Bayswater Exploration & Production, LLC

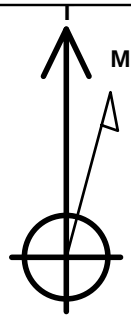
Well Name: **G & D Hanks R-27-28HN**
Surface Location: G & D Hanks 27-N Pad Sec.27-T7N-R66W
North American Datum 1983 , US State Plane 1983, Colorado Northern Zone
Ground Elevation: 4874.0

+N/-S	+E/-W	Northing	Easting	Latittude	Longitude	Slot
0.0	0.0	1441167.37	3205704.01	40.542048	-104.759854	

RKB - 25' WELL @ 4899.0ft (RKB - 25')

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 1213'FSL, 1575'FEL, SEC.27	1.0	0.0	0.0	Point
LPL 1480'FSL, 470'FEL, SEC.27	7209.0	279.8	1102.6	Point
BHL 1480'FSL, 5'FWL, SEC.28	7269.0	166.8	-9233.5	Point



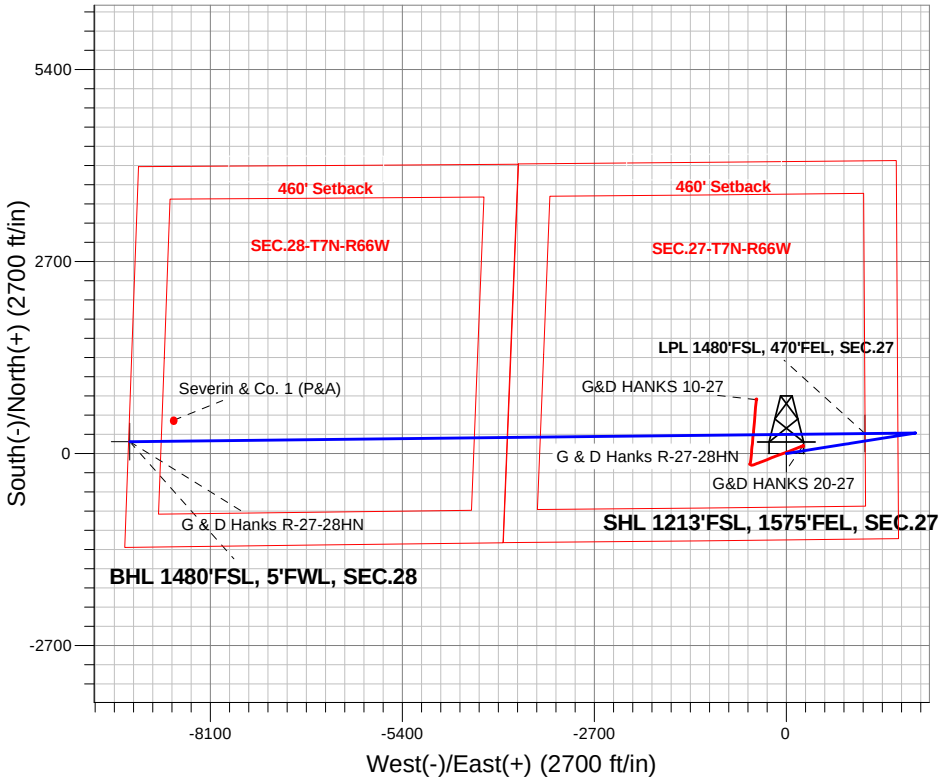
Azimuths to True North
Magnetic North: 8.04°

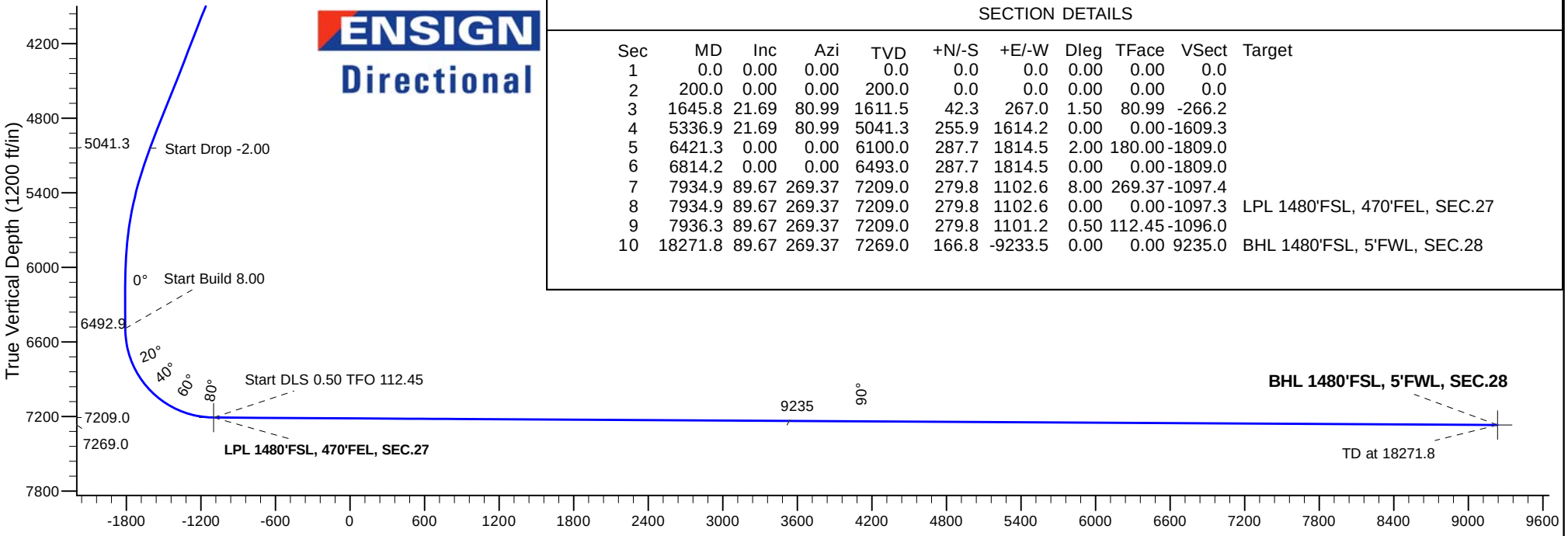
Magnetic Field
Strength: 52559.1snT
Dip Angle: 66.95°
Date: 8/4/2017
Model: IGRF2010

G & D Hanks 27-N Pad Sec.27-T7N-R66W
G & D Hanks R-27-28HN
Plan #1 (8-02-17)
7:06, August 04 2017

ANNOTATIONS

TVD	MD	Annotation
200.0	200.0	KOP - Start Build 1.50
5041.3	5336.9	Start Drop -2.00
6493.0	6814.2	Start Build 8.00
7209.0	7934.9	Start DLS 0.50 TFO 112.45
7209.0	7936.3	Start 10335.5 hold at 7936.3 MD
7269.0	18271.8	TD at 18271.8





SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.0	
3	1645.8	21.69	80.99	1611.5	42.3	267.0	1.50	80.99	-266.2	
4	5336.9	21.69	80.99	5041.3	255.9	1614.2	0.00	0.00	-1609.3	
5	6421.3	0.00	0.00	6100.0	287.7	1814.5	2.00	180.00	-1809.0	
6	6814.2	0.00	0.00	6493.0	287.7	1814.5	0.00	0.00	-1809.0	
7	7934.9	89.67	269.37	7209.0	279.8	1102.6	8.00	269.37	-1097.4	
8	7934.9	89.67	269.37	7209.0	279.8	1102.6	0.00	0.00	-1097.3	LPL 1480'FSL, 470'FEL, SEC.27
9	7936.3	89.67	269.37	7209.0	279.8	1101.2	0.50	112.45	-1096.0	
10	18271.8	89.67	269.37	7269.0	166.8	-9233.5	0.00	0.00	9235.0	BHL 1480'FSL, 5'FWL, SEC.28

ENSIGN Directional

Bayswater Exploration & Production, LLC

SEC.27-T7N-R66W
G & D Hanks 27-N Pad Sec.27-T7N-R66W
G & D Hanks R-27-28HN

Wellbore #1

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

Standard Planning Report

04 August, 2017

BAYSWATER EXPLORATION & PRODUCTION, LLC

Database:	US_EDM	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 R-27-28HN

Well Position	**+N/-S**	-75.1 ft	**Northing:**	1,441,167.37 usft	**Latitude:**	40.542048
	+E/-W	-0.3 ft	**Easting:**	3,205,704.01 usft	**Longitude:**	-104.759854
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	8/4/2017	8.04	66.95	52,559

Design Plan #1 (8-02-17)

Audit Notes:					
Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	271.03

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	
1,645.8	21.69	80.99	1,611.5	42.3	267.0	1.50	1.50	0.00	80.99	
5,336.9	21.69	80.99	5,041.3	255.9	1,614.2	0.00	0.00	0.00	0.00	
6,421.3	0.00	0.00	6,100.0	287.7	1,814.5	2.00	-2.00	0.00	180.00	
6,814.2	0.00	0.00	6,493.0	287.7	1,814.5	0.00	0.00	0.00	0.00	
7,934.9	89.67	269.37	7,209.0	279.8	1,102.6	8.00	8.00	0.00	269.37	
7,934.9	89.67	269.37	7,209.0	279.8	1,102.6	0.00	0.00	0.00	0.00	LPL 1480'FSL, 470'FE
7,936.3	89.67	269.37	7,209.0	279.8	1,101.2	0.50	-0.19	0.46	112.45	
18,271.8	89.67	269.37	7,269.0	166.8	-9,233.5	0.00	0.00	0.00	0.00	BHL 1480'FSL, 5'FWL

Database:	US_EDM	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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	80.99	300.0	0.2	1.3	-1.3	1.50	1.50	0.00
400.0	3.00	80.99	399.9	0.8	5.2	-5.2	1.50	1.50	0.00
500.0	4.50	80.99	499.7	1.8	11.6	-11.6	1.50	1.50	0.00
600.0	6.00	80.99	599.3	3.3	20.7	-20.6	1.50	1.50	0.00
700.0	7.50	80.99	698.6	5.1	32.3	-32.2	1.50	1.50	0.00
800.0	9.00	80.99	797.5	7.4	46.4	-46.3	1.50	1.50	0.00
900.0	10.50	80.99	896.1	10.0	63.2	-63.0	1.50	1.50	0.00
1,000.0	12.00	80.99	994.2	13.1	82.4	-82.2	1.50	1.50	0.00
1,100.0	13.50	80.99	1,091.7	16.5	104.2	-103.9	1.50	1.50	0.00
1,200.0	15.00	80.99	1,188.6	20.4	128.5	-128.2	1.50	1.50	0.00
1,300.0	16.50	80.99	1,284.9	24.6	155.4	-154.9	1.50	1.50	0.00
1,400.0	18.00	80.99	1,380.4	29.3	184.6	-184.1	1.50	1.50	0.00
1,500.0	19.50	80.99	1,475.0	34.3	216.4	-215.7	1.50	1.50	0.00
1,600.0	21.00	80.99	1,568.9	39.7	250.6	-249.8	1.50	1.50	0.00
1,645.8	21.69	80.99	1,611.5	42.3	267.0	-266.2	1.50	1.50	0.00
1,700.0	21.69	80.99	1,661.9	45.5	286.8	-286.0	0.00	0.00	0.00
1,800.0	21.69	80.99	1,754.8	51.3	323.3	-322.3	0.00	0.00	0.00
1,900.0	21.69	80.99	1,847.7	57.1	359.8	-358.7	0.00	0.00	0.00
2,000.0	21.69	80.99	1,940.7	62.8	396.3	-395.1	0.00	0.00	0.00
2,100.0	21.69	80.99	2,033.6	68.6	432.8	-431.5	0.00	0.00	0.00
2,200.0	21.69	80.99	2,126.5	74.4	469.3	-467.9	0.00	0.00	0.00
2,300.0	21.69	80.99	2,219.4	80.2	505.8	-504.3	0.00	0.00	0.00
2,400.0	21.69	80.99	2,312.3	86.0	542.3	-540.7	0.00	0.00	0.00
2,500.0	21.69	80.99	2,405.3	91.8	578.8	-577.1	0.00	0.00	0.00
2,600.0	21.69	80.99	2,498.2	97.6	615.3	-613.4	0.00	0.00	0.00
2,700.0	21.69	80.99	2,591.1	103.3	651.8	-649.8	0.00	0.00	0.00
2,800.0	21.69	80.99	2,684.0	109.1	688.3	-686.2	0.00	0.00	0.00
2,900.0	21.69	80.99	2,776.9	114.9	724.8	-722.6	0.00	0.00	0.00
3,000.0	21.69	80.99	2,869.9	120.7	761.3	-759.0	0.00	0.00	0.00
3,100.0	21.69	80.99	2,962.8	126.5	797.8	-795.4	0.00	0.00	0.00
3,200.0	21.69	80.99	3,055.7	132.3	834.3	-831.8	0.00	0.00	0.00
3,300.0	21.69	80.99	3,148.6	138.1	870.8	-868.2	0.00	0.00	0.00
3,400.0	21.69	80.99	3,241.6	143.9	907.3	-904.5	0.00	0.00	0.00
3,500.0	21.69	80.99	3,334.5	149.6	943.8	-940.9	0.00	0.00	0.00
3,600.0	21.69	80.99	3,427.4	155.4	980.3	-977.3	0.00	0.00	0.00
3,700.0	21.69	80.99	3,520.3	161.2	1,016.8	-1,013.7	0.00	0.00	0.00
3,800.0	21.69	80.99	3,613.2	167.0	1,053.3	-1,050.1	0.00	0.00	0.00
3,900.0	21.69	80.99	3,706.2	172.8	1,089.8	-1,086.5	0.00	0.00	0.00
4,000.0	21.69	80.99	3,799.1	178.6	1,126.3	-1,122.9	0.00	0.00	0.00
4,100.0	21.69	80.99	3,892.0	184.4	1,162.8	-1,159.3	0.00	0.00	0.00
4,200.0	21.69	80.99	3,984.9	190.2	1,199.3	-1,195.6	0.00	0.00	0.00
4,300.0	21.69	80.99	4,077.8	195.9	1,235.8	-1,232.0	0.00	0.00	0.00
4,400.0	21.69	80.99	4,170.8	201.7	1,272.3	-1,268.4	0.00	0.00	0.00
4,500.0	21.69	80.99	4,263.7	207.5	1,308.8	-1,304.8	0.00	0.00	0.00
4,600.0	21.69	80.99	4,356.6	213.3	1,345.3	-1,341.2	0.00	0.00	0.00
4,700.0	21.69	80.99	4,449.5	219.1	1,381.8	-1,377.6	0.00	0.00	0.00
4,800.0	21.69	80.99	4,542.5	224.9	1,418.3	-1,414.0	0.00	0.00	0.00
4,900.0	21.69	80.99	4,635.4	230.7	1,454.8	-1,450.4	0.00	0.00	0.00
5,000.0	21.69	80.99	4,728.3	236.4	1,491.3	-1,486.7	0.00	0.00	0.00
5,100.0	21.69	80.99	4,821.2	242.2	1,527.8	-1,523.1	0.00	0.00	0.00

Database:	US_EDM	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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	21.69	80.99	4,914.1	248.0	1,564.3	-1,559.5	0.00	0.00	0.00
5,300.0	21.69	80.99	5,007.1	253.8	1,600.8	-1,595.9	0.00	0.00	0.00
5,336.9	21.69	80.99	5,041.3	255.9	1,614.2	-1,609.3	0.00	0.00	0.00
Start Drop -2.00									
5,400.0	20.43	80.99	5,100.2	259.5	1,636.6	-1,631.7	2.00	-2.00	0.00
5,500.0	18.43	80.99	5,194.5	264.7	1,669.5	-1,664.4	2.00	-2.00	0.00
5,600.0	16.43	80.99	5,289.9	269.4	1,699.0	-1,693.9	2.00	-2.00	0.00
5,700.0	14.43	80.99	5,386.3	273.6	1,725.3	-1,720.1	2.00	-2.00	0.00
5,800.0	12.43	80.99	5,483.6	277.2	1,748.2	-1,742.9	2.00	-2.00	0.00
5,900.0	10.43	80.99	5,581.6	280.3	1,767.8	-1,762.4	2.00	-2.00	0.00
6,000.0	8.43	80.99	5,680.3	282.9	1,784.0	-1,778.6	2.00	-2.00	0.00
6,100.0	6.43	80.99	5,779.4	284.9	1,796.7	-1,791.3	2.00	-2.00	0.00
6,200.0	4.43	80.99	5,879.0	286.4	1,806.1	-1,800.6	2.00	-2.00	0.00
6,300.0	2.43	80.99	5,978.8	287.3	1,812.0	-1,806.5	2.00	-2.00	0.00
6,400.0	0.43	80.99	6,078.7	287.7	1,814.4	-1,808.9	2.00	-2.00	0.00
6,421.3	0.00	0.00	6,100.0	287.7	1,814.5	-1,809.0	2.00	-2.00	0.00
6,500.0	0.00	0.00	6,178.7	287.7	1,814.5	-1,809.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,278.7	287.7	1,814.5	-1,809.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,378.7	287.7	1,814.5	-1,809.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,478.7	287.7	1,814.5	-1,809.0	0.00	0.00	0.00
6,814.2	0.00	0.00	6,492.9	287.7	1,814.5	-1,809.0	0.00	0.00	0.00
Start Build 8.00									
6,900.0	6.86	269.37	6,578.5	287.6	1,809.4	-1,803.9	8.00	8.00	0.00
7,000.0	14.86	269.37	6,676.7	287.4	1,790.5	-1,785.1	8.00	8.00	0.00
7,100.0	22.87	269.37	6,771.2	287.1	1,758.2	-1,752.8	8.00	8.00	0.00
7,200.0	30.87	269.37	6,860.3	286.6	1,713.1	-1,707.6	8.00	8.00	0.00
7,300.0	38.87	269.37	6,942.3	285.9	1,656.0	-1,650.5	8.00	8.00	0.00
7,400.0	46.87	269.37	7,015.6	285.2	1,588.0	-1,582.6	8.00	8.00	0.00
7,500.0	54.87	269.37	7,078.6	284.3	1,510.5	-1,505.1	8.00	8.00	0.00
7,600.0	62.88	269.37	7,130.3	283.4	1,424.9	-1,419.6	8.00	8.00	0.00
7,700.0	70.88	269.37	7,169.5	282.4	1,333.1	-1,327.7	8.00	8.00	0.00
7,800.0	78.88	269.37	7,195.6	281.3	1,236.6	-1,231.3	8.00	8.00	0.00
7,900.0	86.88	269.37	7,208.0	280.2	1,137.5	-1,132.2	8.00	8.00	0.00
7,934.9	89.67	269.37	7,209.0	279.8	1,102.6	-1,097.4	7.99	7.99	0.00
Start DLS 0.50 TFO 112.45									
7,934.9	89.67	269.37	7,209.0	279.8	1,102.6	-1,097.3	0.00	0.00	0.00
7,936.3	89.67	269.37	7,209.0	279.8	1,101.2	-1,096.0	0.49	-0.19	0.45
Start 10335.5 hold at 7936.3 MD									
8,000.0	89.67	269.37	7,209.4	279.1	1,037.5	-1,032.3	0.00	0.00	0.00
8,100.0	89.67	269.37	7,210.0	278.0	937.5	-932.3	0.00	0.00	0.00
8,200.0	89.67	269.37	7,210.5	276.9	837.5	-832.4	0.00	0.00	0.00
8,300.0	89.67	269.37	7,211.1	275.8	737.5	-732.4	0.00	0.00	0.00
8,400.0	89.67	269.37	7,211.7	274.7	637.5	-632.5	0.00	0.00	0.00
8,500.0	89.67	269.37	7,212.3	273.7	537.5	-532.5	0.00	0.00	0.00
8,600.0	89.67	269.37	7,212.9	272.6	437.5	-432.5	0.00	0.00	0.00
8,700.0	89.67	269.37	7,213.4	271.5	337.5	-332.6	0.00	0.00	0.00
8,800.0	89.67	269.37	7,214.0	270.4	237.6	-232.6	0.00	0.00	0.00
8,900.0	89.67	269.37	7,214.6	269.3	137.6	-132.7	0.00	0.00	0.00
9,000.0	89.67	269.37	7,215.2	268.2	37.6	-32.7	0.00	0.00	0.00
9,100.0	89.67	269.37	7,215.8	267.1	-62.4	67.2	0.00	0.00	0.00
9,200.0	89.67	269.37	7,216.3	266.0	-162.4	167.2	0.00	0.00	0.00
9,300.0	89.67	269.37	7,216.9	264.9	-262.4	267.1	0.00	0.00	0.00
9,400.0	89.67	269.37	7,217.5	263.8	-362.4	367.1	0.00	0.00	0.00

Database:	US_EDM	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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	89.67	269.37	7,218.1	262.7	-462.4	467.1	0.00	0.00	0.00
9,600.0	89.67	269.37	7,218.7	261.6	-562.4	567.0	0.00	0.00	0.00
9,700.0	89.67	269.37	7,219.2	260.5	-662.4	667.0	0.00	0.00	0.00
9,800.0	89.67	269.37	7,219.8	259.4	-762.4	766.9	0.00	0.00	0.00
9,900.0	89.67	269.37	7,220.4	258.3	-862.4	866.9	0.00	0.00	0.00
10,000.0	89.67	269.37	7,221.0	257.2	-962.4	966.8	0.00	0.00	0.00
10,100.0	89.67	269.37	7,221.6	256.2	-1,062.3	1,066.8	0.00	0.00	0.00
10,200.0	89.67	269.37	7,222.1	255.1	-1,162.3	1,166.8	0.00	0.00	0.00
10,300.0	89.67	269.37	7,222.7	254.0	-1,262.3	1,266.7	0.00	0.00	0.00
10,400.0	89.67	269.37	7,223.3	252.9	-1,362.3	1,366.7	0.00	0.00	0.00
10,500.0	89.67	269.37	7,223.9	251.8	-1,462.3	1,466.6	0.00	0.00	0.00
10,600.0	89.67	269.37	7,224.5	250.7	-1,562.3	1,566.6	0.00	0.00	0.00
10,700.0	89.67	269.37	7,225.0	249.6	-1,662.3	1,666.5	0.00	0.00	0.00
10,800.0	89.67	269.37	7,225.6	248.5	-1,762.3	1,766.5	0.00	0.00	0.00
10,900.0	89.67	269.37	7,226.2	247.4	-1,862.3	1,866.4	0.00	0.00	0.00
11,000.0	89.67	269.37	7,226.8	246.3	-1,962.3	1,966.4	0.00	0.00	0.00
11,100.0	89.67	269.37	7,227.4	245.2	-2,062.3	2,066.4	0.00	0.00	0.00
11,200.0	89.67	269.37	7,228.0	244.1	-2,162.3	2,166.3	0.00	0.00	0.00
11,300.0	89.67	269.37	7,228.5	243.0	-2,262.3	2,266.3	0.00	0.00	0.00
11,400.0	89.67	269.37	7,229.1	241.9	-2,362.2	2,366.2	0.00	0.00	0.00
11,500.0	89.67	269.37	7,229.7	240.8	-2,462.2	2,466.2	0.00	0.00	0.00
11,600.0	89.67	269.37	7,230.3	239.7	-2,562.2	2,566.1	0.00	0.00	0.00
11,700.0	89.67	269.37	7,230.9	238.7	-2,662.2	2,666.1	0.00	0.00	0.00
11,800.0	89.67	269.37	7,231.4	237.6	-2,762.2	2,766.1	0.00	0.00	0.00
11,900.0	89.67	269.37	7,232.0	236.5	-2,862.2	2,866.0	0.00	0.00	0.00
12,000.0	89.67	269.37	7,232.6	235.4	-2,962.2	2,966.0	0.00	0.00	0.00
12,100.0	89.67	269.37	7,233.2	234.3	-3,062.2	3,065.9	0.00	0.00	0.00
12,200.0	89.67	269.37	7,233.8	233.2	-3,162.2	3,165.9	0.00	0.00	0.00
12,300.0	89.67	269.37	7,234.3	232.1	-3,262.2	3,265.8	0.00	0.00	0.00
12,400.0	89.67	269.37	7,234.9	231.0	-3,362.2	3,365.8	0.00	0.00	0.00
12,500.0	89.67	269.37	7,235.5	229.9	-3,462.2	3,465.7	0.00	0.00	0.00
12,600.0	89.67	269.37	7,236.1	228.8	-3,562.2	3,565.7	0.00	0.00	0.00
12,700.0	89.67	269.37	7,236.7	227.7	-3,662.1	3,665.7	0.00	0.00	0.00
12,800.0	89.67	269.37	7,237.2	226.6	-3,762.1	3,765.6	0.00	0.00	0.00
12,900.0	89.67	269.37	7,237.8	225.5	-3,862.1	3,865.6	0.00	0.00	0.00
13,000.0	89.67	269.37	7,238.4	224.4	-3,962.1	3,965.5	0.00	0.00	0.00
13,100.0	89.67	269.37	7,239.0	223.3	-4,062.1	4,065.5	0.00	0.00	0.00
13,200.0	89.67	269.37	7,239.6	222.3	-4,162.1	4,165.4	0.00	0.00	0.00
13,300.0	89.67	269.37	7,240.1	221.2	-4,262.1	4,265.4	0.00	0.00	0.00
13,400.0	89.67	269.37	7,240.7	220.1	-4,362.1	4,365.4	0.00	0.00	0.00
13,500.0	89.67	269.37	7,241.3	219.0	-4,462.1	4,465.3	0.00	0.00	0.00
13,600.0	89.67	269.37	7,241.9	217.9	-4,562.1	4,565.3	0.00	0.00	0.00
13,700.0	89.67	269.37	7,242.5	216.8	-4,662.1	4,665.2	0.00	0.00	0.00
13,800.0	89.67	269.37	7,243.0	215.7	-4,762.1	4,765.2	0.00	0.00	0.00
13,900.0	89.67	269.37	7,243.6	214.6	-4,862.1	4,865.1	0.00	0.00	0.00
14,000.0	89.67	269.37	7,244.2	213.5	-4,962.0	4,965.1	0.00	0.00	0.00
14,100.0	89.67	269.37	7,244.8	212.4	-5,062.0	5,065.0	0.00	0.00	0.00
14,200.0	89.67	269.37	7,245.4	211.3	-5,162.0	5,165.0	0.00	0.00	0.00
14,300.0	89.67	269.37	7,245.9	210.2	-5,262.0	5,265.0	0.00	0.00	0.00
14,400.0	89.67	269.37	7,246.5	209.1	-5,362.0	5,364.9	0.00	0.00	0.00
14,500.0	89.67	269.37	7,247.1	208.0	-5,462.0	5,464.9	0.00	0.00	0.00
14,600.0	89.67	269.37	7,247.7	206.9	-5,562.0	5,564.8	0.00	0.00	0.00
14,700.0	89.67	269.37	7,248.3	205.8	-5,662.0	5,664.8	0.00	0.00	0.00
14,800.0	89.67	269.37	7,248.8	204.8	-5,762.0	5,764.7	0.00	0.00	0.00

