

WELL INFORMATION

Well Name: Postle LC 11-259HC

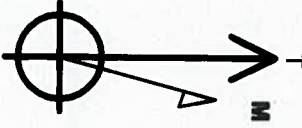
Surface Location: Postle West Pad Sec. 11-T3N-R68W
 North American Datum 1983, US State Plane 1983, Colorado Northern Zone
 Ground Elevation: 4976.9
 +N-S +E/W Northing Easting Latitude Longitude Slot
 0.0 0.0 1332047.22 3145640.83 40.243692 -104.978272
 RKB - 16.5' WELL @ 4993.4ft (RKB - 16.5')

WELLBORE TARGET DETAILS

Name	TVD	+N-S	+E/W	Shape
SHL 1559FNL & 422FWL	1.0	0.0	0.0	Point
BHL 2025FSL & 470FEL	7321.4	-1692.9	4391.6	Point
Entry Pt. 2019FSL & 460FWL	7321.4	-1703.1	46.3	Point

Azinuths to True North
 Magnetic North: 8.63°

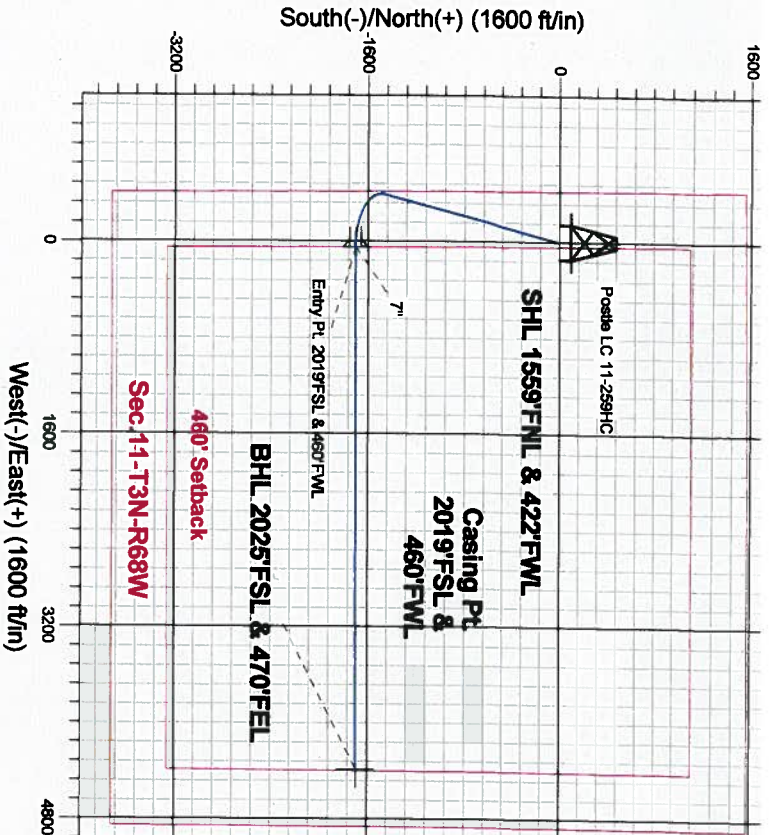
Magnetic Field
 Strength: 52763.3mT
 Dip Angle: 66.80°
 Date: 12/10/2013
 Model: IGRF2010



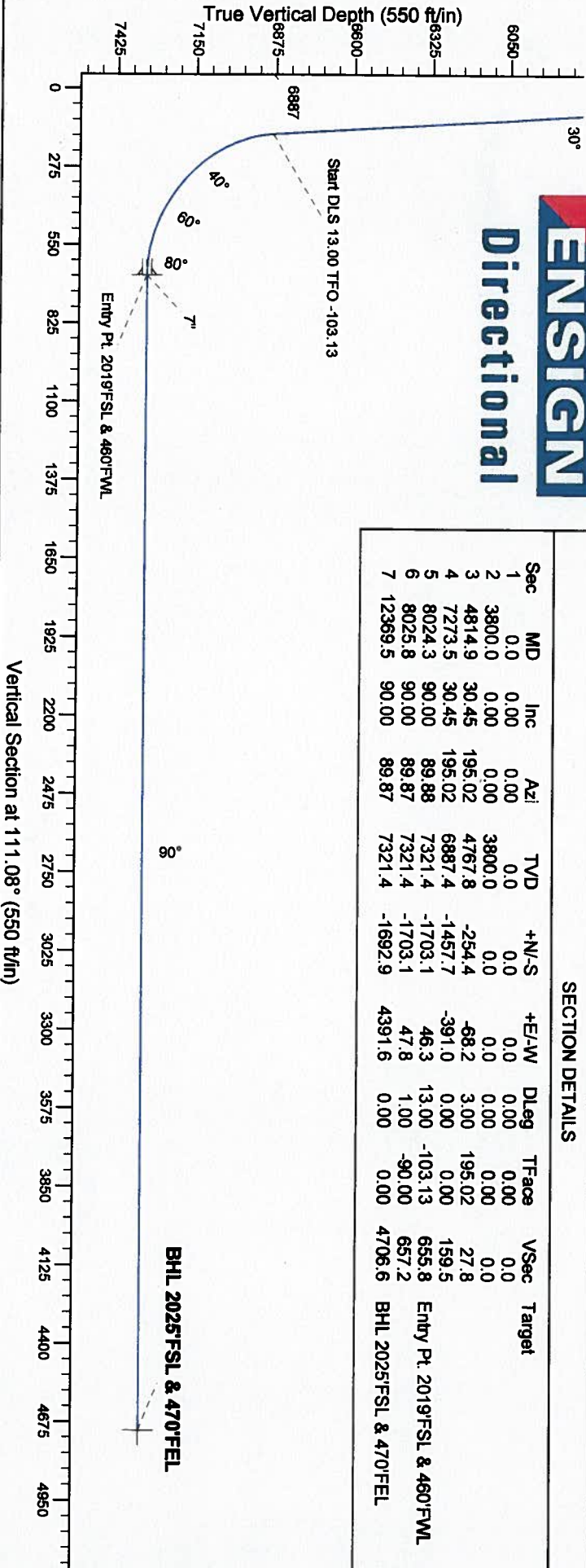
Postle West Pad Sec. 11-T3N-R68W
 Postle LC 11-259HC
 Plan #1 (12-10-13)
 10:38, December 12 2013

TVD	MD	Annotation
3800.0	3800.0	KOP - Start Build 3.00
6887.3	7273.5	Start DLS 13.00 TFO -103.13
7321.4	12369.5	TD at 12369.5

ANNOTATIONS



ENSIGN Directional



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E/W	Dleg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	3800.0	0.00	0.00	3800.0	0.0	0.0	0.00	0.00	0.0	
3	4814.9	30.45	195.02	4767.8	-254.4	-68.2	3.00	195.02	27.8	
4	7273.5	30.45	195.02	6887.4	-1457.7	-391.0	0.00	0.00	159.5	Entry Pt. 2019FSL & 460FWL
5	8024.3	90.00	89.88	7321.4	-1703.1	46.3	13.00	-103.13	655.8	
6	8025.8	90.00	89.87	7321.4	-1703.1	47.8	1.00	-90.00	657.2	
7	12369.5	90.00	89.87	7321.4	-1692.9	4391.6	0.00	0.00	4706.6	BHL 2025FSL & 470FEL



Directional

Great Western

SEC.11-T3N-R68W

Postle West Pad Sec.11-T3N-R68W

Postle IC 11-259HC

Wellbore #1

Plan: Plan #1 (12-10-13)

Standard Planning Report

12 December, 2013

Database:	Landmark	Local Co-ordinate Reference:	Well Postle IC 11-259HC
Company:	Great Western	TVD Reference:	WELL @ 4993.4ft (RKB - 16.5')
Project:	SEC.11-T3N-R68W	MD Reference:	WELL @ 4993.4ft (RKB - 16.5')
Site:	Postle West Pad Sec.11-T3N-R68W	North Reference:	True
Well:	Postle IC 11-259HC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (12-10-13)		

Project	SEC.11-T3N-R68W, Weld County, CO		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		Using Well Reference Point
Map Zone:	Colorado Northern Zone		Using geodetic scale factor

Site	Postle West Pad Sec.11-T3N-R68W				
Site Position:		Northing:	1,332,143.74 ft	Latitude:	40.243958
From:	Lat/Long	Easting:	3,145,575.78 ft	Longitude:	-104.978503
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.34 °

Well	Postle IC 11-259HC					
Well Position	+N/-S	-96.9 ft	Northing:	1,332,047.22 ft	Latitude:	40.243692
	+E/-W	64.5 ft	Easting:	3,145,640.83 ft	Longitude:	-104.978272
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,976.9 ft

Wellbore	Wellbore #1				
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/10/2013	8.63	66.80	52,763

Design	Plan #1 (12-10-13)			
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Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	111.08

Plan Sections										
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Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Bulld Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,814.9	30.45	195.02	4,767.8	-254.4	-68.2	3.00	3.00	0.00	195.02	
7,273.5	30.45	195.02	6,887.4	-1,457.7	-391.0	0.00	0.00	0.00	0.00	
8,024.3	90.00	89.88	7,321.4	-1,703.1	46.3	13.00	7.93	-14.00	-103.13	Entry Pt. 2019'FSL
8,025.8	90.00	89.87	7,321.4	-1,703.1	47.8	1.00	0.00	-1.00	-90.00	
12,369.5	90.00	89.87	7,321.4	-1,692.9	4,391.6	0.00	0.00	0.00	0.00	BHL 2025'FSL & 47

Database:	Landmark	Local Co-ordinate Reference:	Well Postle IC 11-259HC
Company:	Great Western	TVD Reference:	WELL @ 4993.4ft (RKB - 16.5')
Project:	SEC.11-T3N-R68W	MD Reference:	WELL @ 4993.4ft (RKB - 16.5')
Site:	Postle West Pad Sec.11-T3N-R68W	North Reference:	True
Well:	Postle IC 11-259HC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (12-10-13)		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
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 1659'FNL & 422'FWL										
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	
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
KOP - Start Build 3.00										
3,900.0	3.00	195.02	3,900.0	-2.5	-0.7	0.3	3.00	3.00	0.00	
4,000.0	6.00	195.02	3,999.6	-10.1	-2.7	1.1	3.00	3.00	0.00	
4,100.0	9.00	195.02	4,098.8	-22.7	-6.1	2.5	3.00	3.00	0.00	
4,200.0	12.00	195.02	4,197.1	-40.3	-10.8	4.4	3.00	3.00	0.00	
4,300.0	15.00	195.02	4,294.3	-62.9	-16.9	6.9	3.00	3.00	0.00	
4,400.0	18.00	195.02	4,390.2	-90.3	-24.2	9.9	3.00	3.00	0.00	
4,500.0	21.00	195.02	4,484.4	-122.5	-32.9	13.4	3.00	3.00	0.00	
4,600.0	24.00	195.02	4,576.8	-159.5	-42.8	17.4	3.00	3.00	0.00	
4,700.0	27.00	195.02	4,667.1	-201.1	-53.9	22.0	3.00	3.00	0.00	
4,800.0	30.00	195.02	4,754.9	-247.1	-66.3	27.0	3.00	3.00	0.00	
4,814.9	30.45	195.02	4,767.8	-254.4	-68.2	27.8	3.00	3.00	0.00	
4,900.0	30.45	195.02	4,841.2	-296.0	-79.4	32.4	0.00	0.00	0.00	

Database:	Landmark	Local Co-ordinate Reference:	Well Postle ^{TC} 11-259HC
Company:	Great Western	TVD Reference:	WELL @ 4993.4ft (RKB - 16.5')
Project:	SEC.11-T3N-R68W	MD Reference:	WELL @ 4993.4ft (RKB - 16.5')
Site:	Postle West Pad Sec.11-T3N-R68W	North Reference:	True
Well:	Postle ^{TC} 11-259HC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (12-10-13)		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Buidl Rate (°/100ft)	Turn Rate (°/100ft)
5,000.0	30.45	195.02	4,927.4	-345.0	-92.5	37.7	0.00	0.00	0.00
5,100.0	30.45	195.02	5,013.6	-393.9	-105.7	43.1	0.00	0.00	0.00
5,200.0	30.45	195.02	5,099.8	-442.9	-118.8	48.4	0.00	0.00	0.00
5,300.0	30.45	195.02	5,186.0	-491.8	-131.9	53.8	0.00	0.00	0.00
5,400.0	30.45	195.02	5,272.2	-540.8	-145.1	59.2	0.00	0.00	0.00
5,500.0	30.45	195.02	5,358.4	-589.7	-158.2	64.5	0.00	0.00	0.00
5,600.0	30.45	195.02	5,444.6	-638.6	-171.3	69.9	0.00	0.00	0.00
5,700.0	30.45	195.02	5,530.8	-687.6	-184.4	75.2	0.00	0.00	0.00
5,800.0	30.45	195.02	5,617.1	-736.5	-197.6	80.6	0.00	0.00	0.00
5,900.0	30.45	195.02	5,703.3	-785.5	-210.7	85.9	0.00	0.00	0.00
6,000.0	30.45	195.02	5,789.5	-834.4	-223.8	91.3	0.00	0.00	0.00
6,100.0	30.45	195.02	5,875.7	-883.4	-237.0	96.6	0.00	0.00	0.00
6,200.0	30.45	195.02	5,961.9	-932.3	-250.1	102.0	0.00	0.00	0.00
6,300.0	30.45	195.02	6,048.1	-981.3	-263.2	107.3	0.00	0.00	0.00
6,400.0	30.45	195.02	6,134.3	-1,030.2	-276.3	112.7	0.00	0.00	0.00
6,500.0	30.45	195.02	6,220.5	-1,079.1	-289.5	118.0	0.00	0.00	0.00
6,600.0	30.45	195.02	6,306.7	-1,128.1	-302.6	123.4	0.00	0.00	0.00
6,700.0	30.45	195.02	6,392.9	-1,177.0	-315.7	128.8	0.00	0.00	0.00
6,800.0	30.45	195.02	6,479.1	-1,226.0	-328.9	134.1	0.00	0.00	0.00
6,900.0	30.45	195.02	6,565.4	-1,274.9	-342.0	139.5	0.00	0.00	0.00
7,000.0	30.45	195.02	6,651.6	-1,323.9	-355.1	144.8	0.00	0.00	0.00
7,100.0	30.45	195.02	6,737.8	-1,372.8	-368.3	150.2	0.00	0.00	0.00
7,200.0	30.45	195.02	6,824.0	-1,421.8	-381.4	155.5	0.00	0.00	0.00
7,273.5	30.45	195.02	6,887.3	-1,457.7	-391.0	159.5	0.00	0.00	0.00
Start DLS 13.00 TFO -103.13									
7,300.0	29.84	188.26	6,910.3	-1,470.7	-393.7	161.6	13.00	-2.31	-25.49
7,400.0	30.75	162.39	6,997.0	-1,519.9	-389.5	183.2	13.00	0.91	-25.88
7,500.0	36.17	140.80	7,080.7	-1,567.4	-363.0	225.0	13.00	5.42	-21.59
7,600.0	44.45	125.22	7,157.1	-1,610.6	-315.6	284.9	13.00	8.29	-15.58
7,700.0	54.28	113.96	7,222.2	-1,647.5	-249.6	359.7	13.00	9.83	-11.26
7,800.0	64.93	105.27	7,272.8	-1,676.0	-168.5	445.6	13.00	10.64	-8.68
7,900.0	75.99	98.02	7,306.3	-1,694.8	-76.3	538.4	13.00	11.07	-7.26
8,000.0	87.25	91.44	7,320.8	-1,702.8	22.1	633.1	13.00	11.26	-6.58
8,024.3	90.00	89.88	7,321.4	-1,703.1	48.3	655.8	13.00	11.30	-6.42
7" - Entry Pt. 2019°FSL & 460°FWL									
8,025.8	90.00	89.87	7,321.4	-1,703.1	47.8	657.2	1.01	0.02	-1.01
8,100.0	90.00	89.87	7,321.4	-1,702.9	122.0	726.4	0.00	0.00	0.00
8,200.0	90.00	89.87	7,321.4	-1,702.7	222.0	819.6	0.00	0.00	0.00
8,300.0	90.00	89.87	7,321.4	-1,702.5	322.0	912.8	0.00	0.00	0.00
8,400.0	90.00	89.87	7,321.4	-1,702.2	422.0	1,006.1	0.00	0.00	0.00
8,500.0	90.00	89.87	7,321.4	-1,702.0	522.0	1,099.3	0.00	0.00	0.00
8,600.0	90.00	89.87	7,321.4	-1,701.7	622.0	1,192.5	0.00	0.00	0.00
8,700.0	90.00	89.87	7,321.4	-1,701.5	722.0	1,285.7	0.00	0.00	0.00
8,800.0	90.00	89.87	7,321.4	-1,701.3	822.0	1,378.9	0.00	0.00	0.00
8,900.0	90.00	89.87	7,321.4	-1,701.0	922.0	1,472.2	0.00	0.00	0.00
9,000.0	90.00	89.87	7,321.4	-1,700.8	1,022.0	1,565.4	0.00	0.00	0.00
9,100.0	90.00	89.87	7,321.4	-1,700.6	1,122.0	1,658.6	0.00	0.00	0.00
9,200.0	90.00	89.87	7,321.4	-1,700.3	1,222.0	1,751.8	0.00	0.00	0.00
9,300.0	90.00	89.87	7,321.4	-1,700.1	1,322.0	1,845.1	0.00	0.00	0.00
9,400.0	90.00	89.87	7,321.4	-1,699.9	1,422.0	1,938.3	0.00	0.00	0.00
9,500.0	90.00	89.87	7,321.4	-1,699.6	1,522.0	2,031.5	0.00	0.00	0.00
9,600.0	90.00	89.87	7,321.4	-1,699.4	1,622.0	2,124.7	0.00	0.00	0.00
9,700.0	90.00	89.87	7,321.4	-1,699.2	1,722.0	2,218.0	0.00	0.00	0.00
9,800.0	90.00	89.87	7,321.4	-1,698.9	1,822.0	2,311.2	0.00	0.00	0.00

