6,708.3	10,009.7	6,619.1	99.9	100.0	74.09	-30.8	3,463.2	325.4	132.9	192.49	1.690			
10,200.0	6,707.9	10,109.7	6,618.4	102.7	102.8	74.03	-30.8	3,563.2	325.5	127.7	197.79	1.646			
10,300.0	6,707.5	10,209.7	6,617.6	105.5	105.5	73.98	-30.8	3,663.2	325.6	122.5	203.10	1.603			
10,400.0	6,707.0	10,309.7	6,616.8	108.3	108.3	73.92	-30.8	3,763.2	325.7	117.3	208.40	1.563			
10,500.0	6,706.6	10,409.7	6,616.1	111.1	111.1	73.87	-30.8	3,863.2	325.8	112.1	213.70	1.524			
10,600.0	6,706.1	10,509.7	6,615.3	113.8	113.9	73.81	-30.8	3,963.2	325.9	106.8	219.01	1.488	Level 3		
10,700.0	6,705.7	10,609.7	6,614.5	116.6	116.7	73.75	-30.8	4,063.2	325.9	101.6	224.31	1.453	Level 3		
10,800.0	6,705.3	10,709.7	6,613.8	119.4	119.5	73.70	-30.8	4,163.2	326.0	96.4	229.61	1.420	Level 3		
10,900.0	6,704.8	10,809.7	6,613.0	122.2	122.3	73.64	-30.8	4,263.2	326.1	91.2	234.91	1.388	Level 3		
11,000.0	6,704.4	10,909.7	6,612.2	125.0	125.0	73.59	-30.8	4,363.2	326.2	86.0	240.21	1.358	Level 3		
11,100.0	6,704.0	11,009.7	6,611.5	127.8	127.8	73.53	-30.8	4,463.2	326.3	80.8	245.51	1.329	Level 3		
11,200.0	6,703.5	11,109.7	6,610.7	130.6	130.6	73.48	-30.8	4,563.2	326.4	75.6	250.80	1.301	Level 3		
11,300.0	6,703.1	11,209.7	6,609.9	133.3	133.4	73.42	-30.8	4,663.2	326.5	70.4	256.10	1.275	Level 3		
11,400.0	6,702.7	11,309.7	6,609.1	136.1	136.2	73.36	-30.8	4,763.2	326.6	65.2	261.39	1.249	Level 2		
11,500.0	6,702.2	11,409.7	6,608.4	138.9	139.0	73.31	-30.8	4,863.2	326.7	60.0	266.68	1.225	Level 2		
11,600.0	6,701.8	11,509.7	6,607.6	141.7	141.8	73.25	-30.8	4,963.2	326.8	54.8	271.97	1.202	Level 2		
11,700.0	6,701.3	11,609.7	6,606.8	144.5	144.6	73.20	-30.8	5,063.2	326.9	49.6	277.26	1.179	Level 2		
11,800.0	6,700.9	11,709.7	6,606.1	147.3	147.4	73.14	-30.8	5,163.2	327.0	44.4	282.55	1.157	Level 2		
11,900.0	6,700.5	11,809.7	6,605.3	150.1	150.2	73.09	-30.8	5,263.1	327.1	39.3	287.83	1.136	Level 2		
12,000.0	6,700.0	11,909.7	6,604.5	152.9	153.0	73.03	-30.8	5,363.1	327.2	34.1	293.12	1.116	Level 2		
12,100.0	6,699.6	12,009.7	6,603.8	155.7	155.8	72.97	-30.8	5,463.1	327.3	28.9	298.40	1.097	Level 2		
12,200.0	6,699.2	12,109.7	6,603.0	158.5	158.6	72.92	-30.8	5,563.1	327.4	23.7	303.67	1.078	Level 2		
12,300.0	6,698.7	12,209.7	6,602.2	161.3	161.4	72.86	-30.8	5,663.1	327.5	18.5	308.95	1.060	Level 2		
12,400.0	6,698.3	12,309.7	6,601.5	164.1	164.2	72.81	-30.8	5,763.1	327.6	13.4	314.22	1.042	Level 2		
12,500.0	6,697.9	12,409.7	6,600.7	166.9	167.0	72.75	-30.8	5,863.1	327.7	8.2	319.49	1.026	Level 2		
12,600.0	6,697.4	12,509.7	6,599.9	169.7	169.8	72.70	-30.9	5,963.1	327.8	3.0	324.76	1.009	Level 2		
12,700.0	6,697.0	12,609.7	6,599.2	172.5	172.6	72.64	-30.9	6,063.1	327.9	-2.2	330.03	0.993	Level 1		
12,800.0	6,696.5	12,709.7	6,598.4	175.3	175.4	72.59	-30.9	6,163.1	328.0	-7.3	335.29	0.978	Level 1		
12,900.0	6,696.1	12,809.7	6,597.6	178.1	178.2	72.53	-30.9	6,263.1	328.1	-12.5	340.55	0.963	Level 1		
13,000.0	6,695.7	12,909.7	6,596.9	180.9	181.0	72.48	-30.9	6,363.1	328.2	-17.6	345.81	0.949	Level 1		
13,100.0	6,695.2	13,009.7	6,596.1	183.7	183.8	72.42	-30.9	6,463.1	328.3	-22.8	351.06	0.935	Level 1		
13,200.0	6,694.8	13,109.7	6,595.3	186.5	186.6	72.37	-30.9	6,563.1	328.4	-27.9	356.32	0.922	Level 1		
13,300.0	6,694.4	13,209.7	6,594.6	189.3	189.4	72.31	-30.9	6,663.1	328.5	-33.1	361.57	0.908	Level 1		
13,400.0	6,693.9	13,309.7	6,593.8	192.1	192.2	72.26	-30.9	6,763.1	328.6	-38.2	366.81	0.896	Level 1		
13,500.0	6,693.5	13,409.7	6,593.0	194.9	195.0	72.20	-30.9	6,863.1	328.7	-43.4	372.06	0.883	Level 1		
13,600.0	6,693.1	13,509.7	6,592.3	197.7	197.8	72.15	-30.9	6,963.1	328.8	-48.5	377.30	0.871	Level 1		
13,700.0	6,692.6	13,609.7	6,591.5	200.5	200.6	72.09	-30.9	7,063.1	328.9	-53.7	382.54	0.860	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 Connie 26E-402
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Reference Site:</b>	Connie 5N64W26EF Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Connie 26E-402	<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 (3-4-16)	<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)				
13,800.0	6,692.2	13,709.7	6,590.7	203.3	203.4	72.04	-30.9	7,163.1	329.0	-58.8	387.77	0.848	Level 1		
13,900.0	6,691.7	13,809.7	6,590.0	206.1	206.2	71.98	-30.9	7,263.1	329.1	-63.9	393.00	0.837	Level 1		
14,000.0	6,691.3	13,909.7	6,589.2	208.9	209.0	71.93	-30.9	7,363.1	329.2	-69.1	398.23	0.827	Level 1		
14,100.0	6,690.9	14,009.7	6,588.4	211.7	211.8	71.87	-30.9	7,463.1	329.3	-74.2	403.46	0.816	Level 1		
14,200.0	6,690.4	14,109.7	6,587.6	214.5	214.6	71.82	-30.9	7,563.1	329.4	-79.3	408.68	0.806	Level 1		
14,300.0	6,690.0	14,209.7	6,586.9	217.3	217.4	71.76	-30.9	7,663.1	329.5	-84.4	413.90	0.796	Level 1		
14,400.0	6,689.6	14,309.7	6,586.1	220.1	220.2	71.71	-30.9	7,763.1	329.6	-89.5	419.12	0.786	Level 1		
14,500.0	6,689.1	14,409.7	6,585.3	222.9	223.0	71.65	-30.9	7,863.1	329.7	-94.6	424.34	0.777	Level 1		
14,600.0	6,688.7	14,509.7	6,584.6	225.7	225.8	71.60	-30.9	7,963.1	329.8	-99.7	429.55	0.768	Level 1		
14,700.0	6,688.3	14,609.7	6,583.8	228.5	228.6	71.54	-30.9	8,063.1	329.9	-104.8	434.76	0.759	Level 1		
14,800.0	6,687.8	14,709.7	6,583.0	231.3	231.4	71.49	-30.9	8,163.0	330.0	-109.9	439.96	0.750	Level 1		
14,900.0	6,687.4	14,809.7	6,582.3	234.1	234.2	71.43	-30.9	8,263.0	330.1	-115.0	445.16	0.742	Level 1		
15,000.0	6,686.9	14,909.7	6,581.5	236.9	237.0	71.38	-30.9	8,363.0	330.2	-120.1	450.36	0.733	Level 1		
15,100.0	6,686.5	15,009.7	6,580.7	239.7	239.8	71.32	-30.9	8,463.0	330.3	-125.2	455.56	0.725	Level 1		
15,200.0	6,686.1	15,109.7	6,580.0	242.5	242.6	71.27	-30.9	8,563.0	330.4	-130.3	460.75	0.717	Level 1		
15,300.0	6,685.6	15,209.7	6,579.2	245.3	245.4	71.22	-30.9	8,663.0	330.5	-135.4	465.94	0.709	Level 1		
15,400.0	6,685.2	15,309.7	6,578.4	248.1	248.2	71.16	-30.9	8,763.0	330.7	-140.5	471.12	0.702	Level 1		
15,500.0	6,684.8	15,409.7	6,577.7	250.9	251.0	71.11	-30.9	8,863.0	330.8	-145.5	476.31	0.694	Level 1		
15,600.0	6,684.3	15,509.7	6,576.9	253.7	253.8	71.05	-30.9	8,963.0	330.9	-150.6	481.49	0.687	Level 1		
15,700.0	6,683.9	15,609.7	6,576.1	256.5	256.6	71.00	-30.9	9,063.0	331.0	-155.7	486.66	0.680	Level 1		
15,800.0	6,683.5	15,709.7	6,575.4	259.4	259.4	70.94	-30.9	9,163.0	331.1	-160.8	491.84	0.673	Level 1		
15,900.0	6,683.0	15,809.7	6,574.6	262.2	262.2	70.89	-30.9	9,263.0	331.2	-165.8	497.00	0.666	Level 1		
16,000.0	6,682.6	15,909.7	6,573.8	265.0	265.0	70.84	-30.9	9,363.0	331.3	-170.9	502.17	0.660	Level 1		
16,100.0	6,682.1	16,009.7	6,573.1	267.8	267.9	70.78	-30.9	9,463.0	331.4	-175.9	507.33	0.653	Level 1		
16,200.0	6,681.7	16,109.7	6,572.3	270.6	270.7	70.73	-30.9	9,563.0	331.5	-181.0	512.49	0.647	Level 1		
16,300.0	6,681.3	16,209.7	6,571.5	273.4	273.5	70.67	-30.9	9,663.0	331.6	-186.0	517.65	0.641	Level 1		
16,362.7	6,681.0	16,272.4	6,571.0	275.1	275.2	70.64	-30.9	9,725.7	331.7	-189.2	520.88	0.637 Level 1, ES, SF			