Database:	US_EDM	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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	89.67	269.37	7,249.4	203.7	-5,862.0	5,864.7	0.00	0.00	0.00
15,000.0	89.67	269.37	7,250.0	202.6	-5,962.0	5,964.7	0.00	0.00	0.00
15,100.0	89.67	269.37	7,250.6	201.5	-6,062.0	6,064.6	0.00	0.00	0.00
15,200.0	89.67	269.37	7,251.2	200.4	-6,162.0	6,164.6	0.00	0.00	0.00
15,300.0	89.67	269.37	7,251.8	199.3	-6,261.9	6,264.5	0.00	0.00	0.00
15,400.0	89.67	269.37	7,252.3	198.2	-6,361.9	6,364.5	0.00	0.00	0.00
15,500.0	89.67	269.37	7,252.9	197.1	-6,461.9	6,464.4	0.00	0.00	0.00
15,600.0	89.67	269.37	7,253.5	196.0	-6,561.9	6,564.4	0.00	0.00	0.00
15,700.0	89.67	269.37	7,254.1	194.9	-6,661.9	6,664.4	0.00	0.00	0.00
15,800.0	89.67	269.37	7,254.7	193.8	-6,761.9	6,764.3	0.00	0.00	0.00
15,900.0	89.67	269.37	7,255.2	192.7	-6,861.9	6,864.3	0.00	0.00	0.00
16,000.0	89.67	269.37	7,255.8	191.6	-6,961.9	6,964.2	0.00	0.00	0.00
16,100.0	89.67	269.37	7,256.4	190.5	-7,061.9	7,064.2	0.00	0.00	0.00
16,200.0	89.67	269.37	7,257.0	189.4	-7,161.9	7,164.1	0.00	0.00	0.00
16,300.0	89.67	269.37	7,257.6	188.3	-7,261.9	7,264.1	0.00	0.00	0.00
16,400.0	89.67	269.37	7,258.1	187.3	-7,361.9	7,364.0	0.00	0.00	0.00
16,500.0	89.67	269.37	7,258.7	186.2	-7,461.9	7,464.0	0.00	0.00	0.00
16,600.0	89.67	269.37	7,259.3	185.1	-7,561.8	7,564.0	0.00	0.00	0.00
16,700.0	89.67	269.37	7,259.9	184.0	-7,661.8	7,663.9	0.00	0.00	0.00
16,800.0	89.67	269.37	7,260.5	182.9	-7,761.8	7,763.9	0.00	0.00	0.00
16,900.0	89.67	269.37	7,261.0	181.8	-7,861.8	7,863.8	0.00	0.00	0.00
17,000.0	89.67	269.37	7,261.6	180.7	-7,961.8	7,963.8	0.00	0.00	0.00
17,100.0	89.67	269.37	7,262.2	179.6	-8,061.8	8,063.7	0.00	0.00	0.00
17,200.0	89.67	269.37	7,262.8	178.5	-8,161.8	8,163.7	0.00	0.00	0.00
17,300.0	89.67	269.37	7,263.4	177.4	-8,261.8	8,263.7	0.00	0.00	0.00
17,400.0	89.67	269.37	7,263.9	176.3	-8,361.8	8,363.6	0.00	0.00	0.00
17,500.0	89.67	269.37	7,264.5	175.2	-8,461.8	8,463.6	0.00	0.00	0.00
17,600.0	89.67	269.37	7,265.1	174.1	-8,561.8	8,563.5	0.00	0.00	0.00
17,700.0	89.67	269.37	7,265.7	173.0	-8,661.8	8,663.5	0.00	0.00	0.00
17,800.0	89.67	269.37	7,266.3	171.9	-8,761.8	8,763.4	0.00	0.00	0.00
17,900.0	89.67	269.37	7,266.8	170.8	-8,861.7	8,863.4	0.00	0.00	0.00
18,000.0	89.67	269.37	7,267.4	169.8	-8,961.7	8,963.3	0.00	0.00	0.00
18,100.0	89.67	269.37	7,268.0	168.7	-9,061.7	9,063.3	0.00	0.00	0.00
18,200.0	89.67	269.37	7,268.6	167.6	-9,161.7	9,163.3	0.00	0.00	0.00
18,271.8	89.67	269.37	7,269.0	166.8	-9,233.5	9,235.0	0.00	0.00	0.00
TD at 18271.8									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL 1213'FSL, 1575'FE - plan hits target center - Point	0.00	0.00	1.0	0.0	0.0	1,441,167.38	3,205,704.01	40.542048	-104.759854
LPL 1480'FSL, 470'FEL, - plan hits target center - Point	0.00	0.00	7,209.0	279.8	1,102.6	1,441,456.39	3,206,804.16	40.542816	-104.755887
BHL 1480'FSL, 5'FWL, S - plan hits target center - Point	0.00	0.00	7,269.0	166.8	-9,233.5	1,441,257.07	3,196,469.72	40.542501	-104.793076

Database:	US_EDM	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-27-28HN	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (8-02-17)		

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
200.0	200.0	0.0	0.0	KOP - Start Build 1.50
5,336.9	5,041.3	42.3	267.0	Start Drop -2.00
6,814.2	6,493.0	255.9	1,614.2	Start Build 8.00
7,934.9	7,209.0	287.7	1,814.5	Start DLS 0.50 TFO 112.45
7,936.3	7,209.0	287.7	1,814.5	Start 10335.5 hold at 7936.3 MD
18,271.8	7,269.0	279.8	1,102.6	TD at 18271.8

ENSIGN
Directional

Bayswater Exploration & Production, LLC

SEC.27-T7N-R66W
G & D Hanks 27-N Pad Sec.27-T7N-R66W
G & D Hanks R-27-28HN

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

Anticollision Report

04 August, 2017

BAYSWATER
EXPLORATION & PRODUCTION, LLC

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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** 8/4/2017

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	18,271.8	Plan #1 (8-02-17) (Wellbore #1)	MWD	MWD - Standard

Summary

Site Name / Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Existing Wells Sec.28-T7N-R66W						
Severin & Co. 1 (P&A) - Wellbore #1 - Wellbore #1	17,650.6	7,249.4	292.1	-135.8	0.683	Level 1, CC, ES, SF
G & D Hanks 27-N Pad Sec.27-T7N-R66W						
G & D Hanks M-27-28HN - Wellbore #1 - Plan #1 (8-02-1	200.0	200.0	75.1	74.4	111.302	CC, ES
G & D Hanks M-27-28HN - Wellbore #1 - Plan #1 (8-02-1	5,100.0	5,015.6	798.9	733.5	12.211	SF
G & D Hanks N-27-28HC - Wellbore #1 - Plan #1 (8-02-1	428.3	428.0	59.4	57.8	35.212	CC, ES
G & D Hanks N-27-28HC - Wellbore #1 - Plan #1 (8-02-1	5,336.9	5,293.5	672.4	603.3	9.721	SF
G & D Hanks O-27-28HN - Wellbore #1 - Plan #1 (8-02-1	437.0	436.8	44.6	42.8	25.769	CC
G & D Hanks O-27-28HN - Wellbore #1 - Plan #1 (8-02-1	500.0	499.7	44.8	42.8	22.173	ES
G & D Hanks O-27-28HN - Wellbore #1 - Plan #1 (8-02-1	18,271.8	18,325.8	660.6	61.1	1.102	Level 2, SF
G & D Hanks P-27-28HN - Wellbore #1 - Plan #1 (8-02-1	389.1	389.0	29.5	28.0	19.533	CC
G & D Hanks P-27-28HN - Wellbore #1 - Plan #1 (8-02-1	18,271.8	18,392.8	366.0	-225.1	0.619	Level 1, ES, SF
G & D Hanks Q-27-28HC - Wellbore #1 - Plan #1 (8-02-1	333.7	333.7	14.8	13.5	11.667	CC
G & D Hanks Q-27-28HC - Wellbore #1 - Plan #1 (8-02-1	18,271.8	18,435.1	195.7	-317.2	0.382	Level 1, ES, SF
G & D Hanks S-27-28HN - Wellbore #1 - Plan #1 (8-02-1	200.0	200.0	14.9	14.3	22.140	CC
G & D Hanks S-27-28HN - Wellbore #1 - Plan #1 (8-02-1	18,271.8	18,337.1	336.6	-253.8	0.570	Level 1, ES, SF
G & D Hanks T-27-28HC - Wellbore #1 - Plan #1 (8-02-1	200.0	200.0	29.9	29.2	44.292	CC
G & D Hanks T-27-28HC - Wellbore #1 - Plan #1 (8-02-1	18,271.8	18,425.1	506.2	-82.9	0.859	Level 1, ES, SF
G & D Hanks U-27-28HN - Wellbore #1 - Plan #1 (8-02-1	200.0	200.0	44.8	44.1	66.445	CC, ES
G & D Hanks U-27-28HN - Wellbore #1 - Plan #1 (8-02-1	18,271.8	18,259.1	660.2	59.8	1.100	Level 2, SF
G & D Hanks V-27-28HN - Wellbore #1 - Plan #1 (8-02-1	200.0	200.0	60.1	59.4	89.137	CC
G & D Hanks V-27-28HN - Wellbore #1 - Plan #1 (8-02-1	300.0	300.0	60.3	59.2	54.090	ES
G & D Hanks V-27-28HN - Wellbore #1 - Plan #1 (8-02-1	5,100.0	5,039.2	793.7	729.6	12.379	SF
G & D Hanks W-27-28HC - Wellbore #1 - Plan #1 (8-02-1	200.0	200.0	75.0	74.4	111.296	CC
G & D Hanks W-27-28HC - Wellbore #1 - Plan #1 (8-02-1	300.0	300.0	75.3	74.2	67.489	ES
G & D Hanks W-27-28HC - Wellbore #1 - Plan #1 (8-02-1	4,500.0	4,436.2	797.0	743.1	14.775	SF
G & D Hanks X-27-28HN - Wellbore #1 - Plan #1 (8-02-1	200.0	200.0	90.0	89.3	133.448	CC, ES
G & D Hanks X-27-28HN - Wellbore #1 - Plan #1 (8-02-1	3,800.0	3,696.2	779.3	734.5	17.382	SF
G & D HANKS PAD Sec.27-T7N-R66W						
G&D HANKS 10-27 - Wellbore #1 - Wellbore #1	9,459.7	7,313.8	499.8	421.5	6.379	CC, ES
G&D HANKS 10-27 - Wellbore #1 - Wellbore #1	9,500.0	7,314.5	501.5	422.2	6.327	SF
G&D HANKS 20-27 - Wellbore #1 - Wellbore #1	8,817.3	7,287.8	173.0	104.2	2.513	CC, ES, SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 Existing Wells Sec.28-T7N-R66W - Severin & Co. 1 (P&A) - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 ft

Survey Program: 9320-UNKNOWN

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
17,000.0	7,261.6	7,245.6	7,245.6	264.8	144.9	89.26	465.7	-8,615.6	713.2	303.5	409.69	1.741	
17,100.0	7,262.2	7,246.2	7,246.2	267.6	144.9	89.37	465.7	-8,615.6	623.3	210.8	412.49	1.511	
17,200.0	7,262.8	7,246.8	7,246.8	270.4	144.9	89.49	465.7	-8,615.6	537.0	121.7	415.29	1.293	Level 3
17,300.0	7,263.4	7,247.4	7,247.4	273.1	144.9	89.60	465.7	-8,615.6	456.3	38.2	418.09	1.091	Level 2
17,400.0	7,263.9	7,247.9	7,247.9	275.9	145.0	89.71	465.7	-8,615.6	384.9	-36.0	420.89	0.914	Level 1
17,500.0	7,264.5	7,248.5	7,248.5	278.7	145.0	89.83	465.7	-8,615.6	328.6	-95.0	423.68	0.776	Level 1
17,600.0	7,265.1	7,249.1	7,249.1	281.5	145.0	89.94	465.7	-8,615.6	296.5	-130.0	426.48	0.695	Level 1
17,650.6	7,265.4	7,249.4	7,249.4	282.9	145.0	90.00	465.7	-8,615.6	292.1	-135.8	427.89	0.683	Level 1, CC, ES, SF
17,700.0	7,265.7	7,249.7	7,249.7	284.3	145.0	90.06	465.7	-8,615.6	296.2	-133.0	429.27	0.690	Level 1
17,800.0	7,266.3	7,250.3	7,250.3	287.1	145.0	90.17	465.7	-8,615.6	328.1	-104.0	432.07	0.759	Level 1
17,900.0	7,266.8	7,250.8	7,250.8	289.9	145.0	90.28	465.7	-8,615.6	384.1	-50.8	434.86	0.883	Level 1
18,000.0	7,267.4	7,251.4	7,251.4	292.6	145.0	90.40	465.7	-8,615.6	455.4	17.8	437.65	1.041	Level 2
18,100.0	7,268.0	7,252.0	7,252.0	295.4	145.0	90.51	465.7	-8,615.6	536.0	95.5	440.44	1.217	Level 2
18,200.0	7,268.6	7,252.6	7,252.6	298.2	145.1	90.63	465.7	-8,615.6	622.2	179.0	443.23	1.404	Level 3
18,271.8	7,269.0	7,253.0	7,253.0	300.2	145.1	90.71	465.7	-8,615.6	686.4	241.2	445.23	1.542	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 M-27-28HN - Wellbore #1 - Plan #1 (8-02-17

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	0.21	75.1	0.3	75.1				
100.0	100.0	100.0	100.0	0.1	0.1	0.21	75.1	0.3	75.1	74.8	0.22	333.906	
200.0	200.0	200.0	200.0	0.3	0.3	0.21	75.1	0.3	75.1	74.4	0.67	111.302	CC, ES
300.0	300.0	298.9	298.9	0.6	0.6	-80.93	75.8	1.3	75.6	74.5	1.11	68.164	
400.0	399.9	397.8	397.7	0.8	0.8	-81.38	77.9	4.5	77.1	75.5	1.55	49.714	
500.0	499.7	496.7	496.4	1.0	1.0	-82.10	81.4	9.9	79.7	77.6	2.02	39.399	
600.0	599.3	595.5	594.8	1.3	1.3	-83.02	86.4	17.3	83.3	80.8	2.53	32.905	
700.0	698.6	694.2	692.8	1.6	1.5	-84.08	92.7	26.9	88.0	84.9	3.09	28.480	
800.0	797.5	792.9	790.5	1.9	1.9	-85.24	100.5	38.5	93.7	90.0	3.71	25.292	
900.0	896.1	891.4	887.7	2.2	2.2	-86.42	109.6	52.3	100.5	96.1	4.39	22.900	
1,000.0	994.2	989.9	984.2	2.6	2.6	-87.59	120.1	68.0	108.4	103.3	5.15	21.051	
1,100.0	1,091.7	1,088.2	1,080.2	3.1	3.0	-88.71	132.0	85.9	117.4	111.4	6.00	19.588	
1,200.0	1,188.6	1,186.3	1,175.4	3.6	3.5	-89.76	145.2	105.7	127.5	120.6	6.93	18.410	
1,300.0	1,284.9	1,284.3	1,269.8	4.1	4.0	-90.73	159.7	127.6	138.7	130.7	7.95	17.446	
1,400.0	1,380.4	1,382.1	1,363.3	4.7	4.5	-91.60	175.5	151.4	150.9	141.9	9.07	16.648	
1,500.0	1,475.0	1,479.7	1,455.9	5.3	5.1	-92.39	192.6	177.1	164.2	153.9	10.28	15.979	
1,600.0	1,568.9	1,577.1	1,547.5	6.0	5.8	-93.09	211.0	204.8	178.6	167.0	11.59	15.411	
1,645.8	1,611.5	1,621.7	1,589.1	6.4	6.1	-93.38	219.8	218.1	185.5	173.3	12.22	15.180	
1,700.0	1,661.9	1,674.3	1,638.0	6.8	6.5	-93.72	230.6	234.3	193.9	180.9	12.99	14.931	
1,800.0	1,754.8	1,771.3	1,727.4	7.5	7.2	-93.78	251.5	265.7	210.1	195.7	14.44	14.551	
1,900.0	1,847.7	1,868.0	1,815.5	8.3	8.0	-93.23	273.5	298.8	227.2	211.2	15.93	14.260	
2,000.0	1,940.7	1,966.1	1,904.2	9.0	8.8	-92.39	296.6	333.6	244.8	227.3	17.46	14.023	
2,100.0	2,033.6	2,064.4	1,993.2	9.8	9.7	-91.65	319.9	368.6	262.5	243.5	18.99	13.821	
2,200.0	2,126.5	2,162.8	2,082.1	10.6	10.5	-91.00	343.1	403.6	280.2	259.7	20.53	13.648	
2,300.0	2,219.4	2,261.2	2,171.1	11.4	11.4	-90.43	366.4	438.5	297.9	275.9	22.07	13.499	
2,400.0	2,312.3	2,359.6	2,260.0	12.1	12.2	-89.93	389.6	473.5	315.7	292.1	23.61	13.369	
2,500.0	2,405.3	2,457.9	2,349.0	12.9	13.1	-89.48	412.9	508.5	333.5	308.3	25.16	13.255	
2,600.0	2,498.2	2,556.3	2,437.9	13.7	14.0	-89.07	436.1	543.5	351.3	324.6	26.70	13.155	
2,700.0	2,591.1	2,654.7	2,526.9	14.5	14.8	-88.71	459.4	578.4	369.1	340.9	28.25	13.066	
2,800.0	2,684.0	2,753.1	2,615.9	15.3	15.7	-88.37	482.6	613.4	387.0	357.2	29.80	12.986	
2,900.0	2,776.9	2,851.4	2,704.8	16.0	16.5	-88.07	505.9	648.4	404.8	373.5	31.35	12.914	
3,000.0	2,869.9	2,949.8	2,793.8	16.8	17.4	-87.79	529.1	683.3	422.7	389.8	32.89	12.849	
3,100.0	2,962.8	3,048.2	2,882.7	17.6	18.3	-87.54	552.4	718.3	440.5	406.1	34.44	12.790	
3,200.0	3,055.7	3,146.5	2,971.7	18.4	19.1	-87.30	575.6	753.3	458.4	422.4	35.99	12.737	
3,300.0	3,148.6	3,244.9	3,060.7	19.2	20.0	-87.09	598.8	788.3	476.3	438.8	37.54	12.688	
3,400.0	3,241.6	3,343.3	3,149.6	20.0	20.9	-86.88	622.1	823.2	494.2	455.1	39.09	12.643	
3,500.0	3,334.5	3,441.7	3,238.6	20.7	21.7	-86.70	645.3	858.2	512.1	471.5	40.64	12.601	
3,600.0	3,427.4	3,540.0	3,327.5	21.5	22.6	-86.52	668.6	893.2	530.0	487.8	42.19	12.563	
3,700.0	3,520.3	3,638.4	3,416.5	22.3	23.5	-86.36	691.8	928.2	547.9	504.2	43.74	12.527	
3,800.0	3,613.2	3,736.8	3,505.5	23.1	24.4	-86.20	715.1	963.1	565.8	520.5	45.28	12.494	
3,900.0	3,706.2	3,835.2	3,594.4	23.9	25.2	-86.06	738.3	998.1	583.7	536.9	46.83	12.464	
4,000.0	3,799.1	3,933.5	3,683.4	24.7	26.1	-85.93	761.6	1,033.1	601.6	553.3	48.38	12.435	
4,100.0	3,892.0	4,031.9	3,772.3	25.5	27.0	-85.80	784.8	1,068.0	619.6	569.6	49.93	12.408	
4,200.0	3,984.9	4,130.3	3,861.3	26.2	27.8	-85.68	808.1	1,103.0	637.5	586.0	51.48	12.383	
4,300.0	4,077.8	4,228.6	3,950.2	27.0	28.7	-85.56	831.3	1,138.0	655.4	602.4	53.03	12.359	
4,400.0	4,170.8	4,327.0	4,039.2	27.8	29.6	-85.46	854.6	1,173.0	673.3	618.8	54.58	12.337	
4,500.0	4,263.7	4,425.4	4,128.2	28.6	30.5	-85.35	877.8	1,207.9	691.3	635.1	56.13	12.316	
4,600.0	4,356.6	4,523.8	4,217.1	29.4	31.3	-85.26	901.1	1,242.9	709.2	651.5	57.68	12.296	
4,700.0	4,449.5	4,622.1	4,306.1	30.2	32.2	-85.17	924.3	1,277.9	727.1	667.9	59.23	12.277	
4,800.0	4,542.5	4,720.5	4,395.0	31.0	33.1	-85.08	947.6	1,312.8	745.1	684.3	60.77	12.259	
4,900.0	4,635.4	4,818.9	4,484.0	31.8	33.9	-84.99	970.8	1,347.8	763.0	700.7	62.32	12.242	
5,000.0	4,728.3	4,917.2	4,573.0	32.5	34.8	-84.91	994.1	1,382.8	780.9	717.1	63.87	12.226	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 M-27-28HN - Wellbore #1 - Plan #1 (8-02-17