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Company:	Great Western	TVD Reference:	WELL @ 4993.4ft (RKB - 16.5')
Project:	SEC.11-T3N-R68W	MD Reference:	WELL @ 4993.4ft (RKB - 16.5')
Site:	Postle West Pad Sec.11-T3N-R68W	North Reference:	True
Well:	Postle IC 11-259HC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (12-10-13)		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,900.0	90.00	89.87	7,321.4	-1,698.7	1,922.0	2,404.4	0.00	0.00	0.00
10,000.0	90.00	89.87	7,321.4	-1,698.5	2,022.0	2,497.6	0.00	0.00	0.00
10,100.0	90.00	89.87	7,321.4	-1,698.2	2,122.0	2,590.8	0.00	0.00	0.00
10,200.0	90.00	89.87	7,321.4	-1,698.0	2,222.0	2,684.1	0.00	0.00	0.00
10,300.0	90.00	89.87	7,321.4	-1,697.7	2,322.0	2,777.3	0.00	0.00	0.00
10,400.0	90.00	89.87	7,321.4	-1,697.5	2,422.0	2,870.5	0.00	0.00	0.00
10,500.0	90.00	89.87	7,321.4	-1,697.3	2,522.0	2,963.7	0.00	0.00	0.00
10,600.0	90.00	89.87	7,321.4	-1,697.0	2,622.0	3,057.0	0.00	0.00	0.00
10,700.0	90.00	89.87	7,321.4	-1,696.8	2,722.0	3,150.2	0.00	0.00	0.00
10,800.0	90.00	89.87	7,321.4	-1,696.6	2,822.0	3,243.4	0.00	0.00	0.00
10,900.0	90.00	89.87	7,321.4	-1,696.3	2,922.0	3,336.6	0.00	0.00	0.00
11,000.0	90.00	89.87	7,321.4	-1,696.1	3,022.0	3,429.8	0.00	0.00	0.00
11,100.0	90.00	89.87	7,321.4	-1,695.9	3,122.0	3,523.1	0.00	0.00	0.00
11,200.0	90.00	89.87	7,321.4	-1,695.6	3,222.0	3,616.3	0.00	0.00	0.00
11,300.0	90.00	89.87	7,321.4	-1,695.4	3,322.0	3,709.5	0.00	0.00	0.00
11,400.0	90.00	89.87	7,321.4	-1,695.2	3,422.0	3,802.7	0.00	0.00	0.00
11,500.0	90.00	89.87	7,321.4	-1,694.9	3,522.0	3,896.0	0.00	0.00	0.00
11,600.0	90.00	89.87	7,321.4	-1,694.7	3,622.0	3,989.2	0.00	0.00	0.00
11,700.0	90.00	89.87	7,321.4	-1,694.5	3,722.0	4,082.4	0.00	0.00	0.00
11,800.0	90.00	89.87	7,321.4	-1,694.2	3,822.0	4,175.6	0.00	0.00	0.00
11,900.0	90.00	89.87	7,321.4	-1,694.0	3,922.0	4,268.8	0.00	0.00	0.00
12,000.0	90.00	89.87	7,321.4	-1,693.7	4,022.0	4,362.1	0.00	0.00	0.00
12,100.0	90.00	89.87	7,321.4	-1,693.5	4,122.0	4,455.3	0.00	0.00	0.00
12,200.0	90.00	89.87	7,321.4	-1,693.3	4,222.0	4,548.5	0.00	0.00	0.00
12,300.0	90.00	89.87	7,321.4	-1,693.0	4,322.0	4,641.7	0.00	0.00	0.00
12,369.5	90.00	89.87	7,321.4	-1,692.9	4,391.5	4,706.5	0.00	0.00	0.00

TD at 12369.5 - BHL 2025'FSL & 470'FEL

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
8,024.3	7,321.4	7"	7	7-1/2

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
3,800.0	3,800.0	0.0	0.0	KOP - Start Build 3.00
7,273.5	6,887.3	-1,457.7	-391.0	Start DLS 13.00 TFO -103.13
12,369.5	7,321.4	-1,692.9	4,391.5	TD at 12369.5



Directional

Great Western

SEC.11-T3N-R68W

Postle West Pad Sec.11-T3N-R68W

Postle IC 11-259HC

Wellbore #1

Plan #1 (12-10-13)

Anticollision Report

12 December, 2013

Company:	Great Western	Local Co-ordinate Reference:	Well Postle IC 11-259HC
Project:	SEC.11-T3N-R68W	TVD Reference:	WELL @ 4993.4ft (RKB - 16.5')
Reference Site:	Postle West Pad Sec.11-T3N-R68W	MD Reference:	WELL @ 4993.4ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Postle IC 11-259HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (12-10-13)	Offset TVD Reference:	Offset Datum

Reference	Plan #1 (12-10-13)		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.0ft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 10,000.0ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program	Date	12/11/2013		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	12,369.0	Plan #1 (12-10-13) (Wellbore #1)	MWD	MWD - Standard

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Summary						
Postle West Pad Sec.11-T3N-R68W						
Postle IC 11-4HN - Wellbore #1 - Wellbore #1	671.7	674.3	114.8	112.2	44.182	CC
Postle IC 11-4HN - Wellbore #1 - Wellbore #1	900.0	902.1	115.2	111.6	32.192	ES
Postle IC 11-4HN - Wellbore #1 - Wellbore #1	12,369.5	11,689.4	2,196.7	1,941.0	8.589	SF
Postle IC 11-162HN - Wellbore #1 - Plan #1 (12-10-13)	3,800.0	3,800.0	59.8	43.0	3.548	CC, ES
Postle IC 11-162HN - Wellbore #1 - Plan #1 (12-10-13)	3,900.0	3,900.0	60.7	43.4	3.512	SF
Postle IC 11-239HN - Wellbore #1 - Plan #1 (12-10-13)	3,800.0	3,800.0	30.2	13.3	1.789	CC, ES
Postle IC 11-239HN - Wellbore #1 - Plan #1 (12-10-13)	12,369.5	12,121.0	353.7	125.0	1.546	SF
Postle IC 11-279HN - Wellbore #1 - Plan #1 (12-10-13)	3,100.0	3,100.0	29.6	15.9	2.160	CC, ES
Postle IC 11-279HN - Wellbore #1 - Plan #1 (12-10-13)	12,369.5	12,273.0	353.4	118.8	1.507	SF

Offset Design													Postle West Pad Sec.11-T3N-R68W - Postle IC 11-4HN - Wellbore #1 - Wellbore #1		Offset Site Error: 0.0ft	
Survey Program: 228-MWD															Offset Well Error: 0.0ft	
Measured Depth (ft)	Vertical Depth (ft)	Offset		Semi Major Axis			Distance						Warning			
		Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor				
0.0	0.0	2.6	2.6	0.0	0.0	-33.64	98.9	-64.5	116.4	116.4	0.00	N/A				
100.0	100.0	102.7	102.7	0.1	0.1	-33.88	98.8	-64.5	116.3	116.1	0.23	510.160				
200.0	200.0	202.8	202.8	0.3	0.2	-33.77	96.6	-64.6	116.2	115.6	0.57	205.540				
300.0	300.0	302.9	302.9	0.6	0.4	-33.88	96.3	-64.7	116.0	115.0	0.97	118.968				
400.0	400.0	403.2	403.2	0.8	0.6	-33.98	95.9	-64.6	115.6	114.2	1.41	81.854				
500.0	500.0	503.1	503.1	1.0	0.8	-34.16	95.2	-64.6	115.1	113.2	1.85	62.164				
600.0	600.0	602.8	602.7	1.2	1.1	-34.61	94.5	-65.2	114.8	112.5	2.29	50.142				
671.7	671.7	674.3	674.3	1.4	1.2	-35.04	94.0	-65.9	114.8	112.2	2.60	44.182 CC				
700.0	702.6	702.6	702.6	1.5	1.3	-35.20	93.8	-66.2	114.8	112.0	2.72	42.214				
800.0	800.0	802.4	802.4	1.7	1.5	-35.75	93.2	-67.1	114.9	111.7	3.15	38.511				
900.0	900.0	902.1	902.0	1.9	1.7	-36.34	92.8	-68.3	115.2	111.6	3.58	32.192 ES				
1,000.0	1,000.0	1,001.8	1,001.8	2.1	1.9	-37.24	92.2	-70.1	115.8	111.8	4.02	28.806				
1,100.0	1,100.0	1,101.0	1,100.9	2.4	2.1	-38.34	91.6	-72.5	116.8	112.4	4.48	26.192				
1,200.0	1,200.0	1,200.6	1,200.5	2.6	2.3	-39.33	91.7	-75.1	118.5	113.6	4.89	24.225				
1,300.0	1,300.0	1,300.9	1,300.7	2.8	2.5	-40.04	92.0	-77.3	120.2	114.9	5.32	22.599				
1,400.0	1,400.0	1,400.8	1,400.6	3.0	2.7	-40.59	92.4	-79.2	121.7	116.0	5.75	21.186				
1,500.0	1,500.0	1,500.6	1,500.4	3.3	2.9	-40.84	93.4	-80.7	123.4	117.3	6.18	19.986				
1,600.0	1,600.0	1,601.0	1,600.8	3.5	3.1	-40.64	94.9	-81.5	125.1	118.5	6.61	18.934				

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

Company:	Great Western	Local Co-ordinate Reference:	Well Postle IC 11-259HC
Project:	SEC.11-T3N-R68W	TVD Reference:	WELL @ 4993.4ft (RKB - 16.5')
Reference Site:	Postle West Pad Sec.11-T3N-R68W	MD Reference:	WELL @ 4993.4ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Postle IC 11-259HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (12-10-13)	Offset TVD Reference:	Offset Datum