<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Connie 26E-402
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Reference Site:</b>	Connie 5N64W26EF Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Connie 26E-402	<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 (3-4-16)	<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
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Distance Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	-145.11	-24.8	-17.3	30.2					
100.0	100.0	100.0	100.0	0.1	0.1	-145.11	-24.8	-17.3	30.2	30.0	0.22	134.352		
200.0	200.0	200.0	200.0	0.3	0.3	-145.11	-24.8	-17.3	30.2	29.5	0.67	44.784		
300.0	300.0	300.0	300.0	0.6	0.6	-145.11	-24.8	-17.3	30.2	29.1	1.12	26.870		
400.0	400.0	400.0	400.0	0.8	0.8	-145.11	-24.8	-17.3	30.2	28.6	1.57	19.193		
500.0	500.0	500.0	500.0	1.0	1.0	-145.11	-24.8	-17.3	30.2	28.2	2.02	14.928		
600.0	600.0	600.0	600.0	1.2	1.2	-145.11	-24.8	-17.3	30.2	27.7	2.47	12.214		
700.0	700.0	700.0	700.0	1.5	1.5	-145.11	-24.8	-17.3	30.2	27.3	2.92	10.335		
800.0	800.0	800.0	800.0	1.7	1.7	-145.11	-24.8	-17.3	30.2	26.8	3.37	8.957		
900.0	900.0	900.0	900.0	1.9	1.9	-145.11	-24.8	-17.3	30.2	26.4	3.82	7.903		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-145.11	-24.8	-17.3	30.2	25.9	4.27	7.071		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	-145.11	-24.8	-17.3	30.2	25.5	4.72	6.398		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	-145.11	-24.8	-17.3	30.2	25.0	5.17	5.841		
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	-145.11	-24.8	-17.3	30.2	24.6	5.62	5.374		
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	-145.11	-24.8	-17.3	30.2	24.1	6.07	4.976 CC, ES		
1,500.0	1,500.0	1,499.2	1,499.2	3.3	3.2	-145.37	-25.9	-17.9	31.5	25.0	6.49	4.852		
1,600.0	1,600.0	1,598.3	1,598.2	3.5	3.4	-146.04	-29.3	-19.7	35.4	28.5	6.89	5.134		
1,700.0	1,700.0	1,697.0	1,696.7	3.7	3.6	-110.38	-34.9	-22.8	42.3	35.0	7.29	5.793		
1,800.0	1,799.9	1,795.2	1,794.5	3.9	3.8	-114.69	-42.7	-27.0	52.8	45.1	7.70	6.859		
1,900.0	1,899.7	1,892.4	1,891.1	4.2	4.0	-119.25	-52.6	-32.4	67.4	59.2	8.11	8.301		
2,000.0	1,999.3	1,990.2	1,988.0	4.4	4.2	-123.41	-64.1	-38.6	85.4	76.8	8.54	10.001		
2,091.5	2,090.2	2,079.7	2,076.7	4.6	4.4	-126.88	-74.8	-44.4	103.6	94.6	8.93	11.599		
2,100.0	2,098.6	2,088.0	2,084.8	4.6	4.5	-127.20	-75.7	-44.9	105.3	96.4	8.97	11.747		
2,200.0	2,197.7	2,185.6	2,181.5	4.9	4.7	-130.33	-87.3	-51.2	126.3	116.9	9.41	13.421		
2,300.0	2,296.9	2,283.1	2,278.2	5.1	5.0	-132.56	-98.8	-57.4	147.5	137.7	9.87	14.954		
2,400.0	2,396.1	2,380.7	2,374.9	5.4	5.2	-134.23	-110.4	-63.7	168.9	158.6	10.33	16.356		
2,500.0	2,495.3	2,478.3	2,471.6	5.7	5.5	-135.52	-122.0	-70.0	190.4	179.6	10.80	17.635		
2,600.0	2,594.4	2,575.9	2,568.3	6.0	5.8	-136.55	-133.5	-76.2	212.0	200.7	11.27	18.804		
2,700.0	2,693.6	2,673.5	2,665.0	6.2	6.1	-137.39	-145.1	-82.5	233.6	221.9	11.76	19.873		
2,800.0	2,792.8	2,771.0	2,761.7	6.5	6.4	-138.09	-156.6	-88.8	255.3	243.1	12.24	20.853		
2,900.0	2,892.0	2,868.6	2,858.4	6.8	6.7	-138.68	-168.2	-95.0	277.0	264.3	12.73	21.753		
3,000.0	2,991.1	2,966.2	2,955.1	7.1	7.0	-139.18	-179.7	-101.3	298.7	285.5	13.23	22.582		
3,100.0	3,090.3	3,063.8	3,051.8	7.4	7.3	-139.62	-191.3	-107.6	320.5	306.7	13.73	23.347		
3,200.0	3,189.5	3,161.4	3,148.4	7.7	7.6	-140.00	-202.9	-113.8	342.2	328.0	14.23	24.054		
3,300.0	3,288.7	3,259.0	3,245.1	8.0	7.9	-140.33	-214.4	-120.1	364.0	349.3	14.73	24.710		
3,400.0	3,387.8	3,356.5	3,341.8	8.3	8.2	-140.63	-226.0	-126.4	385.8	370.5	15.24	25.318		
3,500.0	3,487.0	3,454.1	3,438.5	8.6	8.5	-140.89	-237.5	-132.6	407.6	391.8	15.75	25.885		
3,600.0	3,586.2	3,551.7	3,535.2	8.9	8.9	-141.13	-249.1	-138.9	429.4	413.1	16.26	26.414		
3,700.0	3,685.3	3,649.3	3,631.9	9.2	9.2	-141.35	-260.6	-145.2	451.2	434.4	16.77	26.907		
3,800.0	3,784.5	3,746.9	3,728.6	9.6	9.5	-141.54	-272.2	-151.4	473.0	455.7	17.28	27.370		
3,900.0	3,883.7	3,844.4	3,825.3	9.9	9.8	-141.72	-283.8	-157.7	494.8	477.0	17.80	27.803		
4,000.0	3,982.9	3,942.0	3,922.0	10.2	10.1	-141.88	-295.3	-164.0	516.6	498.3	18.31	28.211		
4,100.0	4,082.0	4,039.6	4,018.7	10.5	10.5	-142.03	-306.9	-170.2	538.4	519.6	18.83	28.594		
4,200.0	4,181.2	4,137.2	4,115.4	10.8	10.8	-142.17	-318.4	-176.5	560.2	540.9	19.35	28.955		
4,300.0	4,280.4	4,234.8	4,212.1	11.1	11.1	-142.30	-330.0	-182.8	582.1	562.2	19.87	29.296		
4,400.0	4,379.6	4,332.3	4,308.7	11.4	11.4	-142.42	-341.5	-189.0	603.9	583.5	20.39	29.618		
4,453.2	4,432.4	4,384.3	4,360.2	11.6	11.6	-142.48	-347.7	-192.4	615.5	594.9	20.67	29.782		
4,500.0	4,478.8	4,430.0	4,405.5	11.7	11.8	-142.63	-353.1	-195.3	625.4	604.5	20.92	29.895		
4,600.0	4,578.3	4,528.1	4,502.7	12.0	12.1	-142.78	-364.7	-201.6	644.6	623.2	21.41	30.106		
4,700.0	4,678.1	4,626.7	4,600.4	12.2	12.4	-142.72	-376.4	-207.9	661.1	639.2	21.88	30.218		
4,800.0	4,778.1	4,747.7	4,720.6	12.3	12.7	-142.43	-389.0	-214.8	673.5	651.2	22.34	30.152		

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 Connie 26E-402
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Reference Site:</b>	Connie 5N64W26EF Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Connie 26E-402	<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 (3-4-16)	<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		
4,821.9	4,800.0	4,775.2	4,747.9	12.4	12.8	179.57	-391.2	-216.0	675.3	651.3	23.99	28.151		
4,900.0	4,878.1	4,873.5	4,846.0	12.5	13.0	179.86	-397.3	-219.3	680.2	655.9	24.33	27.955		
5,000.0	4,978.1	4,999.9	4,972.3	12.7	13.2	-179.98	-400.9	-221.2	683.0	658.2	24.76	27.588		
5,100.0	5,078.1	5,105.7	5,078.1	12.9	13.4	-179.98	-401.0	-221.3	683.1	657.9	25.13	27.177		
5,200.0	5,178.1	5,205.7	5,178.1	13.1	13.6	-179.98	-401.0	-221.3	683.1	657.6	25.50	26.792		
5,300.0	5,278.1	5,305.7	5,278.1	13.3	13.7	-179.98	-401.0	-221.3	683.1	657.2	25.86	26.416		
5,400.0	5,378.1	5,405.7	5,378.1	13.4	13.9	-179.98	-401.0	-221.3	683.1	656.8	26.22	26.047		
5,500.0	5,478.1	5,505.7	5,478.1	13.6	14.0	-179.98	-401.0	-221.3	683.1	656.5	26.59	25.686		
5,600.0	5,578.1	5,605.7	5,578.1	13.8	14.2	-179.98	-401.0	-221.3	683.1	656.1	26.96	25.333		
5,700.0	5,678.1	5,705.7	5,678.1	14.0	14.4	-179.98	-401.0	-221.3	683.1	655.7	27.34	24.987		
5,800.0	5,778.1	5,805.7	5,778.1	14.2	14.5	-179.98	-401.0	-221.3	683.1	655.4	27.71	24.648		
5,844.0	5,822.1	5,849.6	5,822.1	14.3	14.6	-180.00	-401.0	-221.0	683.1	655.2	27.88	24.502		
5,900.0	5,878.1	5,905.5	5,877.7	14.4	14.7	179.70	-401.0	-217.5	683.1	655.0	28.08	24.323		
5,979.0	5,957.1	5,982.7	5,954.0	14.6	14.8	178.73	-401.0	-205.9	683.2	654.9	28.37	24.085		
6,000.0	5,978.1	6,002.8	5,973.7	14.6	14.8	88.39	-401.0	-201.6	683.4	656.3	27.10	25.217		
6,050.0	6,028.0	6,050.0	6,019.4	14.7	14.8	87.59	-401.0	-189.6	683.7	656.5	27.22	25.115		
6,100.0	6,077.6	6,097.2	6,064.2	14.8	14.9	86.79	-401.0	-174.7	684.2	656.9	27.33	25.034		
6,150.0	6,126.7	6,143.6	6,107.3	14.8	14.9	86.01	-401.0	-157.5	684.8	657.4	27.42	24.971		
6,200.0	6,175.0	6,189.6	6,148.8	14.9	14.9	85.25	-401.0	-137.8	685.5	658.0	27.51	24.918		
6,250.0	6,222.5	6,235.1	6,188.7	14.9	14.9	84.51	-401.0	-116.0	686.3	658.7	27.60	24.866		
6,300.0	6,268.7	6,280.1	6,226.8	14.9	15.0	83.80	-401.0	-92.0	687.2	659.5	27.70	24.806		
6,350.0	6,313.7	6,324.8	6,263.2	14.9	15.0	83.11	-401.0	-66.1	688.2	660.3	27.83	24.727		
6,400.0	6,357.1	6,369.1	6,297.7	15.0	15.0	82.46	-401.0	-38.3	689.2	661.2	27.99	24.618		
6,450.0	6,398.8	6,413.0	6,330.2	15.0	15.0	81.83	-401.0	-8.8	690.2	662.0	28.21	24.467		
6,500.0	6,438.6	6,456.7	6,360.9	15.0	15.0	81.24	-401.0	22.3	691.3	662.8	28.49	24.263		
6,550.0	6,476.4	6,500.0	6,389.5	15.0	15.1	80.69	-401.0	54.8	692.4	663.5	28.86	23.993		
6,600.0	6,511.9	6,543.0	6,416.0	15.1	15.1	80.17	-401.0	88.7	693.4	664.1	29.33	23.640		
6,650.0	6,545.1	6,585.8	6,440.5	15.3	15.3	79.68	-401.0	123.8	694.4	664.5	29.91	23.217		
6,700.0	6,575.7	6,628.4	6,462.8	15.6	15.6	79.24	-401.0	160.0	695.4	664.8	30.62	22.714		
6,750.0	6,603.7	6,670.8	6,483.0	16.0	16.1	78.84	-401.0	197.3	696.3	664.9	31.45	22.139		
6,800.0	6,629.0	6,713.0	6,501.0	16.6	16.6	78.48	-401.0	235.5	697.2	664.8	32.43	21.501		
6,850.0	6,651.3	6,755.1	6,516.9	17.2	17.2	78.16	-401.0	274.4	698.0	664.5	33.54	20.812		
6,900.0	6,670.7	6,800.0	6,531.4	17.8	17.9	77.87	-401.0	316.9	698.7	663.9	34.83	20.059		
6,950.0	6,687.0	6,838.8	6,541.9	18.6	18.6	77.66	-401.0	354.3	699.3	663.1	36.18	19.329		
7,000.0	6,700.2	6,880.5	6,551.1	19.4	19.3	77.47	-401.0	394.9	699.8	662.1	37.68	18.569		
7,050.0	6,710.2	6,922.2	6,558.1	20.3	20.1	77.33	-401.0	436.0	700.1	660.8	39.30	17.816		
7,100.0	6,717.0	6,963.7	6,562.7	21.3	21.0	77.23	-401.0	477.3	700.4	659.4	41.01	17.079		
7,150.0	6,720.5	7,005.3	6,565.2	22.3	21.8	77.18	-401.0	518.8	700.5	657.7	42.80	16.368		
7,182.4	6,721.1	7,033.7	6,565.5	22.9	22.4	77.17	-401.0	547.2	700.6	656.5	44.03	15.912		
7,184.0	6,721.0	7,033.7	6,565.5	23.0	22.4	77.17	-401.0	547.2	700.6	656.5	44.06	15.900		
7,200.0	6,721.0	7,049.5	6,565.4	23.3	22.8	77.17	-401.0	563.0	700.6	655.8	44.72	15.666		
7,300.0	6,720.5	7,149.5	6,564.8	25.4	25.0	77.16	-401.0	663.0	700.6	651.6	48.98	14.303		
7,400.0	6,720.1	7,249.5	6,564.2	27.7	27.3	77.15	-401.0	763.0	700.6	647.2	53.46	13.105		
7,500.0	6,719.7	7,349.5	6,563.7	30.1	29.7	77.13	-401.0	863.0	700.7	642.6	58.11	12.057		
7,600.0	6,719.2	7,449.5	6,563.1	32.5	32.1	77.12	-401.0	963.0	700.7	637.8	62.90	11.140		
7,700.0	6,718.8	7,549.5	6,562.5	35.0	34.7	77.11	-401.0	1,063.0	700.7	632.9	67.79	10.337		
7,800.0	6,718.4	7,649.5	6,561.9	37.5	37.2	77.10	-401.0	1,163.0	700.8	628.0	72.76	9.631		
7,900.0	6,717.9	7,749.5	6,561.3	40.1	39.8	77.08	-401.0	1,263.0	700.8	623.0	77.81	9.007		
8,000.0	6,717.5	7,849.5	6,560.7	42.7	42.4	77.07	-401.0	1,363.0	700.8	617.9	82.90	8.454		
8,100.0	6,717.1	7,949.5	6,560.1	45.3	45.1	77.06	-401.0	1,463.0	700.9	612.8	88.05	7.960		
8,200.0	6,716.6	8,049.5	6,559.5	48.0	47.7	77.05	-401.0	1,563.0	700.9	607.7	93.23	7.518		