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	4,821.2	5,015.6	4,661.9	33.3	35.7	-84.84	1,017.3	1,417.8	798.9	733.5	65.42	12.211 SF	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	0.26	60.1	0.3	60.1				
100.0	100.0	100.0	100.0	0.1	0.1	0.26	60.1	0.3	60.1	59.9	0.22	267.468	
200.0	200.0	200.0	200.0	0.3	0.3	0.26	60.1	0.3	60.1	59.4	0.67	89.156	
300.0	300.0	300.0	300.0	0.6	0.6	-81.96	60.1	0.3	59.9	58.8	1.12	53.735	
400.0	399.9	399.9	399.9	0.8	0.8	-85.71	60.1	0.3	59.5	57.9	1.56	38.154	
428.3	428.2	428.0	428.0	0.8	0.8	-87.14	60.2	0.4	59.4	57.8	1.69	35.212	CC, ES
500.0	499.7	499.2	499.2	1.0	1.0	-90.81	60.8	1.4	59.8	57.8	2.01	29.700	
600.0	599.3	598.5	598.4	1.3	1.2	-95.88	62.7	4.7	61.5	59.0	2.49	24.712	
700.0	698.6	698.0	697.7	1.6	1.5	-100.64	66.0	10.3	64.7	61.7	3.00	21.540	
800.0	797.5	797.5	796.8	1.9	1.7	-104.86	70.5	18.1	69.2	65.6	3.56	19.440	
900.0	896.1	897.1	895.7	2.2	2.0	-108.44	76.3	28.2	75.0	70.8	4.17	17.997	
1,000.0	994.2	996.7	994.3	2.6	2.3	-111.36	83.5	40.5	81.9	77.1	4.83	16.966	
1,100.0	1,091.7	1,096.4	1,092.6	3.1	2.6	-113.65	91.9	55.0	90.0	84.5	5.56	16.196	
1,200.0	1,188.6	1,196.1	1,190.4	3.6	3.0	-115.41	101.6	71.8	99.1	92.8	6.36	15.594	
1,300.0	1,284.9	1,295.8	1,287.7	4.1	3.4	-116.70	112.6	90.7	109.2	102.0	7.23	15.098	
1,400.0	1,380.4	1,395.6	1,384.3	4.7	3.8	-117.62	124.9	111.8	120.3	112.1	8.19	14.675	
1,500.0	1,475.0	1,495.3	1,480.3	5.3	4.4	-118.23	138.4	135.1	132.2	122.9	9.24	14.299	
1,600.0	1,568.9	1,595.0	1,575.6	6.0	4.9	-118.59	153.2	160.6	145.0	134.6	10.39	13.959	
1,645.8	1,611.5	1,640.7	1,619.0	6.4	5.2	-118.69	160.4	173.0	151.1	140.2	10.95	13.806	
1,700.0	1,661.9	1,694.7	1,670.0	6.8	5.5	-118.74	169.2	188.2	158.5	146.8	11.63	13.628	
1,800.0	1,754.8	1,794.4	1,763.7	7.5	6.2	-118.15	186.5	218.0	171.7	158.7	12.97	13.235	
1,900.0	1,847.7	1,894.1	1,856.3	8.3	6.9	-116.83	205.0	249.8	184.6	170.2	14.42	12.800	
2,000.0	1,940.7	1,993.7	1,947.8	9.0	7.6	-114.94	224.7	283.6	197.3	181.3	15.97	12.354	
2,100.0	2,033.6	2,092.6	2,038.1	9.8	8.4	-112.82	245.0	318.6	210.1	192.6	17.59	11.949	
2,200.0	2,126.5	2,191.5	2,128.3	10.6	9.2	-110.93	265.3	353.7	223.2	204.0	19.21	11.621	
2,300.0	2,219.4	2,290.4	2,218.6	11.4	10.1	-109.25	285.7	388.7	236.5	215.7	20.83	11.353	
2,400.0	2,312.3	2,389.3	2,308.8	12.1	10.9	-107.75	306.0	423.7	250.0	227.5	22.46	11.132	
2,500.0	2,405.3	2,488.2	2,399.0	12.9	11.7	-106.41	326.3	458.7	263.6	239.5	24.08	10.947	
2,600.0	2,498.2	2,587.1	2,489.2	13.7	12.5	-105.19	346.7	493.8	277.3	251.6	25.70	10.792	
2,700.0	2,591.1	2,686.0	2,579.4	14.5	13.4	-104.10	367.0	528.8	291.2	263.9	27.31	10.661	
2,800.0	2,684.0	2,784.8	2,669.6	15.3	14.2	-103.10	387.4	563.8	305.1	276.2	28.93	10.548	
2,900.0	2,776.9	2,883.7	2,759.9	16.0	15.0	-102.19	407.7	598.8	319.2	288.6	30.54	10.451	
3,000.0	2,869.9	2,982.6	2,850.1	16.8	15.8	-101.35	428.0	633.8	333.3	301.1	32.15	10.368	
3,100.0	2,962.8	3,081.5	2,940.3	17.6	16.7	-100.58	448.4	668.9	347.5	313.7	33.75	10.295	
3,200.0	3,055.7	3,180.4	3,030.5	18.4	17.5	-99.88	468.7	703.9	361.7	326.3	35.35	10.230	
3,300.0	3,148.6	3,279.3	3,120.7	19.2	18.4	-99.22	489.0	738.9	376.0	339.0	36.95	10.174	
3,400.0	3,241.6	3,378.2	3,210.9	20.0	19.2	-98.62	509.4	773.9	390.3	351.7	38.55	10.124	
3,500.0	3,334.5	3,477.1	3,301.1	20.7	20.0	-98.06	529.7	808.9	404.7	364.5	40.14	10.080	
3,600.0	3,427.4	3,575.9	3,391.4	21.5	20.9	-97.53	550.0	844.0	419.0	377.3	41.74	10.040	
3,700.0	3,520.3	3,674.8	3,481.6	22.3	21.7	-97.04	570.4	879.0	433.5	390.2	43.33	10.005	
3,800.0	3,613.2	3,773.7	3,571.8	23.1	22.5	-96.59	590.7	914.0	447.9	403.0	44.92	9.973	
3,900.0	3,706.2	3,872.6	3,662.0	23.9	23.4	-96.16	611.1	949.0	462.4	415.9	46.50	9.944	
4,000.0	3,799.1	3,971.5	3,752.2	24.7	24.2	-95.75	631.4	984.1	476.9	428.8	48.09	9.918	
4,100.0	3,892.0	4,070.4	3,842.4	25.5	25.1	-95.38	651.7	1,019.1	491.5	441.8	49.67	9.894	
4,200.0	3,984.9	4,169.3	3,932.6	26.2	25.9	-95.02	672.1	1,054.1	506.0	454.8	51.25	9.873	
4,300.0	4,077.8	4,268.2	4,022.9	27.0	26.8	-94.68	692.4	1,089.1	520.6	467.7	52.84	9.853	
4,400.0	4,170.8	4,367.1	4,113.1	27.8	27.6	-94.36	712.7	1,124.1	535.2	480.8	54.41	9.835	
4,500.0	4,263.7	4,465.9	4,203.3	28.6	28.4	-94.06	733.1	1,159.2	549.8	493.8	55.99	9.818	
4,600.0	4,356.6	4,564.8	4,293.5	29.4	29.3	-93.77	753.4	1,194.2	564.4	506.8	57.57	9.803	
4,700.0	4,449.5	4,663.7	4,383.7	30.2	30.1	-93.50	773.8	1,229.2	579.0	519.9	59.15	9.789	
4,800.0	4,542.5	4,762.6	4,473.9	31.0	31.0	-93.24	794.1	1,264.2	593.7	532.9	60.72	9.776	
4,900.0	4,635.4	4,861.5	4,564.1	31.8	31.8	-93.00	814.4	1,299.2	608.3	546.0	62.30	9.764	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.0	4,728.3	4,960.4	4,654.4	32.5	32.7	-92.76	834.8	1,334.3	623.0	559.1	63.87	9.753	
5,100.0	4,821.2	5,059.3	4,744.6	33.3	33.5	-92.54	855.1	1,369.3	637.6	572.2	65.45	9.743	
5,200.0	4,914.1	5,158.2	4,834.8	34.1	34.3	-92.32	875.4	1,404.3	652.3	585.3	67.02	9.734	
5,300.0	5,007.1	5,257.0	4,925.0	34.9	35.2	-92.12	895.8	1,439.3	667.0	598.4	68.59	9.725	
5,336.9	5,041.3	5,293.5	4,958.3	35.2	35.5	-92.05	903.3	1,452.3	672.4	603.3	69.17	9.721	SF
5,400.0	5,100.2	5,355.9	5,015.2	35.6	36.0	-92.05	916.1	1,474.3	681.7	611.6	70.12	9.722	
5,500.0	5,194.5	5,454.6	5,105.3	36.2	36.9	-91.83	936.4	1,509.3	696.3	624.8	71.47	9.743	
5,600.0	5,289.9	5,553.1	5,195.1	36.7	37.7	-91.36	956.7	1,544.2	710.9	638.1	72.72	9.776	
5,700.0	5,386.3	5,651.2	5,284.6	37.2	38.5	-90.64	976.8	1,578.9	725.5	651.7	73.86	9.822	
5,800.0	5,483.6	5,754.1	5,378.7	37.6	39.3	-89.67	997.7	1,614.9	740.2	665.4	74.82	9.893	
5,900.0	5,581.6	5,862.4	5,479.2	37.9	40.0	-88.64	1,018.1	1,650.0	754.1	678.5	75.60	9.975	
6,000.0	5,680.3	5,971.8	5,582.1	38.2	40.6	-87.63	1,036.7	1,682.0	767.0	690.7	76.25	10.059	
6,100.0	5,779.4	6,082.1	5,687.2	38.4	41.2	-86.62	1,053.4	1,710.8	778.8	702.0	76.77	10.145	
6,200.0	5,879.0	6,193.4	5,794.5	38.6	41.7	-85.63	1,068.2	1,736.3	789.5	712.3	77.16	10.232	
6,300.0	5,978.8	6,305.7	5,903.8	38.8	42.1	-84.63	1,081.0	1,758.3	799.1	721.6	77.41	10.322	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 O-27-28HN - Wellbore #1 - Plan #1 (8-02-17)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	0.35	45.2	0.3	45.2				
100.0	100.0	100.0	100.0	0.1	0.1	0.35	45.2	0.3	45.2	45.0	0.22	200.994	
200.0	200.0	200.0	200.0	0.3	0.3	0.35	45.2	0.3	45.2	44.5	0.67	66.998	
300.0	300.0	300.0	300.0	0.6	0.6	-82.29	45.2	0.3	45.0	43.9	1.12	40.339	
400.0	399.9	399.9	399.9	0.8	0.8	-87.29	45.2	0.3	44.6	43.1	1.56	28.619	
437.0	436.8	436.8	436.8	0.9	0.9	-90.00	45.2	0.3	44.6	42.8	1.73	25.769	CC
500.0	499.7	499.7	499.7	1.0	1.0	-95.65	45.2	0.3	44.8	42.8	2.02	22.173	ES
600.0	599.3	599.3	599.3	1.3	1.2	-106.85	45.2	0.3	46.6	44.1	2.50	18.635	
700.0	698.6	698.8	698.8	1.6	1.5	-118.03	45.7	1.4	51.0	48.0	2.99	17.063	
800.0	797.5	798.6	798.5	1.9	1.7	-126.78	47.5	4.9	57.8	54.3	3.48	16.578	
900.0	896.1	898.7	898.4	2.2	1.9	-133.19	50.4	10.7	66.2	62.2	3.99	16.591	
1,000.0	994.2	998.9	998.2	2.6	2.1	-137.71	54.5	18.9	75.9	71.4	4.52	16.812	
1,100.0	1,091.7	1,099.4	1,098.0	3.1	2.4	-140.82	59.7	29.5	86.6	81.5	5.07	17.089	
1,200.0	1,188.6	1,200.1	1,197.6	3.6	2.7	-142.90	66.2	42.4	98.0	92.3	5.65	17.341	
1,300.0	1,284.9	1,300.9	1,297.0	4.1	3.0	-144.22	73.8	57.7	110.0	103.7	6.28	17.530	
1,400.0	1,380.4	1,402.0	1,396.1	4.7	3.4	-144.98	82.6	75.4	122.6	115.7	6.95	17.637	
1,500.0	1,475.0	1,503.3	1,494.9	5.3	3.8	-145.33	92.6	95.4	135.7	128.0	7.69	17.655	
1,600.0	1,568.9	1,604.7	1,593.2	6.0	4.2	-145.38	103.8	117.9	149.4	140.9	8.49	17.586	
1,645.8	1,611.5	1,651.2	1,638.0	6.4	4.5	-145.31	109.3	128.9	155.8	146.9	8.89	17.524	
1,700.0	1,661.9	1,706.3	1,690.9	6.8	4.7	-145.17	116.1	142.7	163.1	153.8	9.38	17.391	
1,800.0	1,754.8	1,808.3	1,788.3	7.5	5.3	-144.39	129.7	169.9	175.5	165.2	10.38	16.916	
1,900.0	1,847.7	1,910.6	1,885.0	8.3	5.9	-143.04	144.5	199.5	186.3	174.9	11.49	16.215	
2,000.0	1,940.7	2,013.0	1,981.0	9.0	6.6	-141.19	160.4	231.5	195.7	183.0	12.74	15.359	
2,100.0	2,033.6	2,115.3	2,075.9	9.8	7.3	-138.87	177.5	265.8	203.8	189.7	14.15	14.408	
2,200.0	2,126.5	2,217.4	2,169.5	10.6	8.1	-136.10	195.7	302.2	210.9	195.2	15.71	13.421	
2,300.0	2,219.4	2,318.1	2,260.9	11.4	8.9	-132.97	214.6	340.1	217.3	199.9	17.43	12.469	
2,400.0	2,312.3	2,417.2	2,350.6	12.1	9.8	-129.98	233.4	377.8	224.1	204.9	19.19	11.677	
2,500.0	2,405.3	2,516.3	2,440.3	12.9	10.6	-127.17	252.1	415.5	231.5	210.5	20.99	11.028	
2,600.0	2,498.2	2,615.4	2,530.0	13.7	11.5	-124.54	270.9	453.2	239.5	216.7	22.82	10.496	
2,700.0	2,591.1	2,714.5	2,619.7	14.5	12.3	-122.07	289.7	490.9	247.9	223.2	24.64	10.058	
2,800.0	2,684.0	2,813.6	2,709.4	15.3	13.2	-119.78	308.5	528.6	256.7	230.2	26.48	9.696	
2,900.0	2,776.9	2,912.7	2,799.1	16.0	14.0	-117.63	327.3	566.2	265.9	237.6	28.31	9.395	
3,000.0	2,869.9	3,011.8	2,888.8	16.8	14.9	-115.64	346.0	603.9	275.5	245.4	30.13	9.145	
3,100.0	2,962.8	3,110.9	2,978.5	17.6	15.8	-113.77	364.8	641.6	285.4	253.4	31.94	8.935	
3,200.0	3,055.7	3,210.0	3,068.2	18.4	16.6	-112.03	383.6	679.3	295.5	261.8	33.74	8.760	
3,300.0	3,148.6	3,309.1	3,157.9	19.2	17.5	-110.41	402.4	717.0	306.0	270.4	35.53	8.613	
3,400.0	3,241.6	3,408.2	3,247.6	20.0	18.4	-108.90	421.2	754.7	316.6	279.3	37.30	8.488	
3,500.0	3,334.5	3,507.2	3,337.3	20.7	19.3	-107.48	440.0	792.3	327.5	288.4	39.06	8.383	
3,600.0	3,427.4	3,606.3	3,427.0	21.5	20.1	-106.16	458.7	830.0	338.5	297.7	40.81	8.295	
3,700.0	3,520.3	3,705.4	3,516.7	22.3	21.0	-104.92	477.5	867.7	349.7	307.2	42.54	8.220	
3,800.0	3,613.2	3,804.5	3,606.4	23.1	21.9	-103.75	496.3	905.4	361.1	316.8	44.27	8.156	
3,900.0	3,706.2	3,903.6	3,696.1	23.9	22.8	-102.66	515.1	943.1	372.5	326.6	45.98	8.103	
4,000.0	3,799.1	4,002.7	3,785.8	24.7	23.6	-101.63	533.9	980.8	384.2	336.5	47.68	8.057	
4,100.0	3,892.0	4,101.8	3,875.5	25.5	24.5	-100.67	552.7	1,018.4	395.9	346.5	49.37	8.019	
4,200.0	3,984.9	4,200.9	3,965.2	26.2	25.4	-99.76	571.4	1,056.1	407.7	356.7	51.05	7.987	
4,300.0	4,077.8	4,300.0	4,054.9	27.0	26.3	-98.90	590.2	1,093.8	419.7	367.0	52.72	7.960	
4,400.0	4,170.8	4,399.1	4,144.6	27.8	27.2	-98.08	609.0	1,131.5	431.7	377.3	54.39	7.938	
4,500.0	4,263.7	4,498.2	4,234.3	28.6	28.0	-97.32	627.8	1,169.2	443.8	387.8	56.04	7.919	
4,600.0	4,356.6	4,597.3	4,324.0	29.4	28.9	-96.59	646.6	1,206.9	456.0	398.3	57.69	7.904	
4,700.0	4,449.5	4,696.4	4,413.7	30.2	29.8	-95.90	665.4	1,244.6	468.3	408.9	59.33	7.892	
4,800.0	4,542.5	4,795.4	4,503.4	31.0	30.7	-95.24	684.1	1,282.2	480.6	419.6	60.97	7.882	
4,900.0	4,635.4	4,894.5	4,593.1	31.8	31.6	-94.62	702.9	1,319.9	492.9	430.3	62.60	7.875	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 O-27-28HN - Wellbore #1 - Plan #1 (8-02-17)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.0	4,728.3	4,993.6	4,682.8	32.5	32.5	-94.03	721.7	1,357.6	505.4	441.2	64.22	7.869	
5,100.0	4,821.2	5,092.7	4,772.5	33.3	33.3	-93.47	740.5	1,395.3	517.9	452.0	65.84	7.865	
5,200.0	4,914.1	5,191.8	4,862.2	34.1	34.2	-92.93	759.3	1,433.0	530.4	462.9	67.45	7.863	
5,300.0	5,007.1	5,290.9	4,951.9	34.9	35.1	-92.42	778.0	1,470.7	542.9	473.9	69.06	7.862	
5,336.9	5,041.3	5,327.5	4,985.0	35.2	35.4	-92.24	785.0	1,484.6	547.6	477.9	69.65	7.862	
5,400.0	5,100.2	5,390.0	5,041.6	35.6	36.0	-92.02	796.8	1,508.3	555.5	484.9	70.62	7.867	
5,500.0	5,194.5	5,488.8	5,131.1	36.2	36.9	-91.41	815.6	1,545.9	568.1	496.1	71.98	7.892	
5,600.0	5,289.9	5,589.8	5,222.7	36.7	37.7	-90.50	834.6	1,584.1	580.7	507.5	73.21	7.931	
5,700.0	5,386.3	5,694.7	5,319.0	37.2	38.4	-89.52	853.0	1,621.0	592.6	518.4	74.21	7.985	
5,800.0	5,483.6	5,800.2	5,417.5	37.6	39.1	-88.57	870.0	1,655.1	603.7	528.6	75.07	8.042	
5,900.0	5,581.6	5,906.5	5,517.9	37.9	39.7	-87.63	885.4	1,686.0	613.9	538.1	75.80	8.099	
6,000.0	5,680.3	6,013.4	5,620.3	38.2	40.2	-86.70	899.2	1,713.8	623.2	546.8	76.40	8.158	
6,100.0	5,779.4	6,121.0	5,724.3	38.4	40.7	-85.79	911.4	1,738.2	631.7	554.8	76.87	8.217	
6,200.0	5,879.0	6,229.2	5,829.9	38.6	41.1	-84.87	921.9	1,759.3	639.2	561.9	77.22	8.277	
6,300.0	5,978.8	6,338.0	5,936.9	38.8	41.4	-83.96	930.7	1,776.9	645.7	568.2	77.44	8.338	
6,400.0	6,078.7	6,447.4	6,045.2	38.9	41.7	-83.05	937.6	1,790.8	651.2	573.7	77.54	8.398	
6,421.3	6,100.0	6,470.7	6,068.4	38.9	41.8	-1.86	938.9	1,793.3	652.3	609.7	42.56	15.327	
6,500.0	6,178.7	6,557.4	6,154.6	38.9	41.9	-1.17	942.8	1,801.2	655.7	612.5	43.19	15.181	
6,600.0	6,278.7	6,668.2	6,265.2	39.0	42.1	-0.59	946.1	1,807.7	658.5	614.7	43.81	15.031	
6,700.0	6,378.7	6,779.4	6,376.3	39.1	42.2	-0.35	947.4	1,810.5	659.7	615.5	44.22	14.919	
6,800.0	6,478.7	6,881.8	6,478.7	39.2	42.3	-0.34	947.5	1,810.6	659.8	615.3	44.48	14.833	
6,814.2	6,493.0	6,896.1	6,493.0	39.2	42.3	-0.34	947.5	1,810.6	659.8	615.3	44.52	14.822	
6,850.0	6,528.7	6,932.0	6,528.9	39.2	42.3	90.29	947.5	1,809.7	659.8	581.9	77.93	8.467	
6,900.0	6,578.5	6,982.2	6,578.9	39.2	42.3	90.29	947.4	1,805.4	659.8	581.9	77.89	8.470	
6,950.0	6,627.9	7,032.5	6,628.6	39.1	42.2	90.29	947.3	1,797.6	659.8	582.0	77.79	8.482	
7,000.0	6,676.7	7,082.7	6,677.5	39.0	42.2	90.28	947.2	1,786.4	659.8	582.2	77.62	8.500	
7,050.0	6,724.5	7,132.9	6,725.5	38.9	42.1	90.28	947.0	1,771.8	659.8	582.4	77.40	8.525	
7,100.0	6,771.2	7,183.1	6,772.4	38.8	41.9	90.27	946.8	1,753.8	659.8	582.7	77.13	8.554	
7,150.0	6,816.6	7,233.4	6,817.9	38.7	41.8	90.26	946.6	1,732.6	659.8	583.0	76.83	8.588	