Offset Design Postle West Pad Sec.11-T3N-R68W - Postle IC 11-4HN - Wellbore #1 - Wellbore #1														Offset Site Error:	0.0 ft
Survey Program: 228-MWD														Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Offset		Semi Major Axis			Distance				Minimum Separation (ft)	Separation Factor	Warning		
		Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Tooffset (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)					
1,700.0	1,700.0	1,701.8	1,701.6	3.7	3.3	-40.59	95.9	-82.1	126.3	119.2	7.04	17.928			
1,800.0	1,800.0	1,801.1	1,800.9	3.9	3.5	-40.63	96.6	-82.8	127.2	119.8	7.47	17.022			
1,900.0	1,900.0	1,901.1	1,900.9	4.2	3.8	-40.77	97.4	-84.0	128.6	120.7	7.91	16.253			
2,000.0	2,000.0	2,001.9	2,001.7	4.4	4.0	-40.85	98.0	-84.7	129.6	121.2	8.35	15.524			
2,100.0	2,100.0	2,101.3	2,101.1	4.6	4.2	-40.72	98.9	-85.1	130.5	121.7	8.78	14.871			
2,200.0	2,200.0	2,201.1	2,200.8	4.8	4.4	-40.66	100.0	-85.9	131.8	122.6	9.21	14.310			
2,300.0	2,300.0	2,301.5	2,301.3	5.1	4.6	-40.76	100.7	-86.8	133.0	123.3	9.65	13.781			
2,400.0	2,400.0	2,401.8	2,401.6	5.3	4.8	-41.35	100.5	-88.4	133.9	123.8	10.09	13.272			
2,500.0	2,500.0	2,502.4	2,502.1	5.5	5.0	-42.03	99.8	-90.0	134.4	123.9	10.52	12.775			
2,600.0	2,600.0	2,602.8	2,602.5	5.7	5.2	-42.45	99.3	-90.9	134.6	123.7	10.95	12.289			
2,700.0	2,700.0	2,703.1	2,702.8	6.0	5.4	-42.77	98.8	-91.4	134.6	123.2	11.39	11.816			
2,800.0	2,800.0	2,803.2	2,802.9	6.2	5.7	-43.13	98.1	-91.9	134.4	122.5	11.82	11.363			
2,900.0	2,900.0	2,903.0	2,902.8	6.4	5.9	-43.58	97.2	-92.5	134.2	121.9	12.26	10.944			
2,953.7	2,953.7	2,956.6	2,956.3	6.5	6.0	-43.88	96.7	-93.0	134.1	121.7	12.50	10.735			
3,000.0	3,000.0	3,002.4	3,002.1	6.6	6.1	-44.17	96.3	-93.5	134.2	121.5	12.70	10.572			
3,100.0	3,100.0	3,101.6	3,101.3	6.9	6.3	-44.83	95.7	-95.1	135.0	121.8	13.13	10.278			
3,200.0	3,200.0	3,201.7	3,201.4	7.1	6.5	-45.57	95.2	-97.1	136.0	122.4	13.57	10.020			
3,300.0	3,300.0	3,300.8	3,300.4	7.3	6.7	-46.53	94.3	-99.4	137.1	123.1	14.00	9.787			
3,400.0	3,400.0	3,400.2	3,399.8	7.5	6.9	-47.58	93.7	-102.6	139.0	124.5	14.44	9.624			
3,500.0	3,500.0	3,498.0	3,497.5	7.8	7.1	-48.75	93.3	-106.4	141.6	126.7	14.88	9.519			
3,600.0	3,600.0	3,596.9	3,596.3	8.0	7.4	-50.00	93.6	-111.5	145.7	130.4	15.31	9.517			
3,700.0	3,700.0	3,696.3	3,695.5	8.2	7.6	-51.16	94.1	-116.9	150.2	134.5	15.75	9.540			
3,800.0	3,800.0	3,794.7	3,793.7	8.4	7.8	-52.43	94.6	-123.0	155.4	139.2	16.19	9.600			
3,900.0	3,900.0	3,893.2	3,891.9	8.6	8.0	-111.80	95.1	-130.1	162.5	145.9	16.61	9.784			
4,000.0	3,999.6	3,992.5	3,991.0	8.8	8.3	-112.56	95.7	-137.9	172.1	155.1	16.99	10.130			
4,100.0	4,098.8	4,093.4	4,091.6	9.0	8.5	-114.77	96.2	-145.3	183.3	166.0	17.35	10.564			
4,200.0	4,197.1	4,191.9	4,189.8	9.2	8.7	-117.90	96.1	-152.2	196.7	179.0	17.72	11.104			
4,300.0	4,294.3	4,288.2	4,285.9	9.4	8.9	-121.48	95.9	-159.5	213.7	195.6	18.07	11.823			
4,400.0	4,390.2	4,383.7	4,381.0	9.6	9.2	-125.26	95.6	-167.4	234.9	216.5	18.42	12.756			
4,500.0	4,484.4	4,478.4	4,475.4	9.9	9.4	-129.08	95.3	-175.5	260.6	241.9	18.74	13.910			
4,600.0	4,576.8	4,569.8	4,566.4	10.2	9.6	-132.62	95.1	-183.7	291.3	272.3	19.03	15.310			
4,700.0	4,667.1	4,659.3	4,655.5	10.6	9.8	-135.84	95.2	-192.2	327.2	307.9	19.29	16.965			
4,800.0	4,754.9	4,747.4	4,743.2	11.1	10.0	-138.76	95.5	-200.7	368.3	348.8	19.52	18.869			
4,900.0	4,841.2	4,834.5	4,830.0	11.7	10.2	-142.03	95.9	-209.0	413.0	393.1	19.90	20.754			
5,000.0	4,927.4	4,921.2	4,916.3	12.4	10.5	-144.81	96.2	-217.1	458.6	438.3	20.33	22.561			
5,100.0	5,013.6	5,008.5	5,003.1	13.0	10.7	-147.14	96.7	-225.0	505.1	484.3	20.78	24.303			
5,200.0	5,099.8	5,095.3	5,089.7	13.7	10.9	-149.12	97.1	-232.6	552.0	530.7	21.25	25.974			
5,300.0	5,186.0	5,181.8	5,175.9	14.5	11.1	-150.81	97.6	-240.0	599.4	577.6	21.73	27.578			
5,400.0	5,272.2	5,269.0	5,262.7	15.3	11.3	-152.30	98.1	-247.1	647.1	624.9	22.23	29.112			
5,500.0	5,358.4	5,356.0	5,349.5	16.0	11.5	-153.63	98.7	-253.8	695.1	672.3	22.73	30.582			
5,600.0	5,444.6	5,442.6	5,435.9	16.9	11.7	-154.83	99.3	-259.9	743.3	720.1	23.23	31.995			
5,700.0	5,530.8	5,533.9	5,527.0	17.7	11.9	-156.00	99.7	-265.6	791.5	767.7	23.74	33.336			
5,800.0	5,617.1	5,618.3	5,611.2	18.5	12.1	-156.98	100.0	-270.5	839.8	815.5	24.25	34.625			
5,900.0	5,703.3	5,703.1	5,695.9	19.4	12.3	-157.87	100.5	-275.5	888.4	863.6	24.77	35.864			
6,000.0	5,789.5	5,782.9	5,775.6	20.3	12.5	-158.64	101.3	-279.9	937.6	912.3	25.29	37.079			
6,100.0	5,875.7	5,863.0	5,855.6	21.2	12.6	-159.41	102.8	-283.3	987.5	961.7	25.79	38.289			
6,200.0	5,961.9	5,938.8	5,929.3	22.1	12.8	-160.13	104.6	-285.4	1,038.1	1,011.9	26.28	39.497			
6,300.0	6,048.1	6,007.0	5,999.4	23.0	12.9	-160.81	107.9	-286.6	1,090.6	1,063.8	26.77	40.743			
6,400.0	6,134.3	6,076.4	6,068.7	23.9	13.1	-161.43	111.8	-287.9	1,144.1	1,116.9	27.25	41.979			
6,500.0	6,220.5	6,121.5	6,113.7	24.8	13.2	-161.79	114.9	-288.9	1,199.1	1,171.3	27.73	43.242			
6,600.0	6,306.7	6,149.0	6,141.0	25.7	13.2	-161.99	118.0	-289.9	1,257.4	1,229.2	28.20	44.595			
6,700.0	6,392.9	6,198.0	6,189.4	26.6	13.4	-162.28	125.4	-292.3	1,318.9	1,290.2	28.70	45.954			

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

Company:	Great Western	Local Co-ordinate Reference:	Well Postle IC 11-259HC
Project:	SEC.11-T3N-R68W	TVD Reference:	WELL @ 4993.4ft (RKB - 16.5')
Reference Site:	Postle West Pad Sec.11-T3N-R68W	MD Reference:	WELL @ 4993.4ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Postle IC 11-259HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (12-10-13)	Offset TVD Reference:	Offset Datum

Offset Design Postle West Pad Sec.11-T3N-R68W - Postle IC 11-4HN - Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 ft
Survey Program: 229-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		
6,800.0	6,479.1	6,245.0	6,235.6	27.5	13.5	162.53	133.3	-294.8	1,381.8	1,352.6	29.19	47.331		
6,900.0	6,565.4	6,293.0	6,282.8	28.5	13.6	162.78	142.1	-297.4	1,448.1	1,416.4	29.89	48.702		
7,000.0	6,651.6	6,319.2	6,308.3	29.4	13.7	162.89	147.8	-299.1	1,512.8	1,482.6	30.17	50.134		
7,100.0	6,737.8	6,340.0	6,328.4	30.3	13.7	162.96	152.8	-300.7	1,581.7	1,551.0	30.65	51.600		
7,200.0	6,824.0	6,388.0	6,374.4	31.3	13.8	163.14	165.9	-303.8	1,652.6	1,621.5	31.17	53.025		
7,300.0	6,910.3	6,388.0	6,374.4	32.2	13.8	172.74	165.9	-303.8	1,725.3	1,694.4	30.95	55.746		
7,400.0	6,997.0	6,435.0	6,418.9	32.9	14.0	-151.02	181.0	-305.2	1,799.3	1,768.4	30.87	58.289		
7,500.0	7,080.7	6,435.0	6,418.9	33.6	14.0	-120.31	181.0	-305.2	1,871.2	1,838.4	32.80	57.053		
7,600.0	7,157.1	6,462.3	6,444.5	34.1	14.0	-99.02	190.7	-305.3	1,938.1	1,904.0	34.18	56.705		
7,700.0	7,222.2	6,484.0	6,464.5	34.5	14.1	-84.85	198.9	-305.2	1,997.6	1,963.6	33.93	58.869		
7,800.0	7,272.8	6,509.0	6,487.6	34.8	14.2	-75.91	208.6	-304.8	2,047.2	2,014.7	32.53	62.935		
7,900.0	7,306.3	6,580.7	6,553.9	34.9	14.4	-71.94	235.8	-303.2	2,085.3	2,053.9	31.39	66.435		
8,000.0	7,320.8	6,593.9	6,566.2	35.0	14.4	-69.11	240.6	-303.0	2,110.9	2,080.0	30.87	68.381		
8,100.0	7,321.4	6,595.1	6,567.3	35.0	14.4	-68.74	241.0	-303.0	2,128.9	2,097.2	31.70	67.156		
8,200.0	7,321.4	6,595.8	6,567.9	35.2	14.4	-68.76	241.2	-303.0	2,150.9	2,117.9	32.99	65.202		
8,300.0	7,321.4	7,496.5	7,141.4	35.5	18.3	-85.18	460.9	165.4	2,176.7	2,135.3	41.38	52.608		
8,400.0	7,321.4	7,570.0	7,139.8	36.0	19.4	-85.15	466.3	238.7	2,184.0	2,139.7	44.30	49.296		
8,500.0	7,321.4	7,642.3	7,136.1	36.7	20.7	-85.06	472.8	310.7	2,193.1	2,145.6	47.51	46.157		
8,600.0	7,321.4	7,904.7	7,128.4	37.7	26.0	-84.89	486.4	572.5	2,197.4	2,142.4	54.98	39.966		
8,700.0	7,321.4	8,078.1	7,126.8	38.9	30.0	-84.85	488.5	745.8	2,199.0	2,137.8	61.22	35.921		
8,800.0	7,321.4	8,253.3	7,128.9	40.4	34.2	-84.90	484.8	920.9	2,197.0	2,129.2	67.82	32.394		
8,900.0	7,321.4	8,321.1	7,129.2	42.2	35.9	-84.90	482.0	988.7	2,192.8	2,120.9	71.90	30.497		
9,000.0	7,321.4	8,375.9	7,128.6	44.1	37.3	-84.88	481.0	1,043.4	2,190.6	2,114.9	75.71	28.934		
9,100.0	7,321.4	8,510.2	7,127.8	46.1	40.7	-84.86	479.2	1,177.7	2,189.3	2,107.7	81.63	26.820		
9,200.0	7,321.4	8,607.6	7,127.8	48.3	43.2	-84.85	476.6	1,275.0	2,186.4	2,099.7	86.68	25.224		
9,300.0	7,321.4	8,676.0	7,126.8	50.6	45.0	-84.82	475.4	1,343.5	2,184.5	2,093.5	91.01	24.003		
9,347.6	7,321.4	8,697.1	7,126.3	51.7	45.6	-84.81	475.3	1,364.6	2,184.2	2,091.5	92.78	23.541		
9,400.0	7,321.4	8,728.9	7,125.5	52.9	46.4	-84.79	475.5	1,396.3	2,184.5	2,089.6	94.96	23.004		
9,500.0	7,321.4	8,857.7	7,123.2	55.3	49.8	-84.73	476.3	1,525.2	2,185.2	2,084.2	100.95	21.645		
9,568.8	7,321.4	8,913.0	7,122.6	57.0	51.3	-84.71	476.1	1,580.4	2,184.9	2,080.7	104.22	20.964		
9,600.0	7,321.4	8,934.5	7,122.5	57.8	51.9	-84.71	476.2	1,601.9	2,185.0	2,079.4	105.61	20.689		
9,700.0	7,321.4	9,017.4	7,123.1	60.2	54.1	-84.73	477.8	1,684.8	2,186.5	2,076.0	110.46	19.795		
9,800.0	7,321.4	9,125.5	7,123.3	62.8	57.0	-84.74	479.6	1,792.9	2,187.9	2,071.9	116.01	18.861		
9,900.0	7,321.4	9,294.0	7,124.5	65.3	61.5	-84.77	479.9	1,961.4	2,188.1	2,064.8	123.22	17.758		
10,000.0	7,321.4	9,380.4	7,124.0	67.9	63.9	-84.75	478.5	2,047.8	2,186.3	2,058.1	128.23	17.050		
10,100.0	7,321.4	9,516.7	7,123.9	70.4	67.6	-84.74	475.6	2,184.0	2,183.9	2,049.3	134.61	16.224		
10,200.0	7,321.4	9,602.9	7,121.9	73.0	69.9	-84.68	473.1	2,270.1	2,181.0	2,041.4	139.64	15.619		
10,300.0	7,321.4	9,692.5	7,119.4	75.7	72.4	-84.61	471.2	2,359.7	2,178.9	2,034.2	144.76	15.052		
10,400.0	7,321.4	9,752.0	7,119.4	78.3	74.0	-84.61	470.7	2,419.2	2,177.8	2,028.7	149.09	14.607		
10,404.8	7,321.4	9,754.5	7,119.4	78.4	74.0	-84.61	470.7	2,421.7	2,177.8	2,028.5	149.29	14.588		
10,500.0	7,321.4	9,847.4	7,118.7	80.9	76.6	-84.59	471.2	2,514.6	2,178.2	2,023.8	154.41	14.107		
10,596.0	7,321.4	9,945.7	7,117.5	83.5	79.3	-84.56	471.0	2,612.9	2,177.8	2,018.1	159.70	13.637		
10,600.0	7,321.4	9,948.4	7,117.4	83.6	79.4	-84.56	471.0	2,615.5	2,177.8	2,018.0	159.88	13.622		
10,700.0	7,321.4	10,047.1	7,118.4	86.3	82.1	-84.58	471.6	2,714.3	2,178.2	2,012.9	165.31	13.176		
10,800.0	7,321.4	10,126.7	7,119.4	88.9	84.3	-84.61	472.3	2,793.9	2,178.7	2,008.4	170.23	12.799		
10,900.0	7,321.4	10,183.5	7,119.4	91.6	85.8	-84.61	473.5	2,850.6	2,180.6	2,006.1	174.51	12.495		
11,000.0	7,321.4	10,244.0	7,119.0	94.3	87.5	-84.61	476.1	2,911.1	2,184.7	2,005.8	178.90	12.212		
11,100.0	7,321.4	10,388.0	7,119.0	97.0	91.4	-84.62	481.6	3,055.0	2,188.1	2,002.5	185.59	11.790		
11,200.0	7,321.4	10,518.3	7,117.9	99.7	95.0	-84.60	485.3	3,185.2	2,190.9	1,999.0	191.90	11.417		
11,300.0	7,321.4	10,684.5	7,117.9	102.4	99.1	-84.60	485.2	3,331.5	2,190.3	1,991.7	198.68	11.025		
11,400.0	7,321.4	10,780.6	7,117.9	105.1	102.3	-84.60	484.0	3,447.5	2,189.1	1,984.4	204.63	10.698		
11,500.0	7,321.4	10,877.7	7,118.5	107.9	105.0	-84.61	483.4	3,544.6	2,188.1	1,978.0	210.07	10.416		

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

Company:	Great Western	Local Co-ordinate Reference:	Well Postle IC 11-259HC
Project:	SEC.11-T3N-R68W	TVD Reference:	WELL @ 4993.4ft (RKB - 16.5')
Reference Site:	Postle West Pad Sec.11-T3N-R68W	MD Reference:	WELL @ 4993.4ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Postle IC 11-259HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (12-10-13)	Offset TVD Reference:	Offset Datum

