

Bayswater Exploration & Production, LLC

Well Name: **G & D Hanks M-27-28HN**

Surface Location: G & D Hanks 27-N Pad Sec.27-T7N-R66W

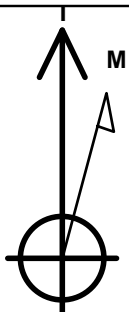
North American Datum 1983 , US State Plane 1983, Colorado Northern Zone

Ground Elevation: 4874.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1441242.41	3205703.66	40.542254	-104.759853	
		RKB - 25'	WELL @ 4899.0ft (RKB - 25')			

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 1288'FSL, 1574'FEL, SEC.27	1.0	0.0	0.0	Point
LPL 2470'FSL, 470'FEL, SEC.27	7289.0	1194.6	1096.1	Point
BHL 2470'FSL, 5'FWL, SEC.28	7334.0	1081.9	-9198.1	Point



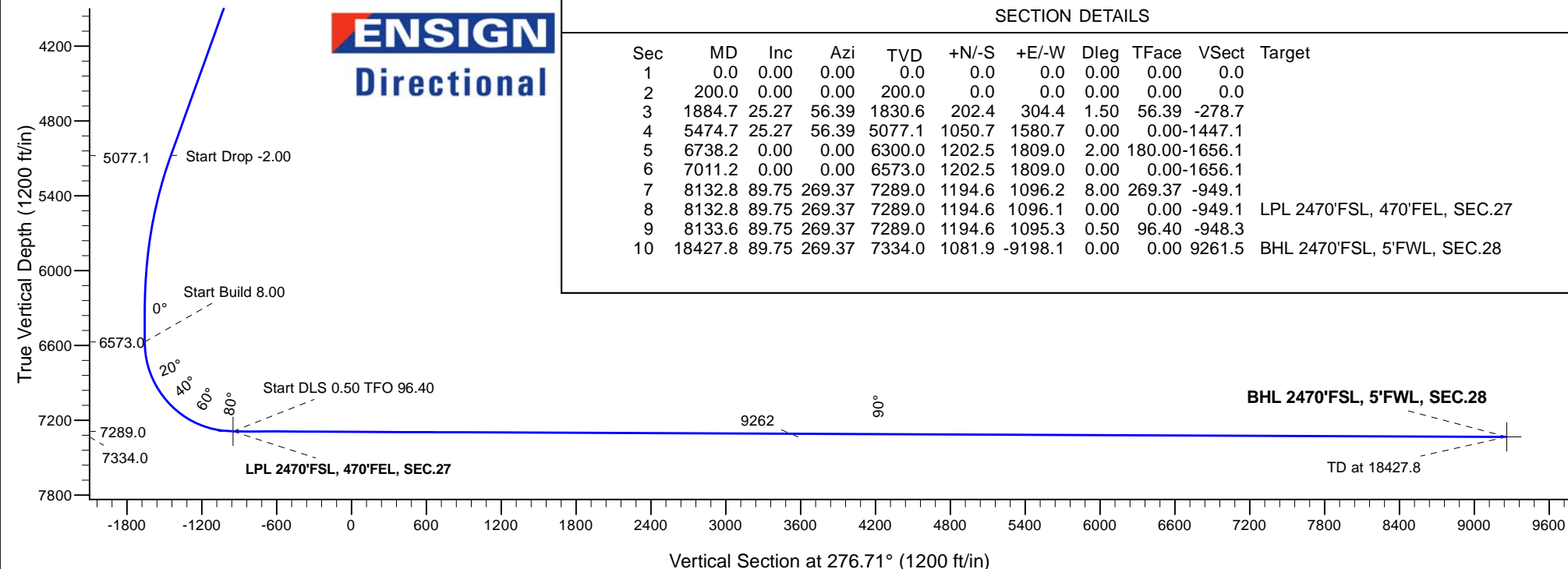
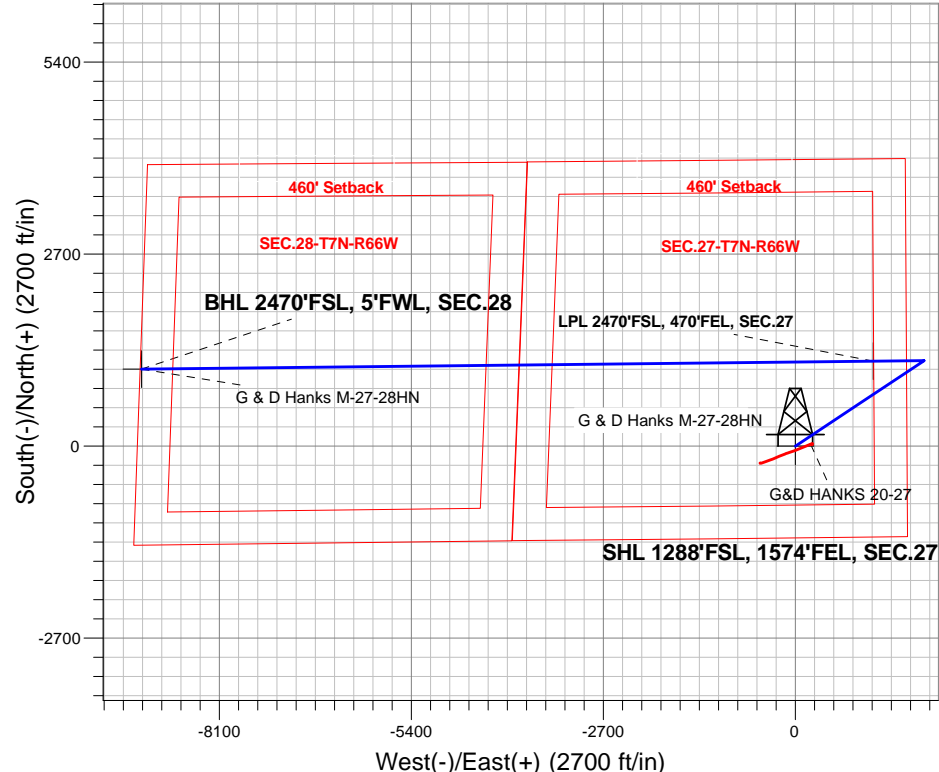
Azimuths to True North
Magnetic North: 8.04°

Magnetic Field
Strength: 52559.8snT
Dip Angle: 66.95°
Date: 8/2/2017
Model: IGRF2010

G & D Hanks 27-N Pad Sec.27-T7N-R66W
G & D Hanks M-27-28HN
Plan #1 (8-02-17)
14:24, August 03 2017

ANNOTATIONS

TVD	MD	Annotation
200.0	200.0	KOP - Start Build 1.50
5077.1	5474.7	Start Drop -2.00
6573.0	7011.2	Start Build 8.00
7289.0	8132.8	Start DLS 0.50 TFO 96.40
7289.0	8133.6	Start 10294.2 hold at 8133.6 MD
7334.0	18427.8	TD at 18427.8





Bayswater Exploration & Production, LLC

SEC.27-T7N-R66W

G & D Hanks 27-N Pad Sec.27-T7N-R66W

G & D Hanks M-27-28HN

Wellbore #1

Plan: Plan #1 (8-02-17)

Standard Planning Report

03 August, 2017



BAYSWATER
EXPLORATION & PRODUCTION, LLC

Database:	US_EDM	Local Co-ordinate Reference:	Well G & D Hanks M-27-28HN
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 4899.0ft (RKB - 25')
Project:	SEC.27-T7N-R66W	MD Reference:	WELL @ 4899.0ft (RKB - 25')
Site:	G & D Hanks 27-N Pad Sec.27-T7N-R66W	North Reference:	True
Well:	G & D Hanks M-27-28HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (8-02-17)		

Project	SEC.27-T7N-R66W		
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		G & D Hanks 27-N Pad Sec.27-T7N-R66W			
Site Position:		Northing:	1,441,242.43 usft	Latitude:	40.542254
From:	Lat/Long	Easting:	3,205,703.66 usft	Longitude:	-104.759853
Position Uncertainty:	0.0 ft	Slot Radius:	13-3/16 "	Grid Convergence:	0.48

Well	G & D Hanks M-27-28HN					
Well Position	+N/-S	0.0 ft	Northing:	1,441,242.41 usft	Latitude:	40.542254
	+E/-W	0.0 ft	Easting:	3,205,703.66 usft	Longitude:	-104.759853
Position Uncertainty		0.0 ft	Wellhead Elevation:	0.0 ft	Ground Level:	4,874.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	8/2/2017	8.04	66.95	52,560

Design	Plan #1 (8-02-17)			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	276.71

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,884.7	25.27	56.39	1,830.6	202.4	304.4	1.50	1.50	0.00	56.39	
5,474.7	25.27	56.39	5,077.1	1,050.7	1,580.7	0.00	0.00	0.00	0.00	
6,738.2	0.00	0.00	6,300.0	1,202.5	1,809.0	2.00	-2.00	0.00	180.00	
7,011.2	0.00	0.00	6,573.0	1,202.5	1,809.0	0.00	0.00	0.00	0.00	
8,132.8	89.75	269.37	7,289.0	1,194.6	1,096.2	8.00	8.00	0.00	269.37	
8,132.8	89.75	269.37	7,289.0	1,194.6	1,096.1	0.00	0.00	0.00	0.00	LPL 2470'FSL, 470'FE
8,133.6	89.75	269.37	7,289.0	1,194.6	1,095.3	0.50	-0.06	0.50	96.40	
18,427.8	89.75	269.37	7,334.0	1,081.9	-9,198.1	0.00	0.00	0.00	0.00	BHL 2470'FSL, 5'FWL

Database:	US_EDM	Local Co-ordinate Reference:	Well G & D Hanks M-27-28HN
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 4899.0ft (RKB - 25')
Project:	SEC.27-T7N-R66W	MD Reference:	WELL @ 4899.0ft (RKB - 25')
Site:	G & D Hanks 27-N Pad Sec.27-T7N-R66W	North Reference:	True
Well:	G & D Hanks M-27-28HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (8-02-17)		

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
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
KOP - Start Build 1.50									
300.0	1.50	56.39	300.0	0.7	1.1	-1.0	1.50	1.50	0.00
400.0	3.00	56.39	399.9	2.9	4.4	-4.0	1.50	1.50	0.00
500.0	4.50	56.39	499.7	6.5	9.8	-9.0	1.50	1.50	0.00
600.0	6.00	56.39	599.3	11.6	17.4	-16.0	1.50	1.50	0.00
700.0	7.50	56.39	698.6	18.1	27.2	-24.9	1.50	1.50	0.00
800.0	9.00	56.39	797.5	26.0	39.2	-35.9	1.50	1.50	0.00
900.0	10.50	56.39	896.1	35.4	53.3	-48.8	1.50	1.50	0.00
1,000.0	12.00	56.39	994.2	46.2	69.5	-63.6	1.50	1.50	0.00
1,100.0	13.50	56.39	1,091.7	58.4	87.9	-80.5	1.50	1.50	0.00
1,200.0	15.00	56.39	1,188.6	72.1	108.4	-99.2	1.50	1.50	0.00
1,300.0	16.50	56.39	1,284.9	87.1	131.0	-119.9	1.50	1.50	0.00
1,400.0	18.00	56.39	1,380.4	103.5	155.7	-142.5	1.50	1.50	0.00
1,500.0	19.50	56.39	1,475.0	121.3	182.5	-167.0	1.50	1.50	0.00
1,600.0	21.00	56.39	1,568.9	140.4	211.3	-193.4	1.50	1.50	0.00
1,700.0	22.50	56.39	1,661.7	161.0	242.1	-221.7	1.50	1.50	0.00
1,800.0	24.00	56.39	1,753.6	182.8	275.0	-251.8	1.50	1.50	0.00
1,884.7	25.27	56.39	1,830.6	202.4	304.4	-278.7	1.50	1.50	0.00
1,900.0	25.27	56.39	1,844.4	206.0	309.9	-283.7	0.00	0.00	0.00
2,000.0	25.27	56.39	1,934.9	229.6	345.4	-316.2	0.00	0.00	0.00
2,100.0	25.27	56.39	2,025.3	253.2	381.0	-348.8	0.00	0.00	0.00
2,200.0	25.27	56.39	2,115.7	276.9	416.5	-381.3	0.00	0.00	0.00
2,300.0	25.27	56.39	2,206.2	300.5	452.1	-413.9	0.00	0.00	0.00
2,400.0	25.27	56.39	2,296.6	324.1	487.6	-446.4	0.00	0.00	0.00
2,500.0	25.27	56.39	2,387.0	347.8	523.2	-479.0	0.00	0.00	0.00
2,600.0	25.27	56.39	2,477.5	371.4	558.7	-511.5	0.00	0.00	0.00
2,700.0	25.27	56.39	2,567.9	395.0	594.3	-544.0	0.00	0.00	0.00
2,800.0	25.27	56.39	2,658.3	418.7	629.8	-576.6	0.00	0.00	0.00
2,900.0	25.27	56.39	2,748.7	442.3	665.4	-609.1	0.00	0.00	0.00
3,000.0	25.27	56.39	2,839.2	465.9	700.9	-641.7	0.00	0.00	0.00
3,100.0	25.27	56.39	2,929.6	489.6	736.5	-674.2	0.00	0.00	0.00
3,200.0	25.27	56.39	3,020.0	513.2	772.0	-706.8	0.00	0.00	0.00
3,300.0	25.27	56.39	3,110.5	536.8	807.6	-739.3	0.00	0.00	0.00
3,400.0	25.27	56.39	3,200.9	560.4	843.1	-771.9	0.00	0.00	0.00
3,500.0	25.27	56.39	3,291.3	584.1	878.7	-804.4	0.00	0.00	0.00
3,600.0	25.27	56.39	3,381.8	607.7	914.2	-837.0	0.00	0.00	0.00
3,700.0	25.27	56.39	3,472.2	631.3	949.8	-869.5	0.00	0.00	0.00
3,800.0	25.27	56.39	3,562.6	655.0	985.3	-902.1	0.00	0.00	0.00
3,900.0	25.27	56.39	3,653.1	678.6	1,020.9	-934.6	0.00	0.00	0.00
4,000.0	25.27	56.39	3,743.5	702.2	1,056.4	-967.2	0.00	0.00	0.00
4,100.0	25.27	56.39	3,833.9	725.9	1,092.0	-999.7	0.00	0.00	0.00
4,200.0	25.27	56.39	3,924.3	749.5	1,127.5	-1,032.2	0.00	0.00	0.00
4,300.0	25.27	56.39	4,014.8	773.1	1,163.1	-1,064.8	0.00	0.00	0.00
4,400.0	25.27	56.39	4,105.2	796.8	1,198.6	-1,097.3	0.00	0.00	0.00
4,500.0	25.27	56.39	4,195.6	820.4	1,234.2	-1,129.9	0.00	0.00	0.00
4,600.0	25.27	56.39	4,286.1	844.0	1,269.7	-1,162.4	0.00	0.00	0.00
4,700.0	25.27	56.39	4,376.5	867.7	1,305.3	-1,195.0	0.00	0.00	0.00
4,800.0	25.27	56.39	4,466.9	891.3	1,340.8	-1,227.5	0.00	0.00	0.00
4,900.0	25.27	56.39	4,557.4	914.9	1,376.4	-1,260.1	0.00	0.00	0.00
5,000.0	25.27	56.39	4,647.8	938.6	1,411.9	-1,292.6	0.00	0.00	0.00
5,100.0	25.27	56.39	4,738.2	962.2	1,447.5	-1,325.2	0.00	0.00	0.00

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Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 4899.0ft (RKB - 25')
Project:	SEC.27-T7N-R66W	MD Reference:	WELL @ 4899.0ft (RKB - 25')
Site:	G & D Hanks 27-N Pad Sec.27-T7N-R66W	North Reference:	True
Well:	G & D Hanks M-27-28HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (8-02-17)		

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)	
5,200.0	25.27	56.39	4,828.6	985.8	1,483.0	-1,357.7	0.00	0.00	0.00	
5,300.0	25.27	56.39	4,919.1	1,009.5	1,518.6	-1,390.3	0.00	0.00	0.00	
5,400.0	25.27	56.39	5,009.5	1,033.1	1,554.1	-1,422.8	0.00	0.00	0.00	
5,474.7	25.27	56.39	5,077.1	1,050.7	1,580.7	-1,447.1	0.00	0.00	0.00	
Start Drop -2.00										
5,500.0	24.76	56.39	5,100.0	1,056.7	1,589.6	-1,455.3	2.00	-2.00	0.00	
5,600.0	22.76	56.39	5,191.5	1,079.0	1,623.2	-1,486.0	2.00	-2.00	0.00	
5,700.0	20.76	56.39	5,284.4	1,099.5	1,654.0	-1,514.3	2.00	-2.00	0.00	
5,800.0	18.76	56.39	5,378.5	1,118.2	1,682.2	-1,540.1	2.00	-2.00	0.00	
5,900.0	16.76	56.39	5,473.7	1,135.1	1,707.6	-1,563.3	2.00	-2.00	0.00	
6,000.0	14.76	56.39	5,569.9	1,150.1	1,730.2	-1,584.0	2.00	-2.00	0.00	
6,100.0	12.76	56.39	5,667.1	1,163.3	1,750.0	-1,602.2	2.00	-2.00	0.00	
6,200.0	10.76	56.39	5,765.0	1,174.6	1,767.0	-1,617.7	2.00	-2.00	0.00	
6,300.0	8.76	56.39	5,863.5	1,184.0	1,781.1	-1,630.6	2.00	-2.00	0.00	
6,400.0	6.76	56.39	5,962.6	1,191.5	1,792.4	-1,640.9	2.00	-2.00	0.00	
6,500.0	4.76	56.39	6,062.1	1,197.0	1,800.8	-1,648.6	2.00	-2.00	0.00	
6,600.0	2.76	56.39	6,161.8	1,200.7	1,806.2	-1,653.6	2.00	-2.00	0.00	
6,700.0	0.76	56.39	6,261.8	1,202.4	1,808.8	-1,655.9	2.00	-2.00	0.00	
6,738.2	0.00	0.00	6,300.0	1,202.5	1,809.0	-1,656.1	2.00	-2.00	0.00	
6,800.0	0.00	0.00	6,361.8	1,202.5	1,809.0	-1,656.1	0.00	0.00	0.00	
6,900.0	0.00	0.00	6,461.8	1,202.5	1,809.0	-1,656.1	0.00	0.00	0.00	
7,000.0	0.00	0.00	6,561.8	1,202.5	1,809.0	-1,656.1	0.00	0.00	0.00	
7,011.2	0.00	0.00	6,573.0	1,202.5	1,809.0	-1,656.1	0.00	0.00	0.00	
Start Build 8.00										
7,100.0	7.10	269.37	6,661.6	1,202.4	1,803.5	-1,650.7	8.00	8.00	0.00	
7,200.0	15.11	269.37	6,759.6	1,202.2	1,784.3	-1,631.6	8.00	8.00	0.00	
7,300.0	23.11	269.37	6,854.0	1,201.9	1,751.6	-1,599.2	8.00	8.00	0.00	
7,400.0	31.11	269.37	6,943.0	1,201.4	1,706.0	-1,554.0	8.00	8.00	0.00	
7,500.0	39.11	269.37	7,024.7	1,200.7	1,648.6	-1,497.0	8.00	8.00	0.00	
7,600.0	47.12	269.37	7,097.6	1,200.0	1,580.3	-1,429.3	8.00	8.00	0.00	
7,700.0	55.12	269.37	7,160.4	1,199.1	1,502.5	-1,352.1	8.00	8.00	0.00	
7,800.0	63.12	269.37	7,211.7	1,198.2	1,416.7	-1,267.1	8.00	8.00	0.00	
7,900.0	71.12	269.37	7,250.5	1,197.2	1,324.7	-1,175.8	8.00	8.00	0.00	
8,000.0	79.13	269.37	7,276.1	1,196.1	1,228.1	-1,080.0	8.00	8.00	0.00	
8,100.0	87.13	269.37	7,288.1	1,195.0	1,128.9	-981.6	8.00	8.00	0.00	
8,132.8	89.75	269.37	7,289.0	1,194.6	1,096.2	-949.1	7.99	7.99	0.00	
Start DLS 0.50 TFO 96.40										
8,132.8	89.75	269.37	7,289.0	1,194.6	1,096.1	-949.1	0.00	0.00	0.00	
8,133.6	89.75	269.37	7,289.0	1,194.6	1,095.4	-948.3	0.50	-0.06	0.50	
Start 10294.2 hold at 8133.6 MD										
8,200.0	89.75	269.37	7,289.3	1,193.9	1,029.0	-882.4	0.00	0.00	0.00	
8,300.0	89.75	269.37	7,289.7	1,192.8	929.0	-783.3	0.00	0.00	0.00	
8,400.0	89.75	269.37	7,290.2	1,191.7	829.0	-684.1	0.00	0.00	0.00	
8,500.0	89.75	269.37	7,290.6	1,190.6	729.0	-584.9	0.00	0.00	0.00	
8,600.0	89.75	269.37	7,291.0	1,189.5	629.0	-485.7	0.00	0.00	0.00	
8,700.0	89.75	269.37	7,291.5	1,188.4	529.0	-386.5	0.00	0.00	0.00	
8,800.0	89.75	269.37	7,291.9	1,187.3	429.0	-287.4	0.00	0.00	0.00	
8,900.0	89.75	269.37	7,292.4	1,186.2	329.0	-188.2	0.00	0.00	0.00	
9,000.0	89.75	269.37	7,292.8	1,185.2	229.0	-89.0	0.00	0.00	0.00	
9,100.0	89.75	269.37	7,293.2	1,184.1	129.0	10.2	0.00	0.00	0.00	
9,200.0	89.75	269.37	7,293.7	1,183.0	29.0	109.4	0.00	0.00	0.00	
9,300.0	89.75	269.37	7,294.1	1,181.9	-71.0	208.5	0.00	0.00	0.00	
9,400.0	89.75	269.37	7,294.5	1,180.8	-171.0	307.7	0.00	0.00	0.00	

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Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 4899.0ft (RKB - 25')
Project:	SEC.27-T7N-R66W	MD Reference:	WELL @ 4899.0ft (RKB - 25')
Site:	G & D Hanks 27-N Pad Sec.27-T7N-R66W	North Reference:	True
Well:	G & D Hanks M-27-28HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (8-02-17)		