7,200.0	6,860.3	7,283.6	6,861.8	38.5	41.6	90.25	946.3	1,708.3	659.8	583.3	76.51	8.624	
7,250.0	6,902.3	7,333.8	6,903.9	38.3	41.5	90.24	946.0	1,680.9	659.8	583.6	76.18	8.661	
7,300.0	6,942.3	7,384.0	6,944.0	38.2	41.3	90.23	945.7	1,650.7	659.8	583.9	75.86	8.698	
7,350.0	6,980.1	7,434.1	6,981.8	38.0	41.1	90.21	945.3	1,617.8	659.8	584.2	75.55	8.733	
7,400.0	7,015.6	7,484.3	7,017.2	37.9	41.0	90.20	945.0	1,582.3	659.8	584.5	75.27	8.766	
7,450.0	7,048.4	7,534.5	7,050.1	37.8	40.8	90.18	944.5	1,544.4	659.8	584.8	75.03	8.794	
7,500.0	7,078.6	7,584.6	7,080.2	37.7	40.7	90.17	944.1	1,504.3	659.8	584.9	74.84	8.815	
7,502.0	7,079.8	7,586.6	7,081.3	37.7	40.7	90.17	944.1	1,502.7	659.8	584.9	74.84	8.816	
7,550.0	7,105.9	7,634.7	7,107.4	37.6	40.6	90.15	943.6	1,462.2	659.8	585.1	74.72	8.830	
7,600.0	7,130.3	7,684.8	7,131.6	37.6	40.5	90.13	943.1	1,418.4	659.8	585.1	74.68	8.835	
7,650.0	7,151.5	7,734.9	7,152.7	37.6	40.5	90.11	942.6	1,372.9	659.8	585.1	74.71	8.831	
7,700.0	7,169.5	7,785.0	7,170.5	37.6	40.5	90.10	942.1	1,326.1	659.8	585.0	74.83	8.817	
7,750.0	7,184.2	7,835.1	7,185.1	37.7	40.5	90.08	941.6	1,278.2	659.8	584.8	75.03	8.793	
7,800.0	7,195.6	7,885.1	7,196.2	37.9	40.5	90.06	941.1	1,229.5	659.8	584.5	75.33	8.759	
7,850.0	7,203.5	7,935.2	7,203.9	38.1	40.6	90.04	940.5	1,180.0	659.8	584.1	75.71	8.715	
7,900.0	7,208.0	7,985.2	7,208.1	38.3	40.7	90.02	940.0	1,130.2	659.8	583.6	76.16	8.663	
7,912.2	7,208.5	7,997.4	7,208.6	38.3	40.7	90.01	939.8	1,118.0	659.8	583.5	76.28	8.649	
7,934.9	7,209.0	8,020.0	7,209.0	38.5	40.8	90.00	939.6	1,095.4	659.8	583.3	76.52	8.622	
7,934.9	7,209.0	8,020.1	7,209.0	38.5	40.8	90.00	939.6	1,095.3	659.8	583.3	76.52	8.622	
7,936.3	7,209.0	8,021.4	7,209.0	38.5	40.8	90.00	939.6	1,094.0	659.8	583.3	76.54	8.621	
8,000.0	7,209.4	8,085.1	7,209.4	38.8	41.0	90.00	938.9	1,030.3	659.8	582.5	77.32	8.533	
8,100.0	7,210.0	8,185.1	7,210.0	39.6	41.5	90.00	937.8	930.3	659.8	580.9	78.85	8.368	
8,200.0	7,210.5	8,285.1	7,210.6	40.5	42.2	90.00	936.7	830.3	659.8	579.1	80.74	8.172	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 O-27-28HN - Wellbore #1 - Plan #1 (8-02-17)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,300.0	7,211.1	8,385.1	7,211.1	41.6	43.1	90.00	935.6	730.3	659.8	576.8	82.96	7.953	
8,400.0	7,211.7	8,485.1	7,211.7	42.9	44.1	90.00	934.5	630.3	659.8	574.3	85.50	7.716	
8,500.0	7,212.3	8,585.1	7,212.3	44.3	45.3	90.00	933.4	530.3	659.8	571.5	88.33	7.470	
8,600.0	7,212.9	8,685.1	7,212.9	45.8	46.6	90.00	932.3	430.3	659.8	568.4	91.41	7.218	
8,700.0	7,213.4	8,785.1	7,213.5	47.4	48.1	90.00	931.2	330.3	659.8	565.1	94.73	6.965	
8,800.0	7,214.0	8,885.1	7,214.1	49.2	49.7	90.00	930.1	230.3	659.8	561.5	98.26	6.715	
8,900.0	7,214.6	8,985.1	7,214.6	51.0	51.5	90.00	929.0	130.3	659.8	557.8	101.97	6.471	
9,000.0	7,215.2	9,085.1	7,215.2	53.0	53.3	90.00	927.9	30.4	659.8	553.9	105.85	6.233	
9,100.0	7,215.8	9,185.1	7,215.8	55.0	55.2	90.00	926.8	-69.6	659.8	549.9	109.88	6.004	
9,200.0	7,216.3	9,285.1	7,216.4	57.1	57.3	90.00	925.8	-169.6	659.8	545.7	114.05	5.785	
9,300.0	7,216.9	9,385.1	7,217.0	59.2	59.3	90.00	924.7	-269.6	659.8	541.5	118.34	5.576	
9,400.0	7,217.5	9,485.1	7,217.5	61.4	61.5	90.00	923.6	-369.6	659.8	537.1	122.73	5.376	
9,500.0	7,218.1	9,585.1	7,218.1	63.7	63.7	90.00	922.5	-469.6	659.8	532.6	127.22	5.186	
9,600.0	7,218.7	9,685.1	7,218.7	65.9	66.0	90.00	921.4	-569.6	659.8	528.0	131.80	5.006	
9,700.0	7,219.2	9,785.1	7,219.3	68.3	68.3	90.00	920.3	-669.6	659.8	523.3	136.46	4.835	
9,800.0	7,219.8	9,885.1	7,219.9	70.6	70.6	90.00	919.2	-769.6	659.8	518.6	141.18	4.673	
9,900.0	7,220.4	9,985.1	7,220.5	73.0	73.0	90.00	918.1	-869.6	659.8	513.8	145.97	4.520	
10,000.0	7,221.0	10,085.1	7,221.0	75.5	75.4	90.00	917.0	-969.6	659.8	509.0	150.82	4.375	
10,100.0	7,221.6	10,185.1	7,221.6	77.9	77.8	90.00	915.9	-1,069.6	659.8	504.1	155.72	4.237	
10,200.0	7,222.1	10,285.1	7,222.2	80.4	80.3	90.00	914.8	-1,169.6	659.8	499.1	160.66	4.107	
10,300.0	7,222.7	10,385.1	7,222.8	82.9	82.8	90.00	913.7	-1,269.5	659.8	494.1	165.65	3.983	
10,400.0	7,223.3	10,485.1	7,223.4	85.4	85.3	90.01	912.6	-1,369.5	659.8	489.1	170.68	3.866	
10,500.0	7,223.9	10,585.1	7,223.9	87.9	87.8	90.01	911.5	-1,469.5	659.8	484.1	175.74	3.754	
10,600.0	7,224.5	10,685.1	7,224.5	90.5	90.4	90.01	910.4	-1,569.5	659.8	479.0	180.84	3.649	
10,700.0	7,225.0	10,785.1	7,225.1	93.0	92.9	90.01	909.4	-1,669.5	659.8	473.8	185.97	3.548	
10,800.0	7,225.6	10,885.1	7,225.7	95.6	95.5	90.01	908.3	-1,769.5	659.8	468.7	191.12	3.452	
10,900.0	7,226.2	10,985.1	7,226.3	98.2	98.1	90.01	907.2	-1,869.5	659.8	463.5	196.30	3.361	
11,000.0	7,226.8	11,085.1	7,226.9	100.8	100.7	90.01	906.1	-1,969.5	659.8	458.3	201.50	3.274	
11,100.0	7,227.4	11,185.1	7,227.4	103.4	103.3	90.01	905.0	-2,069.5	659.8	453.1	206.73	3.192	
11,200.0	7,228.0	11,285.1	7,228.0	106.0	105.9	90.01	903.9	-2,169.5	659.8	447.8	211.97	3.113	
11,300.0	7,228.5	11,385.1	7,228.6	108.7	108.6	90.01	902.8	-2,269.5	659.8	442.6	217.24	3.037	
11,400.0	7,229.1	11,485.1	7,229.2	111.3	111.2	90.01	901.7	-2,369.5	659.8	437.3	222.52	2.965	
11,500.0	7,229.7	11,585.1	7,229.8	114.0	113.9	90.01	900.6	-2,469.5	659.8	432.0	227.82	2.896	
11,600.0	7,230.3	11,685.1	7,230.4	116.6	116.5	90.01	899.5	-2,569.4	659.8	426.7	233.13	2.830	
11,700.0	7,230.9	11,785.1	7,230.9	119.3	119.2	90.01	898.4	-2,669.4	659.8	421.4	238.46	2.767	
11,800.0	7,231.4	11,885.1	7,231.5	121.9	121.9	90.01	897.3	-2,769.4	659.8	416.0	243.80	2.706	
11,900.0	7,232.0	11,985.1	7,232.1	124.6	124.5	90.01	896.2	-2,869.4	659.8	410.7	249.15	2.648	
12,000.0	7,232.6	12,085.1	7,232.7	127.3	127.2	90.01	895.1	-2,969.4	659.8	405.3	254.51	2.592	
12,100.0	7,233.2	12,185.1	7,233.3	130.0	129.9	90.01	894.1	-3,069.4	659.8	399.9	259.89	2.539	
12,200.0	7,233.8	12,285.1	7,233.8	132.7	132.6	90.01	893.0	-3,169.4	659.8	394.5	265.27	2.487	
12,300.0	7,234.3	12,385.1	7,234.4	135.4	135.3	90.01	891.9	-3,269.4	659.8	389.1	270.66	2.438	
12,400.0	7,234.9	12,485.1	7,235.0	138.1	138.0	90.01	890.8	-3,369.4	659.8	383.7	276.07	2.390	
12,500.0	7,235.5	12,585.1	7,235.6	140.8	140.7	90.01	889.7	-3,469.4	659.8	378.3	281.48	2.344	
12,600.0	7,236.1	12,685.1	7,236.2	143.5	143.4	90.01	888.6	-3,569.4	659.8	372.9	286.90	2.300	
12,700.0	7,236.7	12,785.1	7,236.8	146.2	146.1	90.01	887.5	-3,669.4	659.8	367.5	292.33	2.257	
12,800.0	7,237.2	12,885.1	7,237.3	148.9	148.8	90.01	886.4	-3,769.4	659.8	362.1	297.76	2.216	
12,900.0	7,237.8	12,985.1	7,237.9	151.6	151.6	90.01	885.3	-3,869.3	659.8	356.6	303.20	2.176	
13,000.0	7,238.4	13,085.1	7,238.5	154.4	154.3	90.01	884.2	-3,969.3	659.8	351.2	308.65	2.138	
13,100.0	7,239.0	13,185.1	7,239.1	157.1	157.0	90.01	883.1	-4,069.3	659.8	345.7	314.10	2.101	
13,200.0	7,239.6	13,285.1	7,239.7	159.8	159.7	90.01	882.0	-4,169.3	659.8	340.3	319.56	2.065	
13,300.0	7,240.1	13,385.1	7,240.2	162.6	162.5	90.01	880.9	-4,269.3	659.8	334.8	325.03	2.030	
13,400.0	7,240.7	13,485.1	7,240.8	165.3	165.2	90.01	879.8	-4,369.3	659.8	329.3	330.50	1.996	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 O-27-28HN - Wellbore #1 - Plan #1 (8-02-17) — **Offset Site Error:** 0.0 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
13,500.0	7,241.3	13,585.1	7,241.4	168.0	167.9	90.01	878.7	-4,469.3	659.8	323.8	335.97	1.964	
13,600.0	7,241.9	13,685.1	7,242.0	170.8	170.7	90.01	877.7	-4,569.3	659.8	318.4	341.45	1.932	
13,700.0	7,242.5	13,785.1	7,242.6	173.5	173.4	90.01	876.6	-4,669.3	659.8	312.9	346.93	1.902	
13,800.0	7,243.0	13,885.1	7,243.2	176.3	176.2	90.01	875.5	-4,769.3	659.8	307.4	352.42	1.872	
13,900.0	7,243.6	13,985.1	7,243.7	179.0	178.9	90.01	874.4	-4,869.3	659.8	301.9	357.91	1.844	
14,000.0	7,244.2	14,085.1	7,244.3	181.8	181.7	90.01	873.3	-4,969.3	659.8	296.4	363.41	1.816	
14,100.0	7,244.8	14,185.1	7,244.9	184.5	184.4	90.01	872.2	-5,069.3	659.8	290.9	368.91	1.789	
14,200.0	7,245.4	14,285.1	7,245.5	187.3	187.2	90.01	871.1	-5,169.2	659.8	285.4	374.41	1.762	
14,300.0	7,245.9	14,385.1	7,246.1	190.0	189.9	90.01	870.0	-5,269.2	659.8	279.9	379.92	1.737	
14,400.0	7,246.5	14,485.1	7,246.6	192.8	192.7	90.01	868.9	-5,369.2	659.8	274.4	385.43	1.712	
14,500.0	7,247.1	14,585.1	7,247.2	195.5	195.4	90.01	867.8	-5,469.2	659.8	268.9	390.94	1.688	
14,600.0	7,247.7	14,685.1	7,247.8	198.3	198.2	90.01	866.7	-5,569.2	659.8	263.4	396.46	1.664	
14,700.0	7,248.3	14,785.1	7,248.4	201.0	201.0	90.01	865.6	-5,669.2	659.8	257.8	401.98	1.641	
14,800.0	7,248.8	14,885.1	7,249.0	203.8	203.7	90.01	864.5	-5,769.2	659.8	252.3	407.50	1.619	
14,900.0	7,249.4	14,985.1	7,249.6	206.6	206.5	90.01	863.4	-5,869.2	659.8	246.8	413.02	1.598	
15,000.0	7,250.0	15,085.1	7,250.1	209.3	209.2	90.01	862.3	-5,969.2	659.8	241.3	418.55	1.576	
15,100.0	7,250.6	15,185.1	7,250.7	212.1	212.0	90.01	861.3	-6,069.2	659.8	235.7	424.08	1.556	
15,200.0	7,251.2	15,285.1	7,251.3	214.9	214.8	90.01	860.2	-6,169.2	659.8	230.2	429.61	1.536	
15,300.0	7,251.8	15,385.1	7,251.9	217.6	217.5	90.01	859.1	-6,269.2	659.8	224.7	435.15	1.516	
15,400.0	7,252.3	15,485.1	7,252.5	220.4	220.3	90.01	858.0	-6,369.2	659.8	219.1	440.68	1.497	Level 3
15,500.0	7,252.9	15,585.1	7,253.0	223.2	223.1	90.01	856.9	-6,469.1	659.8	213.6	446.22	1.479	Level 3
15,600.0	7,253.5	15,685.1	7,253.6	225.9	225.8	90.01	855.8	-6,569.1	659.8	208.1	451.76	1.461	Level 3
15,700.0	7,254.1	15,785.1	7,254.2	228.7	228.6	90.01	854.7	-6,669.1	659.8	202.5	457.30	1.443	Level 3
15,800.0	7,254.7	15,885.1	7,254.8	231.5	231.4	90.01	853.6	-6,769.1	659.8	197.0	462.85	1.426	Level 3
15,900.0	7,255.2	15,985.1	7,255.4	234.2	234.2	90.01	852.5	-6,869.1	659.8	191.4	468.39	1.409	Level 3
16,000.0	7,255.8	16,085.1	7,256.0	237.0	236.9	90.01	851.4	-6,969.1	659.8	185.9	473.94	1.392	Level 3
16,100.0	7,256.4	16,185.1	7,256.5	239.8	239.7	90.01	850.3	-7,069.1	659.8	180.3	479.49	1.376	Level 3
16,200.0	7,257.0	16,285.1	7,257.1	242.6	242.5	90.01	849.2	-7,169.1	659.8	174.8	485.04	1.360	Level 3
16,300.0	7,257.6	16,385.1	7,257.7	245.3	245.3	90.01	848.1	-7,269.1	659.8	169.2	490.59	1.345	Level 3
16,400.0	7,258.1	16,485.1	7,258.3	248.1	248.0	90.01	847.0	-7,369.1	659.8	163.7	496.15	1.330	Level 3
16,500.0	7,258.7	16,585.1	7,258.9	250.9	250.8	90.01	846.0	-7,469.1	659.8	158.1	501.70	1.315	Level 3
16,600.0	7,259.3	16,685.1	7,259.5	253.7	253.6	90.01	844.9	-7,569.1	659.8	152.6	507.26	1.301	Level 3
16,700.0	7,259.9	16,785.1	7,260.0	256.5	256.4	90.01	843.8	-7,669.1	659.8	147.0	512.82	1.287	Level 3
16,800.0	7,260.5	16,885.1	7,260.6	259.2	259.2	90.01	842.7	-7,769.0	659.8	141.5	518.37	1.273	Level 3
16,900.0	7,261.0	16,985.1	7,261.2	262.0	261.9	90.01	841.6	-7,869.0	659.8	135.9	523.94	1.259	Level 3
17,000.0	7,261.6	17,085.1	7,261.8	264.8	264.7	90.01	840.5	-7,969.0	659.8	130.3	529.50	1.246	Level 2
17,100.0	7,262.2	17,185.1	7,262.4	267.6	267.5	90.01	839.4	-8,069.0	659.8	124.8	535.06	1.233	Level 2
17,200.0	7,262.8	17,285.1	7,262.9	270.4	270.3	90.01	838.3	-8,169.0	659.8	119.2	540.62	1.221	Level 2
17,300.0	7,263.4	17,385.1	7,263.5	273.1	273.1	90.01	837.2	-8,269.0	659.8	113.6	546.19	1.208	Level 2
17,400.0	7,263.9	17,485.1	7,264.1	275.9	275.8	90.01	836.1	-8,369.0	659.8	108.1	551.76	1.196	Level 2
17,500.0	7,264.5	17,585.1	7,264.7	278.7	278.6	90.01	835.0	-8,469.0	659.8	102.5	557.32	1.184	Level 2
17,600.0	7,265.1	17,685.1	7,265.3	281.5	281.4	90.01	833.9	-8,569.0	659.8	96.9	562.89	1.172	Level 2
17,700.0	7,265.7	17,785.1	7,265.9	284.3	284.2	90.01	832.8	-8,669.0	659.8	91.4	568.46	1.161	Level 2
17,800.0	7,266.3	17,885.1	7,266.4	287.1	287.0	90.02	831.7	-8,769.0	659.8	85.8	574.03	1.149	Level 2
17,900.0	7,266.8	17,985.1	7,267.0	289.9	289.8	90.02	830.6	-8,869.0	659.8	80.2	579.60	1.138	Level 2
18,000.0	7,267.4	18,085.1	7,267.6	292.6	292.6	90.02	829.6	-8,969.0	659.8	74.7	585.18	1.128	Level 2
18,100.0	7,268.0	18,185.1	7,268.2	295.4	295.3	90.02	828.5	-9,068.9	659.8	69.1	590.75	1.117	Level 2
18,200.0	7,268.6	18,285.1	7,268.8	298.2	298.1	90.02	827.4	-9,168.9	659.8	63.5	596.32	1.107	Level 2
18,224.0	7,268.7	18,309.2	7,268.9	298.9	298.8	90.02	827.1	-9,193.0	659.8	62.2	597.66	1.104	Level 2
18,271.8	7,269.0	18,325.8	7,269.0	300.2	299.3	90.02	826.9	-9,209.6	660.6	61.1	599.46	1.102	Level 2, SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 P-27-28HN - Wellbore #1 - Plan #1 (8-02-17)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	0.00	29.9	0.0	29.9				
100.0	100.0	100.0	100.0	0.1	0.1	0.00	29.9	0.0	29.9	29.6	0.22	132.913	
200.0	200.0	200.0	200.0	0.3	0.3	0.00	29.9	0.0	29.9	29.2	0.67	44.304	
300.0	300.0	300.0	300.0	0.6	0.6	-83.49	29.9	0.0	29.7	28.6	1.12	26.634	
389.1	389.0	389.0	389.0	0.8	0.8	-90.00	29.9	0.0	29.5	28.0	1.51	19.533	CC
400.0	399.9	399.9	399.9	0.8	0.8	-91.08	29.9	0.0	29.5	28.0	1.56	18.928	
500.0	499.7	499.7	499.7	1.0	1.0	-103.48	29.9	0.0	30.3	28.3	2.02	15.021	
600.0	599.3	599.3	599.3	1.3	1.2	-118.71	29.9	0.0	33.7	31.2	2.50	13.477	
700.0	698.6	698.6	698.6	1.6	1.5	-133.25	29.9	0.0	40.7	37.7	2.98	13.628	
800.0	797.5	797.5	797.5	1.9	1.7	-144.80	29.9	0.0	51.6	48.1	3.47	14.895	
900.0	896.1	897.4	897.4	2.2	1.9	-152.60	30.3	1.2	65.2	61.3	3.93	16.597	
1,000.0	994.2	997.8	997.7	2.6	2.1	-157.37	31.5	4.8	79.8	75.4	4.39	18.195	
1,100.0	1,091.7	1,098.5	1,098.2	3.1	2.3	-160.40	33.6	11.0	95.0	90.1	4.85	19.569	
1,200.0	1,188.6	1,199.6	1,198.9	3.6	2.6	-162.36	36.6	19.8	110.5	105.1	5.33	20.719	