Offset Design Postle West Pad Sec.11-T3N-R68W - Postle IC 11-4HN - Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 ft
Survey Program: 229-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)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
11,600.0	7,321.4	10,959.0	7,119.7	110.6	107.2	-84.64	483.1	3,625.9	2,187.4	1,972.3	215.08	10.170		
11,628.3	7,321.4	10,978.4	7,119.9	111.3	107.8	-84.65	483.1	3,645.2	2,187.3	1,970.9	216.39	10.108		
11,700.0	7,321.4	11,029.3	7,120.6	113.3	109.2	-84.66	483.6	3,696.1	2,187.6	1,967.9	219.78	9.954		
11,800.0	7,321.4	11,117.3	7,120.6	116.0	111.6	-84.67	485.0	3,784.2	2,189.0	1,964.1	224.97	9.731		
11,900.0	7,321.4	11,197.3	7,118.4	118.8	113.8	-84.61	486.4	3,864.1	2,190.8	1,960.9	229.91	9.529		
12,000.0	7,321.4	11,335.6	7,115.6	121.5	117.7	-84.55	489.0	4,002.4	2,192.8	1,956.3	236.46	9.273		
12,100.0	7,321.4	11,423.7	7,113.5	124.2	120.1	-84.49	490.0	4,090.4	2,193.9	1,952.2	241.64	9.079		
12,200.0	7,321.4	11,512.7	7,112.9	127.0	122.6	-84.48	491.2	4,179.4	2,195.1	1,948.2	246.86	8.892		
12,300.0	7,321.4	11,635.2	7,115.1	129.7	126.0	-84.54	492.9	4,301.8	2,196.0	1,942.9	253.03	8.679		
12,369.5	7,321.4	11,689.4	7,115.2	131.0	127.5	-84.55	493.6	4,356.1	2,196.7	1,941.0	255.77	8.589 SF		

Company:	Great Western	Local Co-ordinate Reference:	Well Postle LC 11-259HC
Project:	SEC.11-T3N-R68W	TVD Reference:	WELL @ 4993.4ft (RKB - 16.5')
Reference Site:	Postle West Pad Sec.11-T3N-R68W	MD Reference:	WELL @ 4993.4ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Postle LC 11-259HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (12-10-13)	Offset TVD Reference:	Offset Datum

Offset Design Postle West Pad Sec.11-T3N-R68W - Postle LC 11-162HN - Wellbore #1 - Plan #1 (12-10-13)													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 (ft)	Highside Toolface (°)	Offset Wellbore Centre +N-S (ft)	Offset Wellbore Centre +E-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	0.0	87.21	2.9	59.7	59.8	59.8	0.22	268.110	
100.0	100.0	100.0	100.0	0.1	0.1	0.1	87.21	2.9	59.7	59.8	59.6	0.67	88.703	
200.0	200.0	200.0	200.0	0.3	0.3	0.3	87.21	2.9	59.7	59.8	59.1	1.12	53.222	
300.0	300.0	300.0	300.0	0.6	0.6	0.6	87.21	2.9	59.7	59.8	58.7	1.57	38.016	
400.0	400.0	400.0	400.0	0.8	0.8	0.8	87.21	2.9	59.7	59.8	58.2	2.02	29.588	
500.0	500.0	500.0	500.0	1.0	1.0	1.0	87.21	2.9	59.7	59.8	57.8	2.47	24.192	
600.0	600.0	600.0	600.0	1.2	1.2	1.2	87.21	2.9	59.7	59.8	57.3	2.92	20.470	
700.0	700.0	700.0	700.0	1.5	1.5	1.5	87.21	2.9	59.7	59.8	56.9	3.37	17.741	
800.0	800.0	800.0	800.0	1.7	1.7	1.7	87.21	2.9	59.7	59.8	56.4	3.82	15.654	
900.0	900.0	900.0	900.0	1.9	1.9	1.9	87.21	2.9	59.7	59.8	56.0	4.27	14.006	
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	2.1	87.21	2.9	59.7	59.8	55.5	4.72	12.672	
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	2.4	87.21	2.9	59.7	59.8	55.1	5.17	11.570	
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	2.6	87.21	2.9	59.7	59.8	54.6	5.62	10.644	
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	2.8	87.21	2.9	59.7	59.8	54.2	6.07	9.856	
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	3.0	87.21	2.9	59.7	59.8	53.7	6.52	9.176	
1,500.0	1,500.0	1,500.0	1,500.0	3.3	3.3	3.3	87.21	2.9	59.7	59.8	53.3	6.97	8.584	
1,600.0	1,600.0	1,600.0	1,600.0	3.5	3.5	3.5	87.21	2.9	59.7	59.8	52.8	7.42	8.064	
1,700.0	1,700.0	1,700.0	1,700.0	3.7	3.7	3.7	87.21	2.9	59.7	59.8	52.4	7.87	7.603	
1,800.0	1,800.0	1,800.0	1,800.0	3.9	3.9	3.9	87.21	2.9	59.7	59.8	51.9	8.32	7.192	
1,900.0	1,900.0	1,900.0	1,900.0	4.2	4.2	4.2	87.21	2.9	59.7	59.8	51.5	8.77	6.823	
2,000.0	2,000.0	2,000.0	2,000.0	4.4	4.4	4.4	87.21	2.9	59.7	59.8	51.0	9.22	6.490	
2,100.0	2,100.0	2,100.0	2,100.0	4.6	4.6	4.6	87.21	2.9	59.7	59.8	50.6	9.66	6.189	
2,200.0	2,200.0	2,200.0	2,200.0	4.8	4.8	4.8	87.21	2.9	59.7	59.8	50.1	10.11	5.914	
2,300.0	2,300.0	2,300.0	2,300.0	5.1	5.1	5.1	87.21	2.9	59.7	59.8	49.7	10.56	5.662	
2,400.0	2,400.0	2,400.0	2,400.0	5.3	5.3	5.3	87.21	2.9	59.7	59.8	49.2	11.01	5.431	
2,500.0	2,500.0	2,500.0	2,500.0	5.5	5.5	5.5	87.21	2.9	59.7	59.8	48.8	11.46	5.218	
2,600.0	2,600.0	2,600.0	2,600.0	5.7	5.7	5.7	87.21	2.9	59.7	59.8	48.3	11.91	5.021	
2,700.0	2,700.0	2,700.0	2,700.0	6.0	6.0	6.0	87.21	2.9	59.7	59.8	47.9	12.36	4.838	
2,800.0	2,800.0	2,800.0	2,800.0	6.2	6.2	6.2	87.21	2.9	59.7	59.8	47.5	12.81	4.669	
2,900.0	2,900.0	2,900.0	2,900.0	6.4	6.4	6.4	87.21	2.9	59.7	59.8	47.0	13.26	4.510	
3,000.0	3,000.0	3,000.0	3,000.0	6.6	6.6	6.6	87.21	2.9	59.7	59.8	46.6	13.71	4.362	
3,100.0	3,100.0	3,100.0	3,100.0	6.9	6.9	6.9	87.21	2.9	59.7	59.8	46.1	14.16	4.224	
3,200.0	3,200.0	3,200.0	3,200.0	7.1	7.1	7.1	87.21	2.9	59.7	59.8	45.7	14.61	4.094	
3,300.0	3,300.0	3,300.0	3,300.0	7.3	7.3	7.3	87.21	2.9	59.7	59.8	45.2	15.06	3.972	
3,400.0	3,400.0	3,400.0	3,400.0	7.5	7.5	7.5	87.21	2.9	59.7	59.8	44.8	15.51	3.857	
3,500.0	3,500.0	3,500.0	3,500.0	7.8	7.8	7.8	87.21	2.9	59.7	59.8	44.3	15.96	3.748	
3,600.0	3,600.0	3,600.0	3,600.0	8.0	8.0	8.0	87.21	2.9	59.7	59.8	43.9	16.41	3.645	
3,700.0	3,700.0	3,700.0	3,700.0	8.2	8.2	8.2	87.21	2.9	59.7	59.8	43.4	16.86	3.548 CC, ES	
3,800.0	3,800.0	3,800.0	3,800.0	8.4	8.4	8.4	87.21	2.9	59.7	59.8	43.0	17.27	3.512 SF	
3,900.0	3,900.0	3,900.0	3,900.0	8.6	8.7	-110.14	87.21	2.9	59.7	60.7	43.4	17.65	3.614	
4,000.0	3,999.6	3,999.6	3,999.6	8.8	8.9	-116.67	87.21	2.9	59.7	63.8	46.1	18.00	3.926	
4,100.0	4,098.8	4,098.8	4,098.8	9.0	9.1	-125.95	87.21	2.9	59.7	70.6	52.6	18.29	4.525	
4,200.0	4,197.1	4,197.1	4,197.1	9.2	9.3	-135.88	87.21	2.9	59.7	82.7	64.5	18.51	5.454	
4,300.0	4,294.3	4,294.3	4,294.3	9.4	9.5	-144.73	87.21	2.9	59.7	101.0	82.5	18.67	6.717	
4,400.0	4,390.2	4,390.2	4,390.2	9.6	9.8	-151.82	87.21	2.9	59.7	125.4	106.8	18.78	8.300	
4,500.0	4,484.4	4,484.4	4,484.4	9.9	10.0	-157.21	87.21	2.9	59.7	155.9	137.1	18.85	10.188	
4,600.0	4,576.8	4,576.8	4,576.8	10.2	10.2	-161.23	87.21	2.9	59.7	192.0	173.2	18.88	12.369	
4,700.0	4,667.1	4,667.1	4,667.1	10.6	10.4	-164.24	87.21	2.9	59.7	233.5	214.6	18.87	14.839	
4,800.0	4,754.9	4,754.9	4,754.9	11.1	10.6	-166.51	87.21	2.9	59.7	280.0	261.1	19.19	17.183	
4,900.0	4,841.2	4,841.2	4,841.2	11.7	10.8	-168.50	87.21	2.9	59.7	329.7	310.6	19.59	19.381	
5,000.0	4,927.4	4,929.1	4,929.1	12.4	11.0	-170.05	87.21	2.9	59.7	379.7	360.1	20.02	21.340	
5,100.0	5,013.6	5,039.2	5,039.1	13.0	11.2	-171.64	87.21	0.0	57.4	427.1	407.1			

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

Company:	Great Western	Local Co-ordinate Reference:	Well Postle LC 11-259HC
Project:	SEC.11-T3N-R68W	TVD Reference:	WELL @ 4993.4ft (RKB - 16.5')
Reference Site:	Postle West Pad Sec.11-T3N-R68W	MD Reference:	WELL @ 4993.4ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Postle LC 11-259HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (12-10-13)	Offset TVD Reference:	Offset Datum

Offset Design Postle West Pad Sec.11-T3N-R68W - Postle LC 11-162HN - Wellbore #1 - Plan #1 (12-10-13)												Offset Site Error:	0.0ft
Survey Program: 0-MWD												Offset Well Error:	0.0ft
Measured Depth (ft)	Vertical Depth (ft)	Offset		Semi Major Axis			Distance					Warning	
		Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)		Separation Factor
5,200.0	5,099.8	5,155.4	5,154.8	13.7	11.4	-173.19	-8.3	50.6	489.6	449.2	20.45	22.969	
5,300.0	5,188.0	5,277.3	5,275.2	14.5	11.6	-174.78	-22.9	38.7	506.9	486.0	20.90	24.247	
5,400.0	5,272.2	5,404.3	5,399.2	15.3	11.9	-176.45	-44.4	21.2	538.6	517.2	21.39	25.174	
5,500.0	5,358.4	5,535.6	5,525.0	16.0	12.2	-178.26	-73.3	-2.4	564.5	542.6	21.93	25.745	
5,600.0	5,444.6	5,670.0	5,650.9	16.9	12.6	-179.75	-109.8	-32.1	584.5	562.0	22.51	25.970	
5,700.0	5,530.8	5,806.4	5,774.9	17.7	13.1	-177.52	-153.7	-67.8	598.5	575.3	23.16	25.837	
5,800.0	5,617.1	5,938.6	5,891.0	18.5	13.7	-175.12	-202.7	-107.7	606.7	582.8	23.92	25.367	
5,900.0	5,703.3	6,036.4	5,975.5	19.4	14.2	-173.27	-240.9	-138.8	613.1	588.5	24.65	24.875	
6,000.0	5,789.5	6,134.1	6,060.0	20.3	14.8	-171.47	-279.0	-169.9	620.2	594.7	25.45	24.367	
6,100.0	5,875.7	6,231.9	6,144.5	21.2	15.5	-169.70	-317.1	-200.9	627.8	601.5	26.33	23.842	
6,200.0	5,961.9	6,329.7	6,229.0	22.1	16.1	-167.98	-355.3	-232.0	636.1	608.8	27.30	23.304	
6,300.0	6,048.1	6,427.4	6,313.5	23.0	16.8	-166.30	-393.4	-263.1	645.0	616.6	28.34	22.759	
6,400.0	6,134.3	6,525.2	6,398.0	23.9	17.6	-164.66	-431.5	-294.1	654.4	624.9	29.46	22.211	
6,500.0	6,220.5	6,623.0	6,482.5	24.8	18.3	-163.08	-469.7	-325.2	664.3	633.7	30.66	21.666	
6,600.0	6,306.7	6,720.7	6,567.0	25.7	19.1	-161.53	-507.8	-356.2	674.8	642.8	31.94	21.128	
6,700.0	6,392.9	6,825.1	6,657.7	26.6	19.9	-160.09	-548.8	-387.6	685.6	652.3	33.27	20.608	
6,800.0	6,479.1	6,943.8	6,765.1	27.5	20.5	-160.53	-597.1	-399.1	694.4	660.4	33.99	20.431	
6,900.0	6,565.4	7,052.7	6,862.8	28.5	20.9	-163.17	-641.1	-381.7	701.3	667.4	33.92	20.677	
7,000.0	6,651.6	7,142.3	6,938.4	29.4	21.1	-166.79	-675.0	-348.0	709.5	675.9	33.53	21.160	
7,100.0	6,737.8	7,211.8	6,991.9	30.3	21.1	-170.39	-699.0	-310.7	722.5	689.2	33.24	21.734	
7,200.0	6,824.0	7,265.0	7,028.8	31.3	21.1	-173.50	-715.5	-276.3	742.8	709.6	33.20	22.376	
7,300.0	6,910.3	7,306.3	7,054.7	32.2	21.1	-176.94	-727.0	-246.3	771.8	738.5	33.35	23.143	
7,400.0	6,997.0	7,350.0	7,079.2	32.9	21.1	-147.46	-738.0	-211.8	806.1	771.9	34.21	23.562	
7,500.0	7,080.7	7,388.4	7,098.1	33.6	21.1	-123.05	-746.4	-179.4	841.5	805.8	35.62	23.624	
7,600.0	7,157.1	7,431.6	7,116.2	34.1	21.0	-105.51	-754.4	-141.1	874.8	838.1	36.74	23.813	
7,700.0	7,222.2	7,475.0	7,130.8	34.5	21.0	-93.71	-760.8	-100.7	903.7	868.6	37.09	24.366	
7,800.0	7,272.8	7,525.0	7,143.1	34.8	20.9	-86.01	-766.2	-52.6	926.3	889.3	36.99	25.041	
7,900.0	7,306.3	7,564.9	7,149.2	34.9	20.8	-81.63	-768.9	-13.3	941.2	904.3	36.95	25.475	
8,000.0	7,320.8	7,609.9	7,152.3	35.0	20.7	-79.81	-770.1	31.6	947.9	910.1	37.73	25.120	
8,100.0	7,321.4	7,697.2	7,152.4	35.0	20.5	-79.73	-769.9	118.9	948.2	908.4	39.79	23.829	
8,200.0	7,321.4	7,797.2	7,152.4	35.2	22.0	-79.73	-769.5	218.9	948.3	905.7	42.81	22.257	
8,300.0	7,321.4	7,897.2	7,152.4	35.5	23.9	-79.74	-769.2	318.9	948.4	902.5	45.92	20.656	
8,400.0	7,321.4	7,997.2	7,152.4	36.0	25.9	-79.74	-768.9	418.9	948.5	898.9	49.62	19.115	
8,500.0	7,321.4	8,097.2	7,152.4	36.7	28.0	-79.74	-768.5	518.9	948.6	895.0	53.64	17.685	
8,600.0	7,321.4	8,197.2	7,152.4	37.7	30.2	-79.74	-768.2	618.9	948.7	890.8	57.91	16.382	
8,700.0	7,321.4	8,297.2	7,152.4	38.9	32.5	-79.74	-767.9	718.9	948.8	886.5	62.38	15.211	
8,800.0	7,321.4	8,397.2	7,152.4	40.4	34.9	-79.74	-767.5	818.9	948.9	881.9	67.01	14.162	
8,900.0	7,321.4	8,497.2	7,152.4	42.2	37.4	-79.74	-767.2	918.9	949.0	877.3	71.76	13.225	
9,000.0	7,321.4	8,597.2	7,152.4	44.1	39.8	-79.74	-766.9	1,018.9	949.1	872.5	76.62	12.388	
9,100.0	7,321.4	8,697.2	7,152.4	46.1	42.3	-79.74	-766.5	1,118.9	949.2	867.7	81.56	11.638	
9,200.0	7,321.4	8,797.2	7,152.4	48.3	44.9	-79.75	-766.2	1,218.9	949.3	862.7	86.58	10.965	
9,300.0	7,321.4	8,897.2	7,152.4	50.6	47.5	-79.75	-765.8	1,318.9	949.4	857.8	91.65	10.359	
9,400.0	7,321.4	8,997.2	7,152.4	52.9	50.1	-79.75	-765.5	1,418.9	949.5	852.7	96.77	9.812	
9,500.0	7,321.4	9,097.2	7,152.4	55.3	52.7	-79.75	-765.2	1,518.9	949.6	847.7	101.94	9.315	
9,600.0	7,321.4	9,197.2	7,152.4	57.8	55.3	-79.75	-764.8	1,618.9	949.7	842.6	107.14	8.864	
9,700.0	7,321.4	9,297.2	7,152.4	60.2	58.0	-79.75	-764.5	1,718.9	949.8	837.4	112.38	8.452	
9,800.0	7,321.4	9,397.2	7,152.4	62.8	60.6	-79.75	-764.2	1,818.9	949.9	832.3	117.64	8.075	
9,900.0	7,321.4	9,497.2	7,152.4	65.3	63.3	-79.75	-763.8	1,918.9	950.0	827.1	122.92	7.729	
10,000.0	7,321.4	9,597.2	7,152.4	67.9	66.0	-79.75	-763.5	2,018.9	950.1	821.9	128.23	7.410	
10,100.0	7,321.4	9,697.2	7,152.4	70.4	68.7	-79.76	-763.2	2,118.9	950.2	816.7	133.55	7.115	
10,200.0	7,321.4	9,797.2	7,152.4	73.0	71.4	-79.76	-762.8	2,218.9	950.3	811.4	138.89	6.842	
10,300.0	7,321.4	9,897.2	7,152.4	75.7	74.1	-79.76	-762.5	2,318.9	950.4	806.2	144.24	6.589	