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)	
9,500.0	89.75	269.37	7,295.0	1,179.7	-271.0	406.9	0.00	0.00	0.00	
9,600.0	89.75	269.37	7,295.4	1,178.6	-370.9	506.1	0.00	0.00	0.00	
9,700.0	89.75	269.37	7,295.9	1,177.5	-470.9	605.3	0.00	0.00	0.00	
9,800.0	89.75	269.37	7,296.3	1,176.4	-570.9	704.4	0.00	0.00	0.00	
9,900.0	89.75	269.37	7,296.7	1,175.3	-670.9	803.6	0.00	0.00	0.00	
10,000.0	89.75	269.37	7,297.2	1,174.2	-770.9	902.8	0.00	0.00	0.00	
10,100.0	89.75	269.37	7,297.6	1,173.1	-870.9	1,002.0	0.00	0.00	0.00	
10,200.0	89.75	269.37	7,298.0	1,172.0	-970.9	1,101.2	0.00	0.00	0.00	
10,300.0	89.75	269.37	7,298.5	1,170.9	-1,070.9	1,200.4	0.00	0.00	0.00	
10,400.0	89.75	269.37	7,298.9	1,169.8	-1,170.9	1,299.5	0.00	0.00	0.00	
10,500.0	89.75	269.37	7,299.3	1,168.7	-1,270.9	1,398.7	0.00	0.00	0.00	
10,600.0	89.75	269.37	7,299.8	1,167.6	-1,370.9	1,497.9	0.00	0.00	0.00	
10,700.0	89.75	269.37	7,300.2	1,166.5	-1,470.9	1,597.1	0.00	0.00	0.00	
10,800.0	89.75	269.37	7,300.7	1,165.4	-1,570.9	1,696.3	0.00	0.00	0.00	
10,900.0	89.75	269.37	7,301.1	1,164.4	-1,670.9	1,795.4	0.00	0.00	0.00	
11,000.0	89.75	269.37	7,301.5	1,163.3	-1,770.8	1,894.6	0.00	0.00	0.00	
11,100.0	89.75	269.37	7,302.0	1,162.2	-1,870.8	1,993.8	0.00	0.00	0.00	
11,200.0	89.75	269.37	7,302.4	1,161.1	-1,970.8	2,093.0	0.00	0.00	0.00	
11,300.0	89.75	269.37	7,302.8	1,160.0	-2,070.8	2,192.2	0.00	0.00	0.00	
11,400.0	89.75	269.37	7,303.3	1,158.9	-2,170.8	2,291.3	0.00	0.00	0.00	
11,500.0	89.75	269.37	7,303.7	1,157.8	-2,270.8	2,390.5	0.00	0.00	0.00	
11,600.0	89.75	269.37	7,304.2	1,156.7	-2,370.8	2,489.7	0.00	0.00	0.00	
11,700.0	89.75	269.37	7,304.6	1,155.6	-2,470.8	2,588.9	0.00	0.00	0.00	
11,800.0	89.75	269.37	7,305.0	1,154.5	-2,570.8	2,688.1	0.00	0.00	0.00	
11,900.0	89.75	269.37	7,305.5	1,153.4	-2,670.8	2,787.2	0.00	0.00	0.00	
12,000.0	89.75	269.37	7,305.9	1,152.3	-2,770.8	2,886.4	0.00	0.00	0.00	
12,100.0	89.75	269.37	7,306.3	1,151.2	-2,870.8	2,985.6	0.00	0.00	0.00	
12,200.0	89.75	269.37	7,306.8	1,150.1	-2,970.8	3,084.8	0.00	0.00	0.00	
12,300.0	89.75	269.37	7,307.2	1,149.0	-3,070.8	3,184.0	0.00	0.00	0.00	
12,400.0	89.75	269.37	7,307.7	1,147.9	-3,170.7	3,283.1	0.00	0.00	0.00	
12,500.0	89.75	269.37	7,308.1	1,146.8	-3,270.7	3,382.3	0.00	0.00	0.00	
12,600.0	89.75	269.37	7,308.5	1,145.7	-3,370.7	3,481.5	0.00	0.00	0.00	
12,700.0	89.75	269.37	7,309.0	1,144.6	-3,470.7	3,580.7	0.00	0.00	0.00	
12,800.0	89.75	269.37	7,309.4	1,143.6	-3,570.7	3,679.9	0.00	0.00	0.00	
12,900.0	89.75	269.37	7,309.8	1,142.5	-3,670.7	3,779.0	0.00	0.00	0.00	
13,000.0	89.75	269.37	7,310.3	1,141.4	-3,770.7	3,878.2	0.00	0.00	0.00	
13,100.0	89.75	269.37	7,310.7	1,140.3	-3,870.7	3,977.4	0.00	0.00	0.00	
13,200.0	89.75	269.37	7,311.1	1,139.2	-3,970.7	4,076.6	0.00	0.00	0.00	
13,300.0	89.75	269.37	7,311.6	1,138.1	-4,070.7	4,175.8	0.00	0.00	0.00	
13,400.0	89.75	269.37	7,312.0	1,137.0	-4,170.7	4,274.9	0.00	0.00	0.00	
13,500.0	89.75	269.37	7,312.5	1,135.9	-4,270.7	4,374.1	0.00	0.00	0.00	
13,600.0	89.75	269.37	7,312.9	1,134.8	-4,370.7	4,473.3	0.00	0.00	0.00	
13,700.0	89.75	269.37	7,313.3	1,133.7	-4,470.7	4,572.5	0.00	0.00	0.00	
13,800.0	89.75	269.37	7,313.8	1,132.6	-4,570.7	4,671.7	0.00	0.00	0.00	
13,900.0	89.75	269.37	7,314.2	1,131.5	-4,670.6	4,770.8	0.00	0.00	0.00	
14,000.0	89.75	269.37	7,314.6	1,130.4	-4,770.6	4,870.0	0.00	0.00	0.00	
14,100.0	89.75	269.37	7,315.1	1,129.3	-4,870.6	4,969.2	0.00	0.00	0.00	
14,200.0	89.75	269.37	7,315.5	1,128.2	-4,970.6	5,068.4	0.00	0.00	0.00	
14,300.0	89.75	269.37	7,316.0	1,127.1	-5,070.6	5,167.6	0.00	0.00	0.00	
14,400.0	89.75	269.37	7,316.4	1,126.0	-5,170.6	5,266.8	0.00	0.00	0.00	
14,500.0	89.75	269.37	7,316.8	1,124.9	-5,270.6	5,365.9	0.00	0.00	0.00	
14,600.0	89.75	269.37	7,317.3	1,123.8	-5,370.6	5,465.1	0.00	0.00	0.00	
14,700.0	89.75	269.37	7,317.7	1,122.8	-5,470.6	5,564.3	0.00	0.00	0.00	
14,800.0	89.75	269.37	7,318.1	1,121.7	-5,570.6	5,663.5	0.00	0.00	0.00	

Database:	US_EDM	Local Co-ordinate Reference:	Well G & D Hanks M-27-28HN
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 4899.0ft (RKB - 25')
Project:	SEC.27-T7N-R66W	MD Reference:	WELL @ 4899.0ft (RKB - 25')
Site:	G & D Hanks 27-N Pad Sec.27-T7N-R66W	North Reference:	True
Well:	G & D Hanks M-27-28HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (8-02-17)		

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)
14,900.0	89.75	269.37	7,318.6	1,120.6	-5,670.6	5,762.7	0.00	0.00	0.00
15,000.0	89.75	269.37	7,319.0	1,119.5	-5,770.6	5,861.8	0.00	0.00	0.00
15,100.0	89.75	269.37	7,319.5	1,118.4	-5,870.6	5,961.0	0.00	0.00	0.00
15,200.0	89.75	269.37	7,319.9	1,117.3	-5,970.6	6,060.2	0.00	0.00	0.00
15,300.0	89.75	269.37	7,320.3	1,116.2	-6,070.5	6,159.4	0.00	0.00	0.00
15,400.0	89.75	269.37	7,320.8	1,115.1	-6,170.5	6,258.6	0.00	0.00	0.00
15,500.0	89.75	269.37	7,321.2	1,114.0	-6,270.5	6,357.7	0.00	0.00	0.00
15,600.0	89.75	269.37	7,321.6	1,112.9	-6,370.5	6,456.9	0.00	0.00	0.00
15,700.0	89.75	269.37	7,322.1	1,111.8	-6,470.5	6,556.1	0.00	0.00	0.00
15,800.0	89.75	269.37	7,322.5	1,110.7	-6,570.5	6,655.3	0.00	0.00	0.00
15,900.0	89.75	269.37	7,323.0	1,109.6	-6,670.5	6,754.5	0.00	0.00	0.00
16,000.0	89.75	269.37	7,323.4	1,108.5	-6,770.5	6,853.6	0.00	0.00	0.00
16,100.0	89.75	269.37	7,323.8	1,107.4	-6,870.5	6,952.8	0.00	0.00	0.00
16,200.0	89.75	269.37	7,324.3	1,106.3	-6,970.5	7,052.0	0.00	0.00	0.00
16,300.0	89.75	269.37	7,324.7	1,105.2	-7,070.5	7,151.2	0.00	0.00	0.00
16,400.0	89.75	269.37	7,325.1	1,104.1	-7,170.5	7,250.4	0.00	0.00	0.00
16,500.0	89.75	269.37	7,325.6	1,103.0	-7,270.5	7,349.5	0.00	0.00	0.00
16,600.0	89.75	269.37	7,326.0	1,102.0	-7,370.5	7,448.7	0.00	0.00	0.00
16,700.0	89.75	269.37	7,326.4	1,100.9	-7,470.5	7,547.9	0.00	0.00	0.00
16,800.0	89.75	269.37	7,326.9	1,099.8	-7,570.4	7,647.1	0.00	0.00	0.00
16,900.0	89.75	269.37	7,327.3	1,098.7	-7,670.4	7,746.3	0.00	0.00	0.00
17,000.0	89.75	269.37	7,327.8	1,097.6	-7,770.4	7,845.4	0.00	0.00	0.00
17,100.0	89.75	269.37	7,328.2	1,096.5	-7,870.4	7,944.6	0.00	0.00	0.00
17,200.0	89.75	269.37	7,328.6	1,095.4	-7,970.4	8,043.8	0.00	0.00	0.00
17,300.0	89.75	269.37	7,329.1	1,094.3	-8,070.4	8,143.0	0.00	0.00	0.00
17,400.0	89.75	269.37	7,329.5	1,093.2	-8,170.4	8,242.2	0.00	0.00	0.00
17,500.0	89.75	269.37	7,329.9	1,092.1	-8,270.4	8,341.3	0.00	0.00	0.00
17,600.0	89.75	269.37	7,330.4	1,091.0	-8,370.4	8,440.5	0.00	0.00	0.00
17,700.0	89.75	269.37	7,330.8	1,089.9	-8,470.4	8,539.7	0.00	0.00	0.00
17,800.0	89.75	269.37	7,331.3	1,088.8	-8,570.4	8,638.9	0.00	0.00	0.00
17,900.0	89.75	269.37	7,331.7	1,087.7	-8,670.4	8,738.1	0.00	0.00	0.00
18,000.0	89.75	269.37	7,332.1	1,086.6	-8,770.4	8,837.3	0.00	0.00	0.00
18,100.0	89.75	269.37	7,332.6	1,085.5	-8,870.4	8,936.4	0.00	0.00	0.00
18,200.0	89.75	269.37	7,333.0	1,084.4	-8,970.3	9,035.6	0.00	0.00	0.00
18,300.0	89.75	269.37	7,333.4	1,083.3	-9,070.3	9,134.8	0.00	0.00	0.00
18,400.0	89.75	269.37	7,333.9	1,082.2	-9,170.3	9,234.0	0.00	0.00	0.00
18,427.8	89.75	269.37	7,334.0	1,081.9	-9,198.1	9,261.5	0.00	0.00	0.00
TD at 18427.8									

Database:	US_EDM	Local Co-ordinate Reference:	Well G & D Hanks M-27-28HN
Company:	Bayswater Exploration & Production, LLC	TVD Reference:	WELL @ 4899.0ft (RKB - 25')
Project:	SEC.27-T7N-R66W	MD Reference:	WELL @ 4899.0ft (RKB - 25')
Site:	G & D Hanks 27-N Pad Sec.27-T7N-R66W	North Reference:	True
Well:	G & D Hanks M-27-28HN	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (8-02-17)		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)		
- Shape									
SHL 1288'FSL, 1574'FEI - plan hits target center - Point	0.00	0.00	1.0	0.0	0.0	1,441,242.43	3,205,703.66	40.542254	-104.759853
LPL 2470'FSL, 470'FEL, - plan hits target center - Point	0.00	0.00	7,289.0	1,194.6	1,096.1	1,442,446.13	3,206,789.74	40.545533	-104.755909
BHL 2470'FSL, 5'FWL, 5 - plan hits target center - Point	0.00	0.00	7,334.0	1,081.9	-9,198.1	1,442,247.51	3,196,497.12	40.545219	-104.792949

Plan Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/-S (ft)	+E/-W (ft)	
200.0	200.0	0.0	0.0	KOP - Start Build 1.50
5,474.7	5,077.1	202.4	304.4	Start Drop -2.00
7,011.2	6,573.0	1,050.7	1,580.7	Start Build 8.00
8,132.8	7,289.0	1,202.5	1,809.0	Start DLS 0.50 TFO 96.40
8,133.6	7,289.0	1,202.5	1,809.0	Start 10294.2 hold at 8133.6 MD
18,427.8	7,334.0	1,194.6	1,096.1	TD at 18427.8



Bayswater Exploration & Production, LLC

SEC.27-T7N-R66W

G & D Hanks 27-N Pad Sec.27-T7N-R66W

G & D Hanks M-27-28HN

Wellbore #1

Plan #1 (8-02-17)

Anticollision Report

03 August, 2017



Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well G & D Hanks M-27-28HN
Project:	SEC.27-T7N-R66W	TVD Reference:	WELL @ 4899.0ft (RKB - 25')
Reference Site:	G & D Hanks 27-N Pad Sec.27-T7N-R66W	MD Reference:	WELL @ 4899.0ft (RKB - 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	G & D Hanks M-27-28HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #1 (8-02-17)	Offset TVD Reference:	Offset Datum

Reference	Plan #1 (8-02-17)		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 800.0 ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	8/3/2017		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	18,427.8	Plan #1 (8-02-17) (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						
G & D Hanks 27-N Pad Sec.27-T7N-R66W						
G & D Hanks N-27-28HC - Wellbore #1 - Plan #1 (8-02-1	200.0	200.0	14.9	14.3	22.146	CC
G & D Hanks N-27-28HC - Wellbore #1 - Plan #1 (8-02-1	18,427.8	18,472.3	169.7	-412.6	0.291	Level 1, ES, SF
G & D Hanks O-27-28HN - Wellbore #1 - Plan #1 (8-02-1	200.0	200.0	29.9	29.2	44.304	CC
G & D Hanks O-27-28HN - Wellbore #1 - Plan #1 (8-02-1	18,427.8	18,310.8	336.3	-249.2	0.574	Level 1, ES, SF
G & D Hanks P-27-28HN - Wellbore #1 - Plan #1 (8-02-1	200.0	200.0	45.2	44.5	66.998	CC
G & D Hanks P-27-28HN - Wellbore #1 - Plan #1 (8-02-1	18,427.8	18,363.2	630.0	32.4	1.054	Level 2, ES, SF
G & D Hanks Q-27-28HC - Wellbore #1 - Plan #1 (8-02-1	200.0	200.0	60.1	59.4	89.144	CC, ES
G & D Hanks Q-27-28HC - Wellbore #1 - Plan #1 (8-02-1	6,000.0	5,950.3	799.6	725.9	10.863	SF
G & D Hanks R-27-28HN - Wellbore #1 - Plan #1 (8-02-1	100.0	100.0	75.1	74.8	333.906	CC
G & D Hanks R-27-28HN - Wellbore #1 - Plan #1 (8-02-1	200.0	200.0	75.1	74.4	111.302	ES
G & D Hanks R-27-28HN - Wellbore #1 - Plan #1 (8-02-1	5,000.0	4,941.3	783.1	719.1	12.233	SF
G & D Hanks S-27-28HN - Wellbore #1 - Plan #1 (8-02-1	200.0	200.0	90.0	89.3	133.442	CC, ES
G & D Hanks S-27-28HN - Wellbore #1 - Plan #1 (8-02-1	3,900.0	3,829.8	784.5	741.2	18.107	SF
G & D Hanks T-27-28HC - Wellbore #1 - Plan #1 (8-02-1	200.0	200.0	104.9	104.2	155.594	CC, ES
G & D Hanks T-27-28HC - Wellbore #1 - Plan #1 (8-02-1	3,600.0	3,529.9	798.3	761.2	21.496	SF
G & D Hanks U-27-28HN - Wellbore #1 - Plan #1 (8-02-1	200.0	200.0	119.9	119.2	177.746	CC, ES
G & D Hanks U-27-28HN - Wellbore #1 - Plan #1 (8-02-1	3,200.0	3,096.7	773.6	739.6	22.727	SF
G & D Hanks V-27-28HN - Wellbore #1 - Plan #1 (8-02-1	200.0	200.0	135.2	134.5	200.439	CC, ES
G & D Hanks V-27-28HN - Wellbore #1 - Plan #1 (8-02-1	2,900.0	2,778.3	786.5	758.7	28.292	SF
G & D Hanks W-27-28HC - Wellbore #1 - Plan #1 (8-02-1	200.0	200.0	150.1	149.4	222.598	CC, ES
G & D Hanks W-27-28HC - Wellbore #1 - Plan #1 (8-02-1	2,800.0	2,670.1	794.5	770.0	32.429	SF
G & D Hanks X-27-28HN - Wellbore #1 - Plan #1 (8-02-1	200.0	200.0	165.0	164.4	244.750	CC, ES
G & D Hanks X-27-28HN - Wellbore #1 - Plan #1 (8-02-1	2,500.0	2,336.7	779.5	756.8	34.396	SF
G & D HANKS PAD Sec.27-T7N-R66W						
G&D HANKS 20-27 - Wellbore #1 - Wellbore #1	202.4	196.8	550.8	550.3	975.716	CC, ES
G&D HANKS 20-27 - Wellbore #1 - Wellbore #1	1,800.0	1,927.8	785.5	777.8	101.966	SF

G & D Hanks 27-N Pad Sec.27-T7N-R66W - G & D Hanks N-27-28HC - Wellbore #1 - Plan #1 (8-02-17)													Offset Site Error:	0.0 ft
Survey Program:		0-MWD										Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)			Minimum Separation (ft)	
0.0	0.0	0.0	0.0	0.0	0.0		180.00	-14.9	0.0	14.9			14.9	0.00

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well G & D Hanks M-27-28HN
Project:	SEC.27-T7N-R66W	TVD Reference:	WELL @ 4899.0ft (RKB - 25')
Reference Site:	G & D Hanks 27-N Pad Sec.27-T7N-R66W	MD Reference:	WELL @ 4899.0ft (RKB - 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	G & D Hanks M-27-28HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #1 (8-02-17)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
100.0	100.0	100.0	100.0	0.1	0.1	180.00	-14.9	0.0	14.9	14.7	0.22	66.439		
200.0	200.0	200.0	200.0	0.3	0.3	180.00	-14.9	0.0	14.9	14.3	0.67	22.146 CC		
300.0	300.0	300.0	300.0	0.6	0.6	127.59	-14.9	0.0	15.7	14.6	1.12	13.974		
400.0	399.9	399.9	399.9	0.8	0.8	137.31	-14.9	0.0	18.4	16.8	1.58	11.608		
500.0	499.7	500.2	500.2	1.0	1.0	146.22	-14.3	1.1	22.5	20.5	2.04	11.032		
600.0	599.3	600.6	600.5	1.3	1.2	151.94	-12.3	4.6	27.1	24.6	2.50	10.838		
700.0	698.6	701.1	700.8	1.6	1.5	155.71	-9.0	10.3	32.0	29.0	2.98	10.754		
800.0	797.5	801.8	801.1	1.9	1.7	158.24	-4.3	18.3	37.0	33.6	3.46	10.704		
900.0	896.1	902.6	901.2	2.2	2.0	159.94	1.6	28.6	42.1	38.2	3.95	10.657		
1,000.0	994.2	1,003.6	1,001.1	2.6	2.3	161.09	9.0	41.2	47.3	42.9	4.46	10.598		
1,100.0	1,091.7	1,104.6	1,100.7	3.1	2.6	161.83	17.6	56.0	52.5	47.5	4.99	10.522		
1,200.0	1,188.6	1,205.9	1,199.9	3.5	3.0	162.28	27.6	73.2	57.8	52.2	5.54	10.426		
1,300.0	1,284.9	1,307.2	1,298.7	4.1	3.4	162.51	38.9	92.7	63.1	56.9	6.12	10.308		
1,400.0	1,380.4	1,408.7	1,397.0	4.6	3.9	162.56	51.6	114.5	68.3	61.6	6.72	10.167		
1,500.0	1,475.0	1,510.3	1,494.8	5.3	4.4	162.48	65.5	138.6	73.6	66.3	7.35	10.012		
1,600.0	1,568.9	1,612.1	1,591.9	5.9	5.0	162.29	80.8	164.9	78.9	70.9	8.03	9.833		
1,700.0	1,661.7	1,714.0	1,688.2	6.7	5.6	162.01	97.4	193.5	84.3	75.5	8.74	9.638		
1,800.0	1,753.6	1,816.0	1,783.8	7.4	6.3	161.66	115.4	224.4	89.6	80.1	9.50	9.426		
1,884.7	1,830.6	1,902.5	1,864.1	8.1	6.9	161.32	131.6	252.3	94.1	83.9	10.18	9.238		
1,900.0	1,844.4	1,918.2	1,878.5	8.3	7.1	161.25	134.6	257.5	94.9	84.5	10.32	9.193		
2,000.0	1,934.9	2,020.3	1,972.1	9.1	7.9	160.48	155.1	292.7	98.6	87.3	11.24	8.768		
2,100.0	2,025.3	2,120.2	2,063.3	10.0	8.7	159.53	175.6	328.1	101.3	89.1	12.23	8.283		
2,200.0	2,115.7	2,220.2	2,154.5	10.8	9.5	158.64	196.2	363.5	104.0	90.8	13.25	7.852		
2,300.0	2,206.2	2,320.1	2,245.7	11.7	10.3	157.79	216.7	398.9	106.8	92.5	14.30	7.467		
2,400.0	2,296.6	2,420.1	2,336.9	12.6	11.1	156.98	237.3	434.3	109.6	94.2	15.38	7.123		
2,500.0	2,387.0	2,520.0	2,428.0	13.5	12.0	156.21	257.8	469.7	112.4	95.9	16.49	6.814		
2,600.0	2,477.5	2,620.0	2,519.2	14.3	12.8	155.48	278.4	505.1	115.2	97.6	17.62	6.536		
2,700.0	2,567.9	2,719.9	2,610.4	15.2	13.6	154.78	298.9	540.5	118.0	99.2	18.78	6.285		
2,800.0	2,658.3	2,819.9	2,701.6	16.1	14.5	154.12	319.5	575.9	120.9	100.9	19.95	6.057		
2,900.0	2,748.7	2,919.8	2,792.8	17.0	15.3	153.48	340.1	611.3	123.7	102.6	21.15	5.851		
3,000.0	2,839.2	3,019.8	2,884.0	17.8	16.2	152.88	360.6	646.7	126.6	104.3	22.36	5.663		
3,100.0	2,929.6	3,119.7	2,975.1	18.7	17.0	152.30	381.2	682.1	129.5	105.9	23.59	5.491		
3,200.0	3,020.0	3,219.7	3,066.3	19.6	17.8	151.75	401.7	717.5	132.4	107.6	24.83	5.334		
3,300.0	3,110.5	3,319.6	3,157.5	20.5	18.7	151.22	422.3	752.9	135.3	109.3	26.08	5.189		
3,400.0	3,200.9	3,419.6	3,248.7	21.4	19.5	150.72	442.8	788.3	138.3	110.9	27.35	5.056		
3,500.0	3,291.3	3,519.5	3,339.9	22.3	20.4	150.23	463.4	823.7	141.2	112.6	28.63	4.933		
3,600.0	3,381.8	3,619.5	3,431.1	23.1	21.2	149.77	483.9	859.1	144.2	114.3	29.92	4.819		
3,700.0	3,472.2	3,719.4	3,522.2	24.0	22.1	149.32	504.5	894.5	147.1	115.9	31.22	4.713		
3,800.0	3,562.6	3,819.4	3,613.4	24.9	22.9	148.89	525.1	929.9	150.1	117.6	32.53	4.615		
3,900.0	3,653.1	3,919.3	3,704.6	25.8	23.8	148.48	545.6	965.3	153.1	119.2	33.84	4.523		
4,000.0	3,743.5	4,019.3	3,795.8	26.7	24.6	148.09	566.2	1,000.7	156.1	120.9	35.17	4.438		
4,100.0	3,833.9	4,119.2	3,887.0	27.6	25.5	147.71	586.7	1,036.1	159.1	122.6	36.50	4.358		
4,200.0	3,924.3	4,219.2	3,978.2	28.5	26.3	147.34	607.3	1,071.5	162.1	124.2	37.84	4.283		
4,300.0	4,014.8	4,319.1	4,069.3	29.3	27.2	146.98	627.8	1,106.9	165.1	125.9	39.18	4.213		
4,400.0	4,105.2	4,419.1	4,160.5	30.2	28.0	146.64	648.4	1,142.3	168.1	127.5	40.53	4.147		
4,500.0	4,195.6	4,519.0	4,251.7	31.1	28.9	146.31	668.9	1,177.7	171.1	129.2	41.89	4.085		
4,600.0	4,286.1	4,619.0	4,342.9	32.0	29.7	146.00	689.5	1,213.1	174.1	130.9	43.25	4.026		
4,700.0	4,376.5	4,718.9	4,434.1	32.9	30.6	145.69	710.1	1,248.5	177.2	132.5	44.62	3.971		
4,800.0	4,466.9	4,818.9	4,525.3	33.8	31.4	145.39	730.6	1,283.9	180.2	134.2	45.99	3.918		
4,900.0	4,557.4	4,918.8	4,616.4	34.7	32.3	145.11	751.2	1,319.3	183.2	135.9	47.36	3.868		
5,000.0	4,647.8	5,018.8	4,707.6	35.5	33.2	144.83	771.7	1,354.7	186.3	137.5	48.74	3.821		
5,100.0	4,738.2	5,118.7	4,798.8	36.4	34.0	144.56	792.3	1,390.1	189.3	139.2	50.13	3.777		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well G & D Hanks M-27-28HN
Project:	SEC.27-T7N-R66W	TVD Reference:	WELL @ 4899.0ft (RKB - 25')
Reference Site:	G & D Hanks 27-N Pad Sec.27-T7N-R66W	MD Reference:	WELL @ 4899.0ft (RKB - 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	G & D Hanks M-27-28HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #1 (8-02-17)	Offset TVD Reference:	Offset Datum