1,300.0	1,284.9	1,301.1	1,299.7	4.1	2.8	-163.64	40.5	31.1	126.2	120.3	5.82	21.665	
1,400.0	1,380.4	1,403.1	1,400.6	4.7	3.1	-164.45	45.2	45.0	142.0	135.7	6.33	22.426	
1,500.0	1,475.0	1,505.4	1,501.4	5.3	3.4	-164.92	50.8	61.5	158.0	151.1	6.86	23.022	
1,600.0	1,568.9	1,608.2	1,602.2	6.0	3.8	-165.16	57.3	80.6	174.1	166.7	7.42	23.467	
1,645.8	1,611.5	1,655.4	1,648.3	6.4	4.0	-165.20	60.6	90.3	181.5	173.8	7.68	23.620	
1,700.0	1,661.9	1,711.4	1,702.8	6.8	4.2	-165.21	64.8	102.4	189.8	181.8	8.02	23.686	
1,800.0	1,754.8	1,815.4	1,803.5	7.5	4.7	-164.97	73.1	127.0	203.4	194.8	8.66	23.506	
1,900.0	1,847.7	1,920.0	1,904.0	8.3	5.2	-164.44	82.4	154.3	214.6	205.2	9.35	22.960	
2,000.0	1,940.7	2,025.0	2,004.1	9.0	5.7	-163.65	92.7	184.3	223.3	213.2	10.09	22.127	
2,100.0	2,033.6	2,130.3	2,103.6	9.8	6.4	-162.60	103.8	217.1	229.5	218.6	10.90	21.055	
2,200.0	2,126.5	2,235.8	2,202.2	10.6	7.1	-161.27	115.9	252.4	233.4	221.6	11.80	19.789	
2,300.0	2,219.4	2,341.3	2,299.8	11.4	7.8	-159.65	128.8	290.4	235.0	222.2	12.79	18.369	
2,400.0	2,312.3	2,446.6	2,396.0	12.1	8.6	-157.68	142.6	330.8	234.4	220.5	13.92	16.838	
2,500.0	2,405.3	2,546.9	2,487.1	12.9	9.5	-155.57	156.2	370.8	232.7	217.5	15.15	15.355	
2,600.0	2,498.2	2,646.6	2,577.4	13.7	10.3	-153.44	169.7	410.5	231.2	214.7	16.47	14.035	
2,700.0	2,591.1	2,746.2	2,667.8	14.5	11.1	-151.28	183.3	450.2	230.0	212.1	17.88	12.862	
2,800.0	2,684.0	2,845.8	2,758.1	15.3	12.0	-149.11	196.8	490.0	229.2	209.8	19.38	11.822	
2,900.0	2,776.9	2,945.4	2,848.4	16.0	12.8	-146.92	210.4	529.7	228.7	207.7	20.97	10.903	
2,997.9	2,867.9	3,042.9	2,936.9	16.8	13.7	-144.77	223.6	568.6	228.5	205.9	22.61	10.108	
3,000.0	2,869.9	3,045.0	2,938.8	16.8	13.7	-144.73	223.9	569.4	228.5	205.9	22.64	10.092	
3,100.0	2,962.8	3,144.6	3,029.1	17.6	14.6	-142.53	237.4	609.1	228.7	204.3	24.39	9.378	
3,200.0	3,055.7	3,244.2	3,119.5	18.4	15.4	-140.35	251.0	648.9	229.2	203.0	26.20	8.749	
3,300.0	3,148.6	3,343.9	3,209.8	19.2	16.3	-138.17	264.5	688.6	230.0	202.0	28.07	8.196	
3,400.0	3,241.6	3,443.5	3,300.1	20.0	17.2	-136.02	278.0	728.3	231.2	201.2	29.99	7.711	
3,500.0	3,334.5	3,543.1	3,390.5	20.7	18.1	-133.89	291.6	768.1	232.7	200.8	31.95	7.284	
3,600.0	3,427.4	3,642.7	3,480.8	21.5	18.9	-131.79	305.1	807.8	234.5	200.6	33.95	6.909	
3,700.0	3,520.3	3,742.3	3,571.2	22.3	19.8	-129.72	318.6	847.5	236.7	200.7	35.98	6.579	
3,800.0	3,613.2	3,841.9	3,661.5	23.1	20.7	-127.70	332.2	887.3	239.1	201.1	38.02	6.289	
3,900.0	3,706.2	3,941.5	3,751.8	23.9	21.6	-125.72	345.7	927.0	241.9	201.8	40.08	6.034	
4,000.0	3,799.1	4,041.2	3,842.2	24.7	22.5	-123.78	359.3	966.7	244.9	202.7	42.15	5.810	
4,100.0	3,892.0	4,140.8	3,932.5	25.5	23.4	-121.89	372.8	1,006.4	248.2	204.0	44.21	5.613	
4,200.0	3,984.9	4,240.4	4,022.9	26.2	24.2	-120.05	386.3	1,046.2	251.7	205.4	46.28	5.440	
4,300.0	4,077.8	4,340.0	4,113.2	27.0	25.1	-118.27	399.9	1,085.9	255.5	207.2	48.33	5.287	
4,400.0	4,170.8	4,439.6	4,203.5	27.8	26.0	-116.54	413.4	1,125.6	259.6	209.2	50.37	5.153	
4,500.0	4,263.7	4,539.2	4,293.9	28.6	26.9	-114.86	426.9	1,165.4	263.9	211.5	52.40	5.035	
4,600.0	4,356.6	4,638.8	4,384.2	29.4	27.8	-113.24	440.5	1,205.1	268.4	214.0	54.41	4.932	
4,700.0	4,449.5	4,738.4	4,474.6	30.2	28.7	-111.68	454.0	1,244.8	273.1	216.7	56.41	4.841	
4,800.0	4,542.5	4,838.1	4,564.9	31.0	29.6	-110.16	467.5	1,284.5	278.0	219.6	58.38	4.762	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 P-27-28HN - Wellbore #1 - Plan #1 (8-02-17)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
4,900.0	4,635.4	4,937.7	4,655.2	31.8	30.5	-108.70	481.1	1,324.3	283.1	222.8	60.33	4.692	
5,000.0	4,728.3	5,037.3	4,745.6	32.5	31.3	-107.30	494.6	1,364.0	288.4	226.1	62.26	4.632	
5,100.0	4,821.2	5,136.9	4,835.9	33.3	32.2	-105.94	508.2	1,403.7	293.8	229.6	64.16	4.579	
5,200.0	4,914.1	5,236.5	4,926.3	34.1	33.1	-104.63	521.7	1,443.5	299.4	233.3	66.05	4.533	
5,300.0	5,007.1	5,336.1	5,016.6	34.9	34.0	-103.37	535.2	1,483.2	305.1	237.2	67.91	4.493	
5,336.9	5,041.3	5,372.9	5,049.9	35.2	34.3	-102.92	540.2	1,497.8	307.3	238.7	68.59	4.480	
5,400.0	5,100.2	5,435.7	5,106.9	35.6	34.9	-102.11	548.8	1,522.9	310.9	241.2	69.71	4.460	
5,500.0	5,194.5	5,535.0	5,197.0	36.2	35.8	-100.36	562.3	1,562.5	316.2	244.8	71.38	4.430	
5,600.0	5,289.9	5,634.2	5,287.7	36.7	36.5	-98.39	575.2	1,600.5	321.3	248.5	72.82	4.412	
5,700.0	5,386.3	5,733.8	5,380.2	37.2	37.2	-96.47	587.1	1,635.6	326.2	252.2	74.03	4.407	
5,800.0	5,483.6	5,833.9	5,474.3	37.6	37.7	-94.61	598.1	1,667.7	331.0	255.9	75.07	4.409	
5,900.0	5,581.6	5,934.4	5,569.9	37.9	38.3	-92.79	608.0	1,696.9	335.5	259.6	75.93	4.419	
6,000.0	5,680.3	6,035.3	5,667.0	38.2	38.7	-91.00	616.9	1,722.9	339.8	263.2	76.62	4.436	
6,100.0	5,779.4	6,136.7	5,765.5	38.4	39.2	-89.25	624.7	1,745.8	343.9	266.8	77.14	4.458	
6,200.0	5,879.0	6,238.5	5,865.1	38.6	39.5	-87.52	631.4	1,765.5	347.7	270.2	77.50	4.487	
6,300.0	5,978.8	6,340.7	5,965.8	38.8	39.8	-85.82	637.0	1,781.9	351.2	273.5	77.69	4.521	
6,400.0	6,078.7	6,443.4	6,067.6	38.9	40.1	-84.14	641.4	1,794.9	354.5	276.7	77.74	4.560	
6,421.3	6,100.0	6,465.2	6,089.3	38.9	40.1	-2.79	642.2	1,797.2	355.1	316.3	38.77	9.159	
6,500.0	6,178.7	6,546.5	6,170.2	38.9	40.3	-1.61	644.7	1,804.5	357.2	317.7	39.53	9.036	
6,600.0	6,278.7	6,650.3	6,273.8	39.0	40.5	-0.63	646.8	1,810.6	359.1	318.8	40.29	8.914	
6,700.0	6,378.7	6,754.4	6,377.9	39.1	40.6	-0.22	647.6	1,813.1	360.0	319.2	40.77	8.830	
6,800.0	6,478.7	6,855.3	6,478.7	39.2	40.6	-0.21	647.7	1,813.2	360.0	318.9	41.04	8.771	
6,814.2	6,493.0	6,869.5	6,493.0	39.2	40.7	-0.21	647.7	1,813.2	360.0	318.9	41.08	8.763	
6,850.0	6,528.7	6,905.3	6,528.7	39.2	40.7	90.57	647.7	1,813.2	360.0	282.0	77.95	4.618	
6,900.0	6,578.5	6,955.1	6,578.6	39.2	40.7	91.23	647.7	1,813.2	360.1	282.2	77.80	4.628	
6,950.0	6,627.9	7,005.6	6,629.0	39.1	40.7	92.11	647.7	1,811.0	360.2	282.7	77.52	4.646	
7,000.0	6,676.7	7,056.4	6,679.5	39.0	40.7	92.99	647.6	1,805.2	360.5	283.3	77.16	4.672	
7,050.0	6,724.5	7,107.7	6,729.8	38.9	40.6	93.85	647.5	1,795.8	360.8	284.1	76.73	4.702	
7,100.0	6,771.2	7,159.3	6,779.8	38.8	40.5	94.69	647.3	1,782.7	361.2	284.9	76.24	4.737	
7,150.0	6,816.6	7,211.4	6,829.1	38.7	40.4	95.52	647.2	1,765.9	361.7	285.9	75.72	4.776	
7,200.0	6,860.3	7,263.9	6,877.4	38.5	40.3	96.31	646.9	1,745.3	362.2	287.0	75.17	4.818	
7,250.0	6,902.3	7,316.8	6,924.4	38.3	40.1	97.08	646.7	1,721.1	362.8	288.1	74.62	4.861	
7,300.0	6,942.3	7,370.1	6,969.8	38.2	39.9	97.81	646.3	1,693.2	363.4	289.3	74.07	4.905	
7,350.0	6,980.1	7,423.8	7,013.3	38.0	39.8	98.50	646.0	1,661.8	364.0	290.4	73.56	4.948	
7,400.0	7,015.6	7,477.9	7,054.7	37.9	39.6	99.15	645.6	1,627.0	364.6	291.5	73.09	4.988	
7,450.0	7,048.4	7,532.3	7,093.5	37.8	39.5	99.74	645.2	1,588.9	365.3	292.6	72.69	5.025	
7,500.0	7,078.6	7,587.0	7,129.5	37.7	39.3	100.29	644.7	1,547.7	365.9	293.5	72.37	5.055	
7,550.0	7,105.9	7,642.1	7,162.5	37.6	39.2	100.79	644.2	1,503.6	366.5	294.3	72.15	5.079	
7,600.0	7,130.3	7,697.4	7,192.1	37.6	39.1	101.23	643.7	1,456.9	367.0	295.0	72.05	5.094	
7,650.0	7,151.5	7,753.0	7,218.2	37.6	39.1	101.61	643.2	1,407.8	367.5	295.4	72.07	5.099	
7,700.0	7,169.5	7,808.8	7,240.4	37.6	39.1	101.92	642.6	1,356.6	367.9	295.7	72.22	5.094	
7,750.0	7,184.2	7,864.8	7,258.6	37.7	39.2	102.17	642.0	1,303.7	368.2	295.7	72.51	5.078	
7,800.0	7,195.6	7,920.9	7,272.7	37.9	39.3	102.36	641.4	1,249.4	368.5	295.6	72.94	5.052	
7,850.0	7,203.5	7,977.2	7,282.4	38.1	39.5	102.48	640.8	1,194.0	368.7	295.2	73.49	5.017	
7,900.0	7,208.0	8,033.5	7,287.8	38.3	39.7	102.53	640.2	1,138.0	368.7	294.6	74.15	4.973	
7,934.9	7,209.0	8,072.5	7,289.0	38.5	39.8	102.53	639.8	1,099.0	368.7	294.1	74.67	4.938	
7,934.9	7,209.0	8,072.5	7,289.0	38.5	39.8	102.53	639.8	1,099.0	368.7	294.1	74.67	4.938	
7,936.3	7,209.0	8,073.9	7,289.0	38.5	39.9	102.53	639.8	1,097.6	368.7	294.0	74.69	4.937	
8,000.0	7,209.4	8,137.6	7,289.3	38.8	40.2	102.52	639.1	1,033.9	368.7	293.2	75.49	4.884	
8,100.0	7,210.0	8,237.6	7,289.7	39.6	40.9	102.50	638.0	933.9	368.7	291.7	77.02	4.787	
8,200.0	7,210.5	8,337.6	7,290.2	40.5	41.7	102.47	636.9	833.9	368.6	289.7	78.90	4.672	
8,300.0	7,211.1	8,437.6	7,290.6	41.6	42.7	102.45	635.8	733.9	368.6	287.5	81.11	4.544	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 P-27-28HN - Wellbore #1 - Plan #1 (8-02-17)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,400.0	7,211.7	8,537.6	7,291.0	42.9	43.9	102.43	634.7	633.9	368.6	285.0	83.63	4.407	
8,500.0	7,212.3	8,637.6	7,291.5	44.3	45.3	102.41	633.6	533.9	368.6	282.1	86.42	4.265	
8,600.0	7,212.9	8,737.6	7,291.9	45.8	46.7	102.39	632.5	433.9	368.5	279.1	89.47	4.119	
8,700.0	7,213.4	8,837.6	7,292.3	47.4	48.3	102.36	631.4	333.9	368.5	275.7	92.74	3.973	
8,800.0	7,214.0	8,937.6	7,292.8	49.2	50.0	102.34	630.3	234.0	368.5	272.2	96.21	3.830	
8,900.0	7,214.6	9,037.6	7,293.2	51.0	51.8	102.32	629.2	134.0	368.4	268.5	99.87	3.689	
9,000.0	7,215.2	9,137.6	7,293.6	53.0	53.8	102.30	628.1	34.0	368.4	264.7	103.69	3.553	
9,100.0	7,215.8	9,237.6	7,294.1	55.0	55.7	102.28	627.0	-66.0	368.4	260.7	107.66	3.421	
9,200.0	7,216.3	9,337.6	7,294.5	57.1	57.8	102.25	625.9	-166.0	368.3	256.6	111.76	3.296	
9,300.0	7,216.9	9,437.6	7,295.0	59.2	59.9	102.23	624.8	-266.0	368.3	252.3	115.98	3.176	
9,400.0	7,217.5	9,537.6	7,295.4	61.4	62.1	102.21	623.7	-366.0	368.3	248.0	120.30	3.061	
9,500.0	7,218.1	9,637.6	7,295.8	63.7	64.3	102.19	622.6	-466.0	368.2	243.5	124.71	2.953	
9,600.0	7,218.7	9,737.6	7,296.3	65.9	66.6	102.17	621.5	-566.0	368.2	239.0	129.21	2.850	
9,700.0	7,219.2	9,837.6	7,296.7	68.3	68.9	102.15	620.4	-666.0	368.2	234.4	133.79	2.752	
9,800.0	7,219.8	9,937.6	7,297.1	70.6	71.3	102.12	619.3	-766.0	368.1	229.7	138.43	2.659	
9,900.0	7,220.4	10,037.6	7,297.6	73.0	73.7	102.10	618.2	-866.0	368.1	225.0	143.14	2.572	
10,000.0	7,221.0	10,137.6	7,298.0	75.5	76.1	102.08	617.1	-966.0	368.1	220.2	147.90	2.489	
10,100.0	7,221.6	10,237.6	7,298.4	77.9	78.5	102.06	616.1	-1,066.0	368.0	215.3	152.71	2.410	
10,200.0	7,222.1	10,337.6	7,298.9	80.4	81.0	102.04	615.0	-1,165.9	368.0	210.4	157.57	2.335	
10,300.0	7,222.7	10,437.6	7,299.3	82.9	83.5	102.01	613.9	-1,265.9	368.0	205.5	162.48	2.265	
10,400.0	7,223.3	10,537.6	7,299.8	85.4	86.0	101.99	612.8	-1,365.9	367.9	200.5	167.42	2.198	
10,500.0	7,223.9	10,637.6	7,300.2	87.9	88.5	101.97	611.7	-1,465.9	367.9	195.5	172.39	2.134	
10,600.0	7,224.5	10,737.6	7,300.6	90.5	91.1	101.95	610.6	-1,565.9	367.9	190.5	177.40	2.074	
10,700.0	7,225.0	10,837.6	7,301.1	93.0	93.6	101.93	609.5	-1,665.9	367.8	185.4	182.44	2.016	
10,800.0	7,225.6	10,937.6	7,301.5	95.6	96.2	101.90	608.4	-1,765.9	367.8	180.3	187.51	1.962	
10,900.0	7,226.2	11,037.6	7,301.9	98.2	98.8	101.88	607.3	-1,865.9	367.8	175.2	192.60	1.910	
11,000.0	7,226.8	11,137.6	7,302.4	100.8	101.4	101.86	606.2	-1,965.9	367.8	170.0	197.72	1.860	
11,100.0	7,227.4	11,237.6	7,302.8	103.4	104.0	101.84	605.1	-2,065.9	367.7	164.9	202.86	1.813	
11,200.0	7,228.0	11,337.6	7,303.2	106.0	106.6	101.82	604.0	-2,165.9	367.7	159.7	208.01	1.768	
11,300.0	7,228.5	11,437.6	7,303.7	108.7	109.2	101.79	602.9	-2,265.9	367.7	154.5	213.19	1.725	
11,400.0	7,229.1	11,537.6	7,304.1	111.3	111.9	101.77	601.8	-2,365.9	367.6	149.2	218.39	1.683	
11,500.0	7,229.7	11,637.6	7,304.5	114.0	114.5	101.75	600.7	-2,465.9	367.6	144.0	223.60	1.644	
11,600.0	7,230.3	11,737.6	7,305.0	116.6	117.2	101.73	599.6	-2,565.8	367.6	138.7	228.82	1.606	
11,700.0	7,230.9	11,837.6	7,305.4	119.3	119.9	101.71	598.5	-2,665.8	367.5	133.5	234.06	1.570	
11,800.0	7,231.4	11,937.6	7,305.9	121.9	122.5	101.68	597.4	-2,765.8	367.5	128.2	239.32	1.536	
11,900.0	7,232.0	12,037.6	7,306.3	124.6	125.2	101.66	596.3	-2,865.8	367.5	122.9	244.59	1.502	
12,000.0	7,232.6	12,137.6	7,306.7	127.3	127.9	101.64	595.2	-2,965.8	367.4	117.6	249.86	1.471	Level 3
12,100.0	7,233.2	12,237.6	7,307.2	130.0	130.6	101.62	594.1	-3,065.8	367.4	112.3	255.16	1.440	Level 3
12,200.0	7,233.8	12,337.6	7,307.6	132.7	133.3	101.60	593.1	-3,165.8	367.4	106.9	260.46	1.411	Level 3
12,300.0	7,234.3	12,437.6	7,308.0	135.4	136.0	101.57	592.0	-3,265.8	367.3	101.6	265.77	1.382	Level 3
12,400.0	7,234.9	12,537.6	7,308.5	138.1	138.7	101.55	590.9	-3,365.8	367.3	96.2	271.09	1.355	Level 3
12,500.0	7,235.5	12,637.6	7,308.9	140.8	141.4	101.53	589.8	-3,465.8	367.3	90.9	276.42	1.329	Level 3
12,600.0	7,236.1	12,737.6	7,309.3	143.5	144.1	101.51	588.7	-3,565.8	367.3	85.5	281.76	1.303	Level 3
12,700.0	7,236.7	12,837.6	7,309.8	146.2	146.8	101.49	587.6	-3,665.8	367.2	80.1	287.10	1.279	Level 3
12,800.0	7,237.2	12,937.6	7,310.2	148.9	149.5	101.46	586.5	-3,765.8	367.2	74.7	292.46	1.256	Level 3
12,900.0	7,237.8	13,037.6	7,310.7	151.6	152.2	101.44	585.4	-3,865.8	367.2	69.4	297.82	1.233	Level 2
13,000.0	7,238.4	13,137.6	7,311.1	154.4	154.9	101.42	584.3	-3,965.7	367.1	64.0	303.18	1.211	Level 2
13,100.0	7,239.0	13,237.6	7,311.5	157.1	157.7	101.40	583.2	-4,065.7	367.1	58.5	308.56	1.190	Level 2
13,200.0	7,239.6	13,337.6	7,312.0	159.8	160.4	101.38	582.1	-4,165.7	367.1	53.1	313.94	1.169	Level 2
13,300.0	7,240.1	13,437.6	7,312.4	162.6	163.1	101.35	581.0	-4,265.7	367.0	47.7	319.33	1.149	Level 2
13,400.0	7,240.7	13,537.6	7,312.8	165.3	165.9	101.33	579.9	-4,365.7	367.0	42.3	324.72	1.130	Level 2
13,500.0	7,241.3	13,637.6	7,313.3	168.0	168.6	101.31	578.8	-4,465.7	367.0	36.9	330.12	1.112	Level 2