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 Connie 26E-402
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Reference Site:</b>	Connie 5N64W26EF Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Connie 26E-402	<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 (3-4-16)	<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	
8,300.0	6,716.2	8,149.5	6,558.9	50.6	50.4	77.03	-401.0	1,663.0	700.9	602.5	98.44	7.120	
8,400.0	6,715.7	8,249.5	6,558.3	53.3	53.1	77.02	-401.0	1,763.0	701.0	597.3	103.69	6.761	
8,500.0	6,715.3	8,349.5	6,557.7	56.0	55.8	77.01	-401.0	1,863.0	701.0	592.1	108.95	6.434	
8,600.0	6,714.9	8,449.5	6,557.1	58.7	58.5	77.00	-401.0	1,963.0	701.1	586.8	114.23	6.137	
8,700.0	6,714.4	8,549.5	6,556.5	61.4	61.2	76.98	-401.0	2,063.0	701.1	581.6	119.53	5.865	
8,800.0	6,714.0	8,649.5	6,555.9	64.1	64.0	76.97	-401.0	2,163.0	701.1	576.3	124.85	5.616	
8,900.0	6,713.6	8,749.5	6,555.3	66.9	66.7	76.96	-401.0	2,263.0	701.2	571.0	130.18	5.386	
9,000.0	6,713.1	8,849.5	6,554.8	69.6	69.4	76.95	-401.0	2,363.0	701.2	565.7	135.52	5.174	
9,100.0	6,712.7	8,949.5	6,554.2	72.3	72.2	76.93	-401.0	2,463.0	701.2	560.4	140.87	4.978	
9,200.0	6,712.3	9,049.5	6,553.6	75.1	74.9	76.92	-401.0	2,563.0	701.3	555.0	146.23	4.796	
9,300.0	6,711.8	9,149.5	6,553.0	77.8	77.7	76.91	-401.0	2,663.0	701.3	549.7	151.59	4.626	
9,400.0	6,711.4	9,249.5	6,552.4	80.6	80.4	76.90	-401.0	2,763.0	701.3	544.4	156.97	4.468	
9,500.0	6,710.9	9,349.5	6,551.8	83.3	83.2	76.88	-401.0	2,863.0	701.4	539.0	162.35	4.320	
9,600.0	6,710.5	9,449.5	6,551.2	86.1	86.0	76.87	-401.0	2,963.0	701.4	533.7	167.73	4.182	
9,700.0	6,710.1	9,549.5	6,550.6	88.9	88.7	76.86	-401.0	3,063.0	701.4	528.3	173.12	4.052	
9,800.0	6,709.6	9,649.5	6,550.0	91.6	91.5	76.85	-401.0	3,163.0	701.5	523.0	178.52	3.929	
9,900.0	6,709.2	9,749.5	6,549.4	94.4	94.3	76.83	-401.0	3,262.9	701.5	517.6	183.92	3.814	
10,000.0	6,708.8	9,849.5	6,548.8	97.2	97.1	76.82	-401.0	3,362.9	701.6	512.2	189.32	3.706	
10,100.0	6,708.3	9,949.5	6,548.2	99.9	99.8	76.81	-401.0	3,462.9	701.6	506.9	194.73	3.603	
10,200.0	6,707.9	10,049.5	6,547.6	102.7	102.6	76.80	-401.0	3,562.9	701.6	501.5	200.13	3.506	
10,300.0	6,707.5	10,149.5	6,547.0	105.5	105.4	76.78	-401.0	3,662.9	701.7	496.1	205.55	3.414	
10,400.0	6,707.0	10,249.5	6,546.4	108.3	108.2	76.77	-401.0	3,762.9	701.7	490.7	210.96	3.326	
10,500.0	6,706.6	10,349.5	6,545.9	111.1	111.0	76.76	-401.0	3,862.9	701.7	485.4	216.38	3.243	
10,600.0	6,706.1	10,449.5	6,545.3	113.8	113.7	76.75	-401.0	3,962.9	701.8	480.0	221.80	3.164	
10,700.0	6,705.7	10,549.5	6,544.7	116.6	116.5	76.73	-401.0	4,062.9	701.8	474.6	227.22	3.089	
10,800.0	6,705.3	10,649.5	6,544.1	119.4	119.3	76.72	-401.0	4,162.9	701.8	469.2	232.64	3.017	
10,900.0	6,704.8	10,749.5	6,543.5	122.2	122.1	76.71	-401.0	4,262.9	701.9	463.8	238.06	2.948	
11,000.0	6,704.4	10,849.5	6,542.9	125.0	124.9	76.70	-401.0	4,362.9	701.9	458.4	243.49	2.883	
11,100.0	6,704.0	10,949.5	6,542.3	127.8	127.7	76.68	-401.0	4,462.9	701.9	453.0	248.91	2.820	
11,200.0	6,703.5	11,049.5	6,541.7	130.6	130.5	76.67	-401.0	4,562.9	702.0	447.6	254.34	2.760	
11,300.0	6,703.1	11,149.5	6,541.1	133.3	133.3	76.66	-401.0	4,662.9	702.0	442.3	259.77	2.702	
11,400.0	6,702.7	11,249.5	6,540.5	136.1	136.1	76.65	-401.0	4,762.9	702.1	436.9	265.20	2.647	
11,500.0	6,702.2	11,349.5	6,539.9	138.9	138.9	76.63	-401.0	4,862.9	702.1	431.5	270.63	2.594	
11,600.0	6,701.8	11,449.5	6,539.3	141.7	141.6	76.62	-401.0	4,962.9	702.1	426.1	276.06	2.543	
11,700.0	6,701.3	11,549.5	6,538.7	144.5	144.4	76.61	-401.0	5,062.9	702.2	420.7	281.49	2.494	
11,800.0	6,700.9	11,649.5	6,538.1	147.3	147.2	76.60	-401.0	5,162.9	702.2	415.3	286.92	2.447	
11,900.0	6,700.5	11,749.5	6,537.5	150.1	150.0	76.58	-401.0	5,262.9	702.2	409.9	292.35	2.402	
12,000.0	6,700.0	11,849.5	6,537.0	152.9	152.8	76.57	-401.0	5,362.9	702.3	404.5	297.79	2.358	
12,100.0	6,699.6	11,949.5	6,536.4	155.7	155.6	76.56	-401.0	5,462.9	702.3	399.1	303.22	2.316	
12,200.0	6,699.2	12,049.5	6,535.8	158.5	158.4	76.55	-401.0	5,562.9	702.3	393.7	308.66	2.276	
12,300.0	6,698.7	12,149.5	6,535.2	161.3	161.2	76.53	-401.0	5,662.9	702.4	388.3	314.09	2.236	
12,400.0	6,698.3	12,249.5	6,534.6	164.1	164.0	76.52	-401.0	5,762.9	702.4	382.9	319.53	2.198	
12,500.0	6,697.9	12,349.5	6,534.0	166.9	166.8	76.51	-401.0	5,862.9	702.5	377.5	324.96	2.162	
12,600.0	6,697.4	12,449.5	6,533.4	169.7	169.6	76.50	-401.0	5,962.9	702.5	372.1	330.40	2.126	
12,700.0	6,697.0	12,549.5	6,532.8	172.5	172.4	76.48	-401.0	6,062.9	702.5	366.7	335.83	2.092	
12,800.0	6,696.5	12,649.5	6,532.2	175.3	175.2	76.47	-401.0	6,162.9	702.6	361.3	341.27	2.059	
12,900.0	6,696.1	12,749.5	6,531.6	178.1	178.0	76.46	-401.0	6,262.9	702.6	355.9	346.70	2.027	
13,000.0	6,695.7	12,849.5	6,531.0	180.9	180.8	76.45	-401.0	6,362.9	702.6	350.5	352.14	1.995	
13,100.0	6,695.2	12,949.5	6,530.4	183.7	183.6	76.43	-401.0	6,462.9	702.7	345.1	357.57	1.965	
13,200.0	6,694.8	13,049.5	6,529.8	186.5	186.4	76.42	-401.0	6,562.9	702.7	339.7	363.01	1.936	
13,300.0	6,694.4	13,149.5	6,529.2	189.3	189.2	76.41	-401.0	6,662.9	702.8	334.3	368.45	1.907	

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 Connie 26E-402
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Reference Site:</b>	Connie 5N64W26EF Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Connie 26E-402	<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 (3-4-16)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design		Connie 5N64W26EF Pad Sec.26-T5N-R64W - Connie 26F-212 - 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	6,693.9	13,249.5	6,528.6	192.1	192.0	76.40	-401.0	6,762.9	702.8	328.9	373.88	1.880		
13,500.0	6,693.5	13,349.5	6,528.0	194.9	194.8	76.38	-401.0	6,862.9	702.8	323.5	379.32	1.853		
13,600.0	6,693.1	13,449.5	6,527.5	197.7	197.6	76.37	-401.0	6,962.9	702.9	318.1	384.75	1.827		
13,700.0	6,692.6	13,549.5	6,526.9	200.5	200.4	76.36	-401.0	7,062.9	702.9	312.7	390.19	1.801		
13,800.0	6,692.2	13,649.5	6,526.3	203.3	203.2	76.35	-401.0	7,162.9	702.9	307.3	395.62	1.777		
13,900.0	6,691.7	13,749.5	6,525.7	206.1	206.0	76.34	-401.0	7,262.9	703.0	301.9	401.06	1.753		
14,000.0	6,691.3	13,849.5	6,525.1	208.9	208.8	76.32	-401.0	7,362.9	703.0	296.5	406.49	1.729		
14,100.0	6,690.9	13,949.5	6,524.5	211.7	211.6	76.31	-401.0	7,462.9	703.0	291.1	411.93	1.707		
14,200.0	6,690.4	14,049.5	6,523.9	214.5	214.4	76.30	-401.0	7,562.9	703.1	285.7	417.36	1.685		
14,300.0	6,690.0	14,149.5	6,523.3	217.3	217.2	76.29	-401.0	7,662.9	703.1	280.3	422.80	1.663		
14,400.0	6,689.6	14,249.5	6,522.7	220.1	220.0	76.27	-401.0	7,762.9	703.2	274.9	428.23	1.642		
14,500.0	6,689.1	14,349.5	6,522.1	222.9	222.8	76.26	-401.0	7,862.9	703.2	269.5	433.67	1.622		
14,600.0	6,688.7	14,449.5	6,521.5	225.7	225.6	76.25	-401.0	7,962.9	703.2	264.1	439.10	1.602		
14,700.0	6,688.3	14,549.5	6,520.9	228.5	228.5	76.24	-401.0	8,062.9	703.3	258.7	444.53	1.582		
14,800.0	6,687.8	14,649.5	6,520.3	231.3	231.3	76.22	-401.0	8,162.9	703.3	253.3	449.97	1.563		
14,900.0	6,687.4	14,749.5	6,519.7	234.1	234.1	76.21	-401.0	8,262.9	703.3	247.9	455.40	1.544		
15,000.0	6,686.9	14,849.5	6,519.1	236.9	236.9	76.20	-401.0	8,362.9	703.4	242.6	460.83	1.526		
15,100.0	6,686.5	14,949.5	6,518.6	239.7	239.7	76.19	-401.0	8,462.9	703.4	237.2	466.27	1.509		
15,200.0	6,686.1	15,049.5	6,518.0	242.5	242.5	76.17	-401.0	8,562.8	703.5	231.8	471.70	1.491	Level 3	
15,300.0	6,685.6	15,149.5	6,517.4	245.3	245.3	76.16	-401.0	8,662.8	703.5	226.4	477.13	1.474	Level 3	
15,400.0	6,685.2	15,249.5	6,516.8	248.1	248.1	76.15	-401.0	8,762.8	703.5	221.0	482.56	1.458	Level 3	
15,500.0	6,684.8	15,349.5	6,516.2	250.9	250.9	76.14	-401.0	8,862.8	703.6	215.6	487.99	1.442	Level 3	
15,600.0	6,684.3	15,449.5	6,515.6	253.7	253.7	76.12	-401.0	8,962.8	703.6	210.2	493.42	1.426	Level 3	
15,700.0	6,683.9	15,549.5	6,515.0	256.5	256.5	76.11	-401.0	9,062.8	703.6	204.8	498.85	1.411	Level 3	
15,800.0	6,683.5	15,649.5	6,514.4	259.4	259.3	76.10	-401.0	9,162.8	703.7	199.4	504.28	1.395	Level 3	
15,900.0	6,683.0	15,749.5	6,513.8	262.2	262.1	76.09	-401.0	9,262.8	703.7	194.0	509.71	1.381	Level 3	
16,000.0	6,682.6	15,849.5	6,513.2	265.0	264.9	76.07	-401.0	9,362.8	703.8	188.6	515.14	1.366	Level 3	
16,100.0	6,682.1	15,949.5	6,512.6	267.8	267.7	76.06	-401.0	9,462.8	703.8	183.2	520.57	1.352	Level 3	
16,200.0	6,681.7	16,049.5	6,512.0	270.6	270.5	76.05	-401.0	9,562.8	703.8	177.8	526.00	1.338	Level 3	
16,300.0	6,681.3	16,149.5	6,511.4	273.4	273.3	76.04	-401.0	9,662.8	703.9	172.4	531.43	1.325	Level 3	
16,362.7	6,681.0	16,212.2	6,511.1	275.1	275.1	76.03	-401.0	9,725.5	703.9	169.1	534.83	1.316	Level 3, SF	