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

Company:	Great Western	Local Co-ordinate Reference:	Well Postle IC 11-259HC
Project:	SEC.11-T3N-R68W	TVD Reference:	WELL @ 4993.4ft (RKB - 16.5')
Reference Site:	Postle West Pad Sec.11-T3N-R68W	MD Reference:	WELL @ 4993.4ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Postle IC 11-259HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (12-10-13)	Offset TVD Reference:	Offset Datum

Offset Design Postle West Pad Sec.11-T3N-R68W - Postle LC 11-162HN - Wellbore #1 - Plan #1 (12-10-13)													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		
10,400.0	7,321.4	9,997.2	7,152.4	78.3	76.8	-79.76	-762.2	2,418.9	950.5	800.9	149.61	6.353		
10,500.0	7,321.4	10,097.2	7,152.4	80.9	79.6	-79.76	-761.8	2,518.9	950.6	795.6	154.99	6.133		
10,600.0	7,321.4	10,197.2	7,152.4	83.6	82.3	-79.76	-761.5	2,618.9	950.7	790.3	160.38	5.928		
10,700.0	7,321.4	10,297.2	7,152.4	86.3	85.0	-79.76	-761.2	2,718.9	950.8	785.0	165.77	5.736		
10,800.0	7,321.4	10,397.2	7,152.4	88.9	87.8	-79.76	-760.8	2,818.9	950.9	779.7	171.18	5.555		
10,900.0	7,321.4	10,497.2	7,152.4	91.6	90.5	-79.76	-760.5	2,918.9	951.0	774.4	176.59	5.385		
11,000.0	7,321.4	10,597.2	7,152.4	94.3	93.2	-79.76	-760.2	3,018.9	951.1	769.1	182.01	5.225		
11,100.0	7,321.4	10,697.2	7,152.4	97.0	96.0	-79.77	-759.8	3,118.9	951.2	763.7	187.44	5.075		
11,200.0	7,321.4	10,797.2	7,152.4	99.7	98.7	-79.77	-759.5	3,218.9	951.3	758.4	192.87	4.932		
11,300.0	7,321.4	10,897.2	7,152.4	102.4	101.5	-79.77	-759.1	3,318.9	951.4	753.1	198.31	4.797		
11,400.0	7,321.4	10,997.2	7,152.4	105.1	104.3	-79.77	-758.8	3,418.9	951.5	747.7	203.76	4.670		
11,500.0	7,321.4	11,097.2	7,152.4	107.9	107.0	-79.77	-758.5	3,518.9	951.6	742.4	209.20	4.549		
11,600.0	7,321.4	11,197.2	7,152.4	110.6	109.8	-79.77	-758.1	3,618.9	951.7	737.0	214.66	4.433		
11,700.0	7,321.4	11,297.2	7,152.4	113.3	112.5	-79.77	-757.8	3,718.9	951.8	731.7	220.11	4.324		
11,800.0	7,321.4	11,397.2	7,152.4	116.0	115.3	-79.77	-757.5	3,818.9	951.9	726.3	225.57	4.220		
11,900.0	7,321.4	11,497.2	7,152.4	118.8	118.1	-79.77	-757.1	3,918.9	952.0	720.9	231.04	4.120		
12,000.0	7,321.4	11,597.2	7,152.4	121.5	120.8	-79.78	-756.8	4,018.9	952.1	715.6	236.50	4.026		
12,100.0	7,321.4	11,697.2	7,152.4	124.2	123.6	-79.78	-756.5	4,118.9	952.2	710.2	241.97	3.935		
12,200.0	7,321.4	11,797.2	7,152.4	127.0	126.4	-79.78	-756.1	4,218.9	952.3	704.8	247.44	3.848		
12,300.0	7,321.4	11,897.2	7,152.4	129.7	129.2	-79.78	-755.8	4,318.9	952.4	699.4	252.92	3.766		
12,369.5	7,321.4	11,966.8	7,152.4	131.0	130.4	-79.78	-755.6	4,388.4	952.4	697.1	255.38	3.730		

Company:	Great Western	Local Co-ordinate Reference:	Well Postle IC 11-259HC
Project:	SEC.11-T3N-R68W	TVD Reference:	WELL @ 4993.4ft (RKB - 16.5')
Reference Site:	Postle West Pad Sec.11-T3N-R68W	MD Reference:	WELL @ 4993.4ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Postle IC 11-259HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (12-10-13)	Offset TVD Reference:	Offset Datum

Offset Design Postle West Pad Sec.11-T3N-R68W - Postle LC 11-239HN - Wellbore #1 - Plan #1 (12-10-13)													Offset Site Error:	0.0ft
Survey Program: 0-MWD													Offset Well Error:	0.0ft
Reference	Offset		Semi Major Axis		Distance		Wellbore Centre		Between	Between	Minimum	Separation	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	+N/-S (ft)	+E/-W (ft)	Centres (ft)	Ellipses (ft)	Separation (ft)	Factor		
0.0	0.0	0.0	0.0	0.0	0.0	88.62	0.7	30.1	30.2	29.9	0.22	134.178		
100.0	100.0	100.0	100.0	0.1	0.1	88.62	0.7	30.1	30.2	29.5	0.67	44.728		
200.0	200.0	200.0	200.0	0.3	0.3	88.62	0.7	30.1	30.2	29.0	1.12	26.836		
300.0	300.0	300.0	300.0	0.6	0.6	88.62	0.7	30.1	30.2	28.6	1.57	19.168		
400.0	400.0	400.0	400.0	0.8	0.8	88.62	0.7	30.1	30.2	28.1	2.02	14.909		
500.0	500.0	500.0	500.0	1.0	1.0	88.62	0.7	30.1	30.2	27.7	2.47	12.198		
600.0	600.0	600.0	600.0	1.2	1.2	88.62	0.7	30.1	30.2	27.2	2.92	10.321		
700.0	700.0	700.0	700.0	1.5	1.5	88.62	0.7	30.1	30.2	26.8	3.37	8.945		
800.0	800.0	800.0	800.0	1.7	1.7	88.62	0.7	30.1	30.2	26.3	3.82	7.893		
900.0	900.0	900.0	900.0	1.9	1.9	88.62	0.7	30.1	30.2	25.9	4.27	7.062		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	88.62	0.7	30.1	30.2	25.4	4.72	6.389		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	88.62	0.7	30.1	30.2	25.0	5.17	5.834		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	88.62	0.7	30.1	30.2	24.5	5.62	5.367		
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	88.62	0.7	30.1	30.2	24.1	6.07	4.970		
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	88.62	0.7	30.1	30.2	23.6	6.52	4.627		
1,500.0	1,500.0	1,500.0	1,500.0	3.3	3.3	88.62	0.7	30.1	30.2	23.2	6.97	4.328		
1,600.0	1,600.0	1,600.0	1,600.0	3.5	3.5	88.62	0.7	30.1	30.2	22.7	7.42	4.066		
1,700.0	1,700.0	1,700.0	1,700.0	3.7	3.7	88.62	0.7	30.1	30.2	22.3	7.87	3.834		
1,800.0	1,800.0	1,800.0	1,800.0	3.9	3.9	88.62	0.7	30.1	30.2	21.8	8.32	3.626		
1,900.0	1,900.0	1,900.0	1,900.0	4.2	4.2	88.62	0.7	30.1	30.2	21.4	8.77	3.440		
2,000.0	2,000.0	2,000.0	2,000.0	4.4	4.4	88.62	0.7	30.1	30.2	20.9	9.22	3.273		
2,100.0	2,100.0	2,100.0	2,100.0	4.6	4.6	88.62	0.7	30.1	30.2	20.5	9.66	3.120		
2,200.0	2,200.0	2,200.0	2,200.0	4.8	4.8	88.62	0.7	30.1	30.2	20.0	10.11	2.982		
2,300.0	2,300.0	2,300.0	2,300.0	5.1	5.1	88.62	0.7	30.1	30.2	19.6	10.56	2.855		
2,400.0	2,400.0	2,400.0	2,400.0	5.3	5.3	88.62	0.7	30.1	30.2	19.1	11.01	2.738		
2,500.0	2,500.0	2,500.0	2,500.0	5.5	5.5	88.62	0.7	30.1	30.2	18.7	11.46	2.631		
2,600.0	2,600.0	2,600.0	2,600.0	5.7	5.7	88.62	0.7	30.1	30.2	18.2	11.91	2.532		
2,700.0	2,700.0	2,700.0	2,700.0	6.0	6.0	88.62	0.7	30.1	30.2	17.8	12.36	2.440		
2,800.0	2,800.0	2,800.0	2,800.0	6.2	6.2	88.62	0.7	30.1	30.2	17.3	12.81	2.354		
2,900.0	2,900.0	2,900.0	2,900.0	6.4	6.4	88.62	0.7	30.1	30.2	16.9	13.26	2.274		
3,000.0	3,000.0	3,000.0	3,000.0	6.6	6.6	88.62	0.7	30.1	30.2	16.4	13.71	2.200		
3,100.0	3,100.0	3,100.0	3,100.0	6.9	6.9	88.62	0.7	30.1	30.2	16.0	14.16	2.130		
3,200.0	3,200.0	3,200.0	3,200.0	7.1	7.1	88.62	0.7	30.1	30.2	15.5	14.61	2.064		
3,300.0	3,300.0	3,300.0	3,300.0	7.3	7.3	88.62	0.7	30.1	30.2	15.1	15.06	2.003		
3,400.0	3,400.0	3,400.0	3,400.0	7.5	7.5	88.62	0.7	30.1	30.2	14.6	15.51	1.945		
3,500.0	3,500.0	3,500.0	3,500.0	7.8	7.8	88.62	0.7	30.1	30.2	14.2	15.96	1.890		
3,600.0	3,600.0	3,600.0	3,600.0	8.0	8.0	88.62	0.7	30.1	30.2	13.8	16.41	1.838		
3,700.0	3,700.0	3,700.0	3,700.0	8.2	8.2	88.62	0.7	30.1	30.2	13.3	16.86	1.789 CC, ES		
3,800.0	3,800.0	3,800.0	3,800.0	8.4	8.4	88.62	0.7	30.1	30.2	13.7	17.27	1.795		
3,900.0	3,900.0	3,900.0	3,900.0	8.6	8.7	-111.02	0.7	30.1	31.0	17.0	17.64	1.961		
4,000.0	3,999.6	3,999.6	3,999.6	8.8	8.9	-123.12	0.7	30.1	34.6	25.2	17.96	2.403		
4,100.0	4,098.8	4,098.8	4,098.8	9.0	9.1	-137.56	0.7	30.1	43.2	37.5	18.19	3.062		
4,200.0	4,197.1	4,197.1	4,197.1	9.2	9.3	-148.88	-1.7	29.3	55.7	50.9	18.35	3.777		
4,300.0	4,294.3	4,301.6	4,301.2	9.4	9.5	-155.93	-9.3	26.5	69.3	64.9	18.46	4.515		
4,400.0	4,390.2	4,404.3	4,403.0	9.6	9.7	-161.07	-22.0	21.8	83.4	79.1	18.54	5.266		
4,500.0	4,484.4	4,507.9	4,504.8	9.9	9.8	-164.97	-40.0	15.2	97.6	93.4	18.59	6.021		
4,600.0	4,576.8	4,612.4	4,606.3	10.2	10.1	-168.11	-63.4	6.6	112.0	107.6	18.62	6.779		
4,700.0	4,667.1	4,717.8	4,707.1	10.6	10.3	-170.74	-92.3	-3.9	126.2	121.7	18.62	7.537		
4,800.0	4,754.9	4,824.1	4,808.8	11.1	10.6	-173.04	-126.6	-16.5	140.4	133.4	18.99	8.025		
4,900.0	4,841.2	4,931.5	4,905.4	11.7	11.0	-175.07	-166.5	-31.2	152.4	139.6	19.46	8.174		
5,000.0	4,927.4	5,040.0	5,002.5	12.4	11.5	-176.86	-212.1	-47.9	159.0	140.5	19.95	8.040		
5,100.0	5,013.6	5,146.0	5,094.6	13.0	12.0	-178.56	-261.3	-65.9	160.4	140.5	19.95	8.040		