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 P-27-28HN - Wellbore #1 - Plan #1 (8-02-17) — **Offset Site Error:** 0.0 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
13,600.0	7,241.9	13,737.6	7,313.7	170.8	171.3	101.29	577.7	-4,565.7	367.0	31.4	335.52	1.094	Level 2
13,700.0	7,242.5	13,837.6	7,314.1	173.5	174.1	101.26	576.6	-4,665.7	366.9	26.0	340.93	1.076	Level 2
13,800.0	7,243.0	13,937.6	7,314.6	176.3	176.8	101.24	575.5	-4,765.7	366.9	20.6	346.34	1.059	Level 2
13,900.0	7,243.6	14,037.6	7,315.0	179.0	179.6	101.22	574.4	-4,865.7	366.9	15.1	351.76	1.043	Level 2
14,000.0	7,244.2	14,137.6	7,315.4	181.8	182.3	101.20	573.3	-4,965.7	366.8	9.7	357.19	1.027	Level 2
14,100.0	7,244.8	14,237.6	7,315.9	184.5	185.1	101.18	572.2	-5,065.7	366.8	4.2	362.61	1.012	Level 2
14,200.0	7,245.4	14,337.6	7,316.3	187.3	187.8	101.15	571.1	-5,165.7	366.8	-1.3	368.04	0.997	Level 1
14,300.0	7,245.9	14,437.6	7,316.8	190.0	190.6	101.13	570.0	-5,265.7	366.7	-6.7	373.48	0.982	Level 1
14,400.0	7,246.5	14,537.6	7,317.2	192.8	193.3	101.11	569.0	-5,365.7	366.7	-12.2	378.92	0.968	Level 1
14,500.0	7,247.1	14,637.6	7,317.6	195.5	196.1	101.09	567.9	-5,465.6	366.7	-17.7	384.36	0.954	Level 1
14,600.0	7,247.7	14,737.6	7,318.1	198.3	198.8	101.07	566.8	-5,565.6	366.7	-23.1	389.81	0.941	Level 1
14,700.0	7,248.3	14,837.6	7,318.5	201.0	201.6	101.04	565.7	-5,665.6	366.6	-28.6	395.26	0.928	Level 1
14,800.0	7,248.8	14,937.6	7,318.9	203.8	204.4	101.02	564.6	-5,765.6	366.6	-34.1	400.71	0.915	Level 1
14,900.0	7,249.4	15,037.6	7,319.4	206.6	207.1	101.00	563.5	-5,865.6	366.6	-39.6	406.17	0.903	Level 1
15,000.0	7,250.0	15,137.6	7,319.8	209.3	209.9	100.98	562.4	-5,965.6	366.5	-45.1	411.63	0.890	Level 1
15,100.0	7,250.6	15,237.6	7,320.2	212.1	212.6	100.96	561.3	-6,065.6	366.5	-50.6	417.09	0.879	Level 1
15,200.0	7,251.2	15,337.6	7,320.7	214.9	215.4	100.93	560.2	-6,165.6	366.5	-56.1	422.56	0.867	Level 1
15,300.0	7,251.8	15,437.6	7,321.1	217.6	218.2	100.91	559.1	-6,265.6	366.5	-61.6	428.03	0.856	Level 1
15,400.0	7,252.3	15,537.6	7,321.6	220.4	220.9	100.89	558.0	-6,365.6	366.4	-67.1	433.50	0.845	Level 1
15,500.0	7,252.9	15,637.6	7,322.0	223.2	223.7	100.87	556.9	-6,465.6	366.4	-72.6	438.97	0.835	Level 1
15,600.0	7,253.5	15,737.6	7,322.4	225.9	226.5	100.84	555.8	-6,565.6	366.4	-78.1	444.45	0.824	Level 1
15,700.0	7,254.1	15,837.6	7,322.9	228.7	229.3	100.82	554.7	-6,665.6	366.3	-83.6	449.93	0.814	Level 1
15,800.0	7,254.7	15,937.6	7,323.3	231.5	232.0	100.80	553.6	-6,765.6	366.3	-89.1	455.41	0.804	Level 1
15,900.0	7,255.2	16,037.6	7,323.7	234.2	234.8	100.78	552.5	-6,865.5	366.3	-94.6	460.90	0.795	Level 1
16,000.0	7,255.8	16,137.6	7,324.2	237.0	237.6	100.76	551.4	-6,965.5	366.3	-100.1	466.39	0.785	Level 1
16,100.0	7,256.4	16,237.6	7,324.6	239.8	240.3	100.73	550.3	-7,065.5	366.2	-105.6	471.87	0.776	Level 1
16,200.0	7,257.0	16,337.6	7,325.0	242.6	243.1	100.71	549.2	-7,165.5	366.2	-111.2	477.37	0.767	Level 1
16,300.0	7,257.6	16,437.6	7,325.5	245.3	245.9	100.69	548.1	-7,265.5	366.2	-116.7	482.86	0.758	Level 1
16,400.0	7,258.1	16,537.6	7,325.9	248.1	248.7	100.67	547.0	-7,365.5	366.1	-122.2	488.36	0.750	Level 1
16,500.0	7,258.7	16,637.6	7,326.3	250.9	251.4	100.65	546.0	-7,465.5	366.1	-127.7	493.85	0.741	Level 1
16,600.0	7,259.3	16,737.6	7,326.8	253.7	254.2	100.62	544.9	-7,565.5	366.1	-133.3	499.36	0.733	Level 1
16,700.0	7,259.9	16,837.6	7,327.2	256.5	257.0	100.60	543.8	-7,665.5	366.1	-138.8	504.86	0.725	Level 1
16,800.0	7,260.5	16,937.6	7,327.7	259.2	259.8	100.58	542.7	-7,765.5	366.0	-144.3	510.36	0.717	Level 1
16,900.0	7,261.0	17,037.6	7,328.1	262.0	262.6	100.56	541.6	-7,865.5	366.0	-149.9	515.87	0.709	Level 1
17,000.0	7,261.6	17,137.6	7,328.5	264.8	265.3	100.53	540.5	-7,965.5	366.0	-155.4	521.38	0.702	Level 1
17,100.0	7,262.2	17,237.6	7,329.0	267.6	268.1	100.51	539.4	-8,065.5	365.9	-160.9	526.89	0.695	Level 1
17,200.0	7,262.8	17,337.6	7,329.4	270.4	270.9	100.49	538.3	-8,165.5	365.9	-166.5	532.40	0.687	Level 1
17,300.0	7,263.4	17,437.6	7,329.8	273.1	273.7	100.47	537.2	-8,265.4	365.9	-172.0	537.91	0.680	Level 1
17,400.0	7,263.9	17,537.6	7,330.3	275.9	276.5	100.45	536.1	-8,365.4	365.9	-177.6	543.43	0.673	Level 1
17,500.0	7,264.5	17,637.6	7,330.7	278.7	279.3	100.42	535.0	-8,465.4	365.8	-183.1	548.94	0.666	Level 1
17,600.0	7,265.1	17,737.6	7,331.1	281.5	282.0	100.40	533.9	-8,565.4	365.8	-188.7	554.46	0.660	Level 1
17,700.0	7,265.7	17,837.6	7,331.6	284.3	284.8	100.38	532.8	-8,665.4	365.8	-194.2	559.98	0.653	Level 1
17,800.0	7,266.3	17,937.6	7,332.0	287.1	287.6	100.36	531.7	-8,765.4	365.7	-199.8	565.50	0.647	Level 1
17,900.0	7,266.8	18,037.6	7,332.5	289.9	290.4	100.33	530.6	-8,865.4	365.7	-205.3	571.03	0.640	Level 1
18,000.0	7,267.4	18,137.6	7,332.9	292.6	293.2	100.31	529.5	-8,965.4	365.7	-210.9	576.55	0.634	Level 1
18,100.0	7,268.0	18,237.6	7,333.3	295.4	296.0	100.29	528.4	-9,065.4	365.7	-216.4	582.08	0.628	Level 1
18,200.0	7,268.6	18,337.6	7,333.8	298.2	298.8	100.27	527.3	-9,165.4	365.6	-222.0	587.61	0.622	Level 1
18,246.1	7,268.9	18,383.7	7,334.0	299.5	300.0	100.26	526.8	-9,211.4	365.6	-224.5	590.15	0.620	Level 1
18,271.8	7,269.0	18,392.8	7,334.0	300.2	300.3	100.26	526.7	-9,220.6	366.0	-225.1	591.12	0.619	Level 1, ES, SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 Q-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	0.00	14.9	0.0	14.9	14.9	0.00	N/A	
100.0	100.0	100.0	100.0	0.1	0.1	0.00	14.9	0.0	14.9	14.7	0.22	66.474	
200.0	200.0	200.0	200.0	0.3	0.3	0.00	14.9	0.0	14.9	14.3	0.67	22.158	
300.0	300.0	300.0	300.0	0.6	0.6	-86.01	14.9	0.0	14.8	13.7	1.11	13.268	
333.7	333.7	333.7	333.7	0.6	0.6	-90.00	14.9	0.0	14.8	13.5	1.26	11.667	CC
400.0	399.9	399.9	399.9	0.8	0.8	-101.08	14.9	0.0	15.0	13.5	1.56	9.643	
500.0	499.7	499.7	499.7	1.0	1.0	-122.51	14.9	0.0	17.5	15.5	2.02	8.654	
600.0	599.3	599.7	599.7	1.3	1.2	-139.24	15.2	1.3	22.8	20.3	2.49	9.166	
700.0	698.6	699.9	699.8	1.6	1.4	-148.82	16.2	5.1	29.4	26.4	2.94	9.979	
800.0	797.5	800.3	800.0	1.9	1.7	-154.51	17.7	11.5	36.6	33.1	3.41	10.730	
900.0	896.1	901.0	900.2	2.2	1.9	-158.05	19.9	20.4	44.0	40.2	3.88	11.355	
1,000.0	994.2	1,001.8	1,000.3	2.6	2.2	-160.32	22.7	32.0	51.7	47.4	4.36	11.853	
1,100.0	1,091.7	1,102.8	1,100.3	3.1	2.5	-161.81	26.1	46.1	59.5	54.6	4.86	12.238	
1,200.0	1,188.6	1,204.1	1,200.1	3.6	2.8	-162.78	30.1	62.9	67.3	62.0	5.38	12.524	
1,300.0	1,284.9	1,305.5	1,299.6	4.1	3.2	-163.38	34.8	82.3	75.2	69.3	5.91	12.725	
1,400.0	1,380.4	1,407.2	1,398.7	4.7	3.6	-163.72	40.1	104.2	83.2	76.7	6.47	12.850	
1,500.0	1,475.0	1,509.0	1,497.3	5.3	4.1	-163.87	46.0	128.8	91.1	84.1	7.06	12.906	
1,600.0	1,568.9	1,611.1	1,595.5	6.0	4.6	-163.86	52.5	156.0	99.1	91.4	7.67	12.911	
1,645.8	1,611.5	1,657.9	1,640.3	6.4	4.9	-163.82	55.7	169.3	102.7	94.8	7.97	12.892	
1,700.0	1,661.9	1,713.4	1,693.1	6.8	5.2	-163.70	59.7	185.8	106.7	98.3	8.34	12.792	
1,800.0	1,754.8	1,816.0	1,790.1	7.5	5.8	-163.12	67.5	218.2	112.1	103.0	9.07	12.353	
1,900.0	1,847.7	1,918.8	1,886.4	8.3	6.5	-162.08	76.0	253.2	114.9	105.1	9.87	11.641	
2,000.0	1,940.7	2,020.3	1,980.6	9.0	7.3	-160.63	84.8	290.1	115.6	104.9	10.76	10.745	
2,100.0	2,033.6	2,120.3	2,073.2	9.8	8.0	-159.12	93.7	326.7	116.0	104.3	11.71	9.909	
2,200.0	2,126.5	2,220.2	2,165.8	10.6	8.8	-157.63	102.5	363.3	116.5	103.8	12.71	9.165	
2,300.0	2,219.4	2,320.2	2,258.3	11.4	9.5	-156.15	111.3	400.0	117.0	103.2	13.76	8.500	
2,400.0	2,312.3	2,420.1	2,350.9	12.1	10.3	-154.68	120.1	436.6	117.6	102.7	14.87	7.907	
2,500.0	2,405.3	2,520.1	2,443.5	12.9	11.1	-153.24	129.0	473.2	118.3	102.2	16.04	7.376	
2,600.0	2,498.2	2,620.1	2,536.1	13.7	11.9	-151.80	137.8	509.9	119.0	101.8	17.25	6.902	
2,700.0	2,591.1	2,720.0	2,628.6	14.5	12.7	-150.39	146.6	546.5	119.9	101.4	18.51	6.477	
2,800.0	2,684.0	2,820.0	2,721.2	15.3	13.4	-149.00	155.4	583.1	120.8	101.0	19.82	6.095	
2,900.0	2,776.9	2,919.9	2,813.8	16.0	14.2	-147.63	164.3	619.8	121.8	100.6	21.17	5.752	
3,000.0	2,869.9	3,019.9	2,906.4	16.8	15.0	-146.28	173.1	656.4	122.8	100.2	22.56	5.444	
3,100.0	2,962.8	3,119.8	2,999.0	17.6	15.8	-144.95	181.9	693.0	123.9	99.9	23.99	5.165	
3,200.0	3,055.7	3,219.8	3,091.5	18.4	16.6	-143.65	190.8	729.7	125.1	99.6	25.46	4.914	
3,300.0	3,148.6	3,319.7	3,184.1	19.2	17.4	-142.38	199.6	766.3	126.3	99.4	26.96	4.687	
3,400.0	3,241.6	3,419.7	3,276.7	20.0	18.2	-141.13	208.4	802.9	127.6	99.1	28.49	4.481	
3,500.0	3,334.5	3,519.6	3,369.3	20.7	19.0	-139.90	217.2	839.6	129.0	98.9	30.04	4.294	
3,600.0	3,427.4	3,619.6	3,461.8	21.5	19.8	-138.70	226.1	876.2	130.4	98.8	31.63	4.123	
3,700.0	3,520.3	3,719.5	3,554.4	22.3	20.6	-137.53	234.9	912.8	131.9	98.7	33.24	3.968	
3,800.0	3,613.2	3,819.5	3,647.0	23.1	21.4	-136.39	243.7	949.5	133.4	98.6	34.86	3.827	
3,900.0	3,706.2	3,919.4	3,739.6	23.9	22.2	-135.27	252.5	986.1	135.0	98.5	36.51	3.697	
4,000.0	3,799.1	4,019.4	3,832.2	24.7	22.9	-134.17	261.4	1,022.7	136.6	98.4	38.18	3.579	
4,100.0	3,892.0	4,119.3	3,924.7	25.5	23.7	-133.11	270.2	1,059.4	138.3	98.4	39.86	3.470	
4,200.0	3,984.9	4,219.3	4,017.3	26.2	24.5	-132.06	279.0	1,096.0	140.0	98.5	41.55	3.370	
4,300.0	4,077.8	4,319.3	4,109.9	27.0	25.3	-131.05	287.8	1,132.6	141.8	98.5	43.26	3.278	
4,400.0	4,170.8	4,419.2	4,202.5	27.8	26.1	-130.06	296.7	1,169.3	143.6	98.6	44.97	3.193	
4,500.0	4,263.7	4,519.2	4,295.0	28.6	26.9	-129.09	305.5	1,205.9	145.5	98.8	46.70	3.115	
4,600.0	4,356.6	4,619.1	4,387.6	29.4	27.7	-128.15	314.3	1,242.6	147.4	98.9	48.43	3.043	
4,700.0	4,449.5	4,719.1	4,480.2	30.2	28.5	-127.24	323.2	1,279.2	149.3	99.1	50.17	2.976	
4,800.0	4,542.5	4,819.0	4,572.8	31.0	29.3	-126.34	332.0	1,315.8	151.3	99.4	51.92	2.914	
4,900.0	4,635.4	4,919.0	4,665.4	31.8	30.1	-125.47	340.8	1,352.5	153.3	99.6	53.67	2.856	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 Q-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.0	4,728.3	5,018.9	4,757.9	32.5	30.9	-124.63	349.6	1,389.1	155.3	99.9	55.42	2.803	
5,100.0	4,821.2	5,118.9	4,850.5	33.3	31.7	-123.80	358.5	1,425.7	157.4	100.2	57.18	2.753	
5,200.0	4,914.1	5,218.8	4,943.1	34.1	32.5	-123.00	367.3	1,462.4	159.5	100.6	58.94	2.707	
5,300.0	5,007.1	5,318.8	5,035.7	34.9	33.3	-122.22	376.1	1,499.0	161.7	101.0	60.70	2.663	
5,336.9	5,041.3	5,355.7	5,069.8	35.2	33.6	-121.93	379.4	1,512.5	162.5	101.1	61.35	2.648	
5,400.0	5,100.2	5,418.7	5,128.2	35.6	34.1	-121.26	384.9	1,535.6	163.5	101.0	62.51	2.615	
5,500.0	5,194.5	5,518.6	5,220.7	36.2	34.9	-119.34	393.8	1,572.2	163.7	99.1	64.64	2.533	
5,600.0	5,289.9	5,618.2	5,313.0	36.7	35.7	-116.32	402.6	1,608.7	162.5	95.4	67.14	2.421	
5,700.0	5,386.3	5,715.9	5,404.0	37.2	36.4	-112.68	410.9	1,643.3	160.9	91.3	69.61	2.312	
5,800.0	5,483.6	5,813.8	5,496.3	37.6	36.9	-108.98	418.5	1,674.8	159.7	88.0	71.76	2.226	
5,900.0	5,581.6	5,912.0	5,590.1	37.9	37.4	-105.23	425.4	1,703.4	159.0	85.3	73.61	2.159	
6,000.0	5,680.3	6,010.6	5,685.1	38.2	37.9	-101.45	431.5	1,728.9	158.6	83.5	75.15	2.111	
6,031.1	5,711.1	6,041.3	5,714.9	38.3	38.0	-100.28	433.3	1,736.2	158.6	83.0	75.55	2.099	
6,100.0	5,779.4	6,109.5	5,781.3	38.4	38.3	-97.66	436.9	1,751.3	158.7	82.3	76.34	2.079	
6,200.0	5,879.0	6,208.9	5,878.6	38.6	38.6	-93.88	441.5	1,770.5	159.2	82.0	77.17	2.063	
6,300.0	5,978.8	6,308.5	5,976.9	38.8	38.9	-90.13	445.4	1,786.5	160.1	82.5	77.63	2.063	
6,400.0	6,078.7	6,408.6	6,076.1	38.9	39.2	-86.41	448.4	1,799.1	161.5	83.8	77.74	2.077	
6,421.3	6,100.0	6,429.9	6,097.3	38.9	39.2	-4.64	449.0	1,801.4	161.8	125.0	36.82	4.395	
6,500.0	6,178.7	6,509.1	6,176.2	38.9	39.4	-2.11	450.7	1,808.5	163.1	125.3	37.84	4.311	
6,600.0	6,278.7	6,610.2	6,277.1	39.0	39.5	-0.02	452.1	1,814.4	164.4	125.5	38.93	4.223	
6,700.0	6,378.7	6,711.6	6,378.4	39.1	39.6	0.84	452.7	1,816.9	165.0	125.5	39.58	4.170	
6,800.0	6,478.7	6,811.9	6,478.7	39.2	39.7	0.87	452.7	1,817.0	165.1	125.2	39.86	4.141	
6,814.2	6,493.0	6,826.1	6,493.0	39.2	39.7	0.87	452.7	1,817.0	165.1	125.2	39.90	4.137	
6,850.0	6,528.7	6,861.9	6,528.7	39.2	39.7	91.81	452.7	1,817.0	165.1	87.5	77.57	2.128	
6,900.0	6,578.5	6,911.7	6,578.5	39.2	39.8	93.26	452.7	1,817.0	165.3	88.0	77.25	2.139	
6,950.0	6,627.9	6,961.1	6,627.9	39.1	39.8	95.83	452.7	1,817.0	165.9	89.4	76.54	2.167	
7,000.0	6,676.7	7,011.0	6,677.8	39.0	39.8	99.31	452.7	1,816.4	167.3	92.0	75.35	2.221	
7,050.0	6,724.5	7,062.2	6,728.8	38.9	39.8	102.82	452.7	1,812.4	169.4	95.6	73.85	2.294	
7,100.0	6,771.2	7,114.2	6,780.3	38.8	39.8	106.22	452.6	1,804.7	172.2	100.0	72.12	2.387	
7,150.0	6,816.6	7,167.1	6,831.9	38.7	39.7	109.46	452.5	1,793.0	175.4	105.2	70.23	2.498	
7,200.0	6,860.3	7,220.9	6,883.3	38.5	39.6	112.52	452.3	1,777.2	179.2	111.0	68.21	2.627	
7,250.0	6,902.3	7,275.6	6,934.2	38.3	39.4	115.38	452.1	1,757.3	183.3	117.2	66.13	2.772	
7,300.0	6,942.3	7,331.3	6,984.3	38.2	39.3	118.03	451.8	1,733.1	187.7	123.6	64.05	2.930	
7,350.0	6,980.1	7,387.9	7,033.2	38.0	39.1	120.46	451.5	1,704.6	192.2	130.2	62.01	3.100	
7,400.0	7,015.6	7,445.4	7,080.4	37.9	38.9	122.67	451.1	1,671.7	196.9	136.8	60.08	3.277	
7,450.0	7,048.4	7,503.8	7,125.5	37.8	38.7	124.66	450.7	1,634.6	201.4	143.1	58.30	3.455	
7,500.0	7,078.6	7,563.1	7,168.0	37.7	38.5	126.42	450.3	1,593.3	205.8	149.1	56.72	3.629	
7,550.0	7,105.9	7,623.3	7,207.4	37.6	38.4	127.98	449.8	1,547.9	210.0	154.6	55.38	3.792	
7,600.0	7,130.3	7,684.2	7,243.4	37.6	38.3	129.32	449.2	1,498.7	213.9	159.6	54.33	3.937	
7,650.0	7,151.5	7,745.9	7,275.4	37.6	38.2	130.46	448.7	1,446.0	217.3	163.7	53.60	4.055	
7,700.0	7,169.5	7,808.2	7,303.0	37.6	38.2	131.40	448.0	1,390.2	220.3	167.1	53.21	4.140	
7,750.0	7,184.2	7,871.0	7,325.8	37.7	38.2	132.14	447.4	1,331.7	222.7	169.6	53.18	4.188	
7,800.0	7,195.6	7,934.3	7,343.6	37.9	38.3	132.68	446.7	1,270.9	224.6	171.1	53.50	4.198	
7,850.0	7,203.5	7,997.9	7,355.9	38.1	38.5	133.04	446.0	1,208.6	225.8	171.7	54.16	4.170	
7,900.0	7,208.0	8,061.6	7,362.6	38.3	38.8	133.20	445.4	1,145.2	226.4	171.3	55.14	4.106	
7,934.9	7,209.0	8,105.9	7,364.0	38.5	39.0	133.20	444.9	1,101.0	226.4	170.4	55.98	4.044	
7,934.9	7,209.0	8,106.0	7,364.0	38.5	39.0	133.20	444.9	1,100.9	226.4	170.4	55.98	4.044	
7,936.3	7,209.0	8,107.3	7,364.0	38.5	39.0	133.20	444.8	1,099.6	226.4	170.4	56.00	4.043	
8,000.0	7,209.4	8,171.1	7,364.1	38.8	39.3	133.15	444.2	1,035.8	226.2	169.5	56.72	3.988	
8,100.0	7,210.0	8,271.1	7,364.2	39.6	40.1	133.06	443.1	935.8	225.9	167.8	58.07	3.890	
8,200.0	7,210.5	8,371.0	7,364.3	40.5	40.9	132.97	442.0	835.9	225.5	165.8	59.69	3.779	
8,300.0	7,211.1	8,471.0	7,364.4	41.6	42.0	132.88	440.9	735.9	225.2	163.6	61.56	3.658	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 Q-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,400.0	7,211.7	8,571.0	7,364.5	42.9	43.2	132.79	439.8	635.9	224.9	161.2	63.67	3.532	
8,500.0	7,212.3	8,671.0	7,364.5	44.3	44.6	132.70	438.7	535.9	224.5	158.6	65.99	3.403	
8,600.0	7,212.9	8,771.0	7,364.6	45.8	46.1	132.61	437.6	435.9	224.2	155.7	68.51	3.273	
8,700.0	7,213.4	8,871.0	7,364.7	47.4	47.7	132.51	436.5	335.9	223.9	152.7	71.20	3.144	
8,800.0	7,214.0	8,971.0	7,364.8	49.2	49.4	132.42	435.4	235.9	223.6	149.5	74.05	3.019	
8,900.0	7,214.6	9,071.0	7,364.9	51.0	51.3	132.33	434.3	135.9	223.2	146.2	77.05	2.897	
9,000.0	7,215.2	9,171.0	7,365.0	53.0	53.2	132.24	433.2	35.9	222.9	142.7	80.17	2.780	
9,100.0	7,215.8	9,271.0	7,365.1	55.0	55.2	132.15	432.1	-64.1	222.6	139.2	83.41	2.669	
9,200.0	7,216.3	9,371.0	7,365.2	57.1	57.2	132.06	431.0	-164.1	222.3	135.5	86.76	2.562	
9,300.0	7,216.9	9,471.0	7,365.3	59.2	59.4	131.96	429.9	-264.1	221.9	131.7	90.20	2.461	
9,400.0	7,217.5	9,571.0	7,365.4	61.4	61.6	131.87	428.8	-364.1	221.6	127.9	93.72	2.365	
9,500.0	7,218.1	9,671.0	7,365.5	63.7	63.8	131.78	427.7	-464.1	221.3	124.0	97.32	2.274	
9,600.0	7,218.7	9,771.0	7,365.6	65.9	66.1	131.68	426.6	-564.0	221.0	120.0	101.00	2.188	
9,700.0	7,219.2	9,871.0	7,365.7	68.3	68.4	131.59	425.5	-664.0	220.6	115.9	104.74	2.107	
9,800.0	7,219.8	9,971.0	7,365.8	70.6	70.7	131.50	424.5	-764.0	220.3	111.8	108.54	2.030	
9,900.0	7,220.4	10,071.0	7,365.9	73.0	73.1	131.40	423.4	-864.0	220.0	107.6	112.39	1.957	
10,000.0	7,221.0	10,171.0	7,366.0	75.5	75.6	131.31	422.3	-964.0	219.7	103.4	116.30	1.889	
10,100.0	7,221.6	10,271.0	7,366.1	77.9	78.0	131.21	421.2	-1,064.0	219.4	99.1	120.25	1.824	
10,200.0	7,222.1	10,371.0	7,366.2	80.4	80.5	131.12	420.1	-1,164.0	219.0	94.8	124.25	1.763	
10,300.0	7,222.7	10,471.0	7,366.3	82.9	83.0	131.02	419.0	-1,264.0	218.7	90.4	128.28	1.705	
10,400.0	7,223.3	10,571.0	7,366.4	85.4	85.5	130.93	417.9	-1,364.0	218.4	86.1	132.36	1.650	
10,500.0	7,223.9	10,671.0	7,366.5	87.9	88.0	130.83	416.8	-1,464.0	218.1	81.6	136.47	1.598	
10,600.0	7,224.5	10,771.0	7,366.6	90.5	90.5	130.73	415.7	-1,564.0	217.8	77.2	140.62	1.549	
10,700.0	7,225.0	10,871.0	7,366.7	93.0	93.1	130.64	414.6	-1,664.0	217.5	72.7	144.79	1.502	
10,800.0	7,225.6	10,971.0	7,366.8	95.6	95.7	130.54	413.5	-1,764.0	217.1	68.1	149.00	1.457	Level 3
10,900.0	7,226.2	11,071.0	7,366.9	98.2	98.3	130.44	412.4	-1,864.0	216.8	63.6	153.24	1.415	Level 3
11,000.0	7,226.8	11,171.0	7,367.0	100.8	100.9	130.35	411.3	-1,963.9	216.5	59.0	157.51	1.375	Level 3
11,100.0	7,227.4	11,271.0	7,367.1	103.4	103.5	130.25	410.2	-2,063.9	216.2	54.4	161.80	1.336	Level 3
11,200.0	7,228.0	11,371.0	7,367.2	106.0	106.1	130.15	409.1	-2,163.9	215.9	49.8	166.12	1.300	Level 3
11,300.0	7,228.5	11,471.0	7,367.3	108.7	108.7	130.05	408.0	-2,263.9	215.6	45.1	170.46	1.265	Level 3
11,400.0	7,229.1	11,571.0	7,367.4	111.3	111.4	129.96	406.9	-2,363.9	215.3	40.4	174.82	1.231	Level 2
11,500.0	7,229.7	11,671.0	7,367.5	114.0	114.0	129.86	405.8	-2,463.9	215.0	35.7	179.21	1.199	Level 2
11,600.0	7,230.3	11,771.0	7,367.5	116.6	116.7	129.76	404.8	-2,563.9	214.6	31.0	183.62	1.169	Level 2
11,700.0	7,230.9	11,871.0	7,367.6	119.3	119.3	129.66	403.7	-2,663.9	214.3	26.3	188.05	1.140	Level 2
11,800.0	7,231.4	11,971.0	7,367.7	121.9	122.0	129.56	402.6	-2,763.9	214.0	21.5	192.51	1.112	Level 2
11,900.0	7,232.0	12,071.0	7,367.8	124.6	124.7	129.46	401.5	-2,863.9	213.7	16.7	196.98	1.085	Level 2
12,000.0	7,232.6	12,171.0	7,367.9	127.3	127.4	129.36	400.4	-2,963.9	213.4	11.9	201.47	1.059	Level 2
12,100.0	7,233.2	12,271.0	7,368.0	130.0	130.0	129.26	399.3	-3,063.9	213.1	7.1	205.98	1.035	Level 2
12,200.0	7,233.8	12,371.0	7,368.1	132.7	132.7	129.16	398.2	-3,163.9	212.8	2.3	210.51	1.011	Level 2
12,300.0	7,234.3	12,471.0	7,368.2	135.4	135.4	129.06	397.1	-3,263.9	212.5	-2.6	215.06	0.988	Level 1
12,400.0	7,234.9	12,571.0	7,368.3	138.1	138.1	128.96	396.0	-3,363.8	212.2	-7.4	219.62	0.966	Level 1
12,500.0	7,235.5	12,671.0	7,368.4	140.8	140.8	128.85	394.9	-3,463.8	211.9	-12.3	224.21	0.945	Level 1
12,600.0	7,236.1	12,771.0	7,368.5	143.5	143.5	128.75	393.8	-3,563.8	211.6	-17.2	228.81	0.925	Level 1
12,700.0	7,236.7	12,871.0	7,368.6	146.2	146.3	128.65	392.7	-3,663.8	211.3	-22.1	233.42	0.905	Level 1
12,800.0	7,237.2	12,971.0	7,368.7	148.9	149.0	128.55	391.6	-3,763.8	211.0	-27.1	238.06	0.886	Level 1
12,900.0	7,237.8	13,071.0	7,368.8	151.6	151.7	128.44	390.5	-3,863.8	210.7	-32.0	242.71	0.868	Level 1
13,000.0	7,238.4	13,171.0	7,368.9	154.4	154.4	128.34	389.4	-3,963.8	210.4	-37.0	247.38	0.850	Level 1
13,100.0	7,239.0	13,271.0	7,369.0	157.1	157.1	128.24	388.3	-4,063.8	210.1	-42.0	252.06	0.833	Level 1
13,200.0	7,239.6	13,371.0	7,369.1	159.8	159.9	128.13	387.2	-4,163.8	209.8	-47.0	256.76	0.817	Level 1
13,300.0	7,240.1	13,471.0	7,369.2	162.6	162.6	128.03	386.1	-4,263.8	209.5	-52.0	261.47	0.801	Level 1
13,400.0	7,240.7	13,571.0	7,369.3	165.3	165.3	127.93	385.1	-4,363.8	209.2	-57.0	266.20	0.786	Level 1
13,500.0	7,241.3	13,671.0	7,369.4	168.0	168.1	127.82	384.0	-4,463.8	208.9	-62.1	270.94	0.771	Level 1