Offset Design		G & D Hanks 27-N Pad Sec.27-T7N-R66W - G & D Hanks N-27-28HC - Wellbore #1 - Plan #1 (8-02-17)										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		
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
5,200.0	4,828.6	5,218.7	4,890.0	37.3	34.9	144.30	812.8	1,425.5	192.4	140.9	51.51	3.734		
5,300.0	4,919.1	5,318.6	4,981.2	38.2	35.7	144.05	833.4	1,460.9	195.4	142.5	52.90	3.694		
5,400.0	5,009.5	5,418.6	5,072.4	39.1	36.6	143.81	853.9	1,496.3	198.5	144.2	54.30	3.655		
5,474.7	5,077.1	5,493.2	5,140.5	39.8	37.2	143.63	869.3	1,522.7	200.8	145.4	55.34	3.628		
5,500.0	5,100.0	5,518.5	5,163.5	40.0	37.4	143.56	874.5	1,531.7	201.4	145.7	55.70	3.617		
5,600.0	5,191.5	5,618.5	5,254.7	40.6	38.3	142.90	895.1	1,567.1	202.4	145.1	57.31	3.532		
5,700.0	5,284.4	5,717.3	5,344.9	41.2	39.1	141.63	915.4	1,602.0	200.7	141.4	59.31	3.384		
5,800.0	5,378.5	5,812.3	5,432.4	41.8	39.7	140.19	933.8	1,633.9	198.1	136.8	61.26	3.233		
5,900.0	5,473.7	5,907.4	5,521.3	42.3	40.3	138.72	950.9	1,663.2	195.3	132.2	63.17	3.092		
6,000.0	5,569.9	6,002.7	5,611.4	42.8	40.8	137.20	966.5	1,690.1	192.5	127.4	65.03	2.960		
6,100.0	5,667.1	6,100.0	5,704.4	43.2	41.3	135.62	980.9	1,714.8	189.5	122.6	66.87	2.834		
6,200.0	5,765.0	6,193.8	5,794.9	43.5	41.7	134.05	993.2	1,736.1	186.4	117.8	68.60	2.717		
6,300.0	5,863.5	6,289.6	5,888.1	43.8	42.1	132.39	1,004.3	1,755.1	183.2	112.9	70.30	2.607		
6,400.0	5,962.6	6,385.6	5,982.3	44.1	42.4	130.68	1,013.8	1,771.5	180.0	108.0	71.94	2.502		
6,500.0	6,062.1	6,481.9	6,077.2	44.3	42.7	128.92	1,021.7	1,785.2	176.6	103.1	73.52	2.403		
6,600.0	6,161.8	6,578.3	6,172.8	44.4	42.9	127.08	1,028.1	1,796.1	173.2	98.2	75.03	2.309		
6,700.0	6,261.8	6,675.0	6,269.0	44.5	43.1	125.18	1,032.8	1,804.2	169.8	93.3	76.47	2.220		
6,738.2	6,300.0	6,711.9	6,305.9	44.6	43.2	-179.19	1,034.2	1,806.6	168.5	110.8	57.66	2.921		
6,800.0	6,361.8	6,771.9	6,365.7	44.6	43.2	179.80	1,035.9	1,809.6	166.7	109.7	56.94	2.927		
6,900.0	6,461.8	6,869.0	6,462.8	44.7	43.3	178.93	1,037.3	1,812.1	165.2	108.8	56.40	2.929		
6,953.9	6,515.7	6,921.9	6,515.7	44.7	43.4	178.85	1,037.5	1,812.3	165.1	108.6	56.45	2.924		
7,000.0	6,561.8	6,968.0	6,561.8	44.7	43.4	178.85	1,037.5	1,812.3	165.1	108.5	56.54	2.920		
7,011.2	6,573.0	6,979.2	6,573.0	44.7	43.4	178.85	1,037.5	1,812.3	165.1	108.5	56.56	2.918		
7,050.0	6,611.8	7,018.0	6,611.8	44.8	43.4	-90.88	1,037.5	1,812.3	165.1	86.1	78.94	2.091		
7,100.0	6,661.6	7,067.9	6,661.7	44.7	43.5	-92.36	1,037.5	1,812.2	165.2	85.4	79.83	2.070		
7,150.0	6,710.9	7,118.3	6,712.0	44.7	43.5	-94.17	1,037.4	1,809.5	165.5	84.7	80.76	2.049		
7,200.0	6,759.6	7,169.1	6,762.4	44.6	43.4	-95.95	1,037.4	1,803.1	166.0	84.5	81.51	2.036		
7,250.0	6,807.4	7,220.2	6,812.5	44.5	43.4	-97.69	1,037.3	1,793.2	166.6	84.5	82.07	2.030		
7,300.0	6,854.0	7,271.8	6,862.2	44.4	43.3	-99.40	1,037.1	1,779.6	167.3	84.9	82.43	2.030		
7,350.0	6,899.3	7,323.7	6,911.2	44.2	43.2	-101.04	1,036.9	1,762.3	168.2	85.6	82.58	2.037		
7,400.0	6,943.0	7,376.0	6,959.1	44.1	43.0	-102.62	1,036.7	1,741.3	169.2	86.7	82.52	2.050		
7,450.0	6,984.8	7,428.7	7,005.7	43.9	42.8	-104.13	1,036.4	1,716.7	170.2	88.0	82.27	2.069		
7,500.0	7,024.7	7,481.8	7,050.6	43.7	42.7	-105.55	1,036.1	1,688.5	171.4	89.5	81.83	2.094		
7,550.0	7,062.4	7,535.2	7,093.6	43.6	42.5	-106.88	1,035.8	1,656.8	172.5	91.3	81.23	2.124		
7,600.0	7,097.6	7,589.0	7,134.4	43.4	42.3	-108.12	1,035.4	1,621.8	173.7	93.2	80.49	2.158		
7,650.0	7,130.4	7,643.1	7,172.7	43.2	42.1	-109.26	1,035.0	1,583.6	174.9	95.2	79.64	2.196		
7,700.0	7,160.4	7,697.5	7,208.2	43.1	41.9	-110.29	1,034.5	1,542.4	176.0	97.3	78.71	2.236		
7,750.0	7,187.5	7,752.2	7,240.6	42.9	41.8	-111.21	1,034.0	1,498.3	177.1	99.3	77.74	2.278		
7,800.0	7,211.7	7,807.1	7,269.7	42.8	41.6	-112.02	1,033.5	1,451.7	178.1	101.3	76.76	2.320		
7,850.0	7,232.7	7,862.3	7,295.2	42.7	41.5	-112.71	1,033.0	1,402.8	178.9	103.1	75.82	2.360		
7,900.0	7,250.5	7,917.7	7,316.9	42.6	41.4	-113.29	1,032.4	1,351.9	179.7	104.8	74.93	2.398		
7,950.0	7,265.0	7,973.3	7,334.7	42.6	41.4	-113.76	1,031.8	1,299.3	180.3	106.2	74.15	2.432		
8,000.0	7,276.1	8,029.0	7,348.4	42.5	41.4	-114.10	1,031.2	1,245.3	180.8	107.3	73.48	2.461		
8,050.0	7,283.9	8,084.7	7,357.8	42.5	41.4	-114.33	1,030.6	1,190.3	181.1	108.2	72.95	2.483		
8,100.0	7,288.1	8,140.6	7,363.0	42.5	41.5	-114.43	1,030.0	1,134.7	181.3	108.7	72.59	2.497		
8,132.8	7,289.0	8,177.2	7,364.0	42.6	41.5	-114.44	1,029.6	1,098.2	181.3	108.8	72.44	2.502		
8,132.8	7,289.0	8,177.3	7,364.0	42.6	41.5	-114.44	1,029.6	1,098.1	181.3	108.8	72.44	2.502		
8,133.6	7,289.0	8,178.1	7,364.0	42.6	41.5	-114.44	1,029.6	1,097.2	181.3	108.8	72.45	2.502		
8,200.0	7,289.3	8,244.5	7,364.1	42.7	41.7	-114.37	1,028.9	1,030.8	181.2	107.9	73.26	2.473		
8,300.0	7,289.7	8,344.5	7,364.2	42.9	42.1	-114.27	1,027.8	930.8	181.0	106.3	74.73	2.423		
8,400.0	7,290.2	8,444.5	7,364.3	43.4	42.6	-114.18	1,026.7	830.8	180.9	104.4	76.53	2.364		
8,500.0	7,290.6	8,544.5	7,364.4	44.0	43.3	-114.08	1,025.6	730.9	180.8	102.1	78.62	2.299		