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

Company:	Great Western	Local Co-ordinate Reference:	Well Postle IC 11-259HC
Project:	SEC.11-T3N-R68W	TVD Reference:	WELL @ 4993.4ft (RKB - 16.5')
Reference Site:	Postle West Pad Sec.11-T3N-R68W	MD Reference:	WELL @ 4993.4ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Postle IC 11-259HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (12-10-13)	Offset TVD Reference:	Offset Datum

Offset Design Postle West Pad Sec.11-T3N-R68W - Postle LC 11-239HN - Wellbore #1 - Plan #1 (12-10-13)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
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)				
5,200.0	5,099.8	5,245.9	5,180.8	13.7	12.6	179.83	-308.7	-83.3	160.7	140.2	20.47	7.848		
5,300.0	5,188.0	5,345.8	5,267.0	14.5	13.2	178.23	-356.2	-100.7	161.0	140.0	21.03	7.659		
5,400.0	5,272.2	5,445.7	5,353.1	15.3	13.9	178.64	-403.6	-118.1	161.5	139.9	21.62	7.470		
5,500.0	5,358.4	5,545.6	5,439.3	16.0	14.6	175.05	-451.0	-135.5	162.1	139.9	22.28	7.283		
5,600.0	5,444.6	5,645.5	5,525.5	16.9	15.4	173.48	-498.5	-152.9	162.9	139.9	22.95	7.096		
5,700.0	5,530.8	5,745.4	5,611.7	17.7	16.1	171.93	-545.9	-170.2	163.7	140.0	23.70	6.909		
5,800.0	5,617.1	5,845.2	5,697.9	18.5	16.9	170.39	-593.3	-187.6	164.7	140.2	24.50	6.723		
5,900.0	5,703.3	5,945.1	5,784.1	19.4	17.7	168.87	-640.8	-205.0	165.8	140.5	25.36	6.538		
6,000.0	5,789.5	6,045.0	5,870.2	20.3	18.6	167.37	-688.2	-222.4	167.0	140.8	26.29	6.354		
6,100.0	5,875.7	6,144.9	5,956.4	21.2	19.4	165.90	-735.6	-239.8	168.4	141.1	27.28	6.171		
6,200.0	5,961.9	6,244.8	6,042.6	22.1	20.3	164.45	-783.1	-257.2	169.8	141.5	28.34	5.992		
6,300.0	6,048.1	6,344.7	6,128.8	23.0	21.1	163.02	-830.5	-274.6	171.4	141.9	29.46	5.816		
6,400.0	6,134.3	6,444.6	6,215.0	23.9	22.0	161.62	-877.9	-292.0	173.0	142.3	30.65	5.644		
6,500.0	6,220.5	6,544.5	6,301.1	24.8	22.9	160.25	-925.4	-309.4	174.8	142.8	31.91	5.477		
6,600.0	6,306.7	6,644.4	6,387.3	25.7	23.8	158.91	-972.8	-326.7	176.6	143.4	33.23	5.315		
6,700.0	6,392.9	6,744.3	6,473.5	26.6	24.7	157.59	-1,020.2	-344.1	178.5	143.9	34.60	5.160		
6,800.0	6,479.1	6,844.2	6,559.7	27.5	25.6	156.31	-1,067.7	-361.5	180.6	144.5	36.04	5.010		
6,900.0	6,565.4	6,944.1	6,645.9	28.5	26.5	155.05	-1,115.1	-378.9	182.7	145.2	37.53	4.868		
7,000.0	6,651.6	7,047.9	6,735.7	29.4	27.4	154.40	-1,164.5	-394.9	184.5	145.7	38.83	4.752		
7,100.0	6,737.8	7,154.1	6,828.4	30.3	28.1	160.11	-1,215.5	-390.4	182.9	145.5	37.43	4.886		
7,146.9	6,778.2	7,199.6	6,867.4	30.8	28.4	164.97	-1,236.9	-380.7	182.3	146.2	36.05	5.056		
7,200.0	6,824.0	7,246.9	6,906.7	31.3	28.6	171.42	-1,258.5	-365.9	183.6	149.0	34.65	5.301		
7,300.0	6,910.3	7,322.8	6,966.2	32.2	29.0	-169.55	-1,291.2	-332.3	197.8	163.3	34.51	5.733		
7,400.0	6,997.0	7,390.8	7,014.7	32.9	29.2	-134.23	-1,317.7	-292.6	224.9	186.6	38.31	5.872		
7,500.0	7,080.7	7,455.9	7,055.5	33.6	29.4	-106.29	-1,340.1	-247.2	256.4	214.8	41.51	6.175		
7,600.0	7,157.1	7,518.9	7,089.0	34.1	29.5	-87.30	-1,358.4	-197.2	286.9	245.0	41.82	6.860		
7,700.0	7,222.2	7,580.5	7,115.4	34.5	29.6	-75.09	-1,372.8	-143.4	313.3	273.8	39.48	7.936		
7,800.0	7,272.8	7,641.2	7,134.7	34.8	29.6	-67.52	-1,383.3	-87.0	333.8	298.0	35.80	9.324		
7,900.0	7,308.3	7,700.0	7,146.8	34.9	29.6	-63.24	-1,389.8	-29.8	347.3	314.7	32.59	10.657		
8,000.0	7,320.8	7,761.0	7,152.2	35.0	29.6	-61.50	-1,392.6	30.9	353.2	321.4	31.76	11.118		
8,100.0	7,321.4	7,851.5	7,152.4	35.0	29.6	-61.43	-1,392.5	121.3	353.4	319.9	33.56	10.532		
8,200.0	7,321.4	7,951.5	7,152.4	35.2	29.8	-61.43	-1,392.3	221.3	353.4	317.4	38.03	9.809		
8,300.0	7,321.4	8,051.5	7,152.4	35.5	30.2	-61.43	-1,392.0	321.3	353.4	314.4	38.99	9.065		
8,400.0	7,321.4	8,151.5	7,152.4	36.0	30.8	-61.43	-1,391.8	421.3	353.4	311.1	42.33	8.350		
8,500.0	7,321.4	8,251.5	7,152.4	36.7	31.9	-61.44	-1,391.6	521.3	353.4	307.5	45.96	7.690		
8,600.0	7,321.4	8,351.5	7,152.4	37.7	33.3	-61.44	-1,391.3	621.3	353.5	303.6	49.84	7.092		
8,700.0	7,321.4	8,451.5	7,152.4	38.9	35.1	-61.44	-1,391.1	721.3	353.5	299.6	53.89	6.559		
8,800.0	7,321.4	8,551.5	7,152.4	40.4	37.0	-61.44	-1,390.8	821.3	353.5	295.4	58.09	6.085		
8,900.0	7,321.4	8,651.5	7,152.4	42.2	39.2	-61.44	-1,390.6	921.3	353.5	291.1	62.40	5.684		
9,000.0	7,321.4	8,751.5	7,152.4	44.1	41.4	-61.44	-1,390.3	1,021.3	353.5	286.7	66.81	5.291		
9,100.0	7,321.4	8,851.5	7,152.4	46.1	43.7	-61.44	-1,390.1	1,121.3	353.5	282.2	71.30	4.958		
9,200.0	7,321.4	8,951.5	7,152.4	48.3	46.1	-61.44	-1,389.9	1,221.3	353.5	277.7	75.84	4.661		
9,300.0	7,321.4	9,051.5	7,152.4	50.6	48.6	-61.44	-1,389.6	1,321.3	353.5	273.1	80.44	4.395		
9,400.0	7,321.4	9,151.5	7,152.4	52.9	51.1	-61.44	-1,389.4	1,421.3	353.5	268.4	85.08	4.155		
9,500.0	7,321.4	9,251.5	7,152.4	55.3	53.6	-61.44	-1,389.1	1,521.3	353.5	263.8	89.76	3.938		
9,600.0	7,321.4	9,351.5	7,152.4	57.8	56.2	-61.44	-1,388.9	1,621.3	353.5	259.1	94.47	3.742		
9,700.0	7,321.4	9,451.5	7,152.4	60.2	58.7	-61.44	-1,388.6	1,721.3	353.5	254.3	99.21	3.564		
9,800.0	7,321.4	9,551.5	7,152.4	62.8	61.3	-61.44	-1,388.4	1,821.3	353.5	249.6	103.97	3.401		
9,900.0	7,321.4	9,651.5	7,152.4	65.3	63.9	-61.44	-1,388.2	1,921.3	353.5	244.8	108.75	3.251		
10,000.0	7,321.4	9,751.5	7,152.4	67.9	66.6	-61.44	-1,387.9	2,021.3	353.6	240.0	113.54	3.114		
10,100.0	7,321.4	9,851.5	7,152.4	70.4	69.2	-61.45	-1,387.7	2,121.3	353.6	235.2	118.36	2.987		
10,200.0	7,321.4	9,951.5	7,152.4	73.0	71.9	-61.45	-1,387.4	2,221.3	353.6	230.4	123.18	2.870		

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

Company:	Great Western	Local Co-ordinate Reference:	Well Postle LC 11-259HC
Project:	SEC.11-T3N-R68W	TVD Reference:	WELL @ 4993.4ft (RKB - 16.5')
Reference Site:	Postle West Pad Sec.11-T3N-R68W	MD Reference:	WELL @ 4993.4ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Postle IC 11-259HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (12-10-13)	Offset TVD Reference:	Offset Datum

Offset Design Postle West Pad Sec.11-T3N-R68W - Postle LC 11-239HN - Wellbore #1 - Plan #1 (12-10-13)													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		
10,300.0	7,321.4	10,051.5	7,152.4	75.7	74.5	-61.45	-1,387.2	2,321.3	353.6	225.6	128.02	2.782		
10,400.0	7,321.4	10,151.5	7,152.4	78.3	77.2	-61.45	-1,388.9	2,421.3	353.6	220.7	132.87	2.861		
10,500.0	7,321.4	10,251.5	7,152.4	80.9	79.9	-61.45	-1,386.7	2,521.3	353.6	215.9	137.73	2.567		
10,600.0	7,321.4	10,351.5	7,152.4	83.6	82.6	-61.45	-1,386.4	2,621.3	353.6	211.0	142.60	2.480		
10,700.0	7,321.4	10,451.5	7,152.4	86.3	85.3	-61.45	-1,388.2	2,721.3	353.6	208.1	147.47	2.398		
10,800.0	7,321.4	10,551.5	7,152.4	88.9	88.0	-61.45	-1,388.0	2,821.3	353.6	201.3	152.35	2.321		
10,900.0	7,321.4	10,651.5	7,152.4	91.6	90.7	-61.45	-1,385.7	2,921.3	353.6	196.4	157.24	2.249		
11,000.0	7,321.4	10,751.5	7,152.4	94.3	93.4	-61.45	-1,385.5	3,021.3	353.6	191.5	162.14	2.181		
11,100.0	7,321.4	10,851.5	7,152.4	97.0	96.2	-61.45	-1,385.2	3,121.3	353.6	186.6	167.04	2.117		
11,200.0	7,321.4	10,951.5	7,152.4	99.7	98.9	-61.45	-1,385.0	3,221.3	353.6	181.7	171.94	2.057		
11,300.0	7,321.4	11,051.5	7,152.4	102.4	101.6	-61.45	-1,384.7	3,321.3	353.6	176.8	176.85	2.000		
11,400.0	7,321.4	11,151.5	7,152.4	105.1	104.4	-61.45	-1,384.5	3,421.3	353.7	171.9	181.77	1.946		
11,500.0	7,321.4	11,251.5	7,152.4	107.9	107.1	-61.45	-1,384.3	3,521.3	353.7	167.0	186.68	1.894		
11,600.0	7,321.4	11,351.5	7,152.4	110.6	109.8	-61.46	-1,384.0	3,621.3	353.7	162.1	191.60	1.846		
11,700.0	7,321.4	11,451.5	7,152.4	113.3	112.6	-61.46	-1,383.8	3,721.3	353.7	157.1	196.53	1.800		
11,800.0	7,321.4	11,551.5	7,152.4	116.0	115.3	-61.46	-1,383.5	3,821.3	353.7	152.2	201.46	1.756		
11,900.0	7,321.4	11,651.5	7,152.4	118.8	118.1	-61.46	-1,383.3	3,921.3	353.7	147.3	206.38	1.714		
12,000.0	7,321.4	11,751.5	7,152.4	121.5	120.8	-61.46	-1,383.0	4,021.3	353.7	142.4	211.32	1.674		
12,100.0	7,321.4	11,851.5	7,152.4	124.2	123.6	-61.46	-1,382.8	4,121.3	353.7	137.5	216.25	1.636		
12,200.0	7,321.4	11,951.5	7,152.4	127.0	126.4	-61.46	-1,382.6	4,221.3	353.7	132.5	221.19	1.599		
12,300.0	7,321.4	12,051.5	7,152.4	129.7	129.1	-61.46	-1,382.3	4,321.3	353.7	127.6	226.13	1.564		
12,369.5	7,321.4	12,121.0	7,152.4	131.0	130.9	-61.46	-1,382.1	4,390.8	353.7	125.0	228.75	1.546 SF		

Company:	Great Western	Local Co-ordinate Reference:	Well Postle IC 11-259HC
Project:	SEC.11-T3N-R68W	TVD Reference:	WELL @ 4993.4ft (RKB - 16.5')
Reference Site:	Postle West Pad Sec.11-T3N-R68W	MD Reference:	WELL @ 4993.4ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Postle IC 11-259HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (12-10-13)	Offset TVD Reference:	Offset Datum