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 Q-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
13,600.0	7,241.9	13,771.0	7,369.5	170.8	170.8	127.72	382.9	-4,563.8	208.6	-67.1	275.70	0.757	Level 1
13,700.0	7,242.5	13,871.0	7,369.6	173.5	173.6	127.61	381.8	-4,663.8	208.3	-72.2	280.48	0.743	Level 1
13,800.0	7,243.0	13,971.0	7,369.7	176.3	176.3	127.51	380.7	-4,763.7	208.0	-77.3	285.27	0.729	Level 1
13,900.0	7,243.6	14,071.0	7,369.8	179.0	179.0	127.40	379.6	-4,863.7	207.7	-82.4	290.07	0.716	Level 1
14,000.0	7,244.2	14,171.0	7,369.9	181.8	181.8	127.29	378.5	-4,963.7	207.4	-87.5	294.89	0.703	Level 1
14,100.0	7,244.8	14,271.0	7,370.0	184.5	184.5	127.19	377.4	-5,063.7	207.1	-92.6	299.72	0.691	Level 1
14,200.0	7,245.4	14,371.0	7,370.1	187.3	187.3	127.08	376.3	-5,163.7	206.8	-97.8	304.57	0.679	Level 1
14,300.0	7,245.9	14,471.0	7,370.2	190.0	190.0	126.97	375.2	-5,263.7	206.5	-102.9	309.43	0.667	Level 1
14,400.0	7,246.5	14,571.0	7,370.3	192.8	192.8	126.87	374.1	-5,363.7	206.2	-108.1	314.30	0.656	Level 1
14,500.0	7,247.1	14,671.0	7,370.4	195.5	195.6	126.76	373.0	-5,463.7	205.9	-113.2	319.19	0.645	Level 1
14,600.0	7,247.7	14,771.0	7,370.5	198.3	198.3	126.65	371.9	-5,563.7	205.7	-118.4	324.09	0.635	Level 1
14,700.0	7,248.3	14,871.0	7,370.5	201.0	201.1	126.54	370.8	-5,663.7	205.4	-123.6	329.01	0.624	Level 1
14,800.0	7,248.8	14,971.0	7,370.6	203.8	203.8	126.44	369.7	-5,763.7	205.1	-128.9	333.94	0.614	Level 1
14,900.0	7,249.4	15,071.0	7,370.7	206.6	206.6	126.33	368.6	-5,863.7	204.8	-134.1	338.88	0.604	Level 1
15,000.0	7,250.0	15,171.0	7,370.8	209.3	209.4	126.22	367.5	-5,963.7	204.5	-139.3	343.84	0.595	Level 1
15,100.0	7,250.6	15,271.0	7,370.9	212.1	212.1	126.11	366.4	-6,063.7	204.2	-144.6	348.81	0.585	Level 1
15,200.0	7,251.2	15,371.0	7,371.0	214.9	214.9	126.00	365.4	-6,163.6	203.9	-149.9	353.79	0.576	Level 1
15,300.0	7,251.8	15,471.0	7,371.1	217.6	217.7	125.89	364.3	-6,263.6	203.6	-155.1	358.79	0.568	Level 1
15,400.0	7,252.3	15,571.0	7,371.2	220.4	220.4	125.78	363.2	-6,363.6	203.4	-160.4	363.80	0.559	Level 1
15,500.0	7,252.9	15,671.0	7,371.3	223.2	223.2	125.67	362.1	-6,463.6	203.1	-165.7	368.83	0.551	Level 1
15,600.0	7,253.5	15,771.0	7,371.4	225.9	226.0	125.56	361.0	-6,563.6	202.8	-171.1	373.86	0.542	Level 1
15,700.0	7,254.1	15,871.0	7,371.5	228.7	228.7	125.45	359.9	-6,663.6	202.5	-176.4	378.91	0.534	Level 1
15,800.0	7,254.7	15,971.0	7,371.6	231.5	231.5	125.33	358.8	-6,763.6	202.2	-181.7	383.98	0.527	Level 1
15,900.0	7,255.2	16,071.0	7,371.7	234.2	234.3	125.22	357.7	-6,863.6	202.0	-187.1	389.05	0.519	Level 1
16,000.0	7,255.8	16,171.0	7,371.8	237.0	237.1	125.11	356.6	-6,963.6	201.7	-192.5	394.14	0.512	Level 1
16,100.0	7,256.4	16,271.0	7,371.9	239.8	239.8	125.00	355.5	-7,063.6	201.4	-197.8	399.24	0.504	Level 1
16,200.0	7,257.0	16,371.0	7,372.0	242.6	242.6	124.89	354.4	-7,163.6	201.1	-203.2	404.36	0.497	Level 1
16,300.0	7,257.6	16,471.0	7,372.1	245.3	245.4	124.77	353.3	-7,263.6	200.8	-208.6	409.49	0.490	Level 1
16,400.0	7,258.1	16,571.0	7,372.2	248.1	248.2	124.66	352.2	-7,363.6	200.6	-214.1	414.63	0.484	Level 1
16,500.0	7,258.7	16,671.0	7,372.3	250.9	250.9	124.55	351.1	-7,463.6	200.3	-219.5	419.78	0.477	Level 1
16,600.0	7,259.3	16,771.0	7,372.4	253.7	253.7	124.43	350.0	-7,563.5	200.0	-224.9	424.94	0.471	Level 1
16,700.0	7,259.9	16,870.9	7,372.5	256.5	256.5	124.32	348.9	-7,663.5	199.7	-230.4	430.12	0.464	Level 1
16,800.0	7,260.5	16,970.9	7,372.6	259.2	259.3	124.20	347.8	-7,763.5	199.5	-235.8	435.31	0.458	Level 1
16,900.0	7,261.0	17,070.9	7,372.7	262.0	262.1	124.09	346.7	-7,863.5	199.2	-241.3	440.52	0.452	Level 1
17,000.0	7,261.6	17,170.9	7,372.8	264.8	264.8	123.97	345.7	-7,963.5	198.9	-246.8	445.73	0.446	Level 1
17,100.0	7,262.2	17,270.9	7,372.9	267.6	267.6	123.86	344.6	-8,063.5	198.7	-252.3	450.96	0.441	Level 1
17,200.0	7,262.8	17,370.9	7,373.0	270.4	270.4	123.74	343.5	-8,163.5	198.4	-257.8	456.20	0.435	Level 1
17,300.0	7,263.4	17,470.9	7,373.1	273.1	273.2	123.62	342.4	-8,263.5	198.1	-263.3	461.45	0.429	Level 1
17,400.0	7,263.9	17,570.9	7,373.2	275.9	276.0	123.51	341.3	-8,363.5	197.8	-268.9	466.72	0.424	Level 1
17,500.0	7,264.5	17,670.9	7,373.3	278.7	278.7	123.39	340.2	-8,463.5	197.6	-274.4	472.00	0.419	Level 1
17,600.0	7,265.1	17,770.9	7,373.4	281.5	281.5	123.27	339.1	-8,563.5	197.3	-280.0	477.29	0.413	Level 1
17,700.0	7,265.7	17,870.9	7,373.5	284.3	284.3	123.16	338.0	-8,663.5	197.0	-285.5	482.59	0.408	Level 1
17,800.0	7,266.3	17,970.9	7,373.6	287.1	287.1	123.04	336.9	-8,763.5	196.8	-291.1	487.90	0.403	Level 1
17,900.0	7,266.8	18,070.9	7,373.6	289.9	289.9	122.92	335.8	-8,863.5	196.5	-296.7	493.23	0.398	Level 1
18,000.0	7,267.4	18,170.9	7,373.7	292.6	292.7	122.80	334.7	-8,963.4	196.3	-302.3	498.57	0.394	Level 1
18,100.0	7,268.0	18,270.9	7,373.8	295.4	295.5	122.68	333.6	-9,063.4	196.0	-307.9	503.92	0.389	Level 1
18,200.0	7,268.6	18,370.9	7,373.9	298.2	298.2	122.56	332.5	-9,163.4	195.7	-313.5	509.28	0.384	Level 1
18,252.8	7,268.9	18,423.7	7,374.0	299.7	299.7	122.50	331.9	-9,216.2	195.6	-316.5	512.12	0.382	Level 1
18,271.8	7,269.0	18,435.1	7,374.0	300.2	300.0	122.49	331.8	-9,227.6	195.7	-317.2	512.91	0.382	Level 1, ES, SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 S-27-28HN - Wellbore #1 - Plan #1 (8-02-17)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	180.00	-14.9	0.0	14.9	14.9	0.00	N/A	
100.0	100.0	100.0	100.0	0.1	0.1	180.00	-14.9	0.0	14.9	14.7	0.22	66.421	
200.0	200.0	200.0	200.0	0.3	0.3	180.00	-14.9	0.0	14.9	14.3	0.67	22.140	CC
300.0	300.0	300.0	300.0	0.6	0.6	103.89	-14.9	0.0	15.2	14.1	1.12	13.616	
400.0	399.9	399.9	399.9	0.8	0.8	117.15	-14.9	0.0	16.6	15.0	1.56	10.595	
500.0	499.7	500.0	500.0	1.0	1.0	130.55	-14.9	1.3	19.7	17.7	2.02	9.762	
600.0	599.3	600.2	600.1	1.3	1.2	139.14	-15.0	5.2	23.9	21.5	2.48	9.656	
700.0	698.6	700.5	700.2	1.6	1.4	144.36	-15.1	11.8	28.8	25.9	2.96	9.748	
800.0	797.5	800.9	800.2	1.9	1.7	147.43	-15.2	21.0	34.1	30.7	3.45	9.882	
900.0	896.1	901.5	900.0	2.2	2.0	149.11	-15.4	32.9	39.8	35.8	3.98	10.000	
1,000.0	994.2	1,002.2	999.7	2.6	2.3	149.90	-15.6	47.4	45.7	41.1	4.53	10.078	
1,100.0	1,091.7	1,103.0	1,099.0	3.1	2.6	150.07	-15.9	64.5	51.8	46.7	5.13	10.107	
1,200.0	1,188.6	1,203.9	1,198.0	3.6	3.0	149.83	-16.2	84.3	58.2	52.4	5.77	10.085	
1,300.0	1,284.9	1,304.9	1,296.5	4.1	3.4	149.28	-16.5	106.7	64.8	58.3	6.47	10.013	
1,400.0	1,380.4	1,406.0	1,394.4	4.7	3.9	148.53	-16.9	131.7	71.6	64.4	7.24	9.893	
1,500.0	1,475.0	1,507.3	1,491.8	5.3	4.4	147.63	-17.3	159.4	78.7	70.6	8.09	9.735	
1,600.0	1,568.9	1,608.6	1,588.5	6.0	5.0	146.62	-17.8	189.6	86.1	77.1	9.02	9.541	
1,645.8	1,611.5	1,655.1	1,632.6	6.4	5.3	146.13	-18.0	204.3	89.5	80.0	9.48	9.440	
1,700.0	1,661.9	1,710.1	1,684.5	6.8	5.7	145.44	-18.2	222.4	93.4	83.3	10.07	9.275	
1,800.0	1,754.8	1,811.3	1,779.4	7.5	6.4	143.48	-18.8	257.7	99.1	87.8	11.27	8.794	
1,900.0	1,847.7	1,911.1	1,872.7	8.3	7.1	141.41	-19.3	293.2	104.3	91.8	12.56	8.310	
2,000.0	1,940.7	2,010.9	1,965.9	9.0	7.8	139.55	-19.8	328.8	109.7	95.8	13.89	7.900	
2,100.0	2,033.6	2,110.7	2,059.2	9.8	8.5	137.87	-20.4	364.3	115.2	99.9	15.26	7.550	
2,200.0	2,126.5	2,210.5	2,152.4	10.6	9.3	136.33	-20.9	399.8	120.8	104.1	16.66	7.250	
2,300.0	2,219.4	2,310.3	2,245.7	11.4	10.0	134.94	-21.4	435.4	126.4	108.3	18.08	6.993	
2,400.0	2,312.3	2,410.1	2,338.9	12.1	10.8	133.66	-22.0	470.9	132.1	112.6	19.52	6.770	
2,500.0	2,405.3	2,509.9	2,432.2	12.9	11.5	132.49	-22.5	506.4	137.9	116.9	20.97	6.576	
2,600.0	2,498.2	2,609.7	2,525.4	13.7	12.2	131.41	-23.0	542.0	143.7	121.3	22.44	6.406	
2,700.0	2,591.1	2,709.4	2,618.7	14.5	13.0	130.42	-23.5	577.5	149.6	125.7	23.91	6.256	
2,800.0	2,684.0	2,809.2	2,711.9	15.3	13.7	129.51	-24.1	613.0	155.5	130.1	25.40	6.124	
2,900.0	2,776.9	2,909.0	2,805.2	16.0	14.5	128.66	-24.6	648.6	161.5	134.6	26.89	6.006	
3,000.0	2,869.9	3,008.8	2,898.4	16.8	15.3	127.87	-25.1	684.1	167.5	139.1	28.38	5.900	
3,100.0	2,962.8	3,108.6	2,991.7	17.6	16.0	127.13	-25.7	719.7	173.5	143.6	29.88	5.805	
3,200.0	3,055.7	3,208.4	3,085.0	18.4	16.8	126.45	-26.2	755.2	179.5	148.1	31.39	5.719	
3,300.0	3,148.6	3,308.2	3,178.2	19.2	17.5	125.81	-26.7	790.7	185.6	152.7	32.89	5.642	
3,400.0	3,241.6	3,408.0	3,271.5	20.0	18.3	125.21	-27.2	826.3	191.7	157.3	34.40	5.571	
3,500.0	3,334.5	3,507.8	3,364.7	20.7	19.0	124.65	-27.8	861.8	197.8	161.9	35.92	5.506	
3,600.0	3,427.4	3,607.6	3,458.0	21.5	19.8	124.12	-28.3	897.3	203.9	166.5	37.43	5.447	
3,700.0	3,520.3	3,707.4	3,551.2	22.3	20.6	123.62	-28.8	932.9	210.0	171.1	38.95	5.393	
3,800.0	3,613.2	3,807.2	3,644.5	23.1	21.3	123.15	-29.4	968.4	216.2	175.7	40.46	5.343	
3,900.0	3,706.2	3,907.0	3,737.7	23.9	22.1	122.71	-29.9	1,003.9	222.4	180.4	41.98	5.297	
4,000.0	3,799.1	4,006.8	3,831.0	24.7	22.8	122.29	-30.4	1,039.5	228.5	185.0	43.50	5.254	
4,100.0	3,892.0	4,106.6	3,924.2	25.5	23.6	121.89	-31.0	1,075.0	234.7	189.7	45.02	5.214	
4,200.0	3,984.9	4,206.4	4,017.5	26.2	24.3	121.51	-31.5	1,110.6	240.9	194.4	46.54	5.177	
4,300.0	4,077.8	4,306.2	4,110.7	27.0	25.1	121.16	-32.0	1,146.1	247.2	199.1	48.06	5.143	
4,400.0	4,170.8	4,406.0	4,204.0	27.8	25.9	120.81	-32.5	1,181.6	253.4	203.8	49.58	5.110	
4,500.0	4,263.7	4,505.8	4,297.2	28.6	26.6	120.49	-33.1	1,217.2	259.6	208.5	51.10	5.080	
4,600.0	4,356.6	4,605.6	4,390.5	29.4	27.4	120.18	-33.6	1,252.7	265.9	213.2	52.62	5.052	
4,700.0	4,449.5	4,705.4	4,483.7	30.2	28.1	119.89	-34.1	1,288.2	272.1	218.0	54.15	5.025	
4,800.0	4,542.5	4,805.1	4,577.0	31.0	28.9	119.60	-34.7	1,323.8	278.4	222.7	55.67	5.000	
4,900.0	4,635.4	4,904.9	4,670.2	31.8	29.7	119.34	-35.2	1,359.3	284.6	227.4	57.19	4.976	
5,000.0	4,728.3	5,004.7	4,763.5	32.5	30.4	119.08	-35.7	1,394.8	290.9	232.2	58.71	4.954	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 S-27-28HN - Wellbore #1 - Plan #1 (8-02-17)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	4,821.2	5,104.5	4,856.7	33.3	31.2	118.83	-36.3	1,430.4	297.2	236.9	60.24	4.933	
5,200.0	4,914.1	5,204.3	4,950.0	34.1	32.0	118.59	-36.8	1,465.9	303.4	241.7	61.76	4.913	
5,300.0	5,007.1	5,304.1	5,043.2	34.9	32.7	118.37	-37.3	1,501.5	309.7	246.4	63.28	4.894	
5,336.9	5,041.3	5,340.9	5,077.6	35.2	33.0	118.29	-37.5	1,514.6	312.0	248.2	63.85	4.887	
5,400.0	5,100.2	5,403.9	5,136.5	35.6	33.5	118.10	-37.8	1,537.0	315.7	250.9	64.79	4.872	
5,500.0	5,194.5	5,503.7	5,229.8	36.2	34.2	117.35	-38.4	1,572.5	320.1	253.8	66.33	4.827	
5,600.0	5,289.9	5,603.4	5,322.9	36.7	35.0	116.05	-38.9	1,608.0	323.1	255.1	67.99	4.752	
5,700.0	5,386.3	5,701.7	5,414.8	37.2	35.7	114.26	-39.4	1,642.8	324.9	255.2	69.70	4.662	
5,800.0	5,483.6	5,798.5	5,506.2	37.6	36.2	112.42	-39.9	1,674.5	326.3	255.2	71.16	4.586	
5,900.0	5,581.6	5,895.6	5,599.0	37.9	36.7	110.60	-40.3	1,703.3	327.5	255.1	72.46	4.520	
6,000.0	5,680.3	5,993.1	5,693.0	38.2	37.2	108.79	-40.7	1,728.9	328.5	254.8	73.62	4.462	
6,100.0	5,779.4	6,090.9	5,788.3	38.4	37.6	106.99	-41.0	1,751.4	329.2	254.6	74.62	4.411	
6,200.0	5,879.0	6,189.1	5,884.5	38.6	37.9	105.19	-41.3	1,770.7	329.6	254.2	75.47	4.368	
6,300.0	5,978.8	6,287.7	5,981.8	38.8	38.2	103.39	-41.6	1,786.8	329.8	253.7	76.17	4.330	
6,400.0	6,078.7	6,386.6	6,079.9	38.9	38.4	101.59	-41.8	1,799.6	329.8	253.1	76.73	4.298	
6,421.3	6,100.0	6,407.7	6,100.8	38.9	38.5	-177.80	-41.8	1,801.8	329.7	292.8	36.93	8.930	
6,500.0	6,178.7	6,486.0	6,178.8	38.9	38.6	-179.03	-41.9	1,808.9	329.6	292.7	36.91	8.932	
6,508.4	6,187.2	6,494.4	6,187.2	38.9	38.6	-179.15	-41.9	1,809.6	329.6	292.7	36.91	8.930	
6,600.0	6,278.7	6,585.9	6,278.5	39.0	38.8	179.93	-42.0	1,814.9	329.7	292.7	37.03	8.903	
6,700.0	6,378.7	6,686.1	6,378.7	39.1	38.9	179.49	-42.0	1,817.4	329.7	292.5	37.26	8.850	
6,800.0	6,478.7	6,786.1	6,478.7	39.2	38.9	179.48	-42.0	1,817.5	329.7	292.2	37.55	8.782	
6,814.2	6,493.0	6,800.4	6,493.0	39.2	38.9	179.48	-42.0	1,817.5	329.7	292.2	37.59	8.773	
6,844.6	6,523.3	6,830.7	6,523.3	39.2	39.0	-90.00	-42.0	1,817.5	329.7	251.9	77.85	4.235	
6,850.0	6,528.7	6,836.1	6,528.7	39.2	39.0	-90.04	-42.0	1,817.5	329.7	251.9	77.86	4.235	
6,900.0	6,578.5	6,886.0	6,578.6	39.2	39.0	-90.77	-42.0	1,817.5	329.8	251.9	77.92	4.232	
6,950.0	6,627.9	6,936.2	6,628.7	39.1	39.0	-91.74	-42.1	1,815.3	329.9	252.0	77.90	4.235	
7,000.0	6,676.7	6,986.7	6,679.0	39.0	39.0	-92.70	-42.1	1,809.6	330.1	252.3	77.79	4.244	
7,050.0	6,724.5	7,037.8	6,729.1	38.9	38.9	-93.65	-42.2	1,800.3	330.4	252.8	77.60	4.258	
7,100.0	6,771.2	7,089.2	6,778.9	38.8	38.8	-94.58	-42.4	1,787.3	330.8	253.5	77.34	4.277	
7,150.0	6,816.6	7,141.0	6,827.9	38.7	38.7	-95.49	-42.5	1,770.7	331.3	254.3	77.01	4.302	
7,200.0	6,860.3	7,193.3	6,876.0	38.5	38.5	-96.38	-42.8	1,750.3	331.8	255.2	76.63	4.330	
7,250.0	6,902.3	7,245.9	6,922.9	38.3	38.4	-97.24	-43.0	1,726.3	332.4	256.2	76.22	4.361	
7,300.0	6,942.3	7,299.0	6,968.2	38.2	38.2	-98.05	-43.3	1,698.7	333.1	257.3	75.77	4.395	
7,350.0	6,980.1	7,352.5	7,011.6	38.0	38.0	-98.83	-43.7	1,667.5	333.7	258.4	75.33	4.430	
7,400.0	7,015.6	7,406.3	7,052.9	37.9	37.9	-99.56	-44.1	1,633.0	334.4	259.5	74.89	4.466	
7,450.0	7,048.4	7,460.5	7,091.7	37.8	37.7	-100.25	-44.5	1,595.2	335.1	260.6	74.47	4.500	
7,500.0	7,078.6	7,515.1	7,127.8	37.7	37.6	-100.87	-44.9	1,554.3	335.8	261.7	74.11	4.531	
7,550.0	7,105.9	7,570.0	7,160.9	37.6	37.5	-101.45	-45.4	1,510.4	336.4	262.6	73.81	4.558	
7,600.0	7,130.3	7,625.2	7,190.6	37.6	37.5	-101.96	-45.9	1,464.0	337.1	263.5	73.58	4.581	
7,650.0	7,151.5	7,680.6	7,216.8	37.6	37.5	-102.40	-46.5	1,415.1	337.6	264.2	73.46	4.596	
7,700.0	7,169.5	7,736.3	7,239.2	37.6	37.5	-102.79	-47.0	1,364.1	338.1	264.7	73.43	4.605	
7,750.0	7,184.2	7,792.2	7,257.6	37.7	37.6	-103.10	-47.6	1,311.4	338.5	265.0	73.52	4.605	
7,800.0	7,195.6	7,848.2	7,271.9	37.9	37.7	-103.34	-48.2	1,257.2	338.9	265.1	73.73	4.596	
7,850.0	7,203.5	7,904.4	7,282.0	38.1	37.9	-103.51	-48.8	1,202.0	339.1	265.1	74.05	4.579	
7,900.0	7,208.0	7,960.7	7,287.6	38.3	38.2	-103.61	-49.4	1,146.0	339.2	264.8	74.49	4.554	
7,934.9	7,209.0	7,999.9	7,289.0	38.5	38.4	-103.64	-49.9	1,106.8	339.3	264.4	74.86	4.532	
7,934.9	7,209.0	8,000.0	7,289.0	38.5	38.4	-103.64	-49.9	1,106.7	339.3	264.4	74.86	4.532	
7,936.3	7,209.0	8,001.5	7,289.0	38.5	38.4	-103.64	-49.9	1,105.2	339.3	264.4	74.87	4.531	
8,000.0	7,209.4	8,065.3	7,289.3	38.8	38.8	-103.62	-50.6	1,041.5	339.3	263.6	75.67	4.483	
8,100.0	7,210.0	8,165.3	7,289.7	39.6	39.6	-103.60	-51.7	941.5	339.2	262.0	77.19	4.395	
8,200.0	7,210.5	8,265.3	7,290.1	40.5	40.5	-103.57	-52.8	841.5	339.2	260.2	79.05	4.291	
8,300.0	7,211.1	8,365.3	7,290.6	41.6	41.6	-103.55	-53.9	741.5	339.2	257.9	81.25	4.175	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 S-27-28HN - Wellbore #1 - Plan #1 (8-02-17)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,400.0	7,211.7	8,465.3	7,291.0	42.9	42.9	-103.53	-55.0	641.5	339.2	255.4	83.74	4.050	
8,500.0	7,212.3	8,565.3	7,291.5	44.3	44.3	-103.50	-56.1	541.5	339.1	252.6	86.52	3.920	
8,600.0	7,212.9	8,665.3	7,291.9	45.8	45.8	-103.48	-57.2	441.5	339.1	249.6	89.54	3.787	
8,700.0	7,213.4	8,765.3	7,292.3	47.4	47.5	-103.45	-58.3	341.5	339.1	246.3	92.79	3.654	
8,800.0	7,214.0	8,865.3	7,292.8	49.2	49.2	-103.43	-59.4	241.5	339.0	242.8	96.24	3.523	
8,900.0	7,214.6	8,965.3	7,293.2	51.0	51.1	-103.41	-60.5	141.5	339.0	239.1	99.87	3.394	
9,000.0	7,215.2	9,065.3	7,293.6	53.0	53.0	-103.38	-61.6	41.5	339.0	235.3	103.67	3.270	
9,100.0	7,215.8	9,165.3	7,294.1	55.0	55.0	-103.36	-62.7	-58.5	339.0	231.3	107.62	3.150	
9,200.0	7,216.3	9,265.3	7,294.5	57.1	57.1	-103.33	-63.8	-158.4	338.9	227.2	111.69	3.035	
9,300.0	7,216.9	9,365.3	7,294.9	59.2	59.3	-103.31	-64.9	-258.4	338.9	223.0	115.89	2.925	
9,400.0	7,217.5	9,465.3	7,295.4	61.4	61.5	-103.29	-66.0	-358.4	338.9	218.7	120.18	2.820	
9,500.0	7,218.1	9,565.3	7,295.8	63.7	63.7	-103.26	-67.1	-458.4	338.9	214.3	124.58	2.720	
9,600.0	7,218.7	9,665.3	7,296.3	65.9	66.0	-103.24	-68.2	-558.4	338.8	209.8	129.05	2.626	
9,700.0	7,219.2	9,765.3	7,296.7	68.3	68.3	-103.21	-69.3	-658.4	338.8	205.2	133.61	2.536	
9,800.0	7,219.8	9,865.3	7,297.1	70.6	70.7	-103.19	-70.4	-758.4	338.8	200.5	138.23	2.451	
9,900.0	7,220.4	9,965.3	7,297.6	73.0	73.1	-103.17	-71.5	-858.4	338.8	195.8	142.92	2.370	
10,000.0	7,221.0	10,065.3	7,298.0	75.5	75.5	-103.14	-72.6	-958.4	338.7	191.1	147.66	2.294	
10,100.0	7,221.6	10,165.3	7,298.4	77.9	77.9	-103.12	-73.7	-1,058.4	338.7	186.2	152.45	2.222	
10,200.0	7,222.1	10,265.3	7,298.9	80.4	80.4	-103.09	-74.8	-1,158.4	338.7	181.4	157.29	2.153	
10,300.0	7,222.7	10,365.3	7,299.3	82.9	82.9	-103.07	-75.9	-1,258.4	338.6	176.5	162.18	2.088	
10,400.0	7,223.3	10,465.3	7,299.7	85.4	85.4	-103.04	-77.0	-1,358.4	338.6	171.5	167.10	2.026	
10,500.0	7,223.9	10,565.3	7,300.2	87.9	87.9	-103.02	-78.1	-1,458.4	338.6	166.5	172.06	1.968	
10,600.0	7,224.5	10,665.3	7,300.6	90.5	90.5	-103.00	-79.2	-1,558.3	338.6	161.5	177.05	1.912	
10,700.0	7,225.0	10,765.3	7,301.0	93.0	93.0	-102.97	-80.3	-1,658.3	338.5	156.5	182.07	1.859	
10,800.0	7,225.6	10,865.3	7,301.5	95.6	95.6	-102.95	-81.4	-1,758.3	338.5	151.4	187.12	1.809	
10,900.0	7,226.2	10,965.3	7,301.9	98.2	98.2	-102.92	-82.5	-1,858.3	338.5	146.3	192.19	1.761	
11,000.0	7,226.8	11,065.3	7,302.4	100.8	100.8	-102.90	-83.6	-1,958.3	338.5	141.2	197.29	1.716	
11,100.0	7,227.4	11,165.3	7,302.8	103.4	103.4	-102.88	-84.7	-2,058.3	338.4	136.0	202.41	1.672	
11,200.0	7,228.0	11,265.3	7,303.2	106.0	106.0	-102.85	-85.8	-2,158.3	338.4	130.9	207.55	1.630	
11,300.0	7,228.5	11,365.3	7,303.7	108.7	108.7	-102.83	-86.9	-2,258.3	338.4	125.7	212.71	1.591	
11,400.0	7,229.1	11,465.3	7,304.1	111.3	111.3	-102.80	-88.0	-2,358.3	338.4	120.5	217.89	1.553	
11,500.0	7,229.7	11,565.3	7,304.5	114.0	114.0	-102.78	-89.1	-2,458.3	338.3	115.2	223.09	1.517	
11,600.0	7,230.3	11,665.3	7,305.0	116.6	116.6	-102.75	-90.2	-2,558.3	338.3	110.0	228.30	1.482	Level 3
11,700.0	7,230.9	11,765.3	7,305.4	119.3	119.3	-102.73	-91.3	-2,658.3	338.3	104.8	233.52	1.449	Level 3
11,800.0	7,231.4	11,865.3	7,305.8	121.9	121.9	-102.71	-92.4	-2,758.3	338.2	99.5	238.76	1.417	Level 3
11,900.0	7,232.0	11,965.3	7,306.3	124.6	124.6	-102.68	-93.5	-2,858.3	338.2	94.2	244.01	1.386	Level 3
12,000.0	7,232.6	12,065.3	7,306.7	127.3	127.3	-102.66	-94.6	-2,958.2	338.2	88.9	249.28	1.357	Level 3
12,100.0	7,233.2	12,165.3	7,307.1	130.0	130.0	-102.63	-95.7	-3,058.2	338.2	83.6	254.55	1.328	Level 3
12,200.0	7,233.8	12,265.3	7,307.6	132.7	132.7	-102.61	-96.8	-3,158.2	338.1	78.3	259.84	1.301	Level 3
12,300.0	7,234.3	12,365.3	7,308.0	135.4	135.4	-102.59	-97.9	-3,258.2	338.1	73.0	265.14	1.275	Level 3
12,400.0	7,234.9	12,465.3	7,308.4	138.1	138.1	-102.56	-99.0	-3,358.2	338.1	67.6	270.44	1.250	Level 3
12,500.0	7,235.5	12,565.3	7,308.9	140.8	140.8	-102.54	-100.1	-3,458.2	338.1	62.3	275.76	1.226	Level 2
12,600.0	7,236.1	12,665.3	7,309.3	143.5	143.5	-102.51	-101.2	-3,558.2	338.0	57.0	281.08	1.203	Level 2
12,700.0	7,236.7	12,765.3	7,309.7	146.2	146.2	-102.49	-102.3	-3,658.2	338.0	51.6	286.42	1.180	Level 2
12,800.0	7,237.2	12,865.3	7,310.2	148.9	148.9	-102.46	-103.4	-3,758.2	338.0	46.2	291.76	1.158	Level 2
12,900.0	7,237.8	12,965.3	7,310.6	151.6	151.6	-102.44	-104.5	-3,858.2	338.0	40.9	297.10	1.138	Level 2
13,000.0	7,238.4	13,065.3	7,311.1	154.4	154.4	-102.42	-105.6	-3,958.2	337.9	35.5	302.46	1.117	Level 2
13,100.0	7,239.0	13,165.3	7,311.5	157.1	157.1	-102.39	-106.7	-4,058.2	337.9	30.1	307.82	1.098	Level 2
13,200.0	7,239.6	13,265.3	7,311.9	159.8	159.8	-102.37	-107.8	-4,158.2	337.9	24.7	313.19	1.079	Level 2
13,300.0	7,240.1	13,365.3	7,312.4	162.6	162.6	-102.34	-108.9	-4,258.2	337.9	19.3	318.56	1.061	Level 2
13,400.0	7,240.7	13,465.3	7,312.8	165.3	165.3	-102.32	-110.0	-4,358.2	337.8	13.9	323.94	1.043	Level 2
13,500.0	7,241.3	13,565.3	7,313.2	168.0	168.0	-102.29	-111.1	-4,458.1	337.8	8.5	329.33	1.026	Level 2