<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Connie 26E-402
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Reference Site:</b>	Connie 5N64W26EF Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Connie 26E-402	<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 (3-4-16)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: -10-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	-9.0	-9.0	0.0	0.0	-144.84	-36.8	-25.9	45.0	45.0	0.00	N/A		
100.0	100.0	91.0	91.0	0.1	0.2	-144.84	-36.8	-25.9	45.0	44.7	0.33	137.129		
200.0	200.0	191.0	191.0	0.3	0.4	-144.84	-36.8	-25.9	45.0	44.2	0.78	57.864		
300.0	300.0	291.0	291.0	0.6	0.7	-144.84	-36.8	-25.9	45.0	43.8	1.23	36.668		
400.0	400.0	391.0	391.0	0.8	0.9	-144.84	-36.8	-25.9	45.0	43.3	1.68	26.838		
500.0	500.0	491.0	491.0	1.0	1.1	-144.84	-36.8	-25.9	45.0	42.9	2.13	21.164		
600.0	600.0	591.0	591.0	1.2	1.3	-144.84	-36.8	-25.9	45.0	42.4	2.58	17.470		
700.0	700.0	691.0	691.0	1.5	1.6	-144.84	-36.8	-25.9	45.0	42.0	3.03	14.874		
800.0	800.0	791.0	791.0	1.7	1.8	-144.84	-36.8	-25.9	45.0	41.5	3.47	12.950		
900.0	900.0	891.0	891.0	1.9	2.0	-144.84	-36.8	-25.9	45.0	41.1	3.92	11.467		
966.3	966.3	957.3	957.3	2.1	2.2	-144.84	-36.8	-25.9	45.0	40.8	4.22	10.657 CC		
1,000.0	1,000.0	991.0	991.0	2.1	2.2	-144.84	-36.8	-25.9	45.0	40.6	4.37	10.289 ES		
1,100.0	1,100.0	1,089.9	1,089.9	2.4	2.4	-145.36	-38.0	-26.3	46.3	41.5	4.77	9.697		
1,200.0	1,200.0	1,188.6	1,188.5	2.6	2.6	-146.73	-41.7	-27.4	50.0	44.8	5.17	9.664		
1,300.0	1,300.0	1,287.1	1,286.8	2.8	2.8	-148.60	-47.9	-29.2	56.2	50.6	5.58	10.070		
1,400.0	1,400.0	1,385.2	1,384.5	3.0	3.0	-150.61	-56.4	-31.7	65.0	59.0	6.01	10.826		
1,500.0	1,500.0	1,482.7	1,481.4	3.3	3.2	-152.50	-67.2	-35.0	76.4	69.9	6.44	11.858		
1,600.0	1,600.0	1,579.6	1,577.3	3.5	3.4	-154.17	-80.3	-38.9	90.3	83.4	6.89	13.107		
1,700.0	1,700.0	1,675.6	1,672.0	3.7	3.7	-117.87	-95.6	-43.4	107.3	100.0	7.28	14.739		
1,800.0	1,799.9	1,773.2	1,767.9	3.9	4.0	-120.21	-112.6	-48.5	127.2	119.5	7.71	16.498		
1,900.0	1,899.7	1,870.6	1,863.7	4.2	4.3	-122.70	-129.5	-53.5	148.8	140.6	8.14	18.265		
2,000.0	1,999.3	1,967.6	1,959.1	4.4	4.7	-125.20	-146.4	-58.6	172.0	163.4	8.58	20.042		
2,091.5	2,090.2	2,055.9	2,045.9	4.6	5.0	-127.44	-161.7	-63.2	194.9	185.9	8.99	21.687		
2,100.0	2,098.6	2,064.0	2,053.9	4.6	5.0	-127.67	-163.1	-63.6	197.1	188.0	9.02	21.838		
2,200.0	2,197.7	2,160.2	2,148.5	4.9	5.3	-130.02	-179.9	-68.6	223.1	213.6	9.48	23.529		
2,300.0	2,296.9	2,256.4	2,243.0	5.1	5.7	-131.87	-196.6	-73.5	249.5	239.5	9.95	25.070		
2,400.0	2,396.1	2,352.5	2,337.6	5.4	6.1	-133.38	-213.3	-78.5	276.0	265.6	10.43	26.472		
2,500.0	2,495.3	2,448.7	2,432.2	5.7	6.4	-134.62	-230.1	-83.5	302.8	291.8	10.91	27.749		
2,600.0	2,594.4	2,544.9	2,526.8	6.0	6.8	-135.66	-246.8	-88.5	329.6	318.2	11.40	28.914		
2,700.0	2,693.6	2,641.1	2,621.4	6.2	7.2	-136.54	-263.5	-93.5	356.5	344.6	11.89	29.979		
2,800.0	2,792.8	2,737.3	2,715.9	6.5	7.5	-137.30	-280.3	-98.5	383.4	371.0	12.39	30.954		
2,900.0	2,892.0	2,833.4	2,810.5	6.8	7.9	-137.96	-297.0	-103.5	410.5	397.6	12.89	31.850		
3,000.0	2,991.1	2,929.6	2,905.1	7.1	8.3	-138.54	-313.7	-108.5	437.5	424.1	13.39	32.674		
3,100.0	3,090.3	3,025.8	2,999.7	7.4	8.7	-139.05	-330.4	-113.4	464.6	450.7	13.90	33.435		
3,200.0	3,189.5	3,122.0	3,094.3	7.7	9.1	-139.51	-347.2	-118.4	491.8	477.4	14.40	34.138		
3,300.0	3,288.7	3,218.1	3,188.9	8.0	9.4	-139.91	-363.9	-123.4	518.9	504.0	14.92	34.791		
3,400.0	3,387.8	3,314.3	3,283.4	8.3	9.8	-140.28	-380.6	-128.4	546.1	530.7	15.43	35.397		
3,500.0	3,487.0	3,410.5	3,378.0	8.6	10.2	-140.61	-397.4	-133.4	573.3	557.4	15.94	35.961		
3,600.0	3,586.2	3,506.7	3,472.6	8.9	10.6	-140.91	-414.1	-138.4	600.5	584.1	16.46	36.487		
3,700.0	3,685.3	3,602.9	3,567.2	9.2	11.0	-141.19	-430.8	-143.4	627.8	610.8	16.98	36.979		
3,800.0	3,784.5	3,699.0	3,661.8	9.6	11.4	-141.44	-447.6	-148.4	655.0	637.5	17.49	37.440		
3,900.0	3,883.7	3,795.2	3,756.3	9.9	11.8	-141.68	-464.3	-153.3	682.3	664.2	18.01	37.872		
4,000.0	3,982.9	3,891.4	3,850.9	10.2	12.2	-141.89	-481.0	-158.3	709.5	691.0	18.54	38.279		
4,100.0	4,082.0	3,987.6	3,945.5	10.5	12.6	-142.09	-497.8	-163.3	736.8	717.7	19.06	38.661		
4,200.0	4,181.2	4,083.8	4,040.1	10.8	12.9	-142.27	-514.5	-168.3	764.1	744.5	19.58	39.022		
4,300.0	4,280.4	4,179.9	4,134.7	11.1	13.3	-142.45	-531.2	-173.3	791.4	771.3	20.10	39.362		
4,400.0	4,379.6	4,276.1	4,229.2	11.4	13.7	-142.61	-547.9	-178.3	818.6	798.0	20.63	39.684		
4,453.2	4,432.4	4,327.3	4,279.6	11.6	13.9	-142.69	-556.9	-180.9	833.2	812.3	20.91	39.849		
4,500.0	4,478.8	4,372.4	4,323.9	11.7	14.1	-142.90	-564.7	-183.3	845.7	824.5	21.17	39.939		
4,600.0	4,578.3	4,469.3	4,419.2	12.0	14.5	-143.21	-581.5	-188.3	870.4	848.7	21.69	40.127		
4,700.0	4,678.1	4,566.8	4,515.1	12.2	14.9	-143.34	-598.5	-193.4	892.3	870.2	22.18	40.231		

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 Connie 26E-402
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Reference Site:</b>	Connie 5N64W26EF Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Connie 26E-402	<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 (3-4-16)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design		Connie 5N64W26EF Pad Sec.26-T5N-R64W - Connie 26F-302 - Wellbore #1 - Plan #1 Extension (3-4-1)											Offset Site Error:		0.0 ft
Survey Program:		-10-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			
4,800.0	4,778.1	4,664.8	4,611.5	12.3	15.3	-143.31	-615.6	-198.4	911.6	889.0	22.64	40.262			
4,821.9	4,800.0	4,686.4	4,632.7	12.4	15.4	178.64	-619.3	-199.6	915.4	888.7	26.77	34.203			
4,900.0	4,878.1	4,763.2	4,708.2	12.5	15.7	178.91	-632.7	-203.5	929.0	901.7	27.21	34.136			
5,000.0	4,978.1	4,873.2	4,816.5	12.7	16.2	179.27	-651.6	-209.2	946.1	918.3	27.83	33.997			
5,100.0	5,078.1	5,018.4	4,960.1	12.9	16.5	179.65	-671.6	-215.1	959.9	931.5	28.42	33.778			
5,200.0	5,178.1	5,165.3	5,106.4	13.1	16.9	179.88	-684.7	-219.0	968.8	939.9	28.93	33.491			
5,300.0	5,278.1	5,313.3	5,254.2	13.3	17.1	179.99	-690.6	-220.8	972.8	943.5	29.37	33.118			
5,400.0	5,378.1	5,428.2	5,369.1	13.4	17.3	179.99	-691.0	-220.9	973.1	943.3	29.73	32.725			
5,500.0	5,478.1	5,528.2	5,469.1	13.6	17.4	179.99	-691.0	-220.9	973.1	943.0	30.06	32.368			
5,600.0	5,578.1	5,628.2	5,569.1	13.8	17.5	179.99	-691.0	-220.9	973.1	942.7	30.39	32.017			
5,700.0	5,678.1	5,728.2	5,669.1	14.0	17.6	179.99	-691.0	-220.9	973.1	942.3	30.73	31.670			
5,800.0	5,778.1	5,828.2	5,769.1	14.2	17.8	179.99	-691.0	-220.9	973.1	942.0	31.06	31.327			
5,900.0	5,878.1	5,928.2	5,869.1	14.4	17.9	179.99	-691.0	-220.9	973.1	941.7	31.40	30.990			
5,924.8	5,902.9	5,952.9	5,893.9	14.5	17.9	179.98	-691.0	-220.7	973.1	941.6	31.48	30.907			
5,979.0	5,957.1	6,007.0	5,947.8	14.6	18.0	179.80	-691.0	-217.7	973.1	941.4	31.67	30.727			
6,000.0	5,978.1	6,027.8	5,968.5	14.6	18.0	89.69	-691.0	-215.5	973.1	945.3	27.74	35.078			
6,050.0	6,028.0	6,077.1	6,017.2	14.7	18.1	89.42	-691.0	-208.0	973.1	945.2	27.88	34.898			
6,100.0	6,077.6	6,126.1	6,065.1	14.8	18.1	89.16	-691.0	-197.5	973.2	945.2	28.01	34.749			
6,150.0	6,126.7	6,174.8	6,111.9	14.8	18.1	88.90	-691.0	-184.1	973.2	945.1	28.11	34.625			
6,200.0	6,175.0	6,223.3	6,157.6	14.9	18.2	88.64	-691.0	-167.8	973.3	945.1	28.20	34.517			
6,250.0	6,222.5	6,271.5	6,201.8	14.9	18.2	88.40	-691.0	-148.7	973.4	945.2	28.29	34.415			
6,300.0	6,268.7	6,319.5	6,244.6	14.9	18.2	88.15	-691.0	-127.0	973.6	945.2	28.38	34.308			
6,350.0	6,313.7	6,367.3	6,285.8	14.9	18.2	87.92	-691.0	-102.7	973.7	945.2	28.49	34.179			
6,400.0	6,357.1	6,414.8	6,325.1	15.0	18.2	87.70	-691.0	-76.1	973.9	945.2	28.63	34.011			
6,450.0	6,398.8	6,462.1	6,362.6	15.0	18.3	87.48	-691.0	-47.2	974.0	945.2	28.83	33.786			
6,500.0	6,438.6	6,509.3	6,398.1	15.0	18.3	87.28	-691.0	-16.2	974.2	945.1	29.09	33.486			
6,550.0	6,476.4	6,556.2	6,431.4	15.0	18.3	87.09	-691.0	16.8	974.3	944.9	29.44	33.094			
6,600.0	6,511.9	6,603.0	6,462.6	15.1	18.4	86.90	-691.0	51.7	974.5	944.6	29.90	32.594			
6,650.0	6,545.1	6,650.0	6,491.7	15.3	18.4	86.74	-691.0	88.6	974.6	944.2	30.48	31.978			
6,700.0	6,575.7	6,696.1	6,518.0	15.6	18.5	86.58	-691.0	126.4	974.8	943.6	31.20	31.247			
6,750.0	6,603.7	6,742.4	6,542.0	16.0	18.6	86.44	-691.0	166.0	974.9	942.9	32.06	30.405			
6,800.0	6,629.0	6,788.6	6,563.6	16.6	18.8	86.31	-691.0	206.9	975.1	942.0	33.09	29.470			
6,850.0	6,651.3	6,834.7	6,582.6	17.2	19.1	86.20	-691.0	248.9	975.2	940.9	34.26	28.461			
6,900.0	6,670.7	6,880.8	6,599.1	17.8	19.5	86.11	-691.0	291.9	975.3	939.7	35.59	27.401			
6,950.0	6,687.0	6,926.7	6,612.9	18.6	20.0	86.02	-691.0	335.7	975.4	938.3	37.07	26.315			
7,000.0	6,700.2	6,972.6	6,624.0	19.4	20.6	85.96	-691.0	380.2	975.5	936.8	38.67	25.224			
7,050.0	6,710.2	7,018.4	6,632.4	20.3	21.3	85.91	-691.0	425.3	975.5	935.2	40.40	24.150			
7,100.0	6,717.0	7,064.2	6,638.1	21.3	22.1	85.87	-691.0	470.7	975.6	933.4	42.22	23.107			
7,150.0	6,720.5	7,110.0	6,641.1	22.3	22.9	85.86	-691.0	516.4	975.6	931.5	44.13	22.108			
7,182.4	6,721.1	7,139.6	6,641.5	22.9	23.5	85.85	-691.0	546.0	975.6	930.2	45.40	21.489			
7,182.7	6,721.1	7,140.0	6,641.5	22.9	23.5	85.85	-691.0	546.3	975.6	930.2	45.42	21.482			
7,200.0	6,721.0	7,157.0	6,641.4	23.3	23.8	85.85	-691.0	563.4	975.6	929.5	46.13	21.149			
7,300.0	6,720.5	7,257.0	6,640.6	25.4	25.9	85.83	-691.0	663.4	975.6	925.2	50.45	19.337			
7,400.0	6,720.1	7,357.0	6,639.9	27.7	28.2	85.81	-691.0	763.4	975.7	920.7	55.00	17.740			
7,500.0	6,719.7	7,457.0	6,639.1	30.1	30.5	85.79	-691.0	863.4	975.7	916.0	59.72	16.337			
7,600.0	6,719.2	7,557.0	6,638.3	32.5	32.9	85.77	-691.0	963.4	975.7	911.1	64.59	15.107			
7,700.0	6,718.8	7,657.0	6,637.6	35.0	35.3	85.75	-691.0	1,063.4	975.7	906.2	69.56	14.027			
7,800.0	6,718.4	7,757.0	6,636.8	37.5	37.8	85.74	-691.0	1,163.4	975.8	901.1	74.63	13.075			
7,900.0	6,717.9	7,857.0	6,636.0	40.1	40.4	85.72	-691.0	1,263.4	975.8	896.0	79.77	12.233			
8,000.0	6,717.5	7,957.0	6,635.3	42.7	43.0	85.70	-691.0	1,363.4	975.8	890.9	84.96	11.485			
8,100.0	6,717.1	8,057.0	6,634.5	45.3	45.6	85.68	-691.0	1,463.3	975.8	885.6	90.21	10.818			