Offset Design Postle West Pad Sec.11-T3N-R68W - Postle LC 11-279HN - Wellbore #1 - Plan #1 (12-10-13)													Offset Site Error:	0.0ft
Survey Program: 0-MWD													Offset Well Error:	0.0ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Semi Major Axis Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	-92.12	-1.1	-29.6	29.6	29.6	0.22	131.744		
100.0	100.0	100.0	100.0	0.1	0.1	-92.12	-1.1	-29.6	29.6	29.4	0.67	43.915		
200.0	200.0	200.0	200.0	0.3	0.3	-92.12	-1.1	-29.6	29.6	28.9	1.12	26.349		
300.0	300.0	300.0	300.0	0.6	0.6	-92.12	-1.1	-29.6	29.6	28.5	1.57	18.821		
400.0	400.0	400.0	400.0	0.8	0.8	-92.12	-1.1	-29.6	29.6	28.0	2.02	14.638		
500.0	500.0	500.0	500.0	1.0	1.0	-92.12	-1.1	-29.6	29.6	27.6	2.47	11.977		
600.0	600.0	600.0	600.0	1.2	1.2	-92.12	-1.1	-29.6	29.6	27.1	2.92	10.134		
700.0	700.0	700.0	700.0	1.5	1.5	-92.12	-1.1	-29.6	29.6	26.7	3.37	8.783		
800.0	800.0	800.0	800.0	1.7	1.7	-92.12	-1.1	-29.6	29.6	26.2	3.82	7.750		
900.0	900.0	900.0	900.0	1.9	1.9	-92.12	-1.1	-29.6	29.6	25.8	4.27	6.934		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	-92.12	-1.1	-29.6	29.6	25.3	4.72	6.274		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	-92.12	-1.1	-29.6	29.6	24.9	5.17	5.728		
1,200.0	1,200.0	1,200.0	1,200.0	2.6	2.6	-92.12	-1.1	-29.6	29.6	24.4	5.62	5.270		
1,300.0	1,300.0	1,300.0	1,300.0	2.8	2.8	-92.12	-1.1	-29.6	29.6	24.0	6.07	4.879		
1,400.0	1,400.0	1,400.0	1,400.0	3.0	3.0	-92.12	-1.1	-29.6	29.6	23.5	6.52	4.543		
1,500.0	1,500.0	1,500.0	1,500.0	3.3	3.3	-92.12	-1.1	-29.6	29.6	23.1	6.97	4.250		
1,600.0	1,600.0	1,600.0	1,600.0	3.5	3.5	-92.12	-1.1	-29.6	29.6	22.6	7.42	3.992		
1,700.0	1,700.0	1,700.0	1,700.0	3.7	3.7	-92.12	-1.1	-29.6	29.6	22.2	7.87	3.764		
1,800.0	1,800.0	1,800.0	1,800.0	3.9	3.9	-92.12	-1.1	-29.6	29.6	21.7	8.32	3.561		
1,900.0	1,900.0	1,900.0	1,900.0	4.2	4.2	-92.12	-1.1	-29.6	29.6	21.3	8.77	3.378		
2,000.0	2,000.0	2,000.0	2,000.0	4.4	4.4	-92.12	-1.1	-29.6	29.6	20.8	9.22	3.213		
2,100.0	2,100.0	2,100.0	2,100.0	4.6	4.6	-92.12	-1.1	-29.6	29.6	20.4	9.66	3.064		
2,200.0	2,200.0	2,200.0	2,200.0	4.8	4.8	-92.12	-1.1	-29.6	29.6	19.9	10.11	2.928		
2,300.0	2,300.0	2,300.0	2,300.0	5.1	5.1	-92.12	-1.1	-29.6	29.6	19.5	10.56	2.803		
2,400.0	2,400.0	2,400.0	2,400.0	5.3	5.3	-92.12	-1.1	-29.6	29.6	19.0	11.01	2.689		
2,500.0	2,500.0	2,500.0	2,500.0	5.5	5.5	-92.12	-1.1	-29.6	29.6	18.6	11.46	2.583		
2,600.0	2,600.0	2,600.0	2,600.0	5.7	5.7	-92.12	-1.1	-29.6	29.6	18.1	11.91	2.486		
2,700.0	2,700.0	2,700.0	2,700.0	6.0	6.0	-92.12	-1.1	-29.6	29.6	17.7	12.36	2.395		
2,800.0	2,800.0	2,800.0	2,800.0	6.2	6.2	-92.12	-1.1	-29.6	29.6	17.2	12.81	2.311		
2,900.0	2,900.0	2,900.0	2,900.0	6.4	6.4	-92.12	-1.1	-29.6	29.6	16.8	13.26	2.233		
3,000.0	3,000.0	3,000.0	3,000.0	6.6	6.6	-92.12	-1.1	-29.6	29.6	16.4	13.71	2.160 CC, ES		
3,100.0	3,100.0	3,100.0	3,100.0	6.9	6.9	-92.12	-1.1	-29.6	29.6	15.9	14.13	2.147		
3,200.0	3,200.0	3,199.5	3,199.5	7.1	7.1	-96.88	-3.6	-30.1	30.3	16.2	14.52	2.315		
3,300.0	3,300.0	3,298.6	3,298.2	7.3	7.2	-109.48	-11.2	-31.7	33.6	19.1	14.92	2.802		
3,400.0	3,400.0	3,396.5	3,395.3	7.5	7.4	-124.62	-23.6	-34.2	41.8	26.9	15.32	3.689		
3,500.0	3,500.0	3,492.9	3,490.1	7.8	7.6	-137.14	-40.6	-37.6	56.2	40.9	15.72	4.881		
3,600.0	3,600.0	3,587.3	3,582.0	8.0	7.8	-145.79	-61.7	-41.9	76.7	61.0	16.12	6.379		
3,700.0	3,700.0	3,679.4	3,670.5	8.2	8.0	-151.49	-86.5	-47.0	102.8	86.7	16.51	8.110		
3,800.0	3,800.0	3,788.7	3,755.1	8.4	8.3	-155.30	-114.6	-52.7	133.9	117.4	16.87	9.913		
3,900.0	3,900.0	3,856.0	3,838.4	8.6	8.6	7.02	-145.8	-59.1	167.3	150.4	17.17	11.659		
4,000.0	3,999.6	3,942.1	3,915.1	8.8	8.9	5.21	-180.1	-66.1	200.1	183.0	17.43	13.334		
4,100.0	4,098.8	4,027.1	3,991.1	9.0	9.4	3.87	-217.3	-73.7	232.4	215.0	17.67	14.942		
4,200.0	4,197.1	4,111.9	4,065.2	9.2	9.8	2.82	-257.6	-81.9	264.0	246.3	17.91	16.329		
4,300.0	4,284.3	4,207.7	4,148.0	9.4	10.4	1.91	-304.8	-91.5	292.4	274.5	17.42	17.421		
4,400.0	4,390.2	4,304.8	4,232.1	9.6	11.1	1.19	-352.6	-101.2	315.8	297.7	18.34	18.221		
4,500.0	4,484.4	4,403.0	4,317.0	9.9	11.8	0.60	-400.9	-111.1	334.1	315.8	18.54	18.737		
4,600.0	4,578.8	4,502.1	4,402.7	10.2	12.6	0.07	-449.6	-121.0	347.3	326.8	18.72	18.977		
4,700.0	4,667.1	4,601.7	4,488.8	10.6	13.4	-0.43	-498.6	-131.0	355.3	336.6	18.90	18.948		
4,800.0	4,754.9	4,701.6	4,575.2	11.1	14.2	-0.91	-547.8	-141.0	358.1	339.2	19.40	18.435		
4,900.0	4,841.2	4,801.6	4,661.7	11.7	15.0	-1.40	-597.0	-151.1	357.6	338.2	19.98	17.877		
5,000.0	4,927.4	4,901.5	4,748.1	12.4	15.8	-1.90	-646.1	-161.1	357.1	337.1	20.57	17.335		
5,100.0	5,013.6	5,001.5	4,834.6	13.0	16.7	-2.39	-695.3	-171.1	356.6	336.0				

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

Company:	Great Western	Local Co-ordinate Reference:	Well Postle IC 11-259HC
Project:	SEC.11-T3N-R68W	TVD Reference:	WELL @ 4993.4ft (RKB - 16.5')
Reference Site:	Postle West Pad Sec.11-T3N-R68W	MD Reference:	WELL @ 4993.4ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Postle IC 11-259HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (12-10-13)	Offset TVD Reference:	Offset Datum

Offset Design Postle West Pad Sec.11-T3N-R68W - Postle LC 11-279HN - Wellbore #1 - Plan #1 (12-10-13)													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)	Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (ft)	Separation Factor	Warning	
				Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
5,200.0	5,099.8	5,101.4	4,921.0	13.7	17.6	-2.89	-744.5	-181.1	356.1	334.9	21.19	16.809		
5,300.0	5,186.0	5,201.4	5,007.4	14.5	18.5	-3.38	-793.6	-191.2	355.7	333.8	21.82	16.300		
5,400.0	5,272.2	5,301.3	5,093.9	15.3	19.3	-3.88	-842.8	-201.2	355.2	332.8	22.47	15.808		
5,500.0	5,358.4	5,401.3	5,180.3	16.0	20.2	-4.38	-892.0	-211.2	354.8	331.7	23.14	15.333		
5,600.0	5,444.6	5,501.2	5,266.8	16.9	21.1	-4.88	-941.2	-221.2	354.5	330.6	23.83	14.876		
5,700.0	5,530.8	5,601.2	5,353.2	17.7	22.1	-5.38	-990.3	-231.2	354.1	329.6	24.53	14.434		
5,800.0	5,617.1	5,701.1	5,439.6	18.5	23.0	-5.89	-1,039.5	-241.3	353.8	328.5	25.25	14.010		
5,900.0	5,703.3	5,801.1	5,526.1	19.4	23.9	-6.39	-1,088.7	-251.3	353.5	327.5	25.99	13.600		
6,000.0	5,789.5	5,901.1	5,612.5	20.3	24.8	-6.90	-1,137.8	-261.3	353.2	326.5	26.75	13.206		
6,100.0	5,875.7	6,001.0	5,699.0	21.2	25.8	-7.40	-1,187.0	-271.3	353.0	325.5	27.52	12.827		
6,200.0	5,961.9	6,101.0	5,785.4	22.1	26.7	-7.91	-1,236.2	-281.4	352.8	324.5	28.31	12.461		
6,300.0	6,048.1	6,200.9	5,871.9	23.0	27.6	-8.41	-1,285.3	-291.4	352.6	323.5	29.12	12.109		
6,400.0	6,134.3	6,300.9	5,958.3	23.9	28.6	-8.92	-1,334.5	-301.4	352.5	322.5	29.95	11.769		
6,500.0	6,220.5	6,400.8	6,044.7	24.8	29.5	-9.43	-1,383.7	-311.4	352.3	321.5	30.79	11.442		
6,600.0	6,306.7	6,500.8	6,131.2	25.7	30.5	-9.93	-1,432.9	-321.5	352.2	320.6	31.66	11.127		
6,700.0	6,392.9	6,600.7	6,217.6	26.6	31.4	-10.44	-1,482.0	-331.5	352.2	319.6	32.54	10.823		
6,800.0	6,479.1	6,700.7	6,304.1	27.5	32.3	-10.95	-1,531.2	-341.5	352.1	318.7	33.44	10.530		
6,900.0	6,565.4	6,800.6	6,390.5	28.5	33.3	-11.46	-1,580.4	-351.5	352.1	317.7	34.36	10.247		
6,908.0	6,572.3	6,808.6	6,397.4	28.5	33.4	-11.50	-1,584.3	-352.3	352.1	317.7	34.44	10.224		
7,000.0	6,651.6	6,900.6	6,476.9	29.4	34.2	-11.96	-1,629.5	-361.6	352.1	316.8	35.30	9.974		
7,100.0	6,737.8	7,000.5	6,563.4	30.3	35.2	-12.47	-1,678.7	-371.6	352.1	315.9	36.27	9.710		
7,200.0	6,824.0	7,100.5	6,649.8	31.3	36.2	-12.98	-1,727.9	-381.6	352.2	315.0	37.25	9.456		
7,300.0	6,910.3	7,200.4	6,736.2	32.2	37.1	-7.53	-1,777.1	-391.6	352.3	314.1	38.20	9.222		
7,400.0	6,997.0	7,300.2	6,822.8	32.9	37.9	15.13	-1,826.3	-388.8	352.4	313.6	38.81	9.080		
7,500.0	7,080.7	7,400.3	6,906.9	33.6	38.6	33.44	-1,874.0	-363.6	352.5	313.2	39.25	8.981		
7,600.0	7,157.1	7,500.8	6,984.1	34.1	39.1	45.59	-1,917.8	-317.1	352.6	313.0	39.59	8.904		
7,700.0	7,222.2	7,601.5	7,050.4	34.5	39.6	53.15	-1,955.4	-251.6	352.6	312.6	40.00	8.817		
7,800.0	7,272.8	7,702.5	7,102.2	34.8	40.0	57.73	-1,984.7	-170.2	352.7	312.1	40.64	8.678		
7,900.0	7,306.3	7,803.7	7,136.6	34.9	40.2	60.29	-2,004.0	-77.3	352.8	311.0	41.70	8.459		
8,000.0	7,320.8	7,905.1	7,151.7	35.0	40.3	61.33	-2,012.4	22.3	352.8	309.5	43.24	8.158		
8,100.0	7,321.4	8,005.4	7,152.4	35.0	40.4	61.38	-2,012.6	122.7	352.8	307.6	45.22	7.801		
8,200.0	7,321.4	8,105.4	7,152.4	35.2	40.6	61.38	-2,012.4	222.7	352.8	305.2	47.64	7.405		
8,300.0	7,321.4	8,205.4	7,152.4	35.5	40.8	61.38	-2,012.2	322.7	352.8	302.4	50.44	6.995		
8,400.0	7,321.4	8,305.4	7,152.4	36.0	41.3	61.38	-2,011.9	422.7	352.8	299.3	53.55	6.589		
8,500.0	7,321.4	8,405.4	7,152.4	36.7	41.8	61.38	-2,011.7	522.7	352.8	295.9	56.92	6.199		
8,600.0	7,321.4	8,505.4	7,152.4	37.7	42.6	61.38	-2,011.5	622.7	352.9	292.3	60.52	5.831		
8,700.0	7,321.4	8,605.4	7,152.4	38.9	43.5	61.38	-2,011.3	722.7	352.9	288.6	64.30	5.488		
8,800.0	7,321.4	8,705.4	7,152.4	40.4	44.7	61.39	-2,011.1	822.7	352.9	284.7	68.23	5.172		
8,900.0	7,321.4	8,805.4	7,152.4	42.2	46.0	61.39	-2,010.8	922.7	352.9	280.6	72.29	4.882		
9,000.0	7,321.4	8,905.4	7,152.4	44.1	47.6	61.39	-2,010.6	1,022.7	352.9	276.5	76.46	4.616		
9,100.0	7,321.4	9,005.4	7,152.4	46.1	49.3	61.39	-2,010.4	1,122.7	352.9	272.2	80.72	4.372		
9,200.0	7,321.4	9,105.4	7,152.4	48.3	51.2	61.39	-2,010.2	1,222.7	352.9	267.9	85.06	4.150		
9,300.0	7,321.4	9,205.4	7,152.4	50.6	53.3	61.39	-2,010.0	1,322.7	353.0	263.5	89.46	3.948		
9,400.0	7,321.4	9,305.4	7,152.4	52.9	55.4	61.39	-2,009.8	1,422.7	353.0	259.1	93.92	3.758		
9,500.0	7,321.4	9,405.4	7,152.4	55.3	57.6	61.39	-2,009.5	1,522.7	353.0	254.6	98.43	3.586		
9,600.0	7,321.4	9,505.4	7,152.4	57.8	59.9	61.40	-2,009.3	1,622.7	353.0	250.0	102.98	3.428		
9,700.0	7,321.4	9,605.4	7,152.4	60.2	62.2	61.40	-2,009.1	1,722.7	353.0	245.5	107.57	3.282		
9,800.0	7,321.4	9,705.4	7,152.4	62.8	64.6	61.40	-2,008.9	1,822.7	353.0	240.8	112.19	3.147		
9,900.0	7,321.4	9,805.4	7,152.4	65.3	67.1	61.40	-2,008.7	1,922.7	353.0	236.2	116.84	3.022		
10,000.0	7,321.4	9,905.4	7,152.4	67.9	69.5	61.40	-2,008.4	2,022.7	353.1	231.5	121.51	2.906		
10,100.0	7,321.4	10,005.4	7,152.4	70.4	72.0	61.40	-2,008.2	2,122.7	353.1	226.9	126.21	2.798		
10,200.0	7,321.4	10,105.4	7,152.4	73.0	74.6	61.40	-2,008.0	2,222.7	353.1	222.2	130.93	2.697		