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Project:	SEC.27-T7N-R66W	TVD Reference:	WELL @ 4899.0ft (RKB - 25')
Reference Site:	G & D Hanks 27-N Pad Sec.27-T7N-R66W	MD Reference:	WELL @ 4899.0ft (RKB - 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	G & D Hanks M-27-28HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #1 (8-02-17)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.0	7,291.0	8,644.5	7,364.5	44.8	44.2	-113.98	1,024.5	630.9	180.6	99.6	81.00	2.230		
8,700.0	7,291.5	8,744.5	7,364.5	45.7	45.3	-113.88	1,023.4	530.9	180.5	96.9	83.63	2.158		
8,800.0	7,291.9	8,844.5	7,364.6	46.9	46.5	-113.78	1,022.3	430.9	180.4	93.9	86.50	2.085		
8,900.0	7,292.4	8,944.5	7,364.7	48.2	47.9	-113.68	1,021.2	330.9	180.2	90.6	89.58	2.012		
9,000.0	7,292.8	9,044.5	7,364.8	49.6	49.5	-113.59	1,020.1	230.9	180.1	87.2	92.86	1.939		
9,100.0	7,293.2	9,144.5	7,364.9	51.2	51.1	-113.49	1,019.0	130.9	179.9	83.6	96.31	1.868		
9,200.0	7,293.7	9,244.5	7,365.0	53.0	52.9	-113.39	1,017.9	30.9	179.8	79.9	99.92	1.799		
9,300.0	7,294.1	9,344.5	7,365.1	54.8	54.8	-113.29	1,016.8	-69.1	179.7	76.0	103.67	1.733		
9,400.0	7,294.5	9,444.5	7,365.2	56.8	56.8	-113.19	1,015.8	-169.1	179.5	72.0	107.55	1.669		
9,500.0	7,295.0	9,544.5	7,365.3	58.8	58.9	-113.09	1,014.7	-269.1	179.4	67.8	111.55	1.608		
9,600.0	7,295.4	9,644.5	7,365.4	60.9	61.0	-112.99	1,013.6	-369.1	179.3	63.6	115.66	1.550		
9,700.0	7,295.9	9,744.5	7,365.5	63.1	63.2	-112.89	1,012.5	-469.1	179.1	59.3	119.85	1.495 Level 3		
9,800.0	7,296.3	9,844.5	7,365.6	65.3	65.4	-112.79	1,011.4	-569.1	179.0	54.9	124.14	1.442 Level 3		
9,900.0	7,296.7	9,944.5	7,365.7	67.6	67.7	-112.69	1,010.3	-669.1	178.9	50.4	128.50	1.392 Level 3		
10,000.0	7,297.2	10,044.5	7,365.8	69.9	70.0	-112.59	1,009.2	-769.0	178.7	45.8	132.94	1.344 Level 3		
10,100.0	7,297.6	10,144.5	7,365.9	72.3	72.4	-112.49	1,008.1	-869.0	178.6	41.2	137.44	1.300 Level 3		
10,200.0	7,298.0	10,244.5	7,366.0	74.7	74.8	-112.39	1,007.0	-969.0	178.5	36.5	142.00	1.257 Level 3		
10,300.0	7,298.5	10,344.5	7,366.1	77.1	77.2	-112.28	1,005.9	-1,069.0	178.3	31.7	146.62	1.216 Level 2		
10,400.0	7,298.9	10,444.5	7,366.2	79.6	79.7	-112.18	1,004.8	-1,169.0	178.2	26.9	151.28	1.178 Level 2		
10,500.0	7,299.3	10,544.5	7,366.3	82.1	82.2	-112.08	1,003.7	-1,269.0	178.1	22.1	156.00	1.142 Level 2		
10,600.0	7,299.8	10,644.5	7,366.4	84.6	84.7	-111.98	1,002.6	-1,369.0	178.0	17.2	160.75	1.107 Level 2		
10,700.0	7,300.2	10,744.5	7,366.5	87.1	87.2	-111.88	1,001.5	-1,469.0	177.8	12.3	165.55	1.074 Level 2		
10,800.0	7,300.7	10,844.5	7,366.6	89.6	89.8	-111.78	1,000.4	-1,569.0	177.7	7.3	170.38	1.043 Level 2		
10,900.0	7,301.1	10,944.5	7,366.7	92.2	92.3	-111.68	999.3	-1,669.0	177.6	2.3	175.25	1.013 Level 2		
11,000.0	7,301.5	11,044.5	7,366.8	94.8	94.9	-111.57	998.2	-1,769.0	177.4	-2.7	180.16	0.985 Level 1		
11,100.0	7,302.0	11,144.5	7,366.9	97.3	97.5	-111.47	997.2	-1,869.0	177.3	-7.8	185.09	0.958 Level 1		
11,200.0	7,302.4	11,244.5	7,367.0	99.9	100.1	-111.37	996.1	-1,969.0	177.2	-12.8	190.05	0.932 Level 1		
11,300.0	7,302.8	11,344.5	7,367.1	102.6	102.7	-111.27	995.0	-2,069.0	177.1	-18.0	195.04	0.908 Level 1		
11,400.0	7,303.3	11,444.5	7,367.2	105.2	105.3	-111.17	993.9	-2,169.0	177.0	-23.1	200.05	0.885 Level 1		
11,500.0	7,303.7	11,544.5	7,367.3	107.8	107.9	-111.06	992.8	-2,268.9	176.8	-28.3	205.09	0.862 Level 1		
11,600.0	7,304.2	11,644.5	7,367.4	110.4	110.6	-110.96	991.7	-2,368.9	176.7	-33.4	210.15	0.841 Level 1		
11,700.0	7,304.6	11,744.5	7,367.5	113.1	113.2	-110.86	990.6	-2,468.9	176.6	-38.6	215.23	0.820 Level 1		
11,800.0	7,305.0	11,844.5	7,367.6	115.7	115.9	-110.75	989.5	-2,568.9	176.5	-43.9	220.33	0.801 Level 1		
11,900.0	7,305.5	11,944.5	7,367.7	118.4	118.5	-110.65	988.4	-2,668.9	176.3	-49.1	225.46	0.782 Level 1		
12,000.0	7,305.9	12,044.5	7,367.8	121.1	121.2	-110.55	987.3	-2,768.9	176.2	-54.4	230.60	0.764 Level 1		
12,100.0	7,306.3	12,144.5	7,367.9	123.8	123.9	-110.44	986.2	-2,868.9	176.1	-59.7	235.75	0.747 Level 1		
12,200.0	7,306.8	12,244.5	7,367.9	126.4	126.6	-110.34	985.1	-2,968.9	176.0	-64.9	240.93	0.730 Level 1		
12,300.0	7,307.2	12,344.5	7,368.0	129.1	129.3	-110.24	984.0	-3,068.9	175.9	-70.3	246.12	0.715 Level 1		
12,400.0	7,307.7	12,444.5	7,368.1	131.8	132.0	-110.13	982.9	-3,168.9	175.7	-75.6	251.33	0.699 Level 1		
12,500.0	7,308.1	12,544.5	7,368.2	134.5	134.6	-110.03	981.8	-3,268.9	175.6	-80.9	256.55	0.685 Level 1		
12,600.0	7,308.5	12,644.5	7,368.3	137.2	137.4	-109.92	980.7	-3,368.9	175.5	-86.3	261.79	0.670 Level 1		
12,700.0	7,309.0	12,744.5	7,368.4	139.9	140.1	-109.82	979.7	-3,468.9	175.4	-91.6	267.04	0.657 Level 1		
12,800.0	7,309.4	12,844.5	7,368.5	142.6	142.8	-109.72	978.6	-3,568.9	175.3	-97.0	272.31	0.644 Level 1		
12,900.0	7,309.8	12,944.5	7,368.6	145.4	145.5	-109.61	977.5	-3,668.9	175.2	-102.4	277.58	0.631 Level 1		
13,000.0	7,310.3	13,044.5	7,368.7	148.1	148.2	-109.51	976.4	-3,768.8	175.0	-107.8	282.87	0.619 Level 1		
13,100.0	7,310.7	13,144.5	7,368.8	150.8	150.9	-109.40	975.3	-3,868.8	174.9	-113.2	288.18	0.607 Level 1		
13,200.0	7,311.1	13,244.5	7,368.9	153.5	153.6	-109.30	974.2	-3,968.8	174.8	-118.7	293.49	0.596 Level 1		
13,300.0	7,311.6	13,344.5	7,369.0	156.2	156.4	-109.19	973.1	-4,068.8	174.7	-124.1	298.82	0.585 Level 1		
13,400.0	7,312.0	13,444.5	7,369.1	159.0	159.1	-109.09	972.0	-4,168.8	174.6	-129.6	304.15	0.574 Level 1		
13,500.0	7,312.5	13,544.5	7,369.2	161.7	161.8	-108.98	970.9	-4,268.8	174.5	-135.0	309.50	0.564 Level 1		
13,600.0	7,312.9	13,644.5	7,369.3	164.4	164.6	-108.87	969.8	-4,368.8	174.4	-140.5	314.86	0.554 Level 1		
13,700.0	7,313.3	13,744.5	7,369.4	167.2	167.3	-108.77	968.7	-4,468.8	174.3	-146.0	320.23	0.544 Level 1		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well G & D Hanks M-27-28HN
Project:	SEC.27-T7N-R66W	TVD Reference:	WELL @ 4899.0ft (RKB - 25')
Reference Site:	G & D Hanks 27-N Pad Sec.27-T7N-R66W	MD Reference:	WELL @ 4899.0ft (RKB - 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	G & D Hanks M-27-28HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #1 (8-02-17)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
13,800.0	7,313.8	13,844.5	7,369.5	169.9	170.0	-108.66	967.6	-4,568.8	174.2	-151.5	325.60	0.535 Level 1	
13,900.0	7,314.2	13,944.5	7,369.6	172.7	172.8	-108.56	966.5	-4,668.8	174.0	-156.9	330.99	0.526 Level 1	
14,000.0	7,314.6	14,044.5	7,369.7	175.4	175.5	-108.45	965.4	-4,768.8	173.9	-162.5	336.39	0.517 Level 1	
14,100.0	7,315.1	14,144.5	7,369.8	178.2	178.3	-108.34	964.3	-4,868.8	173.8	-168.0	341.80	0.509 Level 1	
14,200.0	7,315.5	14,244.5	7,369.9	180.9	181.0	-108.24	963.2	-4,968.8	173.7	-173.5	347.21	0.500 Level 1	
14,300.0	7,316.0	14,344.5	7,370.0	183.7	183.8	-108.13	962.1	-5,068.8	173.6	-179.0	352.64	0.492 Level 1	
14,400.0	7,316.4	14,444.5	7,370.1	186.4	186.5	-108.02	961.1	-5,168.8	173.5	-184.6	358.07	0.485 Level 1	
14,500.0	7,316.8	14,544.5	7,370.2	189.2	189.3	-107.92	960.0	-5,268.7	173.4	-190.1	363.51	0.477 Level 1	
14,600.0	7,317.3	14,644.5	7,370.3	191.9	192.0	-107.81	958.9	-5,368.7	173.3	-195.7	368.96	0.470 Level 1	
14,700.0	7,317.7	14,744.5	7,370.4	194.7	194.8	-107.70	957.8	-5,468.7	173.2	-201.2	374.42	0.463 Level 1	
14,800.0	7,318.1	14,844.5	7,370.5	197.4	197.6	-107.60	956.7	-5,568.7	173.1	-206.8	379.88	0.456 Level 1	
14,900.0	7,318.6	14,944.5	7,370.6	200.2	200.3	-107.49	955.6	-5,668.7	173.0	-212.4	385.35	0.449 Level 1	
15,000.0	7,319.0	15,044.5	7,370.7	203.0	203.1	-107.38	954.5	-5,768.7	172.9	-218.0	390.84	0.442 Level 1	
15,100.0	7,319.5	15,144.5	7,370.8	205.7	205.8	-107.27	953.4	-5,868.7	172.8	-223.5	396.32	0.436 Level 1	
15,200.0	7,319.9	15,244.5	7,370.9	208.5	208.6	-107.17	952.3	-5,968.7	172.7	-229.1	401.82	0.430 Level 1	
15,300.0	7,320.3	15,344.5	7,371.0	211.2	211.4	-107.06	951.2	-6,068.7	172.6	-234.7	407.32	0.424 Level 1	
15,400.0	7,320.8	15,444.5	7,371.1	214.0	214.1	-106.95	950.1	-6,168.7	172.5	-240.4	412.83	0.418 Level 1	
15,500.0	7,321.2	15,544.5	7,371.2	216.8	216.9	-106.84	949.0	-6,268.7	172.4	-246.0	418.34	0.412 Level 1	
15,600.0	7,321.6	15,644.5	7,371.2	219.5	219.7	-106.74	947.9	-6,368.7	172.3	-251.6	423.87	0.406 Level 1	
15,700.0	7,322.1	15,744.5	7,371.3	222.3	222.4	-106.63	946.8	-6,468.7	172.2	-257.2	429.40	0.401 Level 1	
15,800.0	7,322.5	15,844.5	7,371.4	225.1	225.2	-106.52	945.7	-6,568.7	172.1	-262.8	434.93	0.396 Level 1	
15,900.0	7,323.0	15,944.5	7,371.5	227.9	228.0	-106.41	944.6	-6,668.7	172.0	-268.5	440.47	0.390 Level 1	
16,000.0	7,323.4	16,044.5	7,371.6	230.6	230.7	-106.30	943.6	-6,768.6	171.9	-274.1	446.02	0.385 Level 1	
16,100.0	7,323.8	16,144.5	7,371.7	233.4	233.5	-106.19	942.5	-6,868.6	171.8	-279.8	451.58	0.380 Level 1	
16,200.0	7,324.3	16,244.5	7,371.8	236.2	236.3	-106.08	941.4	-6,968.6	171.7	-285.4	457.14	0.376 Level 1	
16,300.0	7,324.7	16,344.5	7,371.9	238.9	239.1	-105.97	940.3	-7,068.6	171.6	-291.1	462.70	0.371 Level 1	
16,400.0	7,325.1	16,444.5	7,372.0	241.7	241.8	-105.87	939.2	-7,168.6	171.5	-296.8	468.27	0.366 Level 1	
16,500.0	7,325.6	16,544.5	7,372.1	244.5	244.6	-105.76	938.1	-7,268.6	171.4	-302.4	473.85	0.362 Level 1	
16,600.0	7,326.0	16,644.5	7,372.2	247.3	247.4	-105.65	937.0	-7,368.6	171.3	-308.1	479.43	0.357 Level 1	
16,700.0	7,326.4	16,744.5	7,372.3	250.1	250.2	-105.54	935.9	-7,468.6	171.2	-313.8	485.02	0.353 Level 1	
16,800.0	7,326.9	16,844.5	7,372.4	252.8	253.0	-105.43	934.8	-7,568.6	171.1	-319.5	490.61	0.349 Level 1	
16,900.0	7,327.3	16,944.5	7,372.5	255.6	255.7	-105.32	933.7	-7,668.6	171.0	-325.2	496.21	0.345 Level 1	
17,000.0	7,327.8	17,044.5	7,372.6	258.4	258.5	-105.21	932.6	-7,768.6	171.0	-330.9	501.82	0.341 Level 1	
17,100.0	7,328.2	17,144.5	7,372.7	261.2	261.3	-105.10	931.5	-7,868.6	170.9	-336.6	507.43	0.337 Level 1	
17,200.0	7,328.6	17,244.5	7,372.8	264.0	264.1	-104.99	930.4	-7,968.6	170.8	-342.3	513.04	0.333 Level 1	
17,300.0	7,329.1	17,344.5	7,372.9	266.7	266.9	-104.88	929.3	-8,068.6	170.7	-348.0	518.66	0.329 Level 1	
17,400.0	7,329.5	17,444.5	7,373.0	269.5	269.6	-104.77	928.2	-8,168.6	170.6	-353.7	524.28	0.325 Level 1	
17,500.0	7,329.9	17,544.5	7,373.1	272.3	272.4	-104.66	927.1	-8,268.5	170.5	-359.4	529.91	0.322 Level 1	
17,600.0	7,330.4	17,644.5	7,373.2	275.1	275.2	-104.55	926.0	-8,368.5	170.4	-365.1	535.54	0.318 Level 1	
17,700.0	7,330.8	17,744.5	7,373.3	277.9	278.0	-104.44	925.0	-8,468.5	170.3	-370.8	541.18	0.315 Level 1	
17,800.0	7,331.3	17,844.5	7,373.4	280.6	280.8	-104.33	923.9	-8,568.5	170.3	-376.6	546.82	0.311 Level 1	
17,900.0	7,331.7	17,944.5	7,373.5	283.4	283.6	-104.21	922.8	-8,668.5	170.2	-382.3	552.47	0.308 Level 1	
18,000.0	7,332.1	18,044.5	7,373.6	286.2	286.3	-104.10	921.7	-8,768.5	170.1	-388.0	558.12	0.305 Level 1	
18,100.0	7,332.6	18,144.5	7,373.7	289.0	289.1	-103.99	920.6	-8,868.5	170.0	-393.8	563.77	0.302 Level 1	
18,200.0	7,333.0	18,244.5	7,373.8	291.8	291.9	-103.88	919.5	-8,968.5	169.9	-399.5	569.43	0.298 Level 1	
18,300.0	7,333.4	18,344.5	7,373.9	294.6	294.7	-103.77	918.4	-9,068.5	169.8	-405.2	575.09	0.295 Level 1	
18,400.0	7,333.9	18,444.5	7,374.0	297.4	297.5	-103.66	917.3	-9,168.5	169.8	-411.0	580.76	0.292 Level 1	
18,427.8	7,334.0	18,472.3	7,374.0	298.1	298.3	-103.63	917.0	-9,196.3	169.7	-412.6	582.33	0.291 Level 1, ES, SF	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well G & D Hanks M-27-28HN
Project:	SEC.27-T7N-R66W	TVD Reference:	WELL @ 4899.0ft (RKB - 25')
Reference Site:	G & D Hanks 27-N Pad Sec.27-T7N-R66W	MD Reference:	WELL @ 4899.0ft (RKB - 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	G & D Hanks M-27-28HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #1 (8-02-17)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	180.00	-29.9	0.0	29.9					
100.0	100.0	100.0	100.0	0.1	0.1	180.00	-29.9	0.0	29.9	29.6	0.22	132.913		
200.0	200.0	200.0	200.0	0.3	0.3	180.00	-29.9	0.0	29.9	29.2	0.67	44.304 CC		
300.0	300.0	300.0	300.0	0.6	0.6	125.64	-29.9	0.0	30.6	29.5	1.12	27.268		
400.0	399.9	399.9	399.9	0.8	0.8	131.15	-29.9	0.0	33.1	31.5	1.58	20.940		
500.0	499.7	499.7	499.7	1.0	1.0	138.61	-29.9	0.0	37.7	35.6	2.05	18.411		
600.0	599.3	599.3	599.3	1.3	1.2	146.27	-29.9	0.0	45.0	42.4	2.52	17.823		
700.0	698.6	699.7	699.7	1.6	1.5	152.29	-29.3	1.2	54.1	51.1	2.99	18.067		
800.0	797.5	800.5	800.4	1.9	1.7	156.27	-27.5	4.7	63.8	60.3	3.46	18.426		
900.0	896.1	901.5	901.2	2.2	1.9	158.95	-24.6	10.6	73.8	69.8	3.94	18.741		
1,000.0	994.2	1,002.8	1,002.1	2.6	2.1	160.77	-20.4	19.0	84.0	79.6	4.42	18.987		
1,100.0	1,091.7	1,104.4	1,103.0	3.1	2.4	162.00	-15.0	29.8	94.4	89.4	4.92	19.159		
1,200.0	1,188.6	1,206.3	1,203.7	3.5	2.7	162.80	-8.5	43.0	104.8	99.4	5.44	19.256		
1,300.0	1,284.9	1,308.4	1,304.4	4.1	3.0	163.29	-0.7	58.6	115.4	109.4	5.98	19.282		
1,400.0	1,380.4	1,410.8	1,404.7	4.6	3.4	163.54	8.4	76.7	126.0	119.5	6.55	19.241		
1,500.0	1,475.0	1,513.5	1,504.8	5.3	3.8	163.61	18.6	97.3	136.7	129.5	7.14	19.133		
1,600.0	1,568.9	1,616.4	1,604.5	5.9	4.3	163.53	30.1	120.3	147.4	139.6	7.77	18.970		
1,700.0	1,661.7	1,719.6	1,703.7	6.7	4.8	163.34	42.8	145.8	158.1	149.7	8.43	18.754		
1,800.0	1,753.6	1,823.1	1,802.3	7.4	5.4	163.05	56.7	173.8	168.9	159.7	9.14	18.482		
1,884.7	1,830.6	1,911.0	1,885.4	8.1	5.9	162.74	69.5	199.4	178.0	168.2	9.77	18.218		
1,900.0	1,844.4	1,926.9	1,900.3	8.3	6.0	162.69	71.9	204.2	179.6	169.7	9.90	18.151		
2,000.0	1,934.9	2,031.0	1,997.8	9.1	6.7	162.14	88.3	237.1	188.8	178.1	10.75	17.568		
2,100.0	2,025.3	2,135.5	2,094.5	10.0	7.5	161.29	106.0	272.5	195.5	183.9	11.68	16.743		
2,200.0	2,115.7	2,240.2	2,190.3	10.8	8.3	160.14	124.8	310.4	199.8	187.1	12.71	15.729		
2,300.0	2,206.2	2,341.8	2,282.3	11.7	9.1	158.79	144.0	348.9	202.3	188.5	13.82	14.644		
2,400.0	2,296.6	2,441.6	2,372.7	12.6	10.0	157.46	162.9	386.8	204.8	189.8	14.98	13.673		
2,500.0	2,387.0	2,541.5	2,463.1	13.5	10.8	156.18	181.9	424.8	207.3	191.1	16.19	12.805		
2,600.0	2,477.5	2,641.4	2,553.5	14.3	11.7	154.92	200.8	462.8	210.0	192.5	17.45	12.030		
2,700.0	2,567.9	2,741.2	2,643.9	15.2	12.5	153.69	219.7	500.8	212.7	194.0	18.76	11.336		
2,800.0	2,658.3	2,841.1	2,734.3	16.1	13.4	152.50	238.6	538.7	215.6	195.4	20.12	10.714		
2,900.0	2,748.7	2,940.9	2,824.7	17.0	14.3	151.34	257.6	576.7	218.5	197.0	21.52	10.156		
3,000.0	2,839.2	3,040.8	2,915.1	17.8	15.1	150.21	276.5	614.7	221.5	198.6	22.95	9.653		
3,100.0	2,929.6	3,140.7	3,005.5	18.7	16.0	149.11	295.4	652.7	224.6	200.2	24.42	9.199		
3,200.0	3,020.0	3,240.5	3,095.9	19.6	16.9	148.04	314.4	690.6	227.8	201.9	25.92	8.789		
3,300.0	3,110.5	3,340.4	3,186.3	20.5	17.8	147.00	333.3	728.6	231.1	203.6	27.45	8.417		
3,400.0	3,200.9	3,440.2	3,276.7	21.4	18.7	145.99	352.2	766.6	234.4	205.4	29.02	8.080		
3,500.0	3,291.3	3,540.1	3,367.1	22.3	19.5	145.01	371.1	804.6	237.8	207.2	30.60	7.772		
3,600.0	3,381.8	3,640.0	3,457.4	23.1	20.4	144.05	390.1	842.5	241.3	209.1	32.21	7.491		
3,700.0	3,472.2	3,739.8	3,547.8	24.0	21.3	143.13	409.0	880.5	244.9	211.0	33.85	7.234		
3,800.0	3,562.6	3,839.7	3,638.2	24.9	22.2	142.23	427.9	918.5	248.5	213.0	35.50	6.999		
3,900.0	3,653.1	3,939.5	3,728.6	25.8	23.1	141.36	446.9	956.5	252.1	215.0	37.17	6.783		
4,000.0	3,743.5	4,039.4	3,819.0	26.7	24.0	140.51	465.8	994.4	255.9	217.0	38.86	6.584		
4,100.0	3,833.9	4,139.3	3,909.4	27.6	24.9	139.68	484.7	1,032.4	259.6	219.1	40.57	6.400		
4,200.0	3,924.3	4,239.1	3,999.8	28.5	25.7	138.88	503.6	1,070.4	263.5	221.2	42.29	6.231		
4,300.0	4,014.8	4,339.0	4,090.2	29.3	26.6	138.10	522.6	1,108.4	267.3	223.3	44.02	6.074		
4,400.0	4,105.2	4,438.8	4,180.6	30.2	27.5	137.35	541.5	1,146.3	271.3	225.5	45.76	5.928		
4,500.0	4,195.6	4,538.7	4,271.0	31.1	28.4	136.62	560.4	1,184.3	275.2	227.7	47.52	5.793		
4,600.0	4,286.1	4,638.6	4,361.4	32.0	29.3	135.90	579.3	1,222.3	279.3	230.0	49.28	5.667		
4,700.0	4,376.5	4,738.4	4,451.8	32.9	30.2	135.21	598.3	1,260.3	283.3	232.3	51.05	5.549		
4,800.0	4,466.9	4,838.3	4,542.2	33.8	31.1	134.54	617.2	1,298.2	287.4	234.6	52.84	5.440		
4,900.0	4,557.4	4,938.1	4,632.6	34.7	32.0	133.89	636.1	1,336.2	291.5	236.9	54.62	5.337		
5,000.0	4,647.8	5,038.0	4,723.0	35.5	32.9	133.25	655.1	1,374.2	295.7	239.3	56.42	5.241		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well G & D Hanks M-27-28HN
Project:	SEC.27-T7N-R66W	TVD Reference:	WELL @ 4899.0ft (RKB - 25')
Reference Site:	G & D Hanks 27-N Pad Sec.27-T7N-R66W	MD Reference:	WELL @ 4899.0ft (RKB - 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	G & D Hanks M-27-28HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #1 (8-02-17)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.0	4,738.2	5,137.9	4,813.4	36.4	33.7	132.63	674.0	1,412.2	299.9	241.7	58.22	5.152		
5,200.0	4,828.6	5,237.7	4,903.8	37.3	34.6	132.03	692.9	1,450.2	304.2	244.1	60.03	5.067		
5,300.0	4,919.1	5,337.6	4,994.2	38.2	35.5	131.45	711.8	1,488.1	308.4	246.6	61.84	4.988		
5,400.0	5,009.5	5,437.4	5,084.6	39.1	36.4	130.88	730.8	1,526.1	312.8	249.1	63.66	4.913		
5,474.7	5,077.1	5,512.0	5,152.1	39.8	37.1	130.47	744.9	1,554.5	316.0	251.0	65.02	4.860		
5,500.0	5,100.0	5,537.3	5,175.0	40.0	37.3	130.33	749.7	1,564.1	317.0	251.5	65.47	4.842		
5,600.0	5,191.5	5,631.9	5,261.1	40.6	38.0	129.73	767.1	1,599.0	320.5	253.4	67.05	4.779		
5,700.0	5,284.4	5,726.0	5,348.1	41.2	38.6	129.14	783.2	1,631.2	323.5	255.0	68.48	4.724		
5,800.0	5,378.5	5,820.3	5,436.3	41.8	39.2	128.57	798.0	1,660.9	326.1	256.3	69.81	4.672		
5,900.0	5,473.7	5,914.5	5,525.6	42.3	39.7	128.02	811.4	1,688.0	328.4	257.3	71.05	4.622		
6,000.0	5,569.9	6,008.9	5,615.9	42.8	40.2	127.47	823.6	1,712.4	330.2	258.0	72.19	4.574		
6,100.0	5,667.1	6,103.3	5,707.2	43.2	40.6	126.94	834.5	1,734.2	331.6	258.4	73.22	4.529		
6,200.0	5,765.0	6,200.0	5,801.3	43.5	41.0	126.40	844.2	1,753.7	332.6	258.5	74.18	4.484		
6,300.0	5,863.5	6,292.4	5,892.0	43.8	41.3	125.89	852.2	1,769.7	333.2	258.2	75.00	4.443		
6,400.0	5,962.6	6,387.1	5,985.5	44.1	41.6	125.37	859.0	1,783.3	333.4	257.6	75.75	4.401		
6,500.0	6,062.1	6,481.9	6,079.4	44.3	41.8	124.85	864.4	1,794.2	333.1	256.7	76.40	4.361		
6,600.0	6,161.8	6,576.7	6,173.9	44.4	42.0	124.34	868.4	1,802.3	332.5	255.5	76.96	4.320		
6,700.0	6,261.8	6,671.7	6,268.6	44.5	42.1	123.83	871.1	1,807.6	331.4	253.9	77.42	4.280		
6,738.2	6,300.0	6,708.0	6,304.9	44.6	42.2	-179.98	871.7	1,808.9	330.8	275.9	54.89	6.026		
6,800.0	6,361.8	6,766.8	6,363.7	44.6	42.2	179.81	872.3	1,810.1	330.2	275.3	54.84	6.021		
6,853.9	6,415.7	6,818.8	6,415.7	44.6	42.3	179.77	872.4	1,810.3	330.1	275.2	54.92	6.010		
6,900.0	6,461.8	6,864.9	6,461.8	44.7	42.3	179.77	872.4	1,810.3	330.1	275.1	55.01	6.000		
6,929.8	6,491.6	6,894.7	6,491.6	44.7	42.3	179.77	872.4	1,810.3	330.1	275.0	55.07	5.994		
7,000.0	6,561.8	6,964.5	6,561.3	44.7	42.3	-179.66	872.4	1,807.0	330.1	274.5	55.66	5.931		
7,011.2	6,573.0	6,975.5	6,572.3	44.7	42.3	-179.46	872.4	1,805.9	330.1	274.3	55.84	5.912		
7,050.0	6,611.8	7,013.6	6,610.0	44.8	42.3	-88.09	872.3	1,800.7	330.3	253.1	77.17	4.280		
7,100.0	6,661.6	7,062.4	6,657.8	44.7	42.2	-87.15	872.2	1,791.1	330.5	254.0	76.50	4.320		
7,150.0	6,710.9	7,110.8	6,704.5	44.7	42.1	-86.23	872.1	1,778.4	330.8	255.0	75.77	4.366		
7,200.0	6,759.6	7,158.9	6,749.9	44.6	42.0	-85.33	871.9	1,762.6	331.2	256.2	75.00	4.416		
7,250.0	6,807.4	7,206.6	6,793.9	44.5	41.9	-84.46	871.7	1,744.0	331.6	257.4	74.21	4.469		
7,300.0	6,854.0	7,254.1	6,836.3	44.4	41.7	-83.62	871.5	1,722.7	332.1	258.7	73.41	4.525		
7,350.0	6,899.3	7,300.0	6,875.8	44.2	41.6	-82.83	871.2	1,699.4	332.7	260.1	72.64	4.580		
7,400.0	6,943.0	7,348.2	6,915.6	44.1	41.4	-82.04	870.9	1,672.3	333.3	261.4	71.87	4.638		
7,450.0	6,984.8	7,394.8	6,952.4	43.9	41.3	-81.31	870.6	1,643.5	333.9	262.8	71.17	4.692		
7,500.0	7,024.7	7,441.2	6,987.0	43.7	41.1	-80.62	870.2	1,612.6	334.6	264.0	70.54	4.743		
7,550.0	7,062.4	7,487.4	7,019.4	43.6	41.0	-79.98	869.9	1,579.7	335.2	265.2	69.99	4.789		
7,600.0	7,097.6	7,533.4	7,049.4	43.4	40.8	-79.38	869.5	1,544.9	335.8	266.3	69.54	4.829		
7,650.0	7,130.4	7,579.3	7,077.1	43.2	40.7	-78.84	869.1	1,508.4	336.5	267.3	69.21	4.862		
7,700.0	7,160.4	7,624.9	7,102.3	43.1	40.6	-78.34	868.7	1,470.3	337.0	268.0	69.00	4.885		
7,750.0	7,187.5	7,670.4	7,125.0	42.9	40.5	-77.90	868.2	1,430.9	337.6	268.7	68.93	4.898		
7,800.0	7,211.7	7,715.8	7,145.0	42.8	40.5	-77.51	867.8	1,390.2	338.1	269.1	68.99	4.900		
7,850.0	7,232.7	7,761.1	7,162.4	42.7	40.5	-77.18	867.3	1,348.4	338.5	269.3	69.20	4.892		
7,900.0	7,250.5	7,806.3	7,177.1	42.6	40.5	-76.90	866.9	1,305.7	338.9	269.3	69.55	4.872		
7,950.0	7,265.0	7,850.0	7,188.7	42.6	40.5	-76.69	866.4	1,263.5	339.2	269.2	70.04	4.843		
8,000.0	7,276.1	7,896.4	7,198.2	42.5	40.5	-76.52	865.9	1,218.1	339.4	268.8	70.67	4.803		
8,050.0	7,283.9	7,941.4	7,204.6	42.5	40.6	-76.42	865.4	1,173.6	339.6	268.2	71.42	4.755		
8,100.0	7,288.1	7,986.4	7,208.2	42.5	40.7	-76.37	864.9	1,128.7	339.6	267.4	72.27	4.700		
8,132.8	7,289.0	8,015.9	7,209.0	42.6	40.8	-76.38	864.6	1,099.3	339.6	266.8	72.87	4.661		
8,132.8	7,289.0	8,016.7	7,209.0	42.6	40.8	-76.38	864.6	1,098.4	339.6	266.8	72.88	4.660		
8,133.6	7,289.0	8,016.7	7,209.0	42.6	40.8	-76.38	864.6	1,098.4	339.6	266.8	72.88	4.660		
8,137.8	7,289.0	8,020.8	7,209.0	42.6	40.8	-76.38	864.5	1,094.3	339.6	266.7	72.92	4.657		
8,200.0	7,289.3	8,083.0	7,209.4	42.7	41.0	-76.39	863.8	1,032.1	339.6	266.0	73.61	4.613		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well G & D Hanks M-27-28HN
Project:	SEC.27-T7N-R66W	TVD Reference:	WELL @ 4899.0ft (RKB - 25')
Reference Site:	G & D Hanks 27-N Pad Sec.27-T7N-R66W	MD Reference:	WELL @ 4899.0ft (RKB - 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	G & D Hanks M-27-28HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #1 (8-02-17)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,300.0	7,289.7	8,183.0	7,210.0	42.9	41.5	-76.41	862.8	932.1	339.6	264.5	75.03	4.526		
8,400.0	7,290.2	8,283.0	7,210.5	43.4	42.2	-76.44	861.7	832.1	339.5	262.7	76.81	4.421		
8,500.0	7,290.6	8,383.0	7,211.1	44.0	43.0	-76.46	860.6	732.1	339.5	260.6	78.93	4.302		
8,600.0	7,291.0	8,483.0	7,211.7	44.8	44.1	-76.49	859.5	632.1	339.5	258.1	81.36	4.172		
8,700.0	7,291.5	8,583.0	7,212.3	45.7	45.3	-76.51	858.4	532.1	339.4	255.4	84.08	4.037		
8,800.0	7,291.9	8,683.0	7,212.9	46.9	46.6	-76.53	857.3	432.1	339.4	252.3	87.06	3.898		
8,900.0	7,292.4	8,783.0	7,213.5	48.2	48.1	-76.56	856.2	332.2	339.4	249.1	90.28	3.759		
9,000.0	7,292.8	8,883.0	7,214.0	49.6	49.7	-76.58	855.1	232.2	339.3	245.6	93.70	3.621		
9,100.0	7,293.2	8,983.0	7,214.6	51.2	51.4	-76.60	854.0	132.2	339.3	242.0	97.32	3.486		
9,200.0	7,293.7	9,083.0	7,215.2	53.0	53.3	-76.63	852.9	32.2	339.3	238.2	101.10	3.356		
9,300.0	7,294.1	9,183.0	7,215.8	54.8	55.2	-76.65	851.8	-67.8	339.2	234.2	105.04	3.230		
9,400.0	7,294.5	9,283.0	7,216.4	56.8	57.2	-76.68	850.7	-167.8	339.2	230.1	109.11	3.109		
9,500.0	7,295.0	9,383.0	7,217.0	58.8	59.3	-76.70	849.6	-267.8	339.2	225.9	113.30	2.994		
9,600.0	7,295.4	9,483.0	7,217.5	60.9	61.5	-76.72	848.5	-367.8	339.1	221.5	117.59	2.884		
9,700.0	7,295.9	9,583.0	7,218.1	63.1	63.7	-76.75	847.4	-467.8	339.1	217.1	121.99	2.780		
9,800.0	7,296.3	9,683.0	7,218.7	65.3	65.9	-76.77	846.4	-567.8	339.1	212.6	126.47	2.681		
9,900.0	7,296.7	9,783.0	7,219.3	67.6	68.2	-76.79	845.3	-667.8	339.0	208.0	131.02	2.587		
10,000.0	7,297.2	9,883.0	7,219.9	69.9	70.6	-76.82	844.2	-767.8	339.0	203.3	135.65	2.499		
10,100.0	7,297.6	9,983.0	7,220.4	72.3	72.9	-76.84	843.1	-867.8	338.9	198.6	140.34	2.415		
10,200.0	7,298.0	10,083.0	7,221.0	74.7	75.4	-76.87	842.0	-967.7	338.9	193.8	145.09	2.336		
10,300.0	7,298.5	10,183.0	7,221.6	77.1	77.8	-76.89	840.9	-1,067.7	338.9	189.0	149.89	2.261		
10,400.0	7,298.9	10,283.0	7,222.2	79.6	80.3	-76.91	839.8	-1,167.7	338.8	184.1	154.73	2.190		
10,500.0	7,299.3	10,383.0	7,222.8	82.1	82.7	-76.94	838.7	-1,267.7	338.8	179.2	159.62	2.123		
10,600.0	7,299.8	10,483.0	7,223.4	84.6	85.3	-76.96	837.6	-1,367.7	338.8	174.2	164.55	2.059		
10,700.0	7,300.2	10,583.0	7,223.9	87.1	87.8	-76.99	836.5	-1,467.7	338.7	169.2	169.51	1.998		
10,800.0	7,300.7	10,683.0	7,224.5	89.6	90.3	-77.01	835.4	-1,567.7	338.7	164.2	174.51	1.941		
10,900.0	7,301.1	10,783.0	7,225.1	92.2	92.9	-77.03	834.3	-1,667.7	338.7	159.1	179.53	1.886		
11,000.0	7,301.5	10,883.0	7,225.7	94.8	95.5	-77.06	833.2	-1,767.7	338.6	154.1	184.59	1.835		
11,100.0	7,302.0	10,983.0	7,226.3	97.3	98.1	-77.08	832.1	-1,867.7	338.6	148.9	189.67	1.785		
11,200.0	7,302.4	11,083.0	7,226.8	99.9	100.7	-77.10	831.0	-1,967.7	338.6	143.8	194.77	1.738		
11,300.0	7,302.8	11,183.0	7,227.4	102.6	103.3	-77.13	830.0	-2,067.7	338.5	138.6	199.90	1.694		
11,400.0	7,303.3	11,283.0	7,228.0	105.2	105.9	-77.15	828.9	-2,167.6	338.5	133.5	205.04	1.651		
11,500.0	7,303.7	11,383.0	7,228.6	107.8	108.5	-77.18	827.8	-2,267.6	338.5	128.3	210.21	1.610		
11,600.0	7,304.2	11,483.0	7,229.2	110.4	111.2	-77.20	826.7	-2,367.6	338.4	123.0	215.39	1.571		
11,700.0	7,304.6	11,583.0	7,229.8	113.1	113.8	-77.22	825.6	-2,467.6	338.4	117.8	220.59	1.534		
11,800.0	7,305.0	11,683.0	7,230.3	115.7	116.5	-77.25	824.5	-2,567.6	338.4	112.6	225.81	1.499	Level 3	
11,900.0	7,305.5	11,783.0	7,230.9	118.4	119.1	-77.27	823.4	-2,667.6	338.3	107.3	231.03	1.464	Level 3	
12,000.0	7,305.9	11,883.0	7,231.5	121.1	121.8	-77.30	822.3	-2,767.6	338.3	102.0	236.28	1.432	Level 3	
12,100.0	7,306.3	11,983.0	7,232.1	123.8	124.5	-77.32	821.2	-2,867.6	338.3	96.7	241.53	1.401	Level 3	
12,200.0	7,306.8	12,083.0	7,232.7	126.4	127.2	-77.34	820.1	-2,967.6	338.2	91.4	246.80	1.370	Level 3	
12,300.0	7,307.2	12,183.0	7,233.2	129.1	129.8	-77.37	819.0	-3,067.6	338.2	86.1	252.08	1.342	Level 3	
12,400.0	7,307.7	12,283.0	7,233.8	131.8	132.5	-77.39	817.9	-3,167.6	338.2	80.8	257.37	1.314	Level 3	
12,500.0	7,308.1	12,383.0	7,234.4	134.5	135.2	-77.41	816.8	-3,267.6	338.1	75.5	262.67	1.287	Level 3	
12,600.0	7,308.5	12,483.0	7,235.0	137.2	137.9	-77.44	815.7	-3,367.6	338.1	70.1	267.98	1.262	Level 3	
12,700.0	7,309.0	12,583.0	7,235.6	139.9	140.6	-77.46	814.7	-3,467.5	338.1	64.8	273.30	1.237	Level 2	
12,800.0	7,309.4	12,683.0	7,236.2	142.6	143.4	-77.49	813.6	-3,567.5	338.0	59.4	278.62	1.213	Level 2	
12,900.0	7,309.8	12,783.0	7,236.7	145.4	146.1	-77.51	812.5	-3,667.5	338.0	54.0	283.96	1.190	Level 2	
13,000.0	7,310.3	12,883.0	7,237.3	148.1	148.8	-77.53	811.4	-3,767.5	338.0	48.7	289.30	1.168	Level 2	
13,100.0	7,310.7	12,983.0	7,237.9	150.8	151.5	-77.56	810.3	-3,867.5	337.9	43.3	294.65	1.147	Level 2	
13,200.0	7,311.1	13,083.0	7,238.5	153.5	154.2	-77.58	809.2	-3,967.5	337.9	37.9	300.01	1.126	Level 2	
13,300.0	7,311.6	13,183.0	7,239.1	156.2	157.0	-77.61	808.1	-4,067.5	337.9	32.5	305.37	1.106	Level 2	
13,400.0	7,312.0	13,283.0	7,239.7	159.0	159.7	-77.63	807.0	-4,167.5	337.8	27.1	310.74	1.087	Level 2	