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 Connie 26E-402
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Reference Site:</b>	Connie 5N64W26EF Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Connie 26E-402	<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 (3-4-16)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:		0.0 ft
Survey Program: -10-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			
8,200.0	6,716.6	8,157.0	6,633.7	48.0	48.2	85.66	-691.0	1,563.3	975.9	880.4	95.49	10.219			
8,300.0	6,716.2	8,257.0	6,633.0	50.6	50.9	85.64	-691.0	1,663.3	975.9	875.1	100.81	9.680			
8,400.0	6,715.7	8,357.0	6,632.2	53.3	53.5	85.62	-691.0	1,763.3	975.9	869.8	106.16	9.193			
8,500.0	6,715.3	8,457.0	6,631.4	56.0	56.2	85.60	-691.0	1,863.3	975.9	864.4	111.53	8.750			
8,600.0	6,714.9	8,557.0	6,630.7	58.7	58.9	85.58	-691.0	1,963.3	976.0	859.0	116.93	8.347			
8,700.0	6,714.4	8,657.0	6,629.9	61.4	61.6	85.56	-691.0	2,063.3	976.0	853.7	122.34	7.978			
8,800.0	6,714.0	8,757.0	6,629.1	64.1	64.3	85.54	-691.0	2,163.3	976.0	848.3	127.77	7.639			
8,900.0	6,713.6	8,857.0	6,628.4	66.9	67.0	85.52	-691.0	2,263.3	976.0	842.8	133.21	7.327			
9,000.0	6,713.1	8,957.0	6,627.6	69.6	69.8	85.50	-691.0	2,363.3	976.1	837.4	138.66	7.039			
9,100.0	6,712.7	9,057.0	6,626.8	72.3	72.5	85.48	-691.0	2,463.3	976.1	832.0	144.13	6.772			
9,200.0	6,712.3	9,157.0	6,626.0	75.1	75.3	85.46	-691.0	2,563.3	976.1	826.5	149.60	6.525			
9,300.0	6,711.8	9,257.0	6,625.3	77.8	78.0	85.44	-691.0	2,663.3	976.1	821.1	155.09	6.294			
9,400.0	6,711.4	9,357.0	6,624.5	80.6	80.7	85.42	-691.0	2,763.3	976.2	815.6	160.58	6.079			
9,500.0	6,710.9	9,457.0	6,623.7	83.3	83.5	85.41	-691.0	2,863.3	976.2	810.1	166.08	5.878			
9,600.0	6,710.5	9,557.0	6,623.0	86.1	86.3	85.39	-691.0	2,963.3	976.2	804.6	171.58	5.690			
9,700.0	6,710.1	9,657.0	6,622.2	88.9	89.0	85.37	-691.0	3,063.3	976.3	799.2	177.09	5.513			
9,800.0	6,709.6	9,757.0	6,621.4	91.6	91.8	85.35	-691.0	3,163.3	976.3	793.7	182.61	5.346			
9,900.0	6,709.2	9,857.0	6,620.7	94.4	94.5	85.33	-691.0	3,263.3	976.3	788.2	188.13	5.190			
10,000.0	6,708.8	9,957.0	6,619.9	97.2	97.3	85.31	-691.0	3,363.3	976.3	782.7	193.65	5.042			
10,100.0	6,708.3	10,057.0	6,619.1	99.9	100.1	85.29	-691.0	3,463.3	976.4	777.2	199.18	4.902			
10,200.0	6,707.9	10,157.0	6,618.4	102.7	102.9	85.27	-691.0	3,563.3	976.4	771.7	204.71	4.770			
10,300.0	6,707.5	10,257.0	6,617.6	105.5	105.6	85.25	-691.0	3,663.3	976.4	766.2	210.24	4.644			
10,400.0	6,707.0	10,357.0	6,616.8	108.3	108.4	85.23	-691.0	3,763.3	976.4	760.7	215.78	4.525			
10,500.0	6,706.6	10,457.0	6,616.1	111.1	111.2	85.21	-691.0	3,863.3	976.5	755.2	221.32	4.412			
10,600.0	6,706.1	10,557.0	6,615.3	113.8	114.0	85.19	-691.0	3,963.3	976.5	749.6	226.86	4.304			
10,700.0	6,705.7	10,657.0	6,614.5	116.6	116.7	85.17	-691.0	4,063.3	976.5	744.1	232.41	4.202			
10,800.0	6,705.3	10,757.0	6,613.8	119.4	119.5	85.15	-691.0	4,163.3	976.6	738.6	237.95	4.104			
10,900.0	6,704.8	10,857.0	6,613.0	122.2	122.3	85.13	-691.0	4,263.3	976.6	733.1	243.50	4.011			
11,000.0	6,704.4	10,957.0	6,612.2	125.0	125.1	85.11	-691.0	4,363.2	976.6	727.6	249.05	3.921			
11,100.0	6,704.0	11,057.0	6,611.5	127.8	127.9	85.10	-691.0	4,463.2	976.6	722.0	254.60	3.836			
11,200.0	6,703.5	11,157.0	6,610.7	130.6	130.7	85.08	-691.0	4,563.2	976.7	716.5	260.16	3.754			
11,300.0	6,703.1	11,257.0	6,609.9	133.3	133.5	85.06	-691.0	4,663.2	976.7	711.0	265.71	3.676			
11,400.0	6,702.7	11,357.0	6,609.2	136.1	136.2	85.04	-691.0	4,763.2	976.7	705.5	271.27	3.601			
11,500.0	6,702.2	11,457.0	6,608.4	138.9	139.0	85.02	-691.0	4,863.2	976.8	699.9	276.82	3.528			
11,600.0	6,701.8	11,557.0	6,607.6	141.7	141.8	85.00	-691.0	4,963.2	976.8	694.4	282.38	3.459			
11,700.0	6,701.3	11,657.0	6,606.9	144.5	144.6	84.98	-691.0	5,063.2	976.8	688.9	287.94	3.392			
11,800.0	6,700.9	11,757.0	6,606.1	147.3	147.4	84.96	-691.0	5,163.2	976.8	683.3	293.50	3.328			
11,900.0	6,700.5	11,857.0	6,605.3	150.1	150.2	84.94	-691.0	5,263.2	976.9	677.8	299.06	3.266			
12,000.0	6,700.0	11,957.0	6,604.5	152.9	153.0	84.92	-691.0	5,363.2	976.9	672.3	304.62	3.207			
12,100.0	6,699.6	12,057.0	6,603.8	155.7	155.8	84.90	-691.0	5,463.2	976.9	666.7	310.18	3.150			
12,200.0	6,699.2	12,157.0	6,603.0	158.5	158.6	84.88	-691.0	5,563.2	977.0	661.2	315.75	3.094			
12,300.0	6,698.7	12,257.0	6,602.2	161.3	161.4	84.86	-691.0	5,663.2	977.0	655.7	321.31	3.041			
12,400.0	6,698.3	12,357.0	6,601.5	164.1	164.2	84.84	-691.0	5,763.2	977.0	650.1	326.87	2.989			
12,500.0	6,697.9	12,457.0	6,600.7	166.9	167.0	84.82	-691.0	5,863.2	977.1	644.6	332.44	2.939			
12,600.0	6,697.4	12,557.0	6,599.9	169.7	169.8	84.80	-691.0	5,963.2	977.1	639.1	338.00	2.891			
12,700.0	6,697.0	12,657.0	6,599.2	172.5	172.6	84.79	-691.0	6,063.2	977.1	633.5	343.57	2.844			
12,800.0	6,696.5	12,757.0	6,598.4	175.3	175.4	84.77	-691.0	6,163.2	977.1	628.0	349.13	2.799			
12,900.0	6,696.1	12,857.0	6,597.6	178.1	178.2	84.75	-691.0	6,263.2	977.2	622.5	354.70	2.755			
13,000.0	6,695.7	12,957.0	6,596.9	180.9	181.0	84.73	-691.0	6,363.2	977.2	616.9	360.26	2.712			
13,100.0	6,695.2	13,057.0	6,596.1	183.7	183.7	84.71	-691.0	6,463.2	977.2	611.4	365.83	2.671			
13,200.0	6,694.8	13,157.0	6,595.3	186.5	186.5	84.69	-691.0	6,563.2	977.3	605.9	371.40	2.631			