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

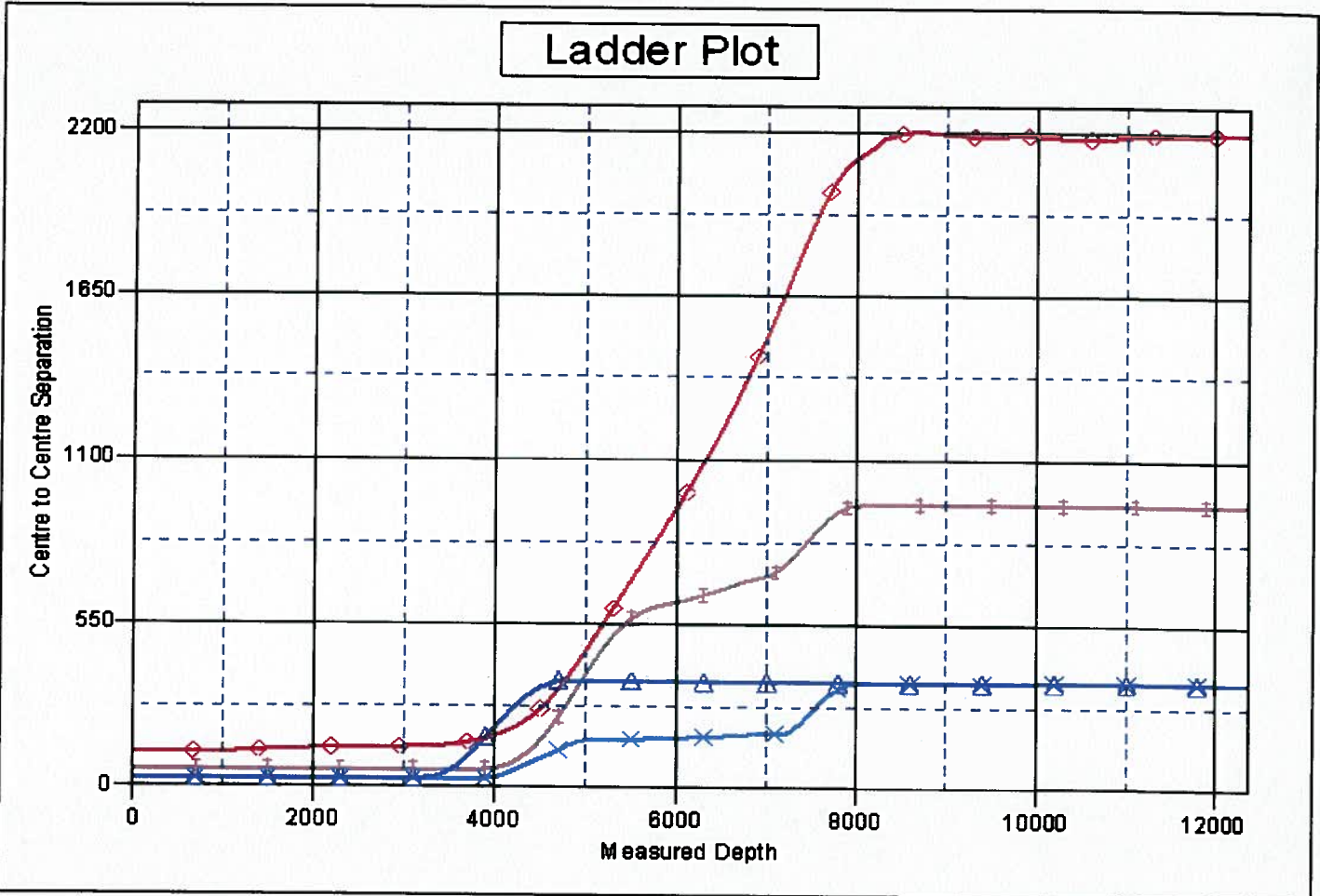
Company:	Great Western	Local Co-ordinate Reference:	Well Postle LC 11-259HC
Project:	SEC.11-T3N-R68W	TVD Reference:	WELL @ 4993.4ft (RKB - 16.5')
Reference Site:	Postle West Pad Sec.11-T3N-R68W	MD Reference:	WELL @ 4993.4ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Postle LC 11-259HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (12-10-13)	Offset TVD Reference:	Offset Datum

Offset Design Postle West Pad Sec.11-T3N-R68W - Postle LC 11-279HN - Wellbore #1 - Plan #1 (12-10-13)													Offset Site Error:	0.0ft
Survey Program: 0-MWD													Offset Well Error:	0.0ft
Reference	Offset	Semi Major Axis		Distance		Warning								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
10,300.0	7,321.4	10,205.4	7,152.4	75.7	77.1	61.41	-2,007.8	2,322.7	353.1	217.4	135.67	2.603		
10,400.0	7,321.4	10,305.4	7,152.4	78.3	79.7	61.41	-2,007.6	2,422.7	353.1	212.7	140.42	2.515		
10,500.0	7,321.4	10,405.4	7,152.4	80.9	82.3	61.41	-2,007.3	2,522.7	353.1	207.9	145.19	2.432		
10,600.0	7,321.4	10,505.4	7,152.4	83.6	84.9	61.41	-2,007.1	2,622.7	353.1	203.2	149.97	2.355		
10,700.0	7,321.4	10,605.4	7,152.4	86.3	87.5	61.41	-2,006.9	2,722.7	353.2	198.4	154.76	2.282		
10,800.0	7,321.4	10,705.4	7,152.4	88.9	90.1	61.41	-2,006.7	2,822.7	353.2	193.6	159.57	2.213		
10,900.0	7,321.4	10,805.4	7,152.4	91.6	92.8	61.41	-2,006.5	2,922.7	353.2	188.8	164.38	2.149		
11,000.0	7,321.4	10,905.4	7,152.4	94.3	95.4	61.41	-2,006.3	3,022.7	353.2	184.0	169.20	2.087		
11,100.0	7,321.4	11,005.4	7,152.4	97.0	98.1	61.42	-2,006.0	3,122.7	353.2	179.2	174.04	2.030		
11,200.0	7,321.4	11,105.4	7,152.4	99.7	100.8	61.42	-2,005.8	3,222.7	353.2	174.4	178.88	1.975		
11,300.0	7,321.4	11,205.4	7,152.4	102.4	103.5	61.42	-2,005.6	3,322.7	353.2	169.5	183.72	1.923		
11,400.0	7,321.4	11,305.4	7,152.4	105.1	106.1	61.42	-2,005.4	3,422.7	353.3	164.7	188.58	1.873		
11,500.0	7,321.4	11,405.4	7,152.4	107.9	108.8	61.42	-2,005.2	3,522.7	353.3	159.8	193.44	1.826		
11,600.0	7,321.4	11,505.4	7,152.4	110.6	111.5	61.42	-2,004.9	3,622.7	353.3	155.0	198.30	1.782		
11,700.0	7,321.4	11,605.4	7,152.4	113.3	114.2	61.42	-2,004.7	3,722.7	353.3	150.1	203.17	1.739		
11,800.0	7,321.4	11,705.4	7,152.4	116.0	116.9	61.42	-2,004.5	3,822.7	353.3	145.3	208.05	1.698		
11,900.0	7,321.4	11,805.4	7,152.4	118.8	119.7	61.43	-2,004.3	3,922.7	353.3	140.4	212.93	1.659		
12,000.0	7,321.4	11,905.4	7,152.4	121.5	122.4	61.43	-2,004.1	4,022.7	353.4	135.5	217.82	1.622		
12,100.0	7,321.4	12,005.4	7,152.4	124.2	125.1	61.43	-2,003.8	4,122.7	353.4	130.7	222.71	1.587		
12,200.0	7,321.4	12,105.4	7,152.4	127.0	127.8	61.43	-2,003.6	4,222.7	353.4	125.8	227.60	1.553		
12,300.0	7,321.4	12,205.4	7,152.4	129.7	130.5	61.43	-2,003.4	4,322.7	353.4	120.9	232.45	1.520		
12,339.2	7,321.4	12,244.6	7,152.4	130.5	131.2	61.43	-2,003.3	4,361.9	353.4	119.7	233.67	1.512		
12,369.5	7,321.4	12,273.0	7,152.4	131.0	131.8	61.43	-2,003.3	4,390.2	353.4	118.8	234.58	1.507 SF		

Company:	Great Western	Local Co-ordinate Reference:	Well Postle LC 11-259HC
Project:	SEC.11-T3N-R68W	TVD Reference:	WELL @ 4993.4ft (RKB - 16.5')
Reference Site:	Postle West Pad Sec.11-T3N-R68W	MD Reference:	WELL @ 4993.4ft (RKB - 16.5')
Site Error:	0.0ft	North Reference:	True
Reference Well:	Postle LC 11-259HC	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (12-10-13)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 4993.4ft (RKB - 16.5')
 Offset Depths are relative to Offset Datum
 Central Meridian is -105.500000 °

Coordinates are relative to: Postle LC 11-259HC
 Coordinate System is US State Plane 1983, Colorado Northern Zone
 Grid Convergence at Surface is: 0.34°



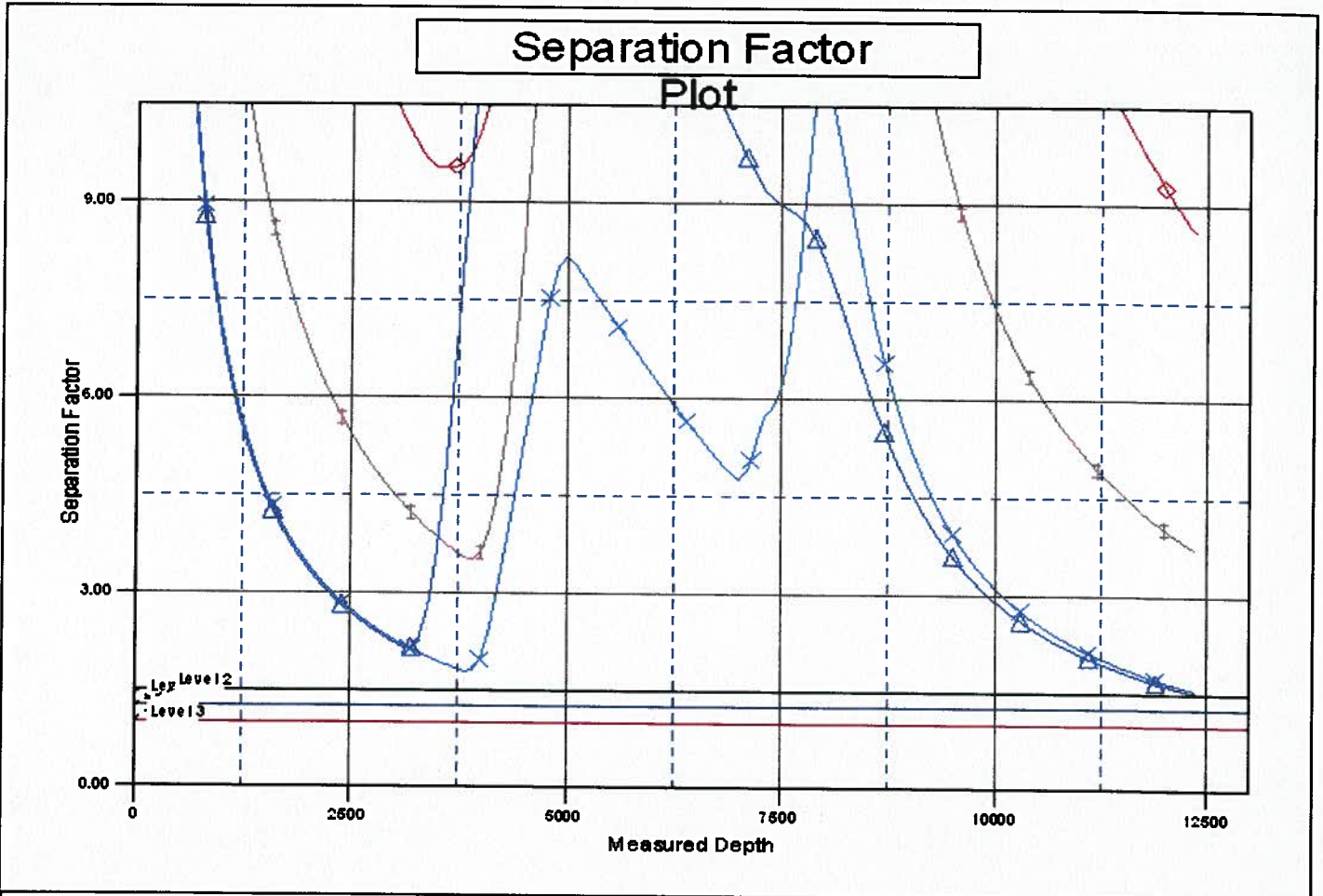
LEGEND

- 11 162HN, Wellbore #1, Plan #1 (12-10-13) ▽
- 11 239HN, Wellbore #1, Plan #1 (12-10-13) ▽
- Postle LC 11-279HN, Wellbore #1, Plan #1 (12-10-13) ▽
- Postle IC 11-4HN, Wellbore #1, Wellbore #1 ▽

Company: Great Western	Local Co-ordinate Reference: Well Postle IC 11-259HC
Project: SEC.11-T3N-R68W	TVD Reference: WELL @ 4993.4ft (RKB - 16.5')
Reference Site: Postle West Pad Sec.11-T3N-R68W	MD Reference: WELL @ 4993.4ft (RKB - 16.5')
Site Error: 0.0ft	North Reference: True
Reference Well: Postle IC 11-259HC	Survey Calculation Method: Minimum Curvature
Well Error: 0.0ft	Output errors are at: 2.00 sigma
Reference Wellbore: Wellbore #1	Database: Landmark
Reference Design: Plan #1 (12-10-13)	Offset TVD Reference: Offset Datum

Reference Depths are relative to WELL @ 4993.4ft (RKB - 16.5')
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000 °

Coordinates are relative to: Postle LC 11-259HC
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.34°



LEGEND

- 11 162 HN, Wellbore #1, Plan #1 (12-10-13) V0 — Postle LC 11-279 HN, Wellbore #1, Plan #1 (12-10-13) V0
- 11 239 HN, Wellbore #1, Plan #1 (12-10-13) V0 — Postle IC 11-4 HN, Wellbore #1, Wellbore #1 V0