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well G & D Hanks M-27-28HN
Project:	SEC.27-T7N-R66W	TVD Reference:	WELL @ 4899.0ft (RKB - 25')
Reference Site:	G & D Hanks 27-N Pad Sec.27-T7N-R66W	MD Reference:	WELL @ 4899.0ft (RKB - 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	G & D Hanks M-27-28HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #1 (8-02-17)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,500.0	7,312.5	13,383.0	7,240.2	161.7	162.4	-77.65	805.9	-4,267.5	337.8	21.7	316.12	1.069	Level 2	
13,600.0	7,312.9	13,483.0	7,240.8	164.4	165.2	-77.68	804.8	-4,367.5	337.8	16.3	321.50	1.051	Level 2	
13,700.0	7,313.3	13,583.0	7,241.4	167.2	167.9	-77.70	803.7	-4,467.5	337.7	10.9	326.88	1.033	Level 2	
13,800.0	7,313.8	13,683.0	7,242.0	169.9	170.6	-77.73	802.6	-4,567.5	337.7	5.4	332.28	1.016	Level 2	
13,900.0	7,314.2	13,783.0	7,242.6	172.7	173.4	-77.75	801.5	-4,667.5	337.7	0.0	337.68	1.000	Level 2	
14,000.0	7,314.6	13,883.0	7,243.1	175.4	176.1	-77.77	800.4	-4,767.4	337.6	-5.4	343.08	0.984	Level 1	
14,100.0	7,315.1	13,983.0	7,243.7	178.2	178.9	-77.80	799.3	-4,867.4	337.6	-10.9	348.49	0.969	Level 1	
14,200.0	7,315.5	14,083.0	7,244.3	180.9	181.6	-77.82	798.3	-4,967.4	337.6	-16.3	353.90	0.954	Level 1	
14,300.0	7,316.0	14,183.0	7,244.9	183.7	184.4	-77.85	797.2	-5,067.4	337.6	-21.8	359.32	0.939	Level 1	
14,400.0	7,316.4	14,283.0	7,245.5	186.4	187.1	-77.87	796.1	-5,167.4	337.5	-27.2	364.74	0.925	Level 1	
14,500.0	7,316.8	14,383.0	7,246.1	189.2	189.9	-77.89	795.0	-5,267.4	337.5	-32.7	370.16	0.912	Level 1	
14,600.0	7,317.3	14,483.0	7,246.6	191.9	192.6	-77.92	793.9	-5,367.4	337.5	-38.1	375.59	0.898	Level 1	
14,700.0	7,317.7	14,583.0	7,247.2	194.7	195.4	-77.94	792.8	-5,467.4	337.4	-43.6	381.02	0.886	Level 1	
14,800.0	7,318.1	14,683.0	7,247.8	197.4	198.1	-77.97	791.7	-5,567.4	337.4	-49.1	386.46	0.873	Level 1	
14,900.0	7,318.6	14,783.0	7,248.4	200.2	200.9	-77.99	790.6	-5,667.4	337.4	-54.5	391.90	0.861	Level 1	
15,000.0	7,319.0	14,883.0	7,249.0	203.0	203.7	-78.01	789.5	-5,767.4	337.3	-60.0	397.34	0.849	Level 1	
15,100.0	7,319.5	14,983.0	7,249.5	205.7	206.4	-78.04	788.4	-5,867.4	337.3	-65.5	402.79	0.837	Level 1	
15,200.0	7,319.9	15,083.0	7,250.1	208.5	209.2	-78.06	787.3	-5,967.4	337.3	-71.0	408.24	0.826	Level 1	
15,300.0	7,320.3	15,183.0	7,250.7	211.2	211.9	-78.09	786.2	-6,067.3	337.2	-76.5	413.70	0.815	Level 1	
15,400.0	7,320.8	15,283.0	7,251.3	214.0	214.7	-78.11	785.1	-6,167.3	337.2	-81.9	419.15	0.804	Level 1	
15,500.0	7,321.2	15,383.0	7,251.9	216.8	217.5	-78.13	784.0	-6,267.3	337.2	-87.4	424.61	0.794	Level 1	
15,600.0	7,321.6	15,483.0	7,252.5	219.5	220.2	-78.16	782.9	-6,367.3	337.1	-92.9	430.07	0.784	Level 1	
15,700.0	7,322.1	15,583.0	7,253.0	222.3	223.0	-78.18	781.9	-6,467.3	337.1	-98.4	435.54	0.774	Level 1	
15,800.0	7,322.5	15,683.0	7,253.6	225.1	225.8	-78.21	780.8	-6,567.3	337.1	-103.9	441.01	0.764	Level 1	
15,900.0	7,323.0	15,783.0	7,254.2	227.9	228.6	-78.23	779.7	-6,667.3	337.0	-109.4	446.48	0.755	Level 1	
16,000.0	7,323.4	15,883.0	7,254.8	230.6	231.3	-78.25	778.6	-6,767.3	337.0	-114.9	451.95	0.746	Level 1	
16,100.0	7,323.8	15,983.0	7,255.4	233.4	234.1	-78.28	777.5	-6,867.3	337.0	-120.4	457.43	0.737	Level 1	
16,200.0	7,324.3	16,083.0	7,255.9	236.2	236.9	-78.30	776.4	-6,967.3	337.0	-126.0	462.90	0.728	Level 1	
16,300.0	7,324.7	16,183.0	7,256.5	238.9	239.7	-78.33	775.3	-7,067.3	336.9	-131.5	468.39	0.719	Level 1	
16,400.0	7,325.1	16,283.0	7,257.1	241.7	242.4	-78.35	774.2	-7,167.3	336.9	-137.0	473.87	0.711	Level 1	
16,500.0	7,325.6	16,383.0	7,257.7	244.5	245.2	-78.37	773.1	-7,267.3	336.9	-142.5	479.35	0.703	Level 1	
16,600.0	7,326.0	16,483.0	7,258.3	247.3	248.0	-78.40	772.0	-7,367.2	336.8	-148.0	484.84	0.695	Level 1	
16,700.0	7,326.4	16,583.0	7,258.9	250.1	250.8	-78.42	770.9	-7,467.2	336.8	-153.5	490.33	0.687	Level 1	
16,800.0	7,326.9	16,683.0	7,259.4	252.8	253.5	-78.45	769.8	-7,567.2	336.8	-159.1	495.82	0.679	Level 1	
16,900.0	7,327.3	16,783.0	7,260.0	255.6	256.3	-78.47	768.7	-7,667.2	336.7	-164.6	501.32	0.672	Level 1	
17,000.0	7,327.8	16,883.0	7,260.6	258.4	259.1	-78.50	767.6	-7,767.2	336.7	-170.1	506.81	0.664	Level 1	
17,100.0	7,328.2	16,983.0	7,261.2	261.2	261.9	-78.52	766.6	-7,867.2	336.7	-175.6	512.31	0.657	Level 1	
17,200.0	7,328.6	17,083.0	7,261.8	264.0	264.7	-78.54	765.5	-7,967.2	336.6	-181.2	517.81	0.650	Level 1	
17,300.0	7,329.1	17,183.0	7,262.3	266.7	267.4	-78.57	764.4	-8,067.2	336.6	-186.7	523.31	0.643	Level 1	
17,400.0	7,329.5	17,283.0	7,262.9	269.5	270.2	-78.59	763.3	-8,167.2	336.6	-192.2	528.82	0.636	Level 1	
17,500.0	7,329.9	17,383.0	7,263.5	272.3	273.0	-78.62	762.2	-8,267.2	336.6	-197.8	534.32	0.630	Level 1	
17,600.0	7,330.4	17,483.0	7,264.1	275.1	275.8	-78.64	761.1	-8,367.2	336.5	-203.3	539.83	0.623	Level 1	
17,700.0	7,330.8	17,583.0	7,264.7	277.9	278.6	-78.66	760.0	-8,467.2	336.5	-208.8	545.34	0.617	Level 1	
17,800.0	7,331.3	17,683.0	7,265.3	280.6	281.4	-78.69	758.9	-8,567.2	336.5	-214.4	550.85	0.611	Level 1	
17,900.0	7,331.7	17,783.0	7,265.8	283.4	284.1	-78.71	757.8	-8,667.1	336.4	-219.9	556.37	0.605	Level 1	
18,000.0	7,332.1	17,883.0	7,266.4	286.2	286.9	-78.74	756.7	-8,767.1	336.4	-225.5	561.88	0.599	Level 1	
18,100.0	7,332.6	17,983.0	7,267.0	289.0	289.7	-78.76	755.6	-8,867.1	336.4	-231.0	567.40	0.593	Level 1	
18,200.0	7,333.0	18,083.0	7,267.6	291.8	292.5	-78.78	754.5	-8,967.1	336.3	-236.6	572.92	0.587	Level 1	
18,300.0	7,333.4	18,183.0	7,268.2	294.6	295.3	-78.81	753.4	-9,067.1	336.3	-242.1	578.44	0.581	Level 1	
18,400.0	7,333.9	18,283.0	7,268.8	297.4	298.1	-78.83	752.3	-9,167.1	336.3	-247.7	583.96	0.576	Level 1	
18,427.8	7,334.0	18,310.8	7,268.9	298.1	298.8	-78.84	752.0	-9,194.9	336.3	-249.2	585.49	0.574	Level 1, ES, SF	