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 Connie 26E-402
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Reference Site:</b>	Connie 5N64W26EF Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Connie 26E-402	<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 (3-4-16)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: -10-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		
13,300.0	6,694.4	13,257.0	6,594.6	189.3	189.3	84.67	-691.0	6,663.2	977.3	600.3	376.96	2.593		
13,400.0	6,693.9	13,357.0	6,593.8	192.1	192.1	84.65	-691.0	6,763.2	977.3	594.8	382.53	2.555		
13,500.0	6,693.5	13,457.0	6,593.0	194.9	194.9	84.63	-691.0	6,863.2	977.4	589.3	388.10	2.518		
13,600.0	6,693.1	13,557.0	6,592.3	197.7	197.7	84.61	-691.0	6,963.2	977.4	583.7	393.67	2.483		
13,700.0	6,692.6	13,657.0	6,591.5	200.5	200.5	84.59	-691.0	7,063.2	977.4	578.2	399.23	2.448		
13,800.0	6,692.2	13,757.0	6,590.7	203.3	203.3	84.57	-691.0	7,163.2	977.5	572.7	404.80	2.415		
13,900.0	6,691.7	13,857.0	6,590.0	206.1	206.1	84.55	-691.0	7,263.1	977.5	567.1	410.37	2.382		
14,000.0	6,691.3	13,957.0	6,589.2	208.9	208.9	84.53	-691.0	7,363.1	977.5	561.6	415.94	2.350		
14,100.0	6,690.9	14,057.0	6,588.4	211.7	211.8	84.51	-691.0	7,463.1	977.5	556.0	421.50	2.319		
14,200.0	6,690.4	14,157.0	6,587.7	214.5	214.6	84.49	-691.0	7,563.1	977.6	550.5	427.07	2.289		
14,300.0	6,690.0	14,257.0	6,586.9	217.3	217.4	84.48	-691.0	7,663.1	977.6	545.0	432.64	2.260		
14,400.0	6,689.6	14,357.0	6,586.1	220.1	220.2	84.46	-691.0	7,763.1	977.6	539.4	438.21	2.231		
14,500.0	6,689.1	14,457.0	6,585.3	222.9	223.0	84.44	-691.0	7,863.1	977.7	533.9	443.77	2.203		
14,600.0	6,688.7	14,557.0	6,584.6	225.7	225.8	84.42	-691.0	7,963.1	977.7	528.4	449.34	2.176		
14,700.0	6,688.3	14,657.0	6,583.8	228.5	228.6	84.40	-691.0	8,063.1	977.7	522.8	454.91	2.149		
14,800.0	6,687.8	14,757.0	6,583.0	231.3	231.4	84.38	-691.0	8,163.1	977.8	517.3	460.48	2.123		
14,900.0	6,687.4	14,857.0	6,582.3	234.1	234.2	84.36	-691.0	8,263.1	977.8	511.8	466.04	2.098		
15,000.0	6,686.9	14,957.0	6,581.5	236.9	237.0	84.34	-691.0	8,363.1	977.8	506.2	471.61	2.073		
15,100.0	6,686.5	15,057.0	6,580.7	239.7	239.8	84.32	-691.0	8,463.1	977.9	500.7	477.18	2.049		
15,200.0	6,686.1	15,157.0	6,580.0	242.5	242.6	84.30	-691.0	8,563.1	977.9	495.2	482.74	2.026		
15,300.0	6,685.6	15,257.0	6,579.2	245.3	245.4	84.28	-691.0	8,663.1	977.9	489.6	488.31	2.003		
15,400.0	6,685.2	15,357.0	6,578.4	248.1	248.2	84.26	-691.0	8,763.1	978.0	484.1	493.88	1.980		
15,500.0	6,684.8	15,457.0	6,577.7	250.9	251.0	84.24	-691.0	8,863.1	978.0	478.6	499.44	1.958		
15,600.0	6,684.3	15,557.0	6,576.9	253.7	253.8	84.22	-691.0	8,963.1	978.0	473.0	505.01	1.937		
15,700.0	6,683.9	15,657.0	6,576.1	256.5	256.6	84.20	-691.0	9,063.1	978.1	467.5	510.58	1.916		
15,800.0	6,683.5	15,757.0	6,575.4	259.4	259.4	84.19	-691.0	9,163.1	978.1	462.0	516.14	1.895		
15,900.0	6,683.0	15,857.0	6,574.6	262.2	262.2	84.17	-691.0	9,263.1	978.1	456.4	521.71	1.875		
16,000.0	6,682.6	15,957.0	6,573.8	265.0	265.0	84.15	-691.0	9,363.1	978.2	450.9	527.27	1.855		
16,100.0	6,682.1	16,057.0	6,573.1	267.8	267.8	84.13	-691.0	9,463.1	978.2	445.4	532.84	1.836		
16,200.0	6,681.7	16,157.0	6,572.3	270.6	270.6	84.11	-691.0	9,563.1	978.2	439.8	538.40	1.817		
16,300.0	6,681.3	16,257.0	6,571.5	273.4	273.4	84.09	-691.0	9,663.1	978.3	434.3	543.97	1.798		
16,362.7	6,681.0	16,319.6	6,571.0	275.1	275.2	84.08	-691.0	9,725.7	978.3	430.8	547.45	1.787 SF		



<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Connie 26E-402
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Reference Site:</b>	Connie 5N64W26EF Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Connie 26E-402	<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 (3-4-16)	<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	1.0	1.0	0.0	0.0	-144.91	-49.2	-34.5	60.1	60.1	0.00	N/A		
100.0	100.0	101.0	101.0	0.1	0.1	-144.91	-49.2	-34.5	60.1	59.9	0.23	264.744		
200.0	200.0	201.0	201.0	0.3	0.3	-144.91	-49.2	-34.5	60.1	59.4	0.68	88.835		
300.0	300.0	301.0	301.0	0.6	0.6	-144.91	-49.2	-34.5	60.1	59.0	1.13	53.372		
400.0	400.0	401.0	401.0	0.8	0.8	-144.91	-49.2	-34.5	60.1	58.5	1.58	38.144		
500.0	500.0	501.0	501.0	1.0	1.0	-144.91	-49.2	-34.5	60.1	58.1	2.03	29.677		
600.0	600.0	601.0	601.0	1.2	1.2	-144.91	-49.2	-34.5	60.1	57.6	2.47	24.286		
700.0	700.0	701.0	701.0	1.5	1.5	-144.91	-49.2	-34.5	60.1	57.2	2.92	20.553		
766.3	766.3	767.3	767.3	1.6	1.6	-144.91	-49.2	-34.5	60.1	56.9	3.22	18.651 CC		
800.0	800.0	801.0	801.0	1.7	1.7	-144.91	-49.2	-34.5	60.1	56.7	3.37	17.816 ES		
900.0	900.0	900.0	900.0	1.9	1.9	-145.41	-50.5	-34.8	61.3	57.5	3.79	16.164		
1,000.0	1,000.0	998.0	997.9	2.1	2.1	-146.76	-54.2	-35.5	64.9	60.7	4.19	15.481		
1,100.0	1,100.0	1,096.1	1,095.8	2.4	2.2	-148.70	-60.4	-36.7	70.9	66.3	4.60	15.404 SF		
1,200.0	1,200.0	1,193.9	1,193.2	2.6	2.4	-150.91	-69.1	-38.4	79.5	74.4	5.03	15.794		
1,300.0	1,300.0	1,291.2	1,289.8	2.8	2.7	-153.13	-80.1	-40.6	90.5	85.0	5.47	16.542		
1,400.0	1,400.0	1,387.8	1,385.5	3.0	2.9	-155.19	-93.5	-43.2	104.1	98.2	5.93	17.560		
1,500.0	1,500.0	1,483.7	1,480.0	3.3	3.2	-157.02	-109.1	-46.3	120.3	113.9	6.41	18.781		
1,600.0	1,600.0	1,578.7	1,573.3	3.5	3.5	-158.59	-126.8	-49.7	139.0	132.1	6.90	20.148		
1,700.0	1,700.0	1,672.5	1,665.0	3.7	3.9	-121.95	-146.6	-53.6	160.8	153.6	7.20	22.328		
1,800.0	1,799.9	1,768.8	1,758.7	3.9	4.3	-123.73	-168.2	-57.8	185.6	178.0	7.65	24.271		
1,900.0	1,899.7	1,865.0	1,852.3	4.2	4.7	-125.60	-189.8	-62.0	212.0	203.9	8.09	26.213		
2,000.0	1,999.3	1,960.5	1,945.3	4.4	5.1	-127.47	-211.2	-66.2	240.2	231.7	8.53	28.158		
2,091.5	2,090.2	2,047.4	2,029.9	4.6	5.5	-129.16	-230.8	-70.0	267.7	258.7	8.94	29.941		
2,100.0	2,098.6	2,055.4	2,037.7	4.6	5.5	-129.34	-232.6	-70.4	270.3	261.3	8.98	30.102		
2,200.0	2,197.7	2,150.1	2,129.8	4.9	5.9	-131.27	-253.8	-74.5	301.3	291.9	9.44	31.907		
2,300.0	2,296.9	2,244.7	2,221.9	5.1	6.4	-132.83	-275.1	-78.7	332.6	322.7	9.92	33.537		
2,400.0	2,396.1	2,339.3	2,314.0	5.4	6.8	-134.13	-296.3	-82.8	364.1	353.7	10.40	35.011		
2,500.0	2,495.3	2,433.9	2,406.1	5.7	7.2	-135.23	-317.6	-87.0	395.7	384.8	10.89	36.346		
2,600.0	2,594.4	2,528.5	2,498.2	6.0	7.7	-136.16	-338.8	-91.2	427.4	416.1	11.38	37.558		
2,700.0	2,693.6	2,623.2	2,590.4	6.2	8.1	-136.96	-360.1	-95.3	459.3	447.4	11.88	38.661		
2,800.0	2,792.8	2,717.8	2,682.5	6.5	8.6	-137.66	-381.3	-99.5	491.2	478.8	12.38	39.668		
2,900.0	2,892.0	2,812.4	2,774.6	6.8	9.0	-138.28	-402.6	-103.6	523.1	510.2	12.89	40.589		
3,000.0	2,991.1	2,907.0	2,866.7	7.1	9.5	-138.82	-423.9	-107.8	555.1	541.7	13.40	41.435		
3,100.0	3,090.3	3,001.6	2,958.8	7.4	9.9	-139.31	-445.1	-111.9	587.1	573.2	13.91	42.214		
3,200.0	3,189.5	3,096.2	3,050.9	7.7	10.4	-139.74	-466.4	-116.1	619.2	604.8	14.42	42.932		
3,300.0	3,288.7	3,190.9	3,143.0	8.0	10.8	-140.14	-487.6	-120.2	651.3	636.4	14.94	43.596		
3,400.0	3,387.8	3,285.5	3,235.1	8.3	11.3	-140.49	-508.9	-124.4	683.4	668.0	15.46	44.211		
3,500.0	3,487.0	3,380.1	3,327.2	8.6	11.7	-140.81	-530.1	-128.5	715.6	699.6	15.98	44.783		
3,600.0	3,586.2	3,474.7	3,419.3	8.9	12.2	-141.11	-551.4	-132.7	747.7	731.2	16.50	45.316		
3,700.0	3,685.3	3,569.3	3,511.4	9.2	12.7	-141.38	-572.6	-136.8	779.9	762.9	17.02	45.813		
3,800.0	3,784.5	3,664.0	3,603.5	9.6	13.1	-141.63	-593.9	-141.0	812.1	794.6	17.55	46.278		
3,900.0	3,883.7	3,758.6	3,695.6	9.9	13.6	-141.86	-615.1	-145.1	844.3	826.2	18.07	46.714		
4,000.0	3,982.9	3,853.2	3,787.7	10.2	14.0	-142.08	-636.4	-149.3	876.5	857.9	18.60	47.123		
4,100.0	4,082.0	3,947.8	3,879.8	10.5	14.5	-142.27	-657.7	-153.5	908.8	889.6	19.13	47.507		
4,200.0	4,181.2	4,042.4	3,972.0	10.8	15.0	-142.46	-678.9	-157.6	941.0	921.3	19.66	47.869		
4,300.0	4,280.4	4,137.1	4,064.1	11.1	15.4	-142.63	-700.2	-161.8	973.2	953.1	20.19	48.210		

<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Connie 26E-402
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Reference Site:</b>	Connie 5N64W26EF Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Connie 26E-402	<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 (3-4-16)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Existing Wells Pad Sec.26-T5N-R64W - Bihain 26-1 (Exist.) - Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 ft
Survey Program: 6816-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)			
7,500.0	6,719.7	6,692.7	6,692.7	30.1	133.9	90.47	-165.7	1,713.2	960.1	796.3	163.85	5.860		
7,600.0	6,719.2	6,692.2	6,692.2	32.5	133.8	90.42	-165.7	1,713.2	872.9	706.6	166.28	5.250		
7,700.0	6,718.8	6,691.8	6,691.8	35.0	133.8	90.36	-165.7	1,713.2	788.8	620.0	168.76	4.674		
7,800.0	6,718.4	6,691.4	6,691.4	37.5	133.8	90.31	-165.7	1,713.2	708.7	537.4	171.28	4.138		
7,900.0	6,717.9	6,690.9	6,690.9	40.1	133.8	90.25	-165.7	1,713.2	634.4	460.5	173.85	3.649		
8,000.0	6,717.5	6,690.5	6,690.5	42.7	133.8	90.20	-165.7	1,713.2	567.9	391.5	176.44	3.219		
8,100.0	6,717.1	6,690.1	6,690.1	45.3	133.8	90.14	-165.7	1,713.2	512.5	333.5	179.06	2.862		
8,200.0	6,716.6	6,689.6	6,689.6	48.0	133.8	90.08	-165.7	1,713.2	472.0	290.3	181.70	2.598		
8,300.0	6,716.2	6,689.2	6,689.2	50.6	133.8	90.03	-165.7	1,713.2	450.5	266.1	184.35	2.444		
8,349.3	6,716.0	6,689.0	6,689.0	51.9	133.8	90.00	-165.7	1,713.2	447.8	262.1	185.67	2.412 CC, ES		
8,400.0	6,715.7	6,688.7	6,688.7	53.3	133.8	89.97	-165.7	1,713.2	450.6	263.6	187.02	2.410 SF		
8,500.0	6,715.3	6,688.3	6,688.3	56.0	133.8	89.92	-165.7	1,713.2	472.5	282.8	189.70	2.490		
8,600.0	6,714.9	6,687.9	6,687.9	58.7	133.8	89.86	-165.7	1,713.2	513.2	320.8	192.40	2.667		
8,700.0	6,714.4	6,687.4	6,687.4	61.4	133.7	89.80	-165.7	1,713.2	568.8	373.7	195.10	2.915		
8,800.0	6,714.0	6,687.0	6,687.0	64.1	133.7	89.75	-165.7	1,713.2	635.3	437.5	197.81	3.212		
8,900.0	6,713.6	6,686.6	6,686.6	66.9	133.7	89.69	-165.7	1,713.2	709.7	509.2	200.53	3.539		
9,000.0	6,713.1	6,686.1	6,686.1	69.6	133.7	89.64	-165.7	1,713.2	789.9	586.6	203.26	3.886		
9,100.0	6,712.7	6,685.7	6,685.7	72.3	133.7	89.58	-165.7	1,713.2	874.1	668.1	205.99	4.243		
9,200.0	6,712.3	6,685.3	6,685.3	75.1	133.7	89.53	-165.7	1,713.2	961.3	752.6	208.72	4.606		



<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Connie 26E-402
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Reference Site:</b>	Connie 5N64W26EF Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Connie 26E-402	<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 (3-4-16)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Existing Wells Pad Sec.26-T5N-R64W - Bihain 26-4 (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						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	112.83	-163.9	389.5	423.2					
100.0	100.0	77.5	77.5	0.1	0.1	112.83	-164.0	389.5	422.6	422.4	0.22	1,963.165		
200.0	200.0	177.9	177.9	0.3	0.3	112.85	-164.0	389.3	422.4	421.7	0.68	624.944		
300.0	300.0	277.9	277.9	0.6	0.6	112.87	-164.0	389.0	422.2	421.0	1.16	362.407		
400.0	400.0	378.0	378.0	0.8	0.9	112.89	-164.1	388.7	422.0	420.3	1.65	255.136		
500.0	500.0	477.9	477.9	1.0	1.1	112.92	-164.2	388.4	421.7	419.6	2.14	196.950		
600.0	600.0	577.9	577.9	1.2	1.4	112.95	-164.4	388.2	421.5	418.9	2.63	160.369		
700.0	700.0	677.8	677.8	1.5	1.7	112.98	-164.5	387.9	421.3	418.2	3.11	135.275		
800.0	800.0	777.7	777.7	1.7	1.9	113.02	-164.7	387.6	421.2	417.6	3.60	117.103		
900.0	900.0	877.3	877.3	1.9	2.2	113.07	-165.0	387.3	421.0	417.0	4.07	103.473		
1,000.0	1,000.0	977.3	977.3	2.1	2.4	113.12	-165.3	387.1	421.0	416.4	4.54	92.732		
1,100.0	1,100.0	1,077.5	1,077.5	2.4	2.7	113.17	-165.6	386.9	420.9	415.9	5.02	83.884		
1,200.0	1,200.0	1,177.5	1,177.5	2.6	2.9	113.23	-165.9	386.6	420.7	415.2	5.50	76.494		
1,300.0	1,300.0	1,277.8	1,277.8	2.8	3.2	113.27	-166.2	386.4	420.6	414.6	5.99	70.244		
1,400.0	1,400.0	1,377.9	1,377.9	3.0	3.4	113.32	-166.4	386.1	420.4	413.9	6.48	64.921		
1,500.0	1,500.0	1,478.9	1,478.9	3.3	3.7	113.33	-166.3	385.7	420.1	413.1	6.92	60.686		
1,600.0	1,600.0	1,580.6	1,580.6	3.5	3.8	113.29	-165.8	385.2	419.4	412.1	7.32	57.330		
1,648.1	1,648.1	1,629.8	1,629.7	3.6	3.9	151.35	-165.4	384.9	419.2	411.7	7.50	55.874 CC, ES		
1,700.0	1,700.0	1,682.9	1,682.9	3.7	4.0	151.38	-164.9	384.4	419.5	411.7	7.71	54.423		
1,800.0	1,799.9	1,784.1	1,784.1	3.9	4.2	151.56	-163.8	383.1	421.3	413.2	8.11	51.941		
1,900.0	1,899.7	1,886.3	1,886.2	4.2	4.4	151.89	-162.5	381.5	425.1	416.6	8.53	49.827		
2,000.0	1,999.3	1,986.7	1,986.6	4.4	4.6	152.40	-161.4	379.4	430.9	421.9	8.97	48.063		
2,091.5	2,090.2	2,078.4	2,078.3	4.6	4.9	153.04	-160.7	377.3	438.1	428.8	9.38	46.726		
2,100.0	2,098.6	2,086.9	2,086.8	4.6	4.9	153.12	-160.7	377.0	438.9	429.5	9.42	46.608		
2,200.0	2,197.7	2,185.2	2,185.1	4.9	5.1	154.01	-160.8	374.3	448.0	438.1	9.90	45.259		
2,300.0	2,296.9	2,283.5	2,283.3	5.1	5.4	154.90	-161.3	371.7	457.4	447.0	10.38	44.046		
2,400.0	2,396.1	2,381.6	2,381.3	5.4	5.7	155.76	-161.9	369.3	467.2	456.3	10.87	42.967		
2,500.0	2,495.3	2,480.6	2,480.4	5.7	5.9	156.59	-162.6	366.9	477.2	465.8	11.36	41.991		
2,600.0	2,594.4	2,580.0	2,579.7	6.0	6.2	157.41	-163.4	364.6	487.3	475.5	11.86	41.099		
2,700.0	2,693.6	2,679.2	2,678.9	6.2	6.4	158.19	-164.2	362.2	497.6	485.2	12.35	40.282		
2,800.0	2,792.8	2,778.1	2,777.7	6.5	6.7	158.94	-165.0	359.8	507.9	495.1	12.85	39.538		
2,900.0	2,892.0	2,876.9	2,876.6	6.8	7.0	159.64	-165.7	357.7	518.4	505.1	13.34	38.859		
3,000.0	2,991.1	2,976.1	2,975.7	7.1	7.2	160.32	-166.5	355.5	529.1	515.2	13.84	38.235		
3,100.0	3,090.3	3,075.1	3,074.7	7.4	7.5	160.93	-167.0	353.5	539.8	525.5	14.33	37.664		
3,200.0	3,189.5	3,174.2	3,173.8	7.7	7.7	161.45	-166.9	352.0	550.6	535.8	14.82	37.140		
3,300.0	3,288.7	3,269.2	3,268.8	8.0	8.0	161.95	-167.2	350.6	561.8	546.5	15.30	36.714		
3,400.0	3,387.8	3,364.2	3,363.8	8.3	8.2	162.47	-168.3	349.7	573.9	558.1	15.76	36.417		
3,500.0	3,487.0	3,461.6	3,461.1	8.6	8.4	163.03	-170.1	348.9	586.5	570.3	16.20	36.202		
3,600.0	3,586.2	3,560.4	3,559.9	8.9	8.6	163.58	-172.0	348.2	599.3	582.7	16.64	36.013		
3,700.0	3,685.3	3,659.3	3,658.8	9.2	8.8	164.12	-174.0	347.4	612.2	595.1	17.09	35.832		
3,800.0	3,784.5	3,758.4	3,757.9	9.6	9.0	164.63	-176.0	346.7	625.2	607.6	17.53	35.659		
3,900.0	3,883.7	3,858.8	3,858.2	9.9	9.2	165.08	-177.6	346.1	638.1	620.1	17.97	35.502		
4,000.0	3,982.9	3,960.4	3,959.8	10.2	9.4	165.41	-178.0	346.1	650.7	632.3	18.36	35.432		
4,100.0	4,082.0	4,064.1	4,063.6	10.5	9.5	165.66	-177.5	346.1	662.9	644.2	18.70	35.450		
4,200.0	4,181.2	4,165.6	4,165.0	10.8	9.6	165.84	-176.0	346.0	674.4	655.3	19.03	35.443		
4,300.0	4,280.4	4,265.0	4,264.4	11.1	9.7	166.01	-174.5	345.9	685.8	666.4	19.37	35.411		
4,400.0	4,379.6	4,355.1	4,354.5	11.4	9.8	166.16	-173.4	346.1	697.7	678.0	19.68	35.453		
4,453.2	4,432.4	4,400.0	4,399.4	11.6	9.8	166.25	-173.4	346.6	704.8	684.9	19.84	35.529		
4,500.0	4,478.8	4,443.6	4,443.0	11.7	9.8	166.36	-173.6	347.3	711.0	691.0	19.98	35.591		
4,600.0	4,578.3	4,537.3	4,536.7	12.0	9.8	166.56	-174.6	349.1	722.4	702.1	20.24	35.685		
4,700.0	4,678.1	4,631.9	4,631.2	12.2	9.9	166.73	-176.6	351.0	731.1	710.6	20.51	35.640		

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 Connie 26E-402
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Reference Site:</b>	Connie 5N64W26EF Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Connie 26E-402	<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 (3-4-16)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Existing Wells Pad Sec.26-T5N-R64W - Bihain 26-4 (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						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,800.0	4,778.1	4,728.2	4,727.5	12.3	10.0	166.90	-179.9	352.9	737.2	716.4	20.79	35.465		
4,821.9	4,800.0	4,751.0	4,750.3	12.4	10.1	128.86	-180.7	353.3	738.1	715.7	22.38	32.982		
4,900.0	4,878.1	4,832.8	4,832.0	12.5	10.2	128.98	-183.7	354.5	740.7	718.1	22.63	32.735		
5,000.0	4,978.1	4,940.6	4,939.7	12.7	10.4	129.15	-187.1	355.4	743.4	720.4	23.00	32.323		
5,100.0	5,078.1	5,049.4	5,048.5	12.9	10.6	129.34	-190.1	355.0	744.8	721.4	23.41	31.809		
5,200.0	5,178.1	5,154.1	5,153.1	13.1	10.8	129.55	-192.5	353.7	745.3	721.5	23.85	31.246		
5,300.0	5,278.1	5,255.6	5,254.6	13.3	11.1	129.78	-194.9	351.9	745.4	721.1	24.30	30.679		
5,400.0	5,378.1	5,351.0	5,349.9	13.4	11.3	130.02	-197.4	350.1	745.7	721.0	24.72	30.162		
5,500.0	5,478.1	5,445.7	5,444.6	13.6	11.5	130.18	-199.8	349.5	746.8	721.7	25.13	29.724		
5,600.0	5,578.1	5,544.3	5,543.2	13.8	11.7	130.29	-201.8	349.7	748.4	722.8	25.51	29.333		
5,700.0	5,678.1	5,643.0	5,641.8	14.0	11.9	130.37	-203.6	350.4	750.0	724.2	25.87	28.987		
5,800.0	5,778.1	5,741.2	5,740.1	14.2	12.0	130.40	-205.2	351.5	751.9	725.7	26.22	28.680		
5,900.0	5,878.1	5,839.6	5,838.5	14.4	12.2	130.43	-206.8	352.8	754.0	727.5	26.55	28.396		
5,979.0	5,957.1	5,917.7	5,916.5	14.6	12.3	130.46	-208.2	353.9	755.8	729.0	26.82	28.179		
6,000.0	5,978.1	5,938.2	5,937.0	14.6	12.3	40.47	-208.6	354.2	756.1	730.5	25.56	29.578		
6,050.0	6,028.0	5,987.2	5,986.0	14.7	12.4	40.68	-209.6	355.0	755.0	729.4	25.63	29.460		
6,100.0	6,077.6	6,036.9	6,035.7	14.8	12.4	41.18	-210.6	355.8	751.5	725.9	25.64	29.315		
6,150.0	6,126.7	6,086.5	6,085.2	14.8	12.5	41.97	-211.5	356.6	745.6	720.0	25.59	29.136		
6,200.0	6,175.0	6,134.9	6,133.6	14.9	12.6	43.06	-212.4	357.4	737.4	711.9	25.51	28.910		
6,250.0	6,222.5	6,182.3	6,181.0	14.9	12.7	44.46	-213.4	358.2	726.9	701.5	25.40	28.624		
6,300.0	6,268.7	6,228.6	6,227.4	14.9	12.7	46.18	-214.3	358.9	714.4	689.1	25.28	28.254		
6,350.0	6,313.7	6,273.8	6,272.5	14.9	12.8	48.24	-215.2	359.7	700.0	674.8	25.20	27.776		
6,400.0	6,357.1	6,317.4	6,316.1	15.0	12.9	50.65	-216.0	360.5	683.9	658.8	25.18	27.164		
6,450.0	6,398.8	6,359.2	6,357.8	15.0	12.9	53.38	-216.8	361.2	666.5	641.2	25.25	26.400		
6,500.0	6,438.6	6,399.1	6,397.8	15.0	13.0	56.46	-217.6	362.0	647.9	622.5	25.44	25.474		
6,550.0	6,476.4	6,438.4	6,437.1	15.0	13.1	59.91	-218.3	362.8	628.6	602.8	25.78	24.386		
6,600.0	6,511.9	6,475.5	6,474.2	15.1	13.1	63.63	-218.9	363.5	608.9	582.6	26.27	23.176		
6,650.0	6,545.1	6,510.5	6,509.1	15.3	13.2	67.55	-219.5	364.2	589.2	562.3	26.91	21.898		
6,700.0	6,575.7	6,543.3	6,541.9	15.6	13.2	71.57	-219.9	364.8	570.1	542.5	27.65	20.617		
6,750.0	6,603.7	6,573.3	6,571.9	16.0	13.2	75.54	-220.2	365.3	552.2	523.7	28.47	19.396		
6,800.0	6,629.0	6,600.3	6,598.9	16.6	13.3	79.30	-220.5	365.7	536.1	506.8	29.32	18.286		
6,850.0	6,651.3	6,623.3	6,621.9	17.2	13.3	82.62	-220.6	366.1	522.5	492.3	30.16	17.323		
6,900.0	6,670.7	6,643.4	6,642.0	17.8	13.3	85.48	-220.8	366.4	512.1	481.1	31.01	16.514		
6,950.0	6,687.0	6,660.5	6,659.1	18.6	13.4	87.81	-220.9	366.7	505.5	473.6	31.86	15.864		
7,000.0	6,700.2	6,674.5	6,673.1	19.4	13.4	89.51	-221.1	367.0	503.2	470.4	32.74	15.369		
7,000.5	6,700.3	6,674.6	6,673.2	19.5	13.4	89.52	-221.1	367.0	503.2	470.4	32.75	15.365		
7,050.0	6,710.2	6,685.4	6,684.0	20.3	13.4	90.55	-221.2	367.2	505.5	471.8	33.65	15.021		
7,100.0	6,717.0	6,693.1	6,691.6	21.3	13.4	90.87	-221.2	367.3	512.5	477.9	34.61	14.810		
7,150.0	6,720.5	6,697.5	6,696.1	22.3	13.4	90.47	-221.2	367.4	524.2	488.6	35.60	14.727 SF		
7,182.4	6,721.1	6,698.6	6,697.2	22.9	13.4	89.81	-221.3	367.4	534.2	497.9	36.25	14.737		
7,200.0	6,721.0	6,698.8	6,697.4	23.3	13.4	89.84	-221.3	367.4	540.4	503.7	36.61	14.758		
7,300.0	6,720.5	6,700.2	6,698.7	25.4	13.4	89.99	-221.3	367.4	584.2	545.4	38.77	15.069		
7,400.0	6,720.1	6,701.5	6,700.1	27.7	13.4	90.14	-221.3	367.4	640.8	599.7	41.04	15.613		
7,500.0	6,719.7	6,702.8	6,701.4	30.1	13.4	90.29	-221.3	367.5	707.0	663.6	43.40	16.290		
7,600.0	6,719.2	6,704.1	6,702.7	32.5	13.4	90.44	-221.3	367.5	780.5	734.7	45.84	17.027		
7,700.0	6,718.8	6,705.5	6,704.1	35.0	13.4	90.59	-221.3	367.5	859.3	811.0	48.33	17.781		
7,800.0	6,718.4	6,706.8	6,705.4	37.5	13.4	90.75	-221.3	367.5	942.2	891.3	50.87	18.523		