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well G & D Hanks M-27-28HN
Project:	SEC.27-T7N-R66W	TVD Reference:	WELL @ 4899.0ft (RKB - 25')
Reference Site:	G & D Hanks 27-N Pad Sec.27-T7N-R66W	MD Reference:	WELL @ 4899.0ft (RKB - 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	G & D Hanks M-27-28HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #1 (8-02-17)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-179.65	-45.2	-0.3	45.2					
100.0	100.0	100.0	100.0	0.1	0.1	-179.65	-45.2	-0.3	45.2	45.0	0.22	200.994		
200.0	200.0	200.0	200.0	0.3	0.3	-179.65	-45.2	-0.3	45.2	44.5	0.67	66.998 CC		
300.0	300.0	300.0	300.0	0.6	0.6	125.31	-45.2	-0.3	45.9	44.8	1.12	40.898		
400.0	399.9	399.9	399.9	0.8	0.8	129.08	-45.2	-0.3	48.3	46.7	1.58	30.606		
500.0	499.7	499.7	499.7	1.0	1.0	134.56	-45.2	-0.3	52.7	50.6	2.05	25.749		
600.0	599.3	599.3	599.3	1.3	1.2	140.78	-45.2	-0.3	59.5	56.9	2.52	23.568		
700.0	698.6	698.6	698.6	1.6	1.5	146.88	-45.2	-0.3	69.0	66.0	3.00	22.956		
800.0	797.5	797.5	797.5	1.9	1.7	152.30	-45.2	-0.3	81.4	77.9	3.49	23.341		
900.0	896.1	898.0	898.0	2.2	1.9	156.49	-44.8	0.9	95.8	91.8	3.96	24.179		
1,000.0	994.2	999.0	998.9	2.6	2.1	159.25	-43.5	4.6	110.8	106.4	4.43	25.018		
1,100.0	1,091.7	1,100.3	1,100.0	3.1	2.3	161.07	-41.4	10.9	126.3	121.4	4.91	25.728		
1,200.0	1,188.6	1,202.0	1,201.2	3.5	2.6	162.21	-38.4	19.7	142.2	136.8	5.41	26.299		
1,300.0	1,284.9	1,304.1	1,302.6	4.1	2.8	162.89	-34.5	31.2	158.3	152.4	5.92	26.733		
1,400.0	1,380.4	1,406.5	1,404.0	4.6	3.1	163.22	-29.7	45.2	174.6	168.2	6.46	27.034		
1,500.0	1,475.0	1,509.4	1,505.3	5.3	3.4	163.28	-24.0	61.9	191.2	184.2	7.03	27.207		
1,600.0	1,568.9	1,612.6	1,606.5	5.9	3.8	163.14	-17.4	81.2	208.0	200.3	7.63	27.255		
1,700.0	1,661.7	1,716.1	1,707.4	6.7	4.2	162.84	-9.9	103.2	224.9	216.6	8.27	27.186		
1,800.0	1,753.6	1,820.1	1,808.0	7.4	4.7	162.41	-1.5	127.9	242.0	233.1	8.96	27.017		
1,884.7	1,830.6	1,908.4	1,892.9	8.1	5.1	161.97	6.3	150.9	256.7	247.1	9.58	26.785		
1,900.0	1,844.4	1,924.4	1,908.2	8.3	5.2	161.89	7.8	155.2	259.3	249.6	9.71	26.715		
2,000.0	1,934.9	2,029.2	2,008.1	9.1	5.8	161.24	18.1	185.3	275.2	264.7	10.55	26.086		
2,100.0	2,025.3	2,134.8	2,107.8	10.0	6.4	160.34	29.3	218.2	288.9	277.4	11.47	25.175		
2,200.0	2,115.7	2,240.7	2,206.8	10.8	7.1	159.20	41.4	253.9	300.3	287.8	12.49	24.042		
2,300.0	2,206.2	2,347.0	2,305.0	11.7	7.9	157.84	54.5	292.2	309.6	296.0	13.62	22.737		
2,400.0	2,296.6	2,453.4	2,402.2	12.6	8.7	156.23	68.4	333.2	316.8	302.0	14.86	21.314		
2,500.0	2,387.0	2,553.3	2,492.9	13.5	9.5	154.62	82.0	373.0	323.0	306.9	16.17	19.973		
2,600.0	2,477.5	2,652.7	2,583.0	14.3	10.3	153.07	95.5	412.7	329.5	312.0	17.54	18.787		
2,700.0	2,567.9	2,752.1	2,673.2	15.2	11.2	151.59	109.0	452.3	336.2	317.2	18.96	17.733		
2,800.0	2,658.3	2,851.5	2,763.3	16.1	12.0	150.16	122.5	492.0	343.1	322.7	20.42	16.798		
2,900.0	2,748.7	2,950.9	2,853.5	17.0	12.9	148.79	136.1	531.6	350.2	328.3	21.93	15.966		
3,000.0	2,839.2	3,050.3	2,943.6	17.8	13.8	147.48	149.6	571.3	357.5	334.0	23.48	15.224		
3,100.0	2,929.6	3,149.7	3,033.8	18.7	14.6	146.21	163.1	610.9	365.0	339.9	25.06	14.561		
3,200.0	3,020.0	3,249.1	3,123.9	19.6	15.5	145.00	176.6	650.5	372.6	345.9	26.68	13.968		
3,300.0	3,110.5	3,348.5	3,214.0	20.5	16.4	143.84	190.1	690.2	380.4	352.1	28.32	13.435		
3,400.0	3,200.9	3,447.9	3,304.2	21.4	17.2	142.72	203.6	729.8	388.4	358.4	29.98	12.955		
3,500.0	3,291.3	3,547.3	3,394.3	22.3	18.1	141.65	217.1	769.5	396.5	364.8	31.66	12.522		
3,600.0	3,381.8	3,646.7	3,484.5	23.1	19.0	140.63	230.6	809.1	404.7	371.4	33.37	12.130		
3,700.0	3,472.2	3,746.1	3,574.6	24.0	19.9	139.64	244.1	848.8	413.1	378.0	35.09	11.774		
3,800.0	3,562.6	3,845.5	3,664.8	24.9	20.7	138.69	257.6	888.4	421.6	384.7	36.82	11.450		
3,900.0	3,653.1	3,944.9	3,754.9	25.8	21.6	137.78	271.1	928.1	430.2	391.6	38.56	11.154		
4,000.0	3,743.5	4,044.3	3,845.1	26.7	22.5	136.91	284.6	967.7	438.8	398.5	40.32	10.884		
4,100.0	3,833.9	4,143.7	3,935.2	27.6	23.4	136.07	298.1	1,007.3	447.6	405.5	42.09	10.636		
4,200.0	3,924.3	4,243.1	4,025.4	28.5	24.3	135.26	311.7	1,047.0	456.5	412.6	43.86	10.408		
4,300.0	4,014.8	4,342.5	4,115.5	29.3	25.1	134.48	325.2	1,086.6	465.5	419.8	45.64	10.198		
4,400.0	4,105.2	4,441.9	4,205.7	30.2	26.0	133.73	338.7	1,126.3	474.5	427.1	47.43	10.004		
4,500.0	4,195.6	4,541.4	4,295.8	31.1	26.9	133.02	352.2	1,165.9	483.7	434.4	49.23	9.825		
4,600.0	4,286.1	4,640.8	4,386.0	32.0	27.8	132.32	365.7	1,205.6	492.9	441.8	51.03	9.659		
4,700.0	4,376.5	4,740.2	4,476.1	32.9	28.7	131.65	379.2	1,245.2	502.1	449.3	52.83	9.505		
4,800.0	4,466.9	4,839.6	4,566.3	33.8	29.6	131.01	392.7	1,284.9	511.5	456.8	54.64	9.361		
4,900.0	4,557.4	4,939.0	4,656.4	34.7	30.5	130.39	406.2	1,324.5	520.9	464.4	56.44	9.228		
5,000.0	4,647.8	5,038.4	4,746.5	35.5	31.4	129.79	419.7	1,364.2	530.3	472.1	58.26	9.103		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well G & D Hanks M-27-28HN
Project:	SEC.27-T7N-R66W	TVD Reference:	WELL @ 4899.0ft (RKB - 25')
Reference Site:	G & D Hanks 27-N Pad Sec.27-T7N-R66W	MD Reference:	WELL @ 4899.0ft (RKB - 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	G & D Hanks M-27-28HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #1 (8-02-17)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.0	4,738.2	5,137.8	4,836.7	36.4	32.2	129.22	433.2	1,403.8	539.8	479.8	60.07	8.986		
5,200.0	4,828.6	5,237.2	4,926.8	37.3	33.1	128.66	446.7	1,443.4	549.4	487.5	61.89	8.877		
5,300.0	4,919.1	5,336.6	5,017.0	38.2	34.0	128.12	460.2	1,483.1	559.0	495.3	63.70	8.775		
5,400.0	5,009.5	5,436.0	5,107.1	39.1	34.9	127.60	473.7	1,522.7	568.7	503.1	65.52	8.679		
5,474.7	5,077.1	5,510.2	5,174.5	39.8	35.6	127.22	483.8	1,552.3	575.9	509.0	66.88	8.611		
5,500.0	5,100.0	5,535.0	5,197.0	40.0	35.8	127.13	487.2	1,562.2	578.3	511.0	67.32	8.590		
5,600.0	5,191.5	5,627.1	5,281.1	40.6	36.5	126.78	499.2	1,597.5	587.2	518.4	68.78	8.536		
5,700.0	5,284.4	5,719.2	5,366.5	41.2	37.1	126.44	510.4	1,630.3	595.3	525.2	70.10	8.492		
5,800.0	5,378.5	5,811.5	5,453.1	41.8	37.6	126.11	520.7	1,660.5	602.5	531.2	71.31	8.449		
5,900.0	5,473.7	5,904.0	5,540.8	42.3	38.1	125.80	530.1	1,688.1	609.0	536.6	72.43	8.409		
6,000.0	5,569.9	6,000.0	5,632.9	42.8	38.6	125.48	538.9	1,713.9	614.7	541.2	73.46	8.368		
6,100.0	5,667.1	6,089.2	5,719.2	43.2	39.0	125.20	546.2	1,735.2	619.5	545.2	74.34	8.333		
6,200.0	5,765.0	6,181.9	5,809.6	43.5	39.3	124.91	552.8	1,754.7	623.5	548.4	75.15	8.297		
6,300.0	5,863.5	6,274.8	5,900.8	43.8	39.6	124.62	558.5	1,771.4	626.7	550.8	75.85	8.262		
6,400.0	5,962.6	6,367.8	5,992.6	44.1	39.9	124.34	563.2	1,785.4	629.0	552.5	76.46	8.226		
6,500.0	6,062.1	6,460.9	6,085.0	44.3	40.1	124.05	567.0	1,796.5	630.4	553.5	76.97	8.191		
6,600.0	6,161.8	6,554.1	6,177.8	44.4	40.3	123.77	569.8	1,804.8	631.0	553.6	77.38	8.155		
6,700.0	6,261.8	6,647.4	6,270.9	44.5	40.5	123.49	571.7	1,810.2	630.7	553.0	77.70	8.117		
6,738.2	6,300.0	6,683.1	6,306.6	44.6	40.5	179.77	572.1	1,811.5	630.4	579.3	51.15	12.324		
6,800.0	6,361.8	6,740.8	6,364.3	44.6	40.6	179.66	572.6	1,812.7	630.0	578.8	51.20	12.304		
6,853.9	6,415.7	6,792.3	6,415.7	44.6	40.6	179.64	572.6	1,812.9	629.9	578.6	51.30	12.279		
6,900.0	6,461.8	6,838.3	6,461.8	44.7	40.6	179.64	572.6	1,812.9	629.9	578.5	51.40	12.255		
7,000.0	6,561.8	6,938.3	6,561.8	44.7	40.7	179.64	572.6	1,812.9	629.9	578.3	51.62	12.203		
7,011.2	6,573.0	6,949.6	6,573.0	44.7	40.7	179.64	572.6	1,812.9	629.9	578.2	51.64	12.197		
7,050.0	6,611.8	6,988.2	6,611.6	44.8	40.7	-89.73	572.6	1,811.9	629.9	551.6	78.32	8.042		
7,100.0	6,661.6	7,038.0	6,661.2	44.7	40.7	-89.73	572.6	1,807.5	629.9	551.6	78.29	8.046		
7,150.0	6,710.9	7,087.8	6,710.4	44.7	40.7	-89.73	572.5	1,799.6	629.9	551.7	78.18	8.057		
7,200.0	6,759.6	7,137.6	6,758.9	44.6	40.6	-89.74	572.4	1,788.4	629.9	551.9	78.01	8.075		
7,250.0	6,807.4	7,187.4	6,806.5	44.5	40.5	-89.74	572.2	1,773.8	629.9	552.1	77.78	8.098		
7,300.0	6,854.0	7,237.2	6,852.9	44.4	40.3	-89.75	572.0	1,756.0	629.9	552.4	77.51	8.126		
7,350.0	6,899.3	7,287.0	6,898.1	44.2	40.2	-89.76	571.8	1,734.9	629.9	552.7	77.21	8.158		
7,400.0	6,943.0	7,336.8	6,941.6	44.1	40.0	-89.77	571.5	1,710.8	629.9	553.0	76.88	8.193		
7,450.0	6,984.8	7,386.6	6,983.4	43.9	39.9	-89.78	571.2	1,683.7	629.9	553.3	76.55	8.228		
7,500.0	7,024.7	7,436.4	7,023.2	43.7	39.7	-89.79	570.9	1,653.7	629.9	553.7	76.22	8.264		
7,550.0	7,062.4	7,486.3	7,060.9	43.6	39.6	-89.80	570.5	1,621.0	629.9	554.0	75.90	8.299		
7,600.0	7,097.6	7,536.1	7,096.1	43.4	39.4	-89.81	570.1	1,585.8	629.9	554.3	75.61	8.331		
7,650.0	7,130.4	7,586.0	7,128.9	43.2	39.3	-89.83	569.7	1,548.2	629.9	554.5	75.36	8.358		
7,700.0	7,160.4	7,635.9	7,158.9	43.1	39.2	-89.84	569.3	1,508.5	629.9	554.7	75.17	8.380		
7,750.0	7,187.5	7,685.7	7,186.2	42.9	39.2	-89.86	568.8	1,466.7	629.9	554.9	75.03	8.395		
7,800.0	7,211.7	7,735.6	7,210.4	42.8	39.1	-89.88	568.3	1,423.1	629.9	554.9	74.97	8.402		
7,850.0	7,232.7	7,785.6	7,231.6	42.7	39.1	-89.89	567.8	1,377.9	629.9	554.9	74.99	8.400		
7,900.0	7,250.5	7,835.5	7,249.6	42.6	39.2	-89.91	567.3	1,331.3	629.9	554.8	75.09	8.389		
7,950.0	7,265.0	7,885.4	7,264.3	42.6	39.2	-89.93	566.8	1,283.6	629.9	554.6	75.28	8.368		
8,000.0	7,276.1	7,935.4	7,275.6	42.5	39.3	-89.95	566.2	1,235.0	629.9	554.4	75.55	8.337		
8,050.0	7,283.9	7,985.3	7,283.5	42.5	39.5	-89.97	565.7	1,185.7	629.9	554.0	75.92	8.298		
8,100.0	7,288.1	8,035.3	7,287.9	42.5	39.7	-89.99	565.1	1,135.9	629.9	553.6	76.36	8.250		
8,132.8	7,289.0	8,068.1	7,289.0	42.6	39.8	-90.00	564.8	1,103.2	629.9	553.2	76.68	8.215		
8,132.8	7,289.0	8,068.1	7,289.0	42.6	39.8	-90.00	564.8	1,103.1	629.9	553.2	76.68	8.214		
8,133.6	7,289.0	8,068.9	7,289.0	42.6	39.8	-90.00	564.8	1,102.3	629.9	553.2	76.69	8.214		
8,200.0	7,289.3	8,135.4	7,289.3	42.7	40.2	-90.00	564.0	1,035.9	629.9	552.4	77.50	8.128		
8,300.0	7,289.7	8,235.4	7,289.7	42.9	40.9	-90.00	562.9	935.9	629.9	550.9	78.99	7.974		
8,400.0	7,290.2	8,335.4	7,290.2	43.4	41.7	-90.00	561.8	835.9	629.9	549.1	80.86	7.791		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well G & D Hanks M-27-28HN
Project:	SEC.27-T7N-R66W	TVD Reference:	WELL @ 4899.0ft (RKB - 25')
Reference Site:	G & D Hanks 27-N Pad Sec.27-T7N-R66W	MD Reference:	WELL @ 4899.0ft (RKB - 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	G & D Hanks M-27-28HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #1 (8-02-17)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,500.0	7,290.6	8,435.4	7,290.6	44.0	42.7	-90.00	560.7	735.9	629.9	546.9	83.05	7.584		
8,600.0	7,291.0	8,535.4	7,291.0	44.8	43.9	-90.00	559.6	635.9	629.9	544.4	85.57	7.362		
8,700.0	7,291.5	8,635.4	7,291.5	45.7	45.2	-90.00	558.6	535.9	629.9	541.6	88.37	7.129		
8,800.0	7,291.9	8,735.4	7,291.9	46.9	46.7	-90.00	557.5	435.9	629.9	538.5	91.43	6.890		
8,900.0	7,292.4	8,835.4	7,292.3	48.2	48.3	-90.00	556.4	335.9	629.9	535.2	94.72	6.650		
9,000.0	7,292.8	8,935.4	7,292.8	49.6	50.0	-90.00	555.3	235.9	629.9	531.7	98.22	6.413		
9,100.0	7,293.2	9,035.4	7,293.2	51.2	51.8	-90.00	554.2	135.9	629.9	528.0	101.92	6.181		
9,200.0	7,293.7	9,135.4	7,293.6	53.0	53.7	-90.00	553.1	35.9	629.9	524.1	105.78	5.955		
9,300.0	7,294.1	9,235.4	7,294.1	54.8	55.7	-90.00	552.0	-64.1	629.9	520.1	109.80	5.737		
9,400.0	7,294.5	9,335.4	7,294.5	56.8	57.7	-90.00	550.9	-164.1	629.9	516.0	113.95	5.528		
9,500.0	7,295.0	9,435.4	7,294.9	58.8	59.9	-90.00	549.8	-264.1	629.9	511.7	118.23	5.328		
9,600.0	7,295.4	9,535.4	7,295.4	60.9	62.0	-90.00	548.7	-364.0	629.9	507.3	122.61	5.138		
9,700.0	7,295.9	9,635.4	7,295.8	63.1	64.3	-90.00	547.6	-464.0	629.9	502.8	127.09	4.957		
9,800.0	7,296.3	9,735.4	7,296.3	65.3	66.6	-90.00	546.5	-564.0	629.9	498.3	131.66	4.785		
9,900.0	7,296.7	9,835.4	7,296.7	67.6	68.9	-90.00	545.4	-664.0	629.9	493.6	136.30	4.622		
10,000.0	7,297.2	9,935.4	7,297.1	69.9	71.2	-90.00	544.3	-764.0	629.9	488.9	141.02	4.467		
10,100.0	7,297.6	10,035.4	7,297.6	72.3	73.6	-90.00	543.2	-864.0	629.9	484.1	145.80	4.321		
10,200.0	7,298.0	10,135.4	7,298.0	74.7	76.0	-90.00	542.1	-964.0	629.9	479.3	150.64	4.182		
10,300.0	7,298.5	10,235.4	7,298.4	77.1	78.5	-90.00	541.0	-1,064.0	629.9	474.4	155.53	4.050		
10,400.0	7,298.9	10,335.4	7,298.9	79.6	80.9	-90.00	539.9	-1,164.0	629.9	469.5	160.47	3.926		
10,500.0	7,299.3	10,435.4	7,299.3	82.1	83.4	-90.00	538.8	-1,264.0	629.9	464.5	165.45	3.807		
10,600.0	7,299.8	10,535.4	7,299.7	84.6	85.9	-90.00	537.7	-1,364.0	629.9	459.5	170.47	3.695		
10,700.0	7,300.2	10,635.4	7,300.2	87.1	88.5	-90.00	536.6	-1,464.0	629.9	454.4	175.53	3.589		
10,800.0	7,300.7	10,735.4	7,300.6	89.6	91.0	-90.00	535.6	-1,564.0	629.9	449.3	180.62	3.488		
10,900.0	7,301.1	10,835.4	7,301.1	92.2	93.6	-90.00	534.5	-1,664.0	629.9	444.2	185.74	3.391		
11,000.0	7,301.5	10,935.4	7,301.5	94.8	96.1	-90.00	533.4	-1,763.9	629.9	439.0	190.89	3.300		
11,100.0	7,302.0	11,035.4	7,301.9	97.3	98.7	-90.00	532.3	-1,863.9	629.9	433.9	196.07	3.213		
11,200.0	7,302.4	11,135.4	7,302.4	99.9	101.3	-90.00	531.2	-1,963.9	629.9	428.7	201.27	3.130		
11,300.0	7,302.8	11,235.4	7,302.8	102.6	103.9	-90.00	530.1	-2,063.9	629.9	423.4	206.49	3.051		
11,400.0	7,303.3	11,335.4	7,303.2	105.2	106.6	-90.00	529.0	-2,163.9	629.9	418.2	211.73	2.975		
11,500.0	7,303.7	11,435.4	7,303.7	107.8	109.2	-90.00	527.9	-2,263.9	629.9	412.9	216.99	2.903		
11,600.0	7,304.2	11,535.4	7,304.1	110.4	111.8	-90.00	526.8	-2,363.9	629.9	407.7	222.27	2.834		
11,700.0	7,304.6	11,635.4	7,304.5	113.1	114.5	-90.00	525.7	-2,463.9	629.9	402.4	227.57	2.768		
11,800.0	7,305.0	11,735.4	7,305.0	115.7	117.1	-90.00	524.6	-2,563.9	629.9	397.1	232.87	2.705		
11,900.0	7,305.5	11,835.4	7,305.4	118.4	119.8	-89.99	523.5	-2,663.9	629.9	391.7	238.20	2.645		
12,000.0	7,305.9	11,935.4	7,305.8	121.1	122.5	-89.99	522.4	-2,763.9	629.9	386.4	243.54	2.587		
12,100.0	7,306.3	12,035.4	7,306.3	123.8	125.1	-89.99	521.3	-2,863.9	629.9	381.1	248.89	2.531		
12,200.0	7,306.8	12,135.4	7,306.7	126.4	127.8	-89.99	520.2	-2,963.9	629.9	375.7	254.25	2.478		
12,300.0	7,307.2	12,235.4	7,307.2	129.1	130.5	-89.99	519.1	-3,063.9	629.9	370.3	259.62	2.426		
12,400.0	7,307.7	12,335.4	7,307.6	131.8	133.2	-89.99	518.0	-3,163.8	629.9	364.9	265.00	2.377		
12,500.0	7,308.1	12,435.4	7,308.0	134.5	135.9	-89.99	516.9	-3,263.8	629.9	359.5	270.39	2.330		
12,600.0	7,308.5	12,535.4	7,308.5	137.2	138.6	-89.99	515.8	-3,363.8	629.9	354.1	275.80	2.284		
12,700.0	7,309.0	12,635.4	7,308.9	139.9	141.3	-89.99	514.7	-3,463.8	629.9	348.7	281.21	2.240		
12,800.0	7,309.4	12,735.4	7,309.3	142.6	144.0	-89.99	513.6	-3,563.8	629.9	343.3	286.62	2.198		
12,900.0	7,309.8	12,835.4	7,309.8	145.4	146.7	-89.99	512.5	-3,663.8	629.9	337.9	292.05	2.157		
13,000.0	7,310.3	12,935.4	7,310.2	148.1	149.4	-89.99	511.5	-3,763.8	629.9	332.5	297.48	2.118		
13,100.0	7,310.7	13,035.4	7,310.6	150.8	152.2	-89.99	510.4	-3,863.8	629.9	327.0	302.92	2.080		
13,200.0	7,311.1	13,135.4	7,311.1	153.5	154.9	-89.99	509.3	-3,963.8	629.9	321.6	308.37	2.043		
13,300.0	7,311.6	13,235.4	7,311.5	156.2	157.6	-89.99	508.2	-4,063.8	629.9	316.1	313.82	2.007		
13,400.0	7,312.0	13,335.4	7,312.0	159.0	160.3	-89.99	507.1	-4,163.8	629.9	310.7	319.28	1.973		
13,500.0	7,312.5	13,435.4	7,312.4	161.7	163.1	-89.99	506.0	-4,263.8	629.9	305.2	324.74	1.940		
13,600.0	7,312.9	13,535.4	7,312.8	164.4	165.8	-89.99	504.9	-4,363.8	630.0	299.7	330.21	1.908		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well G & D Hanks M-27-28HN
Project:	SEC.27-T7N-R66W	TVD Reference:	WELL @ 4899.0ft (RKB - 25')
Reference Site:	G & D Hanks 27-N Pad Sec.27-T7N-R66W	MD Reference:	WELL @ 4899.0ft (RKB - 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	G & D Hanks M-27-28HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #1 (8-02-17)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
13,700.0	7,313.3	13,635.4	7,313.3	167.2	168.5	-89.99	503.8	-4,463.8	630.0	294.3	335.68	1.877	
13,800.0	7,313.8	13,735.4	7,313.7	169.9	171.3	-89.99	502.7	-4,563.8	630.0	288.8	341.16	1.846	
13,900.0	7,314.2	13,835.4	7,314.1	172.7	174.0	-89.99	501.6	-4,663.7	630.0	283.3	346.64	1.817	
14,000.0	7,314.6	13,935.4	7,314.6	175.4	176.8	-89.99	500.5	-4,763.7	630.0	277.8	352.13	1.789	
14,100.0	7,315.1	14,035.4	7,315.0	178.2	179.5	-89.99	499.4	-4,863.7	630.0	272.3	357.62	1.762	
14,200.0	7,315.5	14,135.4	7,315.4	180.9	182.3	-89.99	498.3	-4,963.7	630.0	266.8	363.12	1.735	
14,300.0	7,316.0	14,235.4	7,315.9	183.7	185.0	-89.99	497.2	-5,063.7	630.0	261.3	368.62	1.709	
14,400.0	7,316.4	14,335.4	7,316.3	186.4	187.8	-89.99	496.1	-5,163.7	630.0	255.8	374.12	1.684	
14,500.0	7,316.8	14,435.4	7,316.7	189.2	190.5	-89.99	495.0	-5,263.7	630.0	250.3	379.62	1.659	
14,600.0	7,317.3	14,535.4	7,317.2	191.9	193.3	-89.99	493.9	-5,363.7	630.0	244.8	385.13	1.636	
14,700.0	7,317.7	14,635.4	7,317.6	194.7	196.0	-89.99	492.8	-5,463.7	630.0	239.3	390.65	1.613	
14,800.0	7,318.1	14,735.4	7,318.1	197.4	198.8	-89.99	491.7	-5,563.7	630.0	233.8	396.16	1.590	
14,900.0	7,318.6	14,835.4	7,318.5	200.2	201.5	-89.99	490.6	-5,663.7	630.0	228.3	401.68	1.568	
15,000.0	7,319.0	14,935.4	7,318.9	203.0	204.3	-89.99	489.5	-5,763.7	630.0	222.8	407.20	1.547	
15,100.0	7,319.5	15,035.4	7,319.4	205.7	207.1	-89.99	488.5	-5,863.7	630.0	217.2	412.72	1.526	
15,200.0	7,319.9	15,135.4	7,319.8	208.5	209.8	-89.99	487.4	-5,963.7	630.0	211.7	418.25	1.506	
15,300.0	7,320.3	15,235.4	7,320.2	211.2	212.6	-89.99	486.3	-6,063.6	630.0	206.2	423.78	1.487 Level 3	
15,400.0	7,320.8	15,335.4	7,320.7	214.0	215.3	-89.99	485.2	-6,163.6	630.0	200.7	429.31	1.467 Level 3	
15,500.0	7,321.2	15,435.4	7,321.1	216.8	218.1	-89.99	484.1	-6,263.6	630.0	195.1	434.84	1.449 Level 3	
15,600.0	7,321.6	15,535.4	7,321.5	219.5	220.9	-89.99	483.0	-6,363.6	630.0	189.6	440.38	1.431 Level 3	
15,700.0	7,322.1	15,635.4	7,322.0	222.3	223.7	-89.99	481.9	-6,463.6	630.0	184.0	445.92	1.413 Level 3	
15,800.0	7,322.5	15,735.4	7,322.4	225.1	226.4	-89.99	480.8	-6,563.6	630.0	178.5	451.46	1.395 Level 3	
15,900.0	7,323.0	15,835.4	7,322.8	227.9	229.2	-89.99	479.7	-6,663.6	630.0	173.0	457.00	1.378 Level 3	
16,000.0	7,323.4	15,935.4	7,323.3	230.6	232.0	-89.99	478.6	-6,763.6	630.0	167.4	462.54	1.362 Level 3	
16,100.0	7,323.8	16,035.4	7,323.7	233.4	234.7	-89.99	477.5	-6,863.6	630.0	161.9	468.09	1.346 Level 3	
16,200.0	7,324.3	16,135.4	7,324.2	236.2	237.5	-89.99	476.4	-6,963.6	630.0	156.3	473.63	1.330 Level 3	
16,300.0	7,324.7	16,235.4	7,324.6	238.9	240.3	-89.99	475.3	-7,063.6	630.0	150.8	479.18	1.315 Level 3	
16,400.0	7,325.1	16,335.4	7,325.0	241.7	243.1	-89.99	474.2	-7,163.6	630.0	145.2	484.73	1.300 Level 3	
16,500.0	7,325.6	16,435.4	7,325.5	244.5	245.8	-89.99	473.1	-7,263.6	630.0	139.7	490.28	1.285 Level 3	
16,600.0	7,326.0	16,535.4	7,325.9	247.3	248.6	-89.99	472.0	-7,363.6	630.0	134.1	495.84	1.271 Level 3	
16,700.0	7,326.4	16,635.4	7,326.3	250.1	251.4	-89.99	470.9	-7,463.6	630.0	128.6	501.39	1.256 Level 3	
16,800.0	7,326.9	16,735.4	7,326.8	252.8	254.2	-89.99	469.8	-7,563.5	630.0	123.0	506.95	1.243 Level 2	
16,900.0	7,327.3	16,835.4	7,327.2	255.6	256.9	-89.99	468.7	-7,663.5	630.0	117.5	512.51	1.229 Level 2	
17,000.0	7,327.8	16,935.4	7,327.6	258.4	259.7	-89.99	467.6	-7,763.5	630.0	111.9	518.06	1.216 Level 2	
17,100.0	7,328.2	17,035.4	7,328.1	261.2	262.5	-89.99	466.5	-7,863.5	630.0	106.3	523.62	1.203 Level 2	
17,200.0	7,328.6	17,135.4	7,328.5	264.0	265.3	-89.99	465.4	-7,963.5	630.0	100.8	529.19	1.190 Level 2	
17,300.0	7,329.1	17,235.4	7,329.0	266.7	268.1	-89.99	464.4	-8,063.5	630.0	95.2	534.75	1.178 Level 2	
17,400.0	7,329.5	17,335.4	7,329.4	269.5	270.8	-89.99	463.3	-8,163.5	630.0	89.7	540.31	1.166 Level 2	
17,500.0	7,329.9	17,435.4	7,329.8	272.3	273.6	-89.99	462.2	-8,263.5	630.0	84.1	545.88	1.154 Level 2	
17,600.0	7,330.4	17,535.4	7,330.3	275.1	276.4	-89.99	461.1	-8,363.5	630.0	78.5	551.44	1.142 Level 2	
17,700.0	7,330.8	17,635.4	7,330.7	277.9	279.2	-89.99	460.0	-8,463.5	630.0	73.0	557.01	1.131 Level 2	
17,800.0	7,331.3	17,735.4	7,331.1	280.6	282.0	-89.99	458.9	-8,563.5	630.0	67.4	562.58	1.120 Level 2	
17,900.0	7,331.7	17,835.4	7,331.6	283.4	284.8	-89.99	457.8	-8,663.5	630.0	61.8	568.15	1.109 Level 2	
18,000.0	7,332.1	17,935.4	7,332.0	286.2	287.5	-89.99	456.7	-8,763.5	630.0	56.3	573.72	1.098 Level 2	
18,100.0	7,332.6	18,035.4	7,332.4	289.0	290.3	-89.99	455.6	-8,863.5	630.0	50.7	579.29	1.088 Level 2	
18,200.0	7,333.0	18,135.4	7,332.9	291.8	293.1	-89.99	454.5	-8,963.4	630.0	45.1	584.86	1.077 Level 2	
18,300.0	7,333.4	18,235.4	7,333.3	294.6	295.9	-89.99	453.4	-9,063.4	630.0	39.5	590.43	1.067 Level 2	
18,400.0	7,333.9	18,335.4	7,333.7	297.4	298.7	-89.99	452.3	-9,163.4	630.0	34.0	596.01	1.057 Level 2	
18,427.8	7,334.0	18,363.2	7,333.9	298.1	299.5	-89.99	452.0	-9,191.2	630.0	32.4	597.56	1.054 Level 2, ES, SF	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well G & D Hanks M-27-28HN
Project:	SEC.27-T7N-R66W	TVD Reference:	WELL @ 4899.0ft (RKB - 25')
Reference Site:	G & D Hanks 27-N Pad Sec.27-T7N-R66W	MD Reference:	WELL @ 4899.0ft (RKB - 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	G & D Hanks M-27-28HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #1 (8-02-17)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-179.74	-60.1	-0.3	60.1					
100.0	100.0	100.0	100.0	0.1	0.1	-179.74	-60.1	-0.3	60.1	59.9	0.22	267.432		
200.0	200.0	200.0	200.0	0.3	0.3	-179.74	-60.1	-0.3	60.1	59.4	0.67	89.144 CC, ES		
300.0	300.0	300.0	300.0	0.6	0.6	124.89	-60.1	-0.3	60.8	59.7	1.12	54.196		
400.0	399.9	399.9	399.9	0.8	0.8	127.78	-60.1	-0.3	63.2	61.6	1.58	40.048		
500.0	499.7	499.7	499.7	1.0	1.0	132.13	-60.1	-0.3	67.4	65.3	2.04	32.962		
600.0	599.3	600.1	600.1	1.3	1.2	136.46	-59.8	1.0	73.3	70.7	2.51	29.148		
700.0	698.6	700.8	700.7	1.6	1.4	139.70	-58.9	4.8	80.2	77.2	2.99	26.828		
800.0	797.5	801.5	801.2	1.9	1.7	141.99	-57.3	11.3	88.0	84.5	3.49	25.240		
900.0	896.1	902.5	901.7	2.2	1.9	143.51	-55.1	20.3	96.5	92.5	4.01	24.076		
1,000.0	994.2	1,003.5	1,002.1	2.6	2.2	144.41	-52.3	31.9	105.8	101.2	4.57	23.160		
1,100.0	1,091.7	1,104.7	1,102.2	3.1	2.5	144.81	-48.9	46.2	115.6	110.5	5.17	22.384		
1,200.0	1,188.6	1,206.0	1,202.0	3.5	2.8	144.83	-44.9	63.0	126.1	120.3	5.82	21.685		
1,300.0	1,284.9	1,307.4	1,301.4	4.1	3.2	144.55	-40.2	82.4	137.2	130.7	6.53	21.025		
1,400.0	1,380.4	1,408.9	1,400.3	4.6	3.6	144.04	-34.9	104.3	149.0	141.6	7.31	20.383		
1,500.0	1,475.0	1,510.4	1,498.7	5.3	4.1	143.35	-29.0	128.9	161.3	153.1	8.17	19.748		
1,600.0	1,568.9	1,612.1	1,596.4	5.9	4.6	142.53	-22.5	156.0	174.2	165.1	9.11	19.122		
1,700.0	1,661.7	1,713.7	1,693.4	6.7	5.2	141.60	-15.3	185.6	187.8	177.7	10.15	18.501		
1,800.0	1,753.6	1,815.4	1,789.6	7.4	5.8	140.61	-7.6	217.8	202.0	190.7	11.29	17.892		
1,884.7	1,830.6	1,901.6	1,870.3	8.1	6.4	139.72	-0.5	246.9	214.6	202.3	12.34	17.393		
1,900.0	1,844.4	1,917.2	1,884.9	8.3	6.5	139.58	0.8	252.4	216.9	204.4	12.54	17.296		
2,000.0	1,934.9	2,017.8	1,978.2	9.1	7.3	138.42	9.6	288.8	231.3	217.4	13.91	16.632		
2,100.0	2,025.3	2,116.7	2,069.8	10.0	8.0	137.33	18.3	325.1	245.6	230.3	15.31	16.037		
2,200.0	2,115.7	2,215.5	2,161.4	10.8	8.7	136.36	27.0	361.3	259.9	243.2	16.75	15.522		
2,300.0	2,206.2	2,314.4	2,253.0	11.7	9.5	135.49	35.7	397.6	274.3	256.1	18.20	15.074		
2,400.0	2,296.6	2,413.3	2,344.6	12.6	10.3	134.70	44.5	433.8	288.8	269.1	19.67	14.683		
2,500.0	2,387.0	2,512.2	2,436.1	13.5	11.0	133.99	53.2	470.0	303.3	282.2	21.15	14.340		
2,600.0	2,477.5	2,611.0	2,527.7	14.3	11.8	133.35	61.9	506.3	317.9	295.2	22.65	14.036		
2,700.0	2,567.9	2,709.9	2,619.3	15.2	12.6	132.76	70.7	542.5	332.4	308.3	24.15	13.767		
2,800.0	2,658.3	2,808.8	2,710.9	16.1	13.3	132.22	79.4	578.8	347.1	321.4	25.66	13.526		
2,900.0	2,748.7	2,907.7	2,802.4	17.0	14.1	131.73	88.1	615.0	361.7	334.5	27.18	13.310		
3,000.0	2,839.2	3,006.5	2,894.0	17.8	14.9	131.27	96.9	651.2	376.4	347.7	28.70	13.115		
3,100.0	2,929.6	3,105.4	2,985.6	18.7	15.7	130.85	105.6	687.5	391.1	360.9	30.23	12.938		
3,200.0	3,020.0	3,204.3	3,077.2	19.6	16.5	130.46	114.3	723.7	405.8	374.0	31.76	12.777		
3,300.0	3,110.5	3,303.2	3,168.8	20.5	17.3	130.09	123.1	760.0	420.5	387.2	33.30	12.631		
3,400.0	3,200.9	3,402.0	3,260.3	21.4	18.0	129.75	131.8	796.2	435.3	400.5	34.83	12.496		
3,500.0	3,291.3	3,500.9	3,351.9	22.3	18.8	129.43	140.5	832.4	450.1	413.7	36.37	12.373		
3,600.0	3,381.8	3,599.8	3,443.5	23.1	19.6	129.14	149.3	868.7	464.8	426.9	37.92	12.259		
3,700.0	3,472.2	3,698.6	3,535.1	24.0	20.4	128.86	158.0	904.9	479.6	440.1	39.46	12.153		
3,800.0	3,562.6	3,797.5	3,626.7	24.9	21.2	128.60	166.7	941.1	494.4	453.4	41.01	12.056		
3,900.0	3,653.1	3,896.4	3,718.2	25.8	22.0	128.35	175.5	977.4	509.2	466.7	42.56	11.965		
4,000.0	3,743.5	3,995.3	3,809.8	26.7	22.8	128.12	184.2	1,013.6	524.0	479.9	44.11	11.880		
4,100.0	3,833.9	4,094.1	3,901.4	27.6	23.5	127.90	192.9	1,049.9	538.9	493.2	45.66	11.801		
4,200.0	3,924.3	4,193.0	3,993.0	28.5	24.3	127.69	201.7	1,086.1	553.7	506.5	47.22	11.727		
4,300.0	4,014.8	4,291.9	4,084.6	29.3	25.1	127.49	210.4	1,122.3	568.5	519.8	48.77	11.657		
4,400.0	4,105.2	4,390.8	4,176.1	30.2	25.9	127.30	219.1	1,158.6	583.4	533.0	50.32	11.592		
4,500.0	4,195.6	4,489.6	4,267.7	31.1	26.7	127.12	227.8	1,194.8	598.2	546.3	51.88	11.531		
4,600.0	4,286.1	4,588.5	4,359.3	32.0	27.5	126.95	236.6	1,231.1	613.1	559.6	53.44	11.473		
4,700.0	4,376.5	4,687.4	4,450.9	32.9	28.3	126.79	245.3	1,267.3	627.9	572.9	54.99	11.418		
4,800.0	4,466.9	4,786.3	4,542.4	33.8	29.1	126.64	254.0	1,303.5	642.8	586.2	56.55	11.366		
4,900.0	4,557.4	4,885.1	4,634.0	34.7	29.9	126.49	262.8	1,339.8	657.7	599.6	58.11	11.317		
5,000.0	4,647.8	4,984.0	4,725.6	35.5	30.7	126.35	271.5	1,376.0	672.5	612.9	59.67	11.271		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well G & D Hanks M-27-28HN
Project:	SEC.27-T7N-R66W	TVD Reference:	WELL @ 4899.0ft (RKB - 25')
Reference Site:	G & D Hanks 27-N Pad Sec.27-T7N-R66W	MD Reference:	WELL @ 4899.0ft (RKB - 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	G & D Hanks M-27-28HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #1 (8-02-17)	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
G & D Hanks 27-N Pad Sec.27-T7N-R66W - G & D Hanks Q-27-28HC - Wellbore #1 - Plan #1 (8-02-17)												Offset Well Error:	0.0 ft
Survey Program: 0-MWD													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	4,738.2	5,082.9	4,817.2	36.4	31.4	126.22	280.2	1,412.3	687.4	626.2	61.23	11.227	
5,200.0	4,828.6	5,181.8	4,908.8	37.3	32.2	126.09	289.0	1,448.5	702.3	639.5	62.79	11.185	
5,300.0	4,919.1	5,280.6	5,000.3	38.2	33.0	125.96	297.7	1,484.7	717.2	652.8	64.35	11.145	
5,400.0	5,009.5	5,379.5	5,091.9	39.1	33.8	125.85	306.4	1,521.0	732.1	666.2	65.91	11.107	
5,474.7	5,077.1	5,453.4	5,160.3	39.8	34.4	125.76	313.0	1,548.0	743.2	676.1	67.08	11.079	
5,500.0	5,100.0	5,478.4	5,183.5	40.0	34.6	125.79	315.2	1,557.2	746.9	679.4	67.46	11.072	
5,600.0	5,191.5	5,577.4	5,275.2	40.6	35.4	125.73	323.9	1,593.5	760.3	691.4	68.91	11.032	
5,700.0	5,284.4	5,673.0	5,363.8	41.2	36.1	125.49	332.3	1,628.2	771.8	701.4	70.32	10.974	
5,800.0	5,378.5	5,765.2	5,450.4	41.8	36.7	125.25	339.8	1,659.3	782.1	710.6	71.53	10.934	
5,900.0	5,473.7	5,857.7	5,538.1	42.3	37.2	125.02	346.6	1,687.7	791.4	718.8	72.62	10.898	
6,000.0	5,569.9	5,950.3	5,626.9	42.8	37.6	124.79	352.8	1,713.4	799.6	725.9	73.61	10.863 SF	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well G & D Hanks M-27-28HN
Project:	SEC.27-T7N-R66W	TVD Reference:	WELL @ 4899.0ft (RKB - 25')
Reference Site:	G & D Hanks 27-N Pad Sec.27-T7N-R66W	MD Reference:	WELL @ 4899.0ft (RKB - 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	G & D Hanks M-27-28HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #1 (8-02-17)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-179.79	-75.1	-0.3	75.1					
100.0	100.0	100.0	100.0	0.1	0.1	-179.79	-75.1	-0.3	75.1	74.8	0.22	333.906 CC		
200.0	200.0	200.0	200.0	0.3	0.3	-179.79	-75.1	-0.3	75.1	74.4	0.67	111.302 ES		
300.0	300.0	300.3	300.3	0.6	0.6	123.66	-74.8	1.0	75.6	74.5	1.11	67.826		
400.0	399.9	400.6	400.5	0.8	0.8	123.18	-74.2	4.9	77.1	75.6	1.56	49.353		
500.0	499.7	500.9	500.6	1.0	1.0	122.42	-73.2	11.4	79.7	77.7	2.04	39.081		
600.0	599.3	601.1	600.3	1.3	1.3	121.43	-71.8	20.5	83.4	80.8	2.56	32.642		
700.0	698.6	701.2	699.7	1.6	1.6	120.27	-69.9	32.2	88.1	85.0	3.12	28.269		
800.0	797.5	801.2	798.7	1.9	1.9	119.02	-67.7	46.4	94.0	90.2	3.74	25.126		
900.0	896.1	901.1	897.2	2.2	2.2	117.72	-65.0	63.1	100.9	96.5	4.43	22.771		
1,000.0	994.2	1,000.9	995.1	2.6	2.6	116.43	-61.9	82.4	108.9	103.7	5.20	20.953		
1,100.0	1,091.7	1,100.6	1,092.3	3.1	3.1	115.16	-58.5	104.1	118.0	112.0	6.05	19.514		
1,200.0	1,188.6	1,200.1	1,188.7	3.5	3.6	113.95	-54.7	128.3	128.3	121.3	6.99	18.355		
1,300.0	1,284.9	1,299.4	1,284.2	4.1	4.1	112.81	-50.4	154.9	139.6	131.6	8.02	17.405		
1,400.0	1,380.4	1,398.5	1,378.9	4.6	4.7	111.75	-45.8	183.9	152.0	142.8	9.15	16.618		
1,500.0	1,475.0	1,497.4	1,472.6	5.3	5.3	110.75	-40.9	215.2	165.5	155.1	10.37	15.958		
1,600.0	1,568.9	1,596.1	1,565.2	5.9	6.0	109.84	-35.5	248.9	180.0	168.3	11.69	15.398		
1,700.0	1,661.7	1,694.7	1,657.0	6.7	6.7	109.08	-29.9	284.6	195.6	182.5	13.10	14.924		
1,800.0	1,753.6	1,793.3	1,748.6	7.4	7.5	108.98	-24.2	320.6	212.0	197.4	14.57	14.550		
1,884.7	1,830.6	1,876.7	1,826.1	8.1	8.1	109.36	-19.3	351.0	226.6	210.7	15.84	14.302		
1,900.0	1,844.4	1,891.8	1,840.1	8.3	8.2	109.50	-18.5	356.5	229.3	213.2	16.08	14.262		
2,000.0	1,934.9	1,990.1	1,931.5	9.1	9.0	110.34	-12.8	392.4	246.9	229.3	17.61	14.025		
2,100.0	2,025.3	2,088.5	2,022.9	10.0	9.7	111.07	-7.1	428.3	264.6	245.5	19.14	13.825		
2,200.0	2,115.7	2,186.9	2,114.3	10.8	10.5	111.70	-1.4	464.2	282.3	261.7	20.68	13.653		
2,300.0	2,206.2	2,285.3	2,205.7	11.7	11.2	112.26	4.3	500.2	300.1	277.9	22.22	13.505		
2,400.0	2,296.6	2,383.6	2,297.1	12.6	12.0	112.76	10.0	536.1	317.9	294.1	23.76	13.377		
2,500.0	2,387.0	2,482.0	2,388.5	13.5	12.8	113.20	15.7	572.0	335.7	310.3	25.31	13.263		
2,600.0	2,477.5	2,580.4	2,480.0	14.3	13.5	113.61	21.4	607.9	353.5	326.6	26.85	13.163		
2,700.0	2,567.9	2,678.8	2,571.4	15.2	14.3	113.97	27.1	643.8	371.3	342.9	28.40	13.075		
2,800.0	2,658.3	2,777.1	2,662.8	16.1	15.1	114.30	32.8	679.7	389.1	359.2	29.94	12.995		
2,900.0	2,748.7	2,875.5	2,754.2	17.0	15.8	114.60	38.5	715.6	407.0	375.5	31.49	12.923		
3,000.0	2,839.2	2,973.9	2,845.6	17.8	16.6	114.87	44.1	751.5	424.8	391.8	33.04	12.859		
3,100.0	2,929.6	3,072.2	2,937.0	18.7	17.4	115.12	49.8	787.4	442.7	408.1	34.59	12.800		
3,200.0	3,020.0	3,170.6	3,028.4	19.6	18.2	115.36	55.5	823.3	460.6	424.5	36.14	12.746		
3,300.0	3,110.5	3,269.0	3,119.8	20.5	18.9	115.57	61.2	859.2	478.5	440.8	37.68	12.697		
3,400.0	3,200.9	3,367.4	3,211.2	21.4	19.7	115.77	66.9	895.1	496.4	457.1	39.23	12.652		
3,500.0	3,291.3	3,465.7	3,302.6	22.3	20.5	115.96	72.6	931.0	514.3	473.5	40.78	12.610		
3,600.0	3,381.8	3,564.1	3,394.0	23.1	21.2	116.13	78.3	966.9	532.2	489.8	42.33	12.572		
3,700.0	3,472.2	3,662.5	3,485.4	24.0	22.0	116.29	84.0	1,002.8	550.1	506.2	43.88	12.536		
3,800.0	3,562.6	3,760.8	3,576.9	24.9	22.8	116.45	89.7	1,038.7	568.0	522.6	45.43	12.503		
3,900.0	3,653.1	3,859.2	3,668.3	25.8	23.6	116.59	95.4	1,074.6	585.9	538.9	46.98	12.472		
4,000.0	3,743.5	3,957.6	3,759.7	26.7	24.3	116.72	101.1	1,110.5	603.8	555.3	48.53	12.443		
4,100.0	3,833.9	4,056.0	3,851.1	27.6	25.1	116.85	106.8	1,146.4	621.7	571.7	50.07	12.416		
4,200.0	3,924.3	4,154.3	3,942.5	28.5	25.9	116.97	112.5	1,182.3	639.7	588.0	51.62	12.391		
4,300.0	4,014.8	4,252.7	4,033.9	29.3	26.7	117.08	118.2	1,218.2	657.6	604.4	53.17	12.367		
4,400.0	4,105.2	4,351.1	4,125.3	30.2	27.4	117.19	123.8	1,254.1	675.5	620.8	54.72	12.345		
4,500.0	4,195.6	4,449.5	4,216.7	31.1	28.2	117.29	129.5	1,290.0	693.4	637.2	56.27	12.323		
4,600.0	4,286.1	4,547.8	4,308.1	32.0	29.0	117.39	135.2	1,325.9	711.4	653.5	57.82	12.303		
4,700.0	4,376.5	4,646.2	4,399.5	32.9	29.8	117.48	140.9	1,361.8	729.3	669.9	59.37	12.284		
4,800.0	4,466.9	4,744.6	4,490.9	33.8	30.5	117.57	146.6	1,397.8	747.2	686.3	60.92	12.267		
4,900.0	4,557.4	4,842.9	4,582.4	34.7	31.3	117.65	152.3	1,433.7	765.2	702.7	62.47	12.249		
5,000.0	4,647.8	4,941.3	4,673.8	35.5	32.1	117.73	158.0	1,469.6	783.1	719.1	64.01	12.233 SF		