<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Connie 26E-402
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Reference Site:</b>	Connie 5N64W26EF Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Connie 26E-402	<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 (3-4-16)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 95-Reference													Offset Well Error:	0.0 ft
Kuner 8-2-25 Pad Sec.25-T5N-R64W - Kuner 31-25 - Wellbore #1 - Wellbore #1														
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	
14,100.0	6,690.9	7,015.3	6,682.2	211.7	37.6	91.84	-208.8	8,241.3	919.5	671.8	247.75	3.712		
14,200.0	6,690.4	7,012.8	6,679.7	214.5	37.6	91.55	-208.8	8,241.3	836.7	586.1	250.57	3.339		
14,300.0	6,690.0	7,010.4	6,677.3	217.3	37.6	91.26	-208.8	8,241.4	758.0	504.6	253.39	2.991		
14,400.0	6,689.6	7,007.9	6,674.9	220.1	37.6	90.98	-208.8	8,241.4	684.9	428.7	256.20	2.673		
14,500.0	6,689.1	7,005.5	6,672.4	222.9	37.6	90.70	-208.8	8,241.5	619.3	360.3	259.01	2.391		
14,600.0	6,688.7	7,003.1	6,670.0	225.7	37.6	90.42	-208.8	8,241.5	563.9	302.1	261.81	2.154		
14,700.0	6,688.3	7,000.7	6,667.6	228.5	37.6	90.14	-208.7	8,241.6	522.0	257.4	264.61	1.973		
14,800.0	6,687.8	6,998.4	6,665.3	231.3	37.6	89.86	-208.7	8,241.6	496.9	229.5	267.40	1.858		
14,877.8	6,687.5	6,996.5	6,663.4	233.5	37.6	89.65	-208.7	8,241.6	490.8	221.2	269.57	1.821 CC		
14,900.0	6,687.4	6,996.0	6,662.9	234.1	37.6	89.59	-208.7	8,241.6	491.3	221.1	270.19	1.818 ES, SF		
15,000.0	6,686.9	6,993.7	6,660.6	236.9	37.6	89.31	-208.7	8,241.7	505.8	232.8	272.97	1.853		
15,100.0	6,686.5	6,991.3	6,658.3	239.7	37.6	89.04	-208.7	8,241.7	538.7	263.0	275.75	1.954		
15,200.0	6,686.1	6,989.0	6,656.0	242.5	37.6	88.77	-208.7	8,241.8	587.1	308.6	278.52	2.108		
15,300.0	6,685.6	6,986.7	6,653.7	245.3	37.6	88.50	-208.7	8,241.8	647.3	366.1	281.28	2.301		
15,400.0	6,685.2	6,984.5	6,651.4	248.1	37.6	88.24	-208.6	8,241.9	716.6	432.5	284.04	2.523		
15,500.0	6,684.8	6,982.2	6,649.1	250.9	37.6	87.98	-208.6	8,241.9	792.4	505.6	286.79	2.763		
15,600.0	6,684.3	6,980.0	6,646.9	253.7	37.6	87.71	-208.6	8,241.9	873.0	583.5	289.53	3.015		
15,700.0	6,683.9	6,977.7	6,644.7	256.5	37.6	87.45	-208.6	8,242.0	957.4	665.1	292.27	3.276		

<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Connie 26E-402
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Reference Site:</b>	Connie 5N64W26EF Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Connie 26E-402	<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 (3-4-16)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b>												<b>Offset Site Error:</b>	0.0 ft
Survey Program: 95-Reference												<b>Offset Well Error:</b>	0.0 ft
Kuner 8-2-25 Pad Sec.25-T5N-R64W - Kuner 41-25 - Wellbore #1 - Wellbore #1													
Measured Depth (ft)	Vertical Depth (ft)	Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (ft)	Separation Factor	Warning
		Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)			
15,300.0	6,685.6	6,782.1	6,712.8	245.3	19.4	96.75	-173.9	9,526.7	977.2	716.8	260.43	3.752	
15,400.0	6,685.2	6,777.1	6,707.8	248.1	19.4	96.12	-174.0	9,527.0	890.2	626.7	263.48	3.379	
15,500.0	6,684.8	6,771.0	6,701.8	250.9	19.3	95.37	-174.2	9,527.2	806.1	539.6	266.56	3.024	
15,600.0	6,684.3	6,766.1	6,696.9	253.7	19.3	94.76	-174.2	9,527.5	726.1	456.5	269.55	2.694	
15,700.0	6,683.9	6,760.3	6,691.0	256.5	19.3	94.03	-174.3	9,527.8	651.5	379.0	272.55	2.390	
15,800.0	6,683.5	6,754.6	6,685.4	259.4	19.3	93.32	-174.4	9,528.0	584.5	309.0	275.51	2.122	
15,900.0	6,683.0	6,749.0	6,679.8	262.2	19.3	92.63	-174.5	9,528.3	528.0	249.6	278.44	1.896	
16,000.0	6,682.6	6,743.7	6,674.5	265.0	19.3	91.95	-174.6	9,528.5	485.7	204.4	281.33	1.727	
16,100.0	6,682.1	6,738.4	6,669.2	267.8	19.3	91.30	-174.7	9,528.8	461.5	177.3	284.18	1.624	
16,165.1	6,681.9	6,735.1	6,665.9	269.6	19.3	90.88	-174.8	9,528.9	456.9	170.9	286.02	1.597 CC, ES	
16,200.0	6,681.7	6,733.3	6,664.1	270.6	19.3	90.66	-174.8	9,529.0	458.2	171.2	287.00	1.597 SF	
16,300.0	6,681.3	6,728.4	6,659.2	273.4	19.3	90.04	-174.9	9,529.2	476.4	186.6	289.79	1.644	
16,362.7	6,681.0	6,725.3	6,656.1	275.1	19.3	89.66	-174.9	9,529.4	497.7	206.2	291.52	1.707	

<b>Company:</b>	PETROLEUM DEVELOPMENT CORP DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Connie 26E-402
<b>Project:</b>	SEC.26-T5N-R64W	<b>TVD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Reference Site:</b>	Connie 5N64W26EF Pad Sec.26-T5N-R64W	<b>MD Reference:</b>	WELL @ 4620.0ft (RKB - 23')
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Connie 26E-402	<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 (3-4-16)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 95-Reference													Offset Well Error:	0.0 ft
Measured Depth (ft)		Vertical Depth (ft)		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		
14,600.0	6,688.7	6,952.1	6,672.1	225.7	32.6	-95.84	384.4	8,895.1	936.9	687.4	249.49	3.755		
14,700.0	6,688.3	6,951.0	6,671.1	228.5	32.6	-95.27	384.4	8,895.1	837.6	585.0	252.54	3.317		
14,800.0	6,687.8	6,950.0	6,670.0	231.3	32.6	-94.67	384.4	8,895.1	738.4	482.8	255.58	2.889		
14,900.0	6,687.4	6,948.9	6,668.9	234.1	32.6	-94.05	384.4	8,895.1	639.5	380.9	258.61	2.473		
15,000.0	6,686.9	6,947.7	6,667.7	236.9	32.6	-93.41	384.4	8,895.1	541.1	279.4	261.62	2.068		
15,100.0	6,686.5	6,946.5	6,666.5	239.7	32.6	-92.75	384.4	8,895.2	443.3	178.7	264.61	1.675		
15,200.0	6,686.1	6,945.3	6,665.3	242.5	32.6	-92.07	384.4	8,895.2	346.8	79.2	267.58	1.296 Level 3		
15,300.0	6,685.6	6,944.1	6,664.1	245.3	32.6	-91.36	384.4	8,895.2	252.9	-17.6	270.52	0.935 Level 1		
15,400.0	6,685.2	6,942.7	6,662.8	248.1	32.6	-90.63	384.4	8,895.2	166.5	-107.0	273.42	0.609 Level 1		
15,500.0	6,684.8	6,941.4	6,661.4	250.9	32.6	-89.87	384.3	8,895.2	107.0	-169.3	276.29	0.387 Level 1		
15,531.4	6,684.6	6,941.0	6,661.0	251.8	32.6	-89.63	384.3	8,895.2	102.3	-174.9	277.17	0.369 Level 1, CC, ES, SF		
15,600.0	6,684.3	6,940.0	6,660.0	253.7	32.6	-89.09	384.3	8,895.2	123.2	-156.0	279.10	0.441 Level 1		
15,700.0	6,683.9	6,938.5	6,658.5	256.5	32.6	-88.27	384.3	8,895.2	197.2	-84.7	281.87	0.700 Level 1		
15,800.0	6,683.5	6,937.0	6,657.0	259.4	32.6	-87.43	384.3	8,895.2	287.4	2.8	284.58	1.010 Level 2		
15,900.0	6,683.0	6,935.5	6,655.5	262.2	32.6	-86.55	384.3	8,895.3	382.5	95.3	287.22	1.332 Level 3		
16,000.0	6,682.6	6,933.8	6,653.8	265.0	32.6	-85.64	384.3	8,895.3	479.6	189.8	289.78	1.655		
16,100.0	6,682.1	6,932.1	6,652.1	267.8	32.6	-84.70	384.3	8,895.3	577.7	285.4	292.25	1.977		
16,200.0	6,681.7	6,930.4	6,650.4	270.6	32.6	-83.72	384.3	8,895.3	676.3	381.7	294.63	2.296		
16,300.0	6,681.3	6,928.5	6,648.6	273.4	32.6	-82.71	384.3	8,895.3	775.3	478.4	296.90	2.611		
16,362.7	6,681.0	6,927.4	6,647.4	275.1	32.6	-82.05	384.3	8,895.4	837.5	539.2	298.26	2.808		

Reference Depths are relative to WELL @ 4620.0ft (RKB - 23')	Coordinates are relative to: Connie 26E-402
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°



Coordinates are relative to: Connie 26E-402  
Coordinate System is US State Plane 1983, Colorado Northern Zone  
Grid Convergence at Surface is: 0.63°