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

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well G & D Hanks M-27-28HN
Project:	SEC.27-T7N-R66W	TVD Reference:	WELL @ 4899.0ft (RKB - 25')
Reference Site:	G & D Hanks 27-N Pad Sec.27-T7N-R66W	MD Reference:	WELL @ 4899.0ft (RKB - 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	G & D Hanks M-27-28HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #1 (8-02-17)	Offset TVD Reference:	Offset Datum

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well G & D Hanks M-27-28HN
Project:	SEC.27-T7N-R66W	TVD Reference:	WELL @ 4899.0ft (RKB - 25')
Reference Site:	G & D Hanks 27-N Pad Sec.27-T7N-R66W	MD Reference:	WELL @ 4899.0ft (RKB - 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	G & D Hanks M-27-28HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #1 (8-02-17)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-179.82	-90.0	-0.3	90.0					
100.0	100.0	100.0	100.0	0.1	0.1	-179.82	-90.0	-0.3	90.0	89.8	0.22	400.326		
200.0	200.0	200.0	200.0	0.3	0.3	-179.82	-90.0	-0.3	90.0	89.3	0.67	133.442 CC, ES		
300.0	300.0	300.0	300.0	0.6	0.6	124.47	-90.0	-0.3	90.7	89.6	1.12	80.801		
400.0	399.9	399.9	399.9	0.8	0.8	126.43	-90.0	-0.3	93.0	91.4	1.58	58.969		
500.0	499.7	499.9	499.9	1.0	1.0	128.73	-90.0	1.0	96.9	94.9	2.03	47.720		
600.0	599.3	599.9	599.8	1.3	1.2	130.48	-90.1	5.0	102.4	99.9	2.50	41.036		
700.0	698.6	700.0	699.7	1.6	1.4	131.69	-90.2	11.5	109.4	106.4	2.99	36.576		
800.0	797.5	800.0	799.3	1.9	1.7	132.40	-90.3	20.6	117.8	114.3	3.52	33.434		
900.0	896.1	900.0	898.6	2.2	2.0	132.70	-90.5	32.4	127.6	123.5	4.10	31.106		
1,000.0	994.2	999.9	997.4	2.6	2.3	132.64	-90.7	46.7	138.8	134.1	4.74	29.300		
1,100.0	1,091.7	1,099.7	1,095.8	3.1	2.6	132.31	-90.9	63.6	151.4	145.9	5.44	27.841		
1,200.0	1,188.6	1,199.3	1,193.5	3.5	3.0	131.78	-91.2	83.0	165.3	159.1	6.21	26.622		
1,300.0	1,284.9	1,298.7	1,290.5	4.1	3.4	131.10	-91.5	105.0	180.6	173.5	7.06	25.576		
1,400.0	1,380.4	1,397.9	1,386.6	4.6	3.9	130.31	-91.9	129.3	197.3	189.3	8.00	24.661		
1,500.0	1,475.0	1,496.9	1,481.9	5.3	4.4	129.46	-92.3	156.1	215.3	206.3	9.03	23.851		
1,600.0	1,568.9	1,595.6	1,576.2	5.9	5.0	128.56	-92.7	185.3	234.7	224.6	10.15	23.128		
1,700.0	1,661.7	1,694.0	1,669.3	6.7	5.6	127.64	-93.2	216.8	255.6	244.2	11.37	22.479		
1,800.0	1,753.6	1,792.0	1,761.4	7.4	6.2	126.71	-93.7	250.5	277.7	265.0	12.68	21.897		
1,884.7	1,830.6	1,874.3	1,838.3	8.1	6.8	126.11	-94.2	279.8	297.6	283.8	13.85	21.493		
1,900.0	1,844.4	1,889.1	1,852.2	8.3	6.9	126.08	-94.2	285.1	301.3	287.3	14.06	21.429		
2,000.0	1,934.9	1,986.2	1,942.8	9.1	7.6	125.89	-94.8	319.7	325.5	310.0	15.47	21.040		
2,100.0	2,025.3	2,083.2	2,033.5	10.0	8.3	125.72	-95.3	354.2	349.6	332.7	16.89	20.697		
2,200.0	2,115.7	2,180.2	2,124.2	10.8	9.0	125.58	-95.8	388.8	373.8	355.4	18.33	20.396		
2,300.0	2,206.2	2,277.3	2,214.9	11.7	9.8	125.45	-96.3	423.3	397.9	378.2	19.77	20.129		
2,400.0	2,296.6	2,374.3	2,305.5	12.6	10.5	125.34	-96.8	457.9	422.1	400.9	21.22	19.892		
2,500.0	2,387.0	2,471.3	2,396.2	13.5	11.2	125.24	-97.3	492.4	446.2	423.6	22.67	19.681		
2,600.0	2,477.5	2,568.4	2,486.9	14.3	11.9	125.15	-97.8	527.0	470.4	446.3	24.13	19.491		
2,700.0	2,567.9	2,665.4	2,577.5	15.2	12.7	125.07	-98.4	561.6	494.6	469.0	25.60	19.320		
2,800.0	2,658.3	2,762.5	2,668.2	16.1	13.4	125.00	-98.9	596.1	518.7	491.7	27.07	19.165		
2,900.0	2,748.7	2,859.5	2,758.9	17.0	14.1	124.93	-99.4	630.7	542.9	514.3	28.54	19.025		
3,000.0	2,839.2	2,956.5	2,849.6	17.8	14.9	124.87	-99.9	665.2	567.0	537.0	30.01	18.896		
3,100.0	2,929.6	3,053.6	2,940.2	18.7	15.6	124.81	-100.4	699.8	591.2	559.7	31.48	18.779		
3,200.0	3,020.0	3,150.6	3,030.9	19.6	16.3	124.76	-100.9	734.3	615.4	582.4	32.96	18.671		
3,300.0	3,110.5	3,247.6	3,121.6	20.5	17.1	124.71	-101.4	768.9	639.5	605.1	34.44	18.571		
3,400.0	3,200.9	3,344.7	3,212.3	21.4	17.8	124.67	-102.0	803.4	663.7	627.8	35.92	18.479		
3,500.0	3,291.3	3,441.7	3,302.9	22.3	18.5	124.63	-102.5	838.0	687.9	650.5	37.40	18.394		
3,600.0	3,381.8	3,538.7	3,393.6	23.1	19.3	124.59	-103.0	872.5	712.0	673.1	38.88	18.314		
3,700.0	3,472.2	3,635.8	3,484.3	24.0	20.0	124.55	-103.5	907.1	736.2	695.8	40.36	18.240		
3,800.0	3,562.6	3,732.8	3,575.0	24.9	20.7	124.52	-104.0	941.6	760.4	718.5	41.84	18.171		
3,900.0	3,653.1	3,829.8	3,665.6	25.8	21.5	124.49	-104.5	976.2	784.5	741.2	43.33	18.107 SF		

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well G & D Hanks M-27-28HN
Project:	SEC.27-T7N-R66W	TVD Reference:	WELL @ 4899.0ft (RKB - 25')
Reference Site:	G & D Hanks 27-N Pad Sec.27-T7N-R66W	MD Reference:	WELL @ 4899.0ft (RKB - 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	G & D Hanks M-27-28HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #1 (8-02-17)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-179.85	-104.9	-0.3	104.9					
100.0	100.0	100.0	100.0	0.1	0.1	-179.85	-104.9	-0.3	104.9	104.7	0.22	466.782		
200.0	200.0	200.0	200.0	0.3	0.3	-179.85	-104.9	-0.3	104.9	104.2	0.67	155.594 CC, ES		
300.0	300.0	300.0	300.0	0.6	0.6	124.35	-104.9	-0.3	105.6	104.5	1.12	94.107		
400.0	399.9	399.9	399.9	0.8	0.8	126.04	-104.9	-0.3	107.9	106.3	1.58	68.437		
500.0	499.7	499.7	499.7	1.0	1.0	128.70	-104.9	-0.3	111.9	109.8	2.04	54.772		
600.0	599.3	599.3	599.3	1.3	1.2	132.10	-104.9	-0.3	117.8	115.3	2.52	46.733		
700.0	698.6	699.0	698.9	1.6	1.4	135.40	-105.0	1.0	125.9	122.9	3.00	41.978		
800.0	797.5	798.7	798.7	1.9	1.6	137.93	-105.4	4.9	135.9	132.4	3.48	39.010		
900.0	896.1	898.6	898.3	2.2	1.9	139.75	-106.0	11.3	147.6	143.6	3.99	36.956		
1,000.0	994.2	998.5	997.7	2.6	2.1	140.95	-106.9	20.4	160.9	156.3	4.54	35.464		
1,100.0	1,091.7	1,098.3	1,096.9	3.1	2.4	141.63	-108.1	32.0	175.7	170.6	5.12	34.311		
1,200.0	1,188.6	1,198.0	1,195.6	3.5	2.7	141.90	-109.4	46.2	192.0	186.2	5.76	33.357		
1,300.0	1,284.9	1,297.7	1,293.8	4.1	3.0	141.83	-111.1	63.0	209.7	203.2	6.45	32.515		
1,400.0	1,380.4	1,397.2	1,391.4	4.6	3.3	141.51	-112.9	82.2	228.8	221.6	7.21	31.733		
1,500.0	1,475.0	1,496.5	1,488.3	5.3	3.7	141.00	-115.1	103.9	249.4	241.3	8.05	30.983		
1,600.0	1,568.9	1,595.5	1,584.3	5.9	4.2	140.34	-117.4	128.1	271.4	262.4	8.97	30.255		
1,700.0	1,661.7	1,694.3	1,679.4	6.7	4.7	139.56	-120.0	154.7	294.8	284.8	9.98	29.544		
1,800.0	1,753.6	1,792.7	1,773.4	7.4	5.2	138.71	-122.8	183.6	319.6	308.5	11.08	28.850		
1,884.7	1,830.6	1,875.8	1,852.2	8.1	5.7	137.95	-125.4	209.8	341.8	329.7	12.09	28.275		
1,900.0	1,844.4	1,890.8	1,866.4	8.3	5.8	137.85	-125.8	214.8	345.9	333.6	12.28	28.173		
2,000.0	1,934.9	1,988.8	1,958.4	9.1	6.5	137.01	-129.1	248.3	372.4	358.8	13.58	27.417		
2,100.0	2,025.3	2,086.0	2,048.9	10.0	7.2	135.97	-132.5	283.5	398.6	383.6	14.97	26.630		
2,200.0	2,115.7	2,182.2	2,138.4	10.8	7.9	135.03	-136.0	318.8	424.8	408.5	16.38	25.933		
2,300.0	2,206.2	2,278.5	2,227.9	11.7	8.6	134.19	-139.4	354.0	451.2	433.4	17.82	25.326		
2,400.0	2,296.6	2,374.8	2,317.4	12.6	9.3	133.44	-142.8	389.3	477.6	458.4	19.26	24.795		
2,500.0	2,387.0	2,471.0	2,406.9	13.5	10.1	132.78	-146.2	424.5	504.2	483.4	20.72	24.328		
2,600.0	2,477.5	2,567.3	2,496.5	14.3	10.8	132.18	-149.7	459.7	530.7	508.5	22.19	23.915		
2,700.0	2,567.9	2,663.6	2,586.0	15.2	11.5	131.63	-153.1	495.0	557.3	533.7	23.67	23.548		
2,800.0	2,658.3	2,759.8	2,675.5	16.1	12.3	131.14	-156.5	530.2	584.0	558.9	25.15	23.221		
2,900.0	2,748.7	2,856.1	2,765.0	17.0	13.0	130.69	-160.0	565.5	610.7	584.1	26.64	22.926		
3,000.0	2,839.2	2,952.4	2,854.5	17.8	13.8	130.28	-163.4	600.7	637.4	609.3	28.13	22.661		
3,100.0	2,929.6	3,048.6	2,944.0	18.7	14.5	129.90	-166.8	635.9	664.2	634.6	29.62	22.421		
3,200.0	3,020.0	3,144.9	3,033.6	19.6	15.3	129.55	-170.2	671.2	691.0	659.8	31.12	22.202		
3,300.0	3,110.5	3,241.1	3,123.1	20.5	16.0	129.22	-173.7	706.4	717.8	685.1	32.62	22.002		
3,400.0	3,200.9	3,337.4	3,212.6	21.4	16.8	128.92	-177.1	741.7	744.6	710.5	34.12	21.820		
3,500.0	3,291.3	3,433.7	3,302.1	22.3	17.5	128.64	-180.5	776.9	771.4	735.8	35.63	21.652		
3,600.0	3,381.8	3,529.9	3,391.6	23.1	18.3	128.38	-184.0	812.1	798.3	761.2	37.14	21.496 SF		

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well G & D Hanks M-27-28HN
Project:	SEC.27-T7N-R66W	TVD Reference:	WELL @ 4899.0ft (RKB - 25')
Reference Site:	G & D Hanks 27-N Pad Sec.27-T7N-R66W	MD Reference:	WELL @ 4899.0ft (RKB - 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	G & D Hanks M-27-28HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #1 (8-02-17)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-179.87	-119.9	-0.3	119.9					
100.0	100.0	100.0	100.0	0.1	0.1	-179.87	-119.9	-0.3	119.9	119.6	0.22	533.238		
200.0	200.0	200.0	200.0	0.3	0.3	-179.87	-119.9	-0.3	119.9	119.2	0.67	177.746 CC, ES		
300.0	300.0	299.4	299.4	0.6	0.5	123.64	-120.1	1.0	120.8	119.7	1.11	108.944		
400.0	399.9	398.8	398.7	0.8	0.8	123.34	-120.8	4.8	123.7	122.1	1.55	79.646		
500.0	499.7	498.1	497.8	1.0	1.0	122.87	-121.9	11.2	128.5	126.4	2.03	63.366		
600.0	599.3	597.2	596.5	1.3	1.3	122.26	-123.5	20.0	135.1	132.6	2.54	53.247		
700.0	698.6	696.1	694.7	1.6	1.5	121.56	-125.6	31.4	143.8	140.7	3.09	46.458		
800.0	797.5	794.7	792.3	1.9	1.9	120.80	-128.0	45.2	154.3	150.6	3.70	41.644		
900.0	896.1	893.0	889.2	2.2	2.2	120.01	-131.0	61.4	166.7	162.3	4.38	38.089		
1,000.0	994.2	990.9	985.3	2.6	2.6	119.22	-134.3	80.0	181.0	175.9	5.12	35.379		
1,100.0	1,091.7	1,088.4	1,080.4	3.1	3.0	118.45	-138.1	100.9	197.3	191.3	5.93	33.259		
1,200.0	1,188.6	1,185.4	1,174.5	3.5	3.5	117.70	-142.2	124.1	215.3	208.5	6.82	31.567		
1,300.0	1,284.9	1,281.9	1,267.5	4.1	4.0	116.99	-146.8	149.5	235.3	227.5	7.79	30.193		
1,400.0	1,380.4	1,377.8	1,359.3	4.6	4.6	116.31	-151.8	177.0	257.0	248.2	8.84	29.060		
1,500.0	1,475.0	1,473.2	1,449.7	5.3	5.2	115.67	-157.1	206.6	280.6	270.6	9.98	28.116		
1,600.0	1,568.9	1,567.9	1,538.8	5.9	5.8	115.05	-162.8	238.2	305.9	294.7	11.20	27.323		
1,700.0	1,661.7	1,663.9	1,628.6	6.7	6.5	114.61	-168.8	271.7	332.7	320.2	12.49	26.631		
1,800.0	1,753.6	1,759.9	1,718.4	7.4	7.2	114.54	-174.8	305.1	360.6	346.8	13.84	26.055		
1,884.7	1,830.6	1,840.9	1,794.1	8.1	7.8	114.72	-179.9	333.4	385.1	370.1	15.01	25.647		
1,900.0	1,844.4	1,855.5	1,807.8	8.3	7.9	114.83	-180.8	338.5	389.6	374.3	15.23	25.576		
2,000.0	1,934.9	1,951.0	1,897.1	9.1	8.6	115.51	-186.8	371.8	419.0	402.3	16.66	25.150		
2,100.0	2,025.3	2,046.5	1,986.4	10.0	9.4	116.09	-192.8	405.1	448.4	430.3	18.09	24.784		
2,200.0	2,115.7	2,141.9	2,075.6	10.8	10.1	116.61	-198.8	438.4	477.9	458.3	19.53	24.467		
2,300.0	2,206.2	2,237.4	2,164.9	11.7	10.8	117.06	-204.8	471.7	507.4	486.4	20.97	24.191		
2,400.0	2,296.6	2,332.9	2,254.2	12.6	11.5	117.47	-210.8	505.0	536.9	514.5	22.42	23.948		
2,500.0	2,387.0	2,428.4	2,343.5	13.5	12.2	117.83	-216.8	538.3	566.4	542.6	23.87	23.733		
2,600.0	2,477.5	2,523.8	2,432.8	14.3	12.9	118.16	-222.8	571.6	596.0	570.7	25.32	23.541		
2,700.0	2,567.9	2,619.3	2,522.0	15.2	13.7	118.45	-228.8	604.9	625.6	598.8	26.77	23.370		
2,800.0	2,658.3	2,714.8	2,611.3	16.1	14.4	118.72	-234.8	638.2	655.2	626.9	28.22	23.215		
2,900.0	2,748.7	2,810.3	2,700.6	17.0	15.1	118.97	-240.8	671.5	684.8	655.1	29.67	23.076		
3,000.0	2,839.2	2,905.8	2,789.9	17.8	15.8	119.19	-246.7	704.8	714.4	683.3	31.13	22.949		
3,100.0	2,929.6	3,001.2	2,879.2	18.7	16.6	119.40	-252.7	738.1	744.0	711.4	32.58	22.833		
3,200.0	3,020.0	3,096.7	2,968.4	19.6	17.3	119.59	-258.7	771.4	773.6	739.6	34.04	22.727 SF		

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well G & D Hanks M-27-28HN
Project:	SEC.27-T7N-R66W	TVD Reference:	WELL @ 4899.0ft (RKB - 25')
Reference Site:	G & D Hanks 27-N Pad Sec.27-T7N-R66W	MD Reference:	WELL @ 4899.0ft (RKB - 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	G & D Hanks M-27-28HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #1 (8-02-17)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-179.88	-135.2	-0.3	135.2					
100.0	100.0	100.0	100.0	0.1	0.1	-179.88	-135.2	-0.3	135.2	134.9	0.22	601.316		
200.0	200.0	200.0	200.0	0.3	0.3	-179.88	-135.2	-0.3	135.2	134.5	0.67	200.439 CC, ES		
300.0	300.0	300.0	300.0	0.6	0.6	124.18	-135.2	-0.3	135.9	134.8	1.12	121.043		
400.0	399.9	399.9	399.9	0.8	0.8	125.50	-135.2	-0.3	138.1	136.6	1.58	87.612		
500.0	499.7	498.7	498.7	1.0	1.0	127.08	-135.6	0.9	142.4	140.3	2.02	70.314		
600.0	599.3	597.5	597.4	1.3	1.2	128.36	-136.8	4.6	149.0	146.5	2.48	59.977		
700.0	698.6	696.2	695.9	1.6	1.4	129.32	-138.9	10.6	157.9	154.9	2.97	53.062		
800.0	797.5	794.6	793.9	1.9	1.7	129.97	-141.7	19.0	169.0	165.5	3.50	48.223		
900.0	896.1	892.8	891.4	2.2	1.9	130.34	-145.4	29.8	182.4	178.3	4.08	44.698		
1,000.0	994.2	990.6	988.2	2.6	2.2	130.46	-149.9	42.8	198.0	193.3	4.71	42.036		
1,100.0	1,091.7	1,088.0	1,084.2	3.1	2.5	130.38	-155.1	58.2	215.7	210.3	5.40	39.959		
1,200.0	1,188.6	1,184.9	1,179.3	3.5	2.9	130.14	-161.1	75.8	235.6	229.5	6.15	38.292		
1,300.0	1,284.9	1,281.2	1,273.4	4.1	3.3	129.78	-167.9	95.5	257.6	250.7	6.98	36.922		
1,400.0	1,380.4	1,376.9	1,366.3	4.6	3.8	129.33	-175.3	117.3	281.8	273.9	7.88	35.774		
1,500.0	1,475.0	1,472.0	1,457.9	5.3	4.3	128.81	-183.4	141.1	308.0	299.1	8.85	34.797		
1,600.0	1,568.9	1,566.3	1,548.2	5.9	4.8	128.25	-192.2	166.9	336.3	326.4	9.90	33.959		
1,700.0	1,661.7	1,659.8	1,637.1	6.7	5.4	127.65	-201.7	194.5	366.6	355.5	11.03	33.224		
1,800.0	1,753.6	1,752.4	1,724.4	7.4	6.0	127.02	-211.7	223.9	398.9	386.7	12.24	32.585		
1,884.7	1,830.6	1,830.2	1,797.0	8.1	6.5	126.48	-220.7	250.2	427.8	414.5	13.32	32.108		
1,900.0	1,844.4	1,844.2	1,810.1	8.3	6.6	126.45	-222.3	255.0	433.2	419.6	13.53	32.018		
2,000.0	1,934.9	1,936.6	1,895.6	9.1	7.3	126.12	-233.6	288.1	468.4	453.5	14.90	31.446		
2,100.0	2,025.3	2,030.2	1,982.1	10.0	8.1	125.80	-245.1	321.7	503.7	487.4	16.29	30.912		
2,200.0	2,115.7	2,123.7	2,068.6	10.8	8.8	125.52	-256.6	355.4	539.0	521.3	17.71	30.440		
2,300.0	2,206.2	2,217.2	2,155.1	11.7	9.5	125.27	-268.1	389.1	574.4	555.2	19.13	30.022		
2,400.0	2,296.6	2,310.7	2,241.6	12.6	10.3	125.06	-279.6	422.8	609.7	589.1	20.56	29.650		
2,500.0	2,387.0	2,404.3	2,328.1	13.5	11.0	124.86	-291.1	456.4	645.0	623.0	22.00	29.319		
2,600.0	2,477.5	2,497.8	2,414.6	14.3	11.8	124.69	-302.6	490.1	680.4	656.9	23.44	29.021		
2,700.0	2,567.9	2,591.3	2,501.1	15.2	12.6	124.53	-314.1	523.8	715.7	690.9	24.89	28.754		
2,800.0	2,658.3	2,684.8	2,587.5	16.1	13.3	124.39	-325.6	557.5	751.1	724.8	26.34	28.511		
2,900.0	2,748.7	2,778.3	2,674.0	17.0	14.1	124.26	-337.1	591.1	786.5	758.7	27.80	28.292 SF		

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well G & D Hanks M-27-28HN
Project:	SEC.27-T7N-R66W	TVD Reference:	WELL @ 4899.0ft (RKB - 25')
Reference Site:	G & D Hanks 27-N Pad Sec.27-T7N-R66W	MD Reference:	WELL @ 4899.0ft (RKB - 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	G & D Hanks M-27-28HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #1 (8-02-17)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-179.79	-150.1	-0.6	150.1					
100.0	100.0	100.0	100.0	0.1	0.1	-179.79	-150.1	-0.6	150.1	149.9	0.22	667.793		
200.0	200.0	200.0	200.0	0.3	0.3	-179.79	-150.1	-0.6	150.1	149.4	0.67	222.598 CC, ES		
300.0	300.0	300.0	300.0	0.6	0.6	124.23	-150.1	-0.6	150.8	149.7	1.12	134.353		
400.0	399.9	399.9	399.9	0.8	0.8	125.42	-150.1	-0.6	153.1	151.5	1.58	97.091		
500.0	499.7	499.7	499.7	1.0	1.0	127.31	-150.1	-0.6	157.0	154.9	2.04	76.856		
600.0	599.3	599.3	599.3	1.3	1.2	129.80	-150.1	-0.6	162.7	160.2	2.52	64.526		
700.0	698.6	697.5	697.5	1.6	1.4	132.30	-150.6	0.6	170.8	167.8	2.99	57.021		
800.0	797.5	795.6	795.6	1.9	1.6	134.34	-152.1	4.0	181.6	178.1	3.48	52.223		
900.0	896.1	893.6	893.3	2.2	1.8	135.92	-154.6	9.8	194.9	190.9	3.99	48.879		
1,000.0	994.2	991.4	990.7	2.6	2.1	137.05	-158.1	17.8	210.7	206.2	4.53	46.478		
1,100.0	1,091.7	1,088.8	1,087.4	3.1	2.3	137.79	-162.5	28.1	228.9	223.8	5.12	44.693		
1,200.0	1,188.6	1,185.8	1,183.5	3.5	2.6	138.20	-167.9	40.6	249.4	243.7	5.76	43.306		
1,300.0	1,284.9	1,282.3	1,278.6	4.1	2.9	138.34	-174.3	55.2	272.2	265.7	6.45	42.180		
1,400.0	1,380.4	1,378.2	1,372.8	4.6	3.2	138.26	-181.5	71.9	297.2	290.0	7.21	41.225		
1,500.0	1,475.0	1,473.4	1,465.8	5.3	3.6	138.01	-189.7	90.7	324.4	316.3	8.03	40.386		
1,600.0	1,568.9	1,568.0	1,557.7	5.9	4.1	137.63	-198.7	111.4	353.7	344.8	8.92	39.631		
1,700.0	1,661.7	1,661.7	1,648.1	6.7	4.5	137.14	-208.4	133.9	385.2	375.3	9.89	38.946		
1,800.0	1,753.6	1,754.6	1,737.1	7.4	5.0	136.57	-219.0	158.3	418.8	407.8	10.93	38.302		
1,884.7	1,830.6	1,832.6	1,811.3	8.1	5.5	136.05	-228.6	180.3	448.8	437.0	11.87	37.805		
1,900.0	1,844.4	1,846.6	1,824.6	8.3	5.6	136.01	-230.3	184.4	454.4	442.4	12.05	37.708		
2,000.0	1,934.9	1,938.1	1,910.9	9.1	6.1	135.62	-242.4	212.3	491.0	477.8	13.25	37.063		
2,100.0	2,025.3	2,029.1	1,996.0	10.0	6.8	135.03	-255.3	241.8	528.0	513.5	14.51	36.384		
2,200.0	2,115.7	2,119.5	2,079.8	10.8	7.5	134.29	-268.8	273.1	565.4	549.5	15.84	35.697		
2,300.0	2,206.2	2,209.8	2,162.5	11.7	8.2	133.43	-283.1	306.0	603.2	585.9	17.23	35.017		
2,400.0	2,296.6	2,301.8	2,246.7	12.6	8.9	132.58	-298.0	340.3	641.2	622.6	18.66	34.362		
2,500.0	2,387.0	2,393.9	2,330.9	13.5	9.7	131.82	-312.8	374.5	679.4	659.3	20.11	33.787		
2,600.0	2,477.5	2,486.0	2,415.0	14.3	10.5	131.15	-327.7	408.8	717.7	696.1	21.57	33.279		
2,700.0	2,567.9	2,578.1	2,499.2	15.2	11.3	130.54	-342.6	443.1	756.0	733.0	23.03	32.830		
2,800.0	2,658.3	2,670.1	2,583.3	16.1	12.0	129.99	-357.4	477.3	794.5	770.0	24.50	32.429 SF		

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well G & D Hanks M-27-28HN
Project:	SEC.27-T7N-R66W	TVD Reference:	WELL @ 4899.0ft (RKB - 25')
Reference Site:	G & D Hanks 27-N Pad Sec.27-T7N-R66W	MD Reference:	WELL @ 4899.0ft (RKB - 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	G & D Hanks M-27-28HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #1 (8-02-17)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-179.81	-165.0	-0.6	165.0					
100.0	100.0	100.0	100.0	0.1	0.1	-179.81	-165.0	-0.6	165.0	164.8	0.22	734.250		
200.0	200.0	200.0	200.0	0.3	0.3	-179.81	-165.0	-0.6	165.0	164.4	0.67	244.750 CC, ES		
300.0	300.0	298.1	298.0	0.6	0.5	123.77	-165.6	0.6	166.3	165.2	1.10	150.785		
400.0	399.9	396.0	395.9	0.8	0.7	123.67	-167.3	3.9	170.3	168.7	1.54	110.440		
500.0	499.7	493.8	493.5	1.0	1.0	123.51	-170.2	9.5	176.8	174.8	2.01	87.964		
600.0	599.3	591.2	590.5	1.3	1.2	123.29	-174.2	17.2	186.0	183.5	2.51	74.042		
700.0	698.6	688.3	686.9	1.6	1.5	123.04	-179.3	27.1	197.8	194.7	3.05	64.760		
800.0	797.5	784.8	782.6	1.9	1.8	122.76	-185.5	39.1	212.1	208.5	3.64	58.235		
900.0	896.1	880.8	877.2	2.2	2.2	122.45	-192.8	53.2	229.0	224.7	4.28	53.463		
1,000.0	994.2	976.2	970.8	2.6	2.5	122.13	-201.1	69.3	248.4	243.4	4.98	49.864		
1,100.0	1,091.7	1,070.7	1,063.2	3.1	2.9	121.80	-210.4	87.2	270.3	264.6	5.74	47.081		
1,200.0	1,188.6	1,164.5	1,154.3	3.5	3.4	121.46	-220.6	107.1	294.7	288.1	6.57	44.885		
1,300.0	1,284.9	1,257.3	1,243.9	4.1	3.9	121.12	-231.8	128.6	321.5	314.0	7.45	43.124		
1,400.0	1,380.4	1,349.2	1,331.9	4.6	4.4	120.76	-243.8	151.9	350.7	342.2	8.41	41.696		
1,500.0	1,475.0	1,440.1	1,418.4	5.3	5.0	120.40	-256.6	176.7	382.2	372.7	9.43	40.508		
1,600.0	1,568.9	1,529.8	1,503.1	5.9	5.6	120.03	-270.2	203.0	416.0	405.5	10.52	39.529		
1,700.0	1,661.7	1,618.4	1,586.1	6.7	6.2	119.66	-284.5	230.7	452.0	440.3	11.68	38.706		
1,800.0	1,753.6	1,705.9	1,667.2	7.4	6.9	119.27	-299.5	259.8	490.3	477.4	12.90	38.011		
1,884.7	1,830.6	1,778.9	1,734.4	8.1	7.5	118.93	-312.7	285.3	524.3	510.3	13.99	37.490		
1,900.0	1,844.4	1,792.1	1,746.4	8.3	7.6	118.95	-315.1	290.0	530.6	516.4	14.19	37.399		
2,000.0	1,934.9	1,881.7	1,828.2	9.1	8.3	119.05	-332.0	322.6	572.1	556.5	15.57	36.746		
2,100.0	2,025.3	1,972.7	1,911.2	10.0	9.1	119.14	-349.1	355.7	613.6	596.6	16.97	36.154		
2,200.0	2,115.7	2,063.7	1,994.2	10.8	9.9	119.21	-366.2	388.8	655.0	636.7	18.38	35.633		
2,300.0	2,206.2	2,154.7	2,077.2	11.7	10.7	119.28	-383.3	422.0	696.5	676.7	19.80	35.172		
2,400.0	2,296.6	2,245.7	2,160.2	12.6	11.5	119.33	-400.4	455.1	738.0	716.8	21.23	34.762		
2,500.0	2,387.0	2,336.7	2,243.2	13.5	12.3	119.39	-417.6	488.2	779.5	756.8	22.66	34.396 SF		

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well G & D Hanks M-27-28HN
Project:	SEC.27-T7N-R66W	TVD Reference:	WELL @ 4899.0ft (RKB - 25')
Reference Site:	G & D Hanks 27-N Pad Sec.27-T7N-R66W	MD Reference:	WELL @ 4899.0ft (RKB - 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	G & D Hanks M-27-28HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #1 (8-02-17)	Offset TVD Reference:	Offset Datum

Offset Design		G & D HANKS PAD Sec.27-T7N-R66W - G&D HANKS 20-27 - Wellbore #1 - Wellbore #1											Offset Site Error:		0.0 ft
Survey Program:		886-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)				
0.0	0.0	0.0	0.0	0.0	0.0	-115.50	-237.2	-497.2	550.9						
100.0	100.0	94.2	94.2	0.1	0.1	-115.50	-237.2	-497.2	550.9	550.7	0.22	2,520.903			
200.0	200.0	194.3	194.3	0.3	0.2	-115.51	-237.3	-497.1	550.8	550.3	0.56	990.717			
202.4	202.4	196.8	196.8	0.3	0.2	-171.90	-237.3	-497.1	550.8	550.3	0.56	975.716	CC, ES		
300.0	300.0	294.5	294.5	0.6	0.3	-171.94	-237.4	-497.0	552.1	551.2	0.89	617.789			
400.0	399.9	394.6	394.6	0.8	0.4	-172.01	-237.6	-496.8	555.8	554.6	1.23	450.292			
500.0	499.7	494.6	494.6	1.0	0.6	-172.12	-237.8	-496.5	562.2	560.6	1.58	355.517			
600.0	599.3	594.3	594.3	1.3	0.7	-172.27	-238.1	-496.2	571.1	569.1	1.93	295.178			
700.0	698.6	693.8	693.8	1.6	0.8	-172.45	-238.4	-495.8	582.5	580.2	2.30	253.742			
800.0	797.5	793.0	793.0	1.9	0.9	-172.65	-238.8	-495.3	596.5	593.8	2.67	223.763			
900.0	896.1	891.8	891.8	2.2	1.0	-172.88	-239.2	-494.8	613.1	610.0	3.05	200.934			
1,000.0	994.2	989.7	989.7	2.6	1.2	-173.14	-239.7	-494.3	632.2	628.7	3.52	179.683			
1,100.0	1,091.7	1,089.9	1,089.9	3.1	1.5	-173.42	-240.5	-493.6	653.8	649.8	3.99	163.740			
1,200.0	1,188.6	1,207.4	1,207.3	3.5	1.7	-173.84	-241.1	-490.6	676.3	671.9	4.49	150.612			
1,300.0	1,284.9	1,339.0	1,338.7	4.1	2.0	-174.40	-240.4	-482.1	697.6	692.6	5.01	139.238			
1,400.0	1,380.4	1,465.5	1,464.4	4.6	2.3	-174.90	-236.6	-468.9	716.9	711.3	5.53	129.684			
1,500.0	1,475.0	1,596.0	1,593.4	5.3	2.7	-175.43	-230.2	-450.6	734.6	728.6	6.08	120.825			
1,600.0	1,568.9	1,723.9	1,718.9	5.9	3.1	-175.96	-221.5	-427.6	750.7	744.1	6.64	112.986			
1,700.0	1,661.7	1,830.5	1,823.0	6.7	3.5	-176.42	-213.3	-406.1	767.0	759.8	7.19	106.732			
1,800.0	1,753.6	1,927.8	1,918.0	7.4	3.8	-176.83	-205.6	-386.2	785.5	777.8	7.70	101.966	SF		

Reference Depths are relative to WELL @ 4899.0ft (RKB - 25')	Coordinates are relative to: G & D Hanks M-27-28HN
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: 0.48°



Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well G & D Hanks M-27-28HN
Project:	SEC.27-T7N-R66W	TVD Reference:	WELL @ 4899.0ft (RKB - 25')
Reference Site:	G & D Hanks 27-N Pad Sec.27-T7N-R66W	MD Reference:	WELL @ 4899.0ft (RKB - 25')
Site Error:	0.0 ft	North Reference:	True
Reference Well:	G & D Hanks M-27-28HN	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	US_EDM
Reference Design:	Plan #1 (8-02-17)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 4899.0ft (RKB - 25')

Offset Depths are relative to Offset Datum

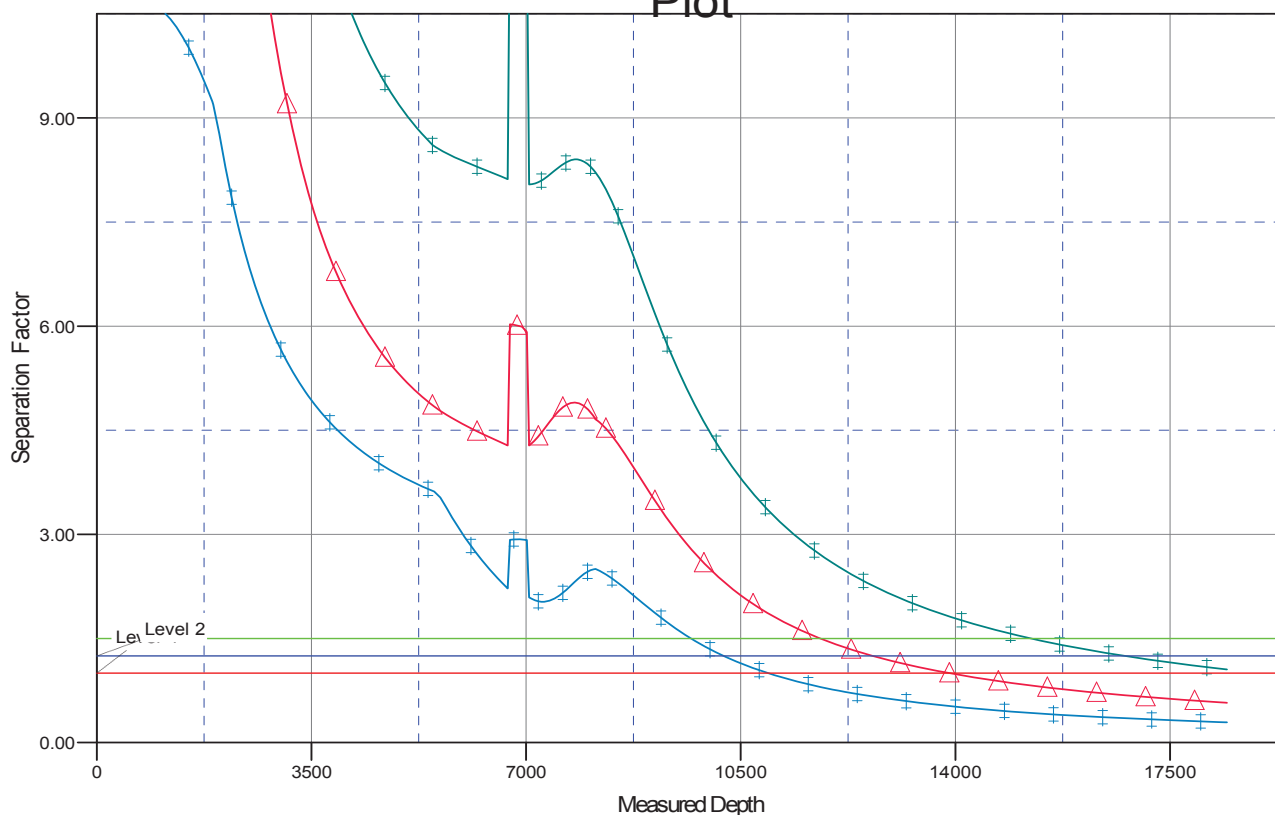
Central Meridian is -105.500000

Coordinates are relative to: G & D Hanks M-27-28HN

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.48°

Separation Factor Plot



LEGEND

S 20-27, Wellbore #1, Wellbore #1 V0	G & D Hanks Q-27-28HC, Wellbore #1, Plan #1 (8-02-17) V0	G & D Hanks W-27-28HC, Wellbore #1, Plan #1 (8-02-17) V0
S 20-27-28HN, Wellbore #1, Plan #1 (8-02-17) V0	G & D Hanks U-27-28HN, Wellbore #1, Plan #1 (8-02-17) V0	G & D Hanks T-27-28HC, Wellbore #1, Plan #1 (8-02-17) V0
S 20-27-28HC, Wellbore #1, Plan #1 (8-02-17) V0	G & D Hanks P-27-28HN, Wellbore #1, Plan #1 (8-02-17) V0	G & D Hanks R-27-28HN, Wellbore #1, Plan #1 (8-02-17) V0
S 20-27-28HN, Wellbore #1, Plan #1 (8-02-17) V0	G & D Hanks X-27-28HN, Wellbore #1, Plan #1 (8-02-17) V0	G & D Hanks S-27-28HN, Wellbore #1, Plan #1 (8-02-17) V0