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 S-27-28HN - Wellbore #1 - Plan #1 (8-02-17) — **Offset Site Error:** 0.0 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
13,600.0	7,241.9	13,665.3	7,313.7	170.8	170.8	-102.27	-112.2	-4,558.1	337.8	3.1	334.72	1.009	Level 2
13,700.0	7,242.5	13,765.3	7,314.1	173.5	173.5	-102.24	-113.3	-4,658.1	337.8	-2.4	340.12	0.993	Level 1
13,800.0	7,243.0	13,865.3	7,314.5	176.3	176.3	-102.22	-114.4	-4,758.1	337.7	-7.8	345.52	0.977	Level 1
13,900.0	7,243.6	13,965.3	7,315.0	179.0	179.0	-102.20	-115.5	-4,858.1	337.7	-13.2	350.93	0.962	Level 1
14,000.0	7,244.2	14,065.3	7,315.4	181.8	181.7	-102.17	-116.6	-4,958.1	337.7	-18.7	356.34	0.948	Level 1
14,100.0	7,244.8	14,165.3	7,315.8	184.5	184.5	-102.15	-117.7	-5,058.1	337.7	-24.1	361.76	0.933	Level 1
14,200.0	7,245.4	14,265.3	7,316.3	187.3	187.2	-102.12	-118.8	-5,158.1	337.6	-29.5	367.18	0.920	Level 1
14,300.0	7,245.9	14,365.3	7,316.7	190.0	190.0	-102.10	-119.9	-5,258.1	337.6	-35.0	372.60	0.906	Level 1
14,400.0	7,246.5	14,465.3	7,317.1	192.8	192.8	-102.07	-121.0	-5,358.1	337.6	-40.5	378.03	0.893	Level 1
14,500.0	7,247.1	14,565.3	7,317.6	195.5	195.5	-102.05	-122.1	-5,458.1	337.6	-45.9	383.46	0.880	Level 1
14,600.0	7,247.7	14,665.3	7,318.0	198.3	198.3	-102.03	-123.2	-5,558.1	337.5	-51.4	388.90	0.868	Level 1
14,700.0	7,248.3	14,765.3	7,318.4	201.0	201.0	-102.00	-124.3	-5,658.1	337.5	-56.8	394.34	0.856	Level 1
14,800.0	7,248.8	14,865.3	7,318.9	203.8	203.8	-101.98	-125.4	-5,758.1	337.5	-62.3	399.78	0.844	Level 1
14,900.0	7,249.4	14,965.3	7,319.3	206.6	206.5	-101.95	-126.5	-5,858.0	337.4	-67.8	405.23	0.833	Level 1
15,000.0	7,250.0	15,065.3	7,319.7	209.3	209.3	-101.93	-127.6	-5,958.0	337.4	-73.3	410.68	0.822	Level 1
15,100.0	7,250.6	15,165.3	7,320.2	212.1	212.1	-101.90	-128.7	-6,058.0	337.4	-78.7	416.13	0.811	Level 1
15,200.0	7,251.2	15,265.3	7,320.6	214.9	214.8	-101.88	-129.8	-6,158.0	337.4	-84.2	421.59	0.800	Level 1
15,300.0	7,251.8	15,365.3	7,321.0	217.6	217.6	-101.85	-130.8	-6,258.0	337.3	-89.7	427.05	0.790	Level 1
15,400.0	7,252.3	15,465.3	7,321.5	220.4	220.4	-101.83	-131.9	-6,358.0	337.3	-95.2	432.51	0.780	Level 1
15,500.0	7,252.9	15,565.3	7,321.9	223.2	223.1	-101.80	-133.0	-6,458.0	337.3	-100.7	437.98	0.770	Level 1
15,600.0	7,253.5	15,665.3	7,322.3	225.9	225.9	-101.78	-134.1	-6,558.0	337.3	-106.2	443.45	0.761	Level 1
15,700.0	7,254.1	15,765.3	7,322.8	228.7	228.7	-101.76	-135.2	-6,658.0	337.2	-111.7	448.92	0.751	Level 1
15,800.0	7,254.7	15,865.3	7,323.2	231.5	231.5	-101.73	-136.3	-6,758.0	337.2	-117.2	454.39	0.742	Level 1
15,900.0	7,255.2	15,965.3	7,323.6	234.2	234.2	-101.71	-137.4	-6,858.0	337.2	-122.7	459.87	0.733	Level 1
16,000.0	7,255.8	16,065.3	7,324.1	237.0	237.0	-101.68	-138.5	-6,958.0	337.2	-128.2	465.35	0.725	Level 1
16,100.0	7,256.4	16,165.3	7,324.5	239.8	239.8	-101.66	-139.6	-7,058.0	337.1	-133.7	470.83	0.716	Level 1
16,200.0	7,257.0	16,265.3	7,325.0	242.6	242.6	-101.63	-140.7	-7,158.0	337.1	-139.2	476.31	0.708	Level 1
16,300.0	7,257.6	16,365.3	7,325.4	245.3	245.3	-101.61	-141.8	-7,258.0	337.1	-144.7	481.80	0.700	Level 1
16,400.0	7,258.1	16,465.3	7,325.8	248.1	248.1	-101.58	-142.9	-7,357.9	337.1	-150.2	487.29	0.692	Level 1
16,500.0	7,258.7	16,565.3	7,326.3	250.9	250.9	-101.56	-144.0	-7,457.9	337.0	-155.7	492.78	0.684	Level 1
16,600.0	7,259.3	16,665.3	7,326.7	253.7	253.7	-101.53	-145.1	-7,557.9	337.0	-161.3	498.27	0.676	Level 1
16,700.0	7,259.9	16,765.3	7,327.1	256.5	256.4	-101.51	-146.2	-7,657.9	337.0	-166.8	503.77	0.669	Level 1
16,800.0	7,260.5	16,865.3	7,327.6	259.2	259.2	-101.49	-147.3	-7,757.9	337.0	-172.3	509.26	0.662	Level 1
16,900.0	7,261.0	16,965.3	7,328.0	262.0	262.0	-101.46	-148.4	-7,857.9	336.9	-177.8	514.76	0.655	Level 1
17,000.0	7,261.6	17,065.3	7,328.4	264.8	264.8	-101.44	-149.5	-7,957.9	336.9	-183.3	520.26	0.648	Level 1
17,100.0	7,262.2	17,165.3	7,328.9	267.6	267.6	-101.41	-150.6	-8,057.9	336.9	-188.9	525.77	0.641	Level 1
17,200.0	7,262.8	17,265.3	7,329.3	270.4	270.3	-101.39	-151.7	-8,157.9	336.9	-194.4	531.27	0.634	Level 1
17,300.0	7,263.4	17,365.3	7,329.7	273.1	273.1	-101.36	-152.8	-8,257.9	336.8	-199.9	536.78	0.628	Level 1
17,400.0	7,263.9	17,465.3	7,330.2	275.9	275.9	-101.34	-153.9	-8,357.9	336.8	-205.5	542.29	0.621	Level 1
17,500.0	7,264.5	17,565.3	7,330.6	278.7	278.7	-101.31	-155.0	-8,457.9	336.8	-211.0	547.80	0.615	Level 1
17,600.0	7,265.1	17,665.3	7,331.0	281.5	281.5	-101.29	-156.1	-8,557.9	336.8	-216.5	553.31	0.609	Level 1
17,700.0	7,265.7	17,765.3	7,331.5	284.3	284.3	-101.26	-157.2	-8,657.9	336.7	-222.1	558.83	0.603	Level 1
17,800.0	7,266.3	17,865.3	7,331.9	287.1	287.0	-101.24	-158.3	-8,757.8	336.7	-227.6	564.34	0.597	Level 1
17,900.0	7,266.8	17,965.3	7,332.3	289.9	289.8	-101.21	-159.4	-8,857.8	336.7	-233.2	569.86	0.591	Level 1
18,000.0	7,267.4	18,065.3	7,332.8	292.6	292.6	-101.19	-160.5	-8,957.8	336.7	-238.7	575.38	0.585	Level 1
18,100.0	7,268.0	18,165.3	7,333.2	295.4	295.4	-101.16	-161.6	-9,057.8	336.6	-244.3	580.90	0.580	Level 1
18,200.0	7,268.6	18,265.3	7,333.6	298.2	298.2	-101.14	-162.7	-9,157.8	336.6	-249.8	586.42	0.574	Level 1
18,271.8	7,269.0	18,337.1	7,333.9	300.2	300.2	-101.12	-163.5	-9,229.6	336.6	-253.8	590.39	0.570	Level 1, ES, SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 T-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	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	132.877	
200.0	200.0	200.0	200.0	0.3	0.3	180.00	-29.9	0.0	29.9	29.2	0.67	44.292	CC
300.0	300.0	300.0	300.0	0.6	0.6	101.47	-29.9	0.0	30.1	29.0	1.12	26.986	
400.0	399.9	399.9	399.9	0.8	0.8	108.55	-29.9	0.0	31.1	29.6	1.56	19.922	
500.0	499.7	499.7	499.7	1.0	1.0	119.07	-29.9	0.0	33.8	31.7	2.03	16.654	
600.0	599.3	599.3	599.3	1.3	1.2	130.80	-29.9	0.0	39.1	36.5	2.51	15.561	
700.0	698.6	699.3	699.3	1.6	1.4	140.28	-30.0	1.3	46.8	43.9	2.98	15.702	
800.0	797.5	799.6	799.5	1.9	1.7	146.41	-30.4	5.2	55.9	52.5	3.45	16.222	
900.0	896.1	900.1	899.8	2.2	1.9	150.32	-31.0	11.7	65.9	62.0	3.93	16.773	
1,000.0	994.2	1,000.9	1,000.2	2.6	2.1	152.76	-31.9	20.9	76.4	72.0	4.43	17.261	
1,100.0	1,091.7	1,101.9	1,100.5	3.1	2.4	154.22	-33.1	32.8	87.4	82.5	4.95	17.651	
1,200.0	1,188.6	1,203.2	1,200.6	3.6	2.7	155.01	-34.5	47.3	98.8	93.3	5.51	17.932	
1,300.0	1,284.9	1,304.6	1,300.6	4.1	3.0	155.32	-36.1	64.5	110.4	104.3	6.10	18.103	
1,400.0	1,380.4	1,406.3	1,400.3	4.7	3.4	155.28	-38.1	84.4	122.4	115.7	6.74	18.166	
1,500.0	1,475.0	1,508.2	1,499.7	5.3	3.8	154.98	-40.3	107.0	134.7	127.3	7.43	18.127	
1,600.0	1,568.9	1,610.3	1,598.6	6.0	4.3	154.49	-42.7	132.2	147.3	139.1	8.19	17.993	
1,645.8	1,611.5	1,657.2	1,643.8	6.4	4.5	154.22	-43.9	144.7	153.1	144.6	8.55	17.907	
1,700.0	1,661.9	1,712.7	1,697.0	6.8	4.8	153.84	-45.5	160.2	159.8	150.8	9.02	17.719	
1,800.0	1,754.8	1,815.5	1,795.1	7.5	5.4	152.75	-48.4	190.9	170.6	160.6	9.96	17.130	
1,900.0	1,847.7	1,918.5	1,892.5	8.3	6.0	151.21	-51.7	224.2	179.5	168.4	11.01	16.293	
2,000.0	1,940.7	2,021.6	1,989.0	9.0	6.7	149.21	-55.2	260.3	186.5	174.3	12.20	15.281	
2,100.0	2,033.6	2,121.8	2,082.2	9.8	7.4	147.04	-58.8	296.9	192.5	179.0	13.49	14.265	
2,200.0	2,126.5	2,221.4	2,174.8	10.6	8.2	145.01	-62.3	333.4	198.8	183.9	14.84	13.391	
2,300.0	2,219.4	2,320.9	2,267.4	11.4	8.9	143.10	-65.8	369.8	205.2	189.0	16.24	12.639	
2,400.0	2,312.3	2,420.5	2,359.9	12.1	9.7	141.32	-69.4	406.3	211.9	194.3	17.68	11.991	
2,500.0	2,405.3	2,520.0	2,452.5	12.9	10.4	139.64	-72.9	442.7	218.8	199.7	19.15	11.429	
2,600.0	2,498.2	2,619.6	2,545.1	13.7	11.2	138.06	-76.5	479.2	225.9	205.3	20.65	10.942	
2,700.0	2,591.1	2,719.2	2,637.7	14.5	12.0	136.59	-80.0	515.6	233.1	211.0	22.17	10.517	
2,800.0	2,684.0	2,818.7	2,730.3	15.3	12.7	135.20	-83.6	552.1	240.5	216.8	23.71	10.144	
2,900.0	2,776.9	2,918.3	2,822.9	16.0	13.5	133.89	-87.1	588.5	248.0	222.7	25.26	9.817	
3,000.0	2,869.9	3,017.9	2,915.4	16.8	14.3	132.66	-90.7	625.0	255.6	228.8	26.83	9.527	
3,100.0	2,962.8	3,117.4	3,008.0	17.6	15.1	131.51	-94.2	661.4	263.4	235.0	28.41	9.270	
3,200.0	3,055.7	3,217.0	3,100.6	18.4	15.8	130.42	-97.8	697.9	271.2	241.2	30.00	9.041	
3,300.0	3,148.6	3,316.5	3,193.2	19.2	16.6	129.39	-101.3	734.3	279.1	247.5	31.59	8.836	
3,400.0	3,241.6	3,416.1	3,285.8	20.0	17.4	128.41	-104.9	770.8	287.2	254.0	33.19	8.652	
3,500.0	3,334.5	3,515.7	3,378.4	20.7	18.2	127.49	-108.4	807.2	295.2	260.5	34.79	8.486	
3,600.0	3,427.4	3,615.2	3,470.9	21.5	18.9	126.62	-112.0	843.7	303.4	267.0	36.40	8.336	
3,700.0	3,520.3	3,714.8	3,563.5	22.3	19.7	125.80	-115.5	880.1	311.6	273.6	38.01	8.200	
3,800.0	3,613.2	3,814.4	3,656.1	23.1	20.5	125.02	-119.0	916.5	319.9	280.3	39.62	8.076	
3,900.0	3,706.2	3,913.9	3,748.7	23.9	21.3	124.28	-122.6	953.0	328.3	287.1	41.23	7.963	
4,000.0	3,799.1	4,013.5	3,841.3	24.7	22.1	123.57	-126.1	989.4	336.7	293.8	42.84	7.859	
4,100.0	3,892.0	4,113.1	3,933.9	25.5	22.9	122.90	-129.7	1,025.9	345.1	300.7	44.45	7.764	
4,200.0	3,984.9	4,212.6	4,026.4	26.2	23.6	122.26	-133.2	1,062.3	353.6	307.6	46.07	7.676	
4,300.0	4,077.8	4,312.2	4,119.0	27.0	24.4	121.65	-136.8	1,098.8	362.2	314.5	47.68	7.596	
4,400.0	4,170.8	4,411.7	4,211.6	27.8	25.2	121.07	-140.3	1,135.2	370.7	321.4	49.29	7.521	
4,500.0	4,263.7	4,511.3	4,304.2	28.6	26.0	120.52	-143.9	1,171.7	379.3	328.4	50.91	7.452	
4,600.0	4,356.6	4,610.9	4,396.8	29.4	26.8	119.99	-147.4	1,208.1	388.0	335.5	52.52	7.388	
4,700.0	4,449.5	4,710.4	4,489.4	30.2	27.6	119.48	-151.0	1,244.6	396.7	342.5	54.13	7.328	
4,800.0	4,542.5	4,810.0	4,581.9	31.0	28.4	118.99	-154.5	1,281.0	405.4	349.6	55.74	7.272	
4,900.0	4,635.4	4,909.6	4,674.5	31.8	29.1	118.53	-158.1	1,317.5	414.1	356.7	57.35	7.220	
5,000.0	4,728.3	5,009.1	4,767.1	32.5	29.9	118.08	-161.6	1,353.9	422.9	363.9	58.96	7.172	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 T-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	4,821.2	5,108.7	4,859.7	33.3	30.7	117.66	-165.1	1,390.4	431.6	371.1	60.57	7.126	
5,200.0	4,914.1	5,208.2	4,952.3	34.1	31.5	117.24	-168.7	1,426.8	440.4	378.3	62.18	7.083	
5,300.0	5,007.1	5,307.8	5,044.9	34.9	32.3	116.85	-172.2	1,463.3	449.3	385.5	63.79	7.043	
5,336.9	5,041.3	5,344.5	5,079.0	35.2	32.6	116.71	-173.5	1,476.7	452.5	388.2	64.38	7.029	
5,400.0	5,100.2	5,407.4	5,137.4	35.6	33.1	116.49	-175.8	1,499.7	457.8	392.5	65.36	7.004	
5,500.0	5,194.5	5,506.9	5,230.0	36.2	33.9	115.82	-179.3	1,536.2	465.0	398.1	66.89	6.952	
5,600.0	5,289.9	5,606.3	5,322.4	36.7	34.7	114.77	-182.9	1,572.6	470.7	402.3	68.46	6.876	
5,700.0	5,386.3	5,705.4	5,414.6	37.2	35.4	113.34	-186.4	1,608.8	475.3	405.2	70.07	6.784	
5,800.0	5,483.6	5,802.7	5,505.3	37.6	36.1	111.67	-189.8	1,643.8	479.0	407.5	71.57	6.693	
5,900.0	5,581.6	5,900.0	5,597.1	37.9	36.7	110.01	-192.9	1,675.9	482.3	409.5	72.83	6.623	
6,000.0	5,680.3	5,997.2	5,689.8	38.2	37.2	108.37	-195.7	1,704.8	485.2	411.3	73.93	6.563	
6,100.0	5,779.4	6,095.2	5,784.3	38.4	37.6	106.74	-198.3	1,730.8	487.7	412.8	74.89	6.512	
6,200.0	5,879.0	6,193.7	5,880.1	38.6	38.0	105.12	-200.5	1,753.6	489.7	414.0	75.70	6.469	
6,300.0	5,978.8	6,292.7	5,977.1	38.8	38.4	103.50	-202.4	1,773.3	491.2	414.9	76.36	6.433	
6,400.0	6,078.7	6,392.3	6,075.3	38.9	38.7	101.89	-204.0	1,789.7	492.3	415.4	76.89	6.403	
6,421.3	6,100.0	6,413.5	6,096.3	38.9	38.7	-177.47	-204.3	1,792.7	492.5	455.5	37.01	13.308	
6,500.0	6,178.7	6,492.5	6,174.6	38.9	38.9	-178.63	-205.3	1,802.7	493.1	456.0	37.11	13.287	
6,600.0	6,278.7	6,593.5	6,275.1	39.0	39.1	-179.76	-206.2	1,812.4	493.9	456.6	37.33	13.231	
6,700.0	6,378.7	6,695.0	6,376.5	39.1	39.2	179.53	-206.8	1,818.5	494.5	456.9	37.59	13.155	
6,800.0	6,478.7	6,796.9	6,478.3	39.2	39.3	179.23	-207.1	1,821.1	494.8	456.9	37.87	13.066	
6,814.2	6,493.0	6,811.4	6,492.8	39.2	39.4	179.23	-207.1	1,821.2	494.8	456.9	37.91	13.052	
6,850.0	6,528.7	6,847.3	6,528.7	39.2	39.4	-90.25	-207.1	1,821.2	494.8	416.7	78.09	6.337	
6,900.0	6,578.5	6,897.1	6,578.5	39.2	39.4	-90.73	-207.1	1,821.2	494.9	416.7	78.11	6.336	
6,950.0	6,627.9	6,946.5	6,627.9	39.1	39.5	-91.60	-207.1	1,821.2	495.0	416.9	78.08	6.340	
7,000.0	6,676.7	6,996.2	6,677.7	39.0	39.5	-92.78	-207.1	1,820.6	495.4	417.4	77.99	6.353	
7,050.0	6,724.5	7,047.2	6,728.5	38.9	39.5	-94.00	-207.1	1,816.7	496.1	418.3	77.80	6.377	
7,100.0	6,771.2	7,099.0	6,779.7	38.8	39.4	-95.20	-207.2	1,809.0	497.0	419.4	77.51	6.411	
7,150.0	6,816.6	7,151.7	6,831.1	38.7	39.3	-96.39	-207.3	1,797.4	498.0	420.9	77.15	6.456	
7,200.0	6,860.3	7,205.2	6,882.3	38.5	39.2	-97.55	-207.5	1,781.8	499.3	422.6	76.71	6.509	
7,250.0	6,902.3	7,259.7	6,933.0	38.3	39.1	-98.67	-207.7	1,762.0	500.8	424.5	76.22	6.570	
7,300.0	6,942.3	7,315.0	6,982.9	38.2	38.9	-99.76	-208.0	1,738.1	502.3	426.7	75.69	6.637	
7,350.0	6,980.1	7,371.4	7,031.6	38.0	38.8	-100.81	-208.3	1,709.8	504.0	428.9	75.13	6.709	
7,400.0	7,015.6	7,428.6	7,078.7	37.9	38.6	-101.80	-208.6	1,677.2	505.8	431.2	74.57	6.782	
7,450.0	7,048.4	7,486.8	7,123.7	37.8	38.4	-102.73	-209.0	1,640.4	507.6	433.5	74.04	6.856	
7,500.0	7,078.6	7,545.8	7,166.1	37.7	38.3	-103.59	-209.5	1,599.4	509.4	435.8	73.54	6.926	
7,550.0	7,105.9	7,605.8	7,205.6	37.6	38.1	-104.38	-210.0	1,554.3	511.1	438.0	73.11	6.991	
7,600.0	7,130.3	7,666.5	7,241.7	37.6	38.1	-105.09	-210.5	1,505.5	512.7	439.9	72.77	7.045	
7,650.0	7,151.5	7,728.0	7,273.8	37.6	38.0	-105.71	-211.1	1,453.1	514.2	441.6	72.55	7.088	
7,700.0	7,169.5	7,790.1	7,301.6	37.6	38.0	-106.24	-211.7	1,397.6	515.5	443.1	72.45	7.115	
7,750.0	7,184.2	7,852.8	7,324.7	37.7	38.1	-106.68	-212.4	1,339.3	516.6	444.1	72.50	7.126	
7,800.0	7,195.6	7,916.0	7,342.7	37.9	38.3	-107.02	-213.0	1,278.8	517.5	444.8	72.70	7.118	
7,850.0	7,203.5	7,979.5	7,355.3	38.1	38.5	-107.25	-213.7	1,216.6	518.1	445.0	73.06	7.091	
7,900.0	7,208.0	8,043.2	7,362.4	38.3	38.8	-107.37	-214.4	1,153.3	518.4	444.8	73.56	7.048	
7,934.9	7,209.0	8,087.7	7,364.0	38.5	39.0	-107.39	-214.9	1,108.8	518.5	444.5	73.98	7.008	
7,934.9	7,209.0	8,087.8	7,364.0	38.5	39.0	-107.39	-214.9	1,108.7	518.5	444.5	73.99	7.008	
7,936.3	7,209.0	8,089.5	7,364.0	38.5	39.0	-107.39	-214.9	1,107.0	518.5	444.5	74.00	7.006	
8,000.0	7,209.4	8,153.4	7,364.1	38.8	39.4	-107.36	-215.6	1,043.1	518.4	443.6	74.81	6.929	
8,100.0	7,210.0	8,253.4	7,364.2	39.6	40.2	-107.31	-216.7	943.1	518.2	441.9	76.34	6.789	
8,200.0	7,210.5	8,353.4	7,364.3	40.5	41.1	-107.26	-217.8	843.1	518.1	439.9	78.20	6.625	
8,300.0	7,211.1	8,453.4	7,364.4	41.6	42.2	-107.21	-218.9	743.1	518.0	437.6	80.39	6.443	
8,400.0	7,211.7	8,553.4	7,364.4	42.9	43.5	-107.16	-220.0	643.1	517.8	434.9	82.88	6.248	
8,500.0	7,212.3	8,653.4	7,364.5	44.3	44.9	-107.11	-221.1	543.1	517.7	432.1	85.63	6.046	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 T-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,600.0	7,212.9	8,753.4	7,364.6	45.8	46.4	-107.05	-222.2	443.1	517.5	428.9	88.63	5.840	
8,700.0	7,213.4	8,853.4	7,364.7	47.4	48.0	-107.00	-223.3	343.1	517.4	425.6	91.85	5.633	
8,800.0	7,214.0	8,953.4	7,364.8	49.2	49.8	-106.95	-224.4	243.1	517.3	422.0	95.27	5.430	
8,900.0	7,214.6	9,053.4	7,364.9	51.0	51.6	-106.90	-225.5	143.1	517.1	418.3	98.86	5.231	
9,000.0	7,215.2	9,153.4	7,365.0	53.0	53.6	-106.85	-226.6	43.1	517.0	414.4	102.62	5.038	
9,100.0	7,215.8	9,253.4	7,365.1	55.0	55.6	-106.80	-227.7	-56.8	516.9	410.3	106.53	4.852	
9,200.0	7,216.3	9,353.4	7,365.2	57.1	57.7	-106.74	-228.8	-156.8	516.7	406.2	110.56	4.674	
9,300.0	7,216.9	9,453.4	7,365.3	59.2	59.8	-106.69	-229.9	-256.8	516.6	401.9	114.71	4.503	
9,400.0	7,217.5	9,553.4	7,365.4	61.4	62.0	-106.64	-231.0	-356.8	516.5	397.5	118.97	4.341	
9,500.0	7,218.1	9,653.4	7,365.5	63.7	64.2	-106.59	-232.1	-456.8	516.3	393.0	123.31	4.187	
9,600.0	7,218.7	9,753.4	7,365.6	65.9	66.5	-106.54	-233.2	-556.8	516.2	388.4	127.75	4.041	
9,700.0	7,219.2	9,853.4	7,365.7	68.3	68.8	-106.49	-234.3	-656.8	516.1	383.8	132.26	3.902	
9,800.0	7,219.8	9,953.4	7,365.8	70.6	71.2	-106.44	-235.4	-756.8	515.9	379.1	136.84	3.770	
9,900.0	7,220.4	10,053.4	7,365.9	73.0	73.6	-106.38	-236.5	-856.8	515.8	374.3	141.48	3.646	
10,000.0	7,221.0	10,153.4	7,366.0	75.5	76.0	-106.33	-237.6	-956.8	515.7	369.5	146.17	3.528	
10,100.0	7,221.6	10,253.4	7,366.1	77.9	78.4	-106.28	-238.7	-1,056.8	515.5	364.6	150.93	3.416	
10,200.0	7,222.1	10,353.4	7,366.2	80.4	80.9	-106.23	-239.8	-1,156.8	515.4	359.7	155.72	3.310	
10,300.0	7,222.7	10,453.4	7,366.3	82.9	83.4	-106.18	-240.9	-1,256.8	515.3	354.7	160.56	3.209	
10,400.0	7,223.3	10,553.4	7,366.4	85.4	85.9	-106.12	-242.0	-1,356.7	515.1	349.7	165.44	3.114	
10,500.0	7,223.9	10,653.4	7,366.5	87.9	88.4	-106.07	-243.1	-1,456.7	515.0	344.6	170.36	3.023	
10,600.0	7,224.5	10,753.4	7,366.6	90.5	91.0	-106.02	-244.2	-1,556.7	514.9	339.6	175.31	2.937	
10,700.0	7,225.0	10,853.4	7,366.7	93.0	93.5	-105.97	-245.3	-1,656.7	514.7	334.5	180.30	2.855	
10,800.0	7,225.6	10,953.4	7,366.8	95.6	96.1	-105.92	-246.4	-1,756.7	514.6	329.3	185.31	2.777	
10,900.0	7,226.2	11,053.4	7,366.9	98.2	98.7	-105.87	-247.5	-1,856.7	514.5	324.1	190.35	2.703	
11,000.0	7,226.8	11,153.4	7,367.0	100.8	101.3	-105.81	-248.6	-1,956.7	514.4	319.0	195.41	2.632	
11,100.0	7,227.4	11,253.4	7,367.1	103.4	103.9	-105.76	-249.7	-2,056.7	514.2	313.7	200.50	2.565	
11,200.0	7,228.0	11,353.4	7,367.1	106.0	106.5	-105.71	-250.8	-2,156.7	514.1	308.5	205.61	2.500	
11,300.0	7,228.5	11,453.4	7,367.2	108.7	109.1	-105.66	-251.9	-2,256.7	514.0	303.2	210.74	2.439	
11,400.0	7,229.1	11,553.4	7,367.3	111.3	111.8	-105.60	-252.9	-2,356.7	513.9	298.0	215.88	2.380	
11,500.0	7,229.7	11,653.4	7,367.4	114.0	114.4	-105.55	-254.0	-2,456.7	513.7	292.7	221.05	2.324	
11,600.0	7,230.3	11,753.4	7,367.5	116.6	117.1	-105.50	-255.1	-2,556.7	513.6	287.4	226.23	2.270	
11,700.0	7,230.9	11,853.4	7,367.6	119.3	119.7	-105.45	-256.2	-2,656.7	513.5	282.1	231.43	2.219	
11,800.0	7,231.4	11,953.4	7,367.7	121.9	122.4	-105.40	-257.3	-2,756.6	513.4	276.7	236.65	2.169	
11,900.0	7,232.0	12,053.4	7,367.8	124.6	125.1	-105.34	-258.4	-2,856.6	513.2	271.4	241.87	2.122	
12,000.0	7,232.6	12,153.4	7,367.9	127.3	127.7	-105.29	-259.5	-2,956.6	513.1	266.0	247.12	2.076	
12,100.0	7,233.2	12,253.4	7,368.0	130.0	130.4	-105.24	-260.6	-3,056.6	513.0	260.6	252.37	2.033	
12,200.0	7,233.8	12,353.4	7,368.1	132.7	133.1	-105.19	-261.7	-3,156.6	512.9	255.2	257.64	1.991	
12,300.0	7,234.3	12,453.4	7,368.2	135.4	135.8	-105.13	-262.8	-3,256.6	512.7	249.8	262.91	1.950	
12,400.0	7,234.9	12,553.4	7,368.3	138.1	138.5	-105.08	-263.9	-3,356.6	512.6	244.4	268.20	1.911	
12,500.0	7,235.5	12,653.4	7,368.4	140.8	141.2	-105.03	-265.0	-3,456.6	512.5	239.0	273.50	1.874	
12,600.0	7,236.1	12,753.4	7,368.5	143.5	143.9	-104.98	-266.1	-3,556.6	512.4	233.6	278.81	1.838	
12,700.0	7,236.7	12,853.4	7,368.6	146.2	146.6	-104.93	-267.2	-3,656.6	512.3	228.1	284.13	1.803	
12,800.0	7,237.2	12,953.4	7,368.7	148.9	149.4	-104.87	-268.3	-3,756.6	512.1	222.7	289.46	1.769	
12,900.0	7,237.8	13,053.4	7,368.8	151.6	152.1	-104.82	-269.4	-3,856.6	512.0	217.2	294.79	1.737	
13,000.0	7,238.4	13,153.4	7,368.9	154.4	154.8	-104.77	-270.5	-3,956.6	511.9	211.8	300.14	1.706	
13,100.0	7,239.0	13,253.4	7,369.0	157.1	157.5	-104.72	-271.6	-4,056.6	511.8	206.3	305.49	1.675	
13,200.0	7,239.6	13,353.4	7,369.1	159.8	160.2	-104.66	-272.7	-4,156.5	511.7	200.8	310.85	1.646	
13,300.0	7,240.1	13,453.4	7,369.2	162.6	163.0	-104.61	-273.8	-4,256.5	511.5	195.3	316.22	1.618	
13,400.0	7,240.7	13,553.4	7,369.3	165.3	165.7	-104.56	-274.9	-4,356.5	511.4	189.8	321.59	1.590	
13,500.0	7,241.3	13,653.4	7,369.4	168.0	168.4	-104.51	-276.0	-4,456.5	511.3	184.3	326.98	1.564	
13,600.0	7,241.9	13,753.3	7,369.5	170.8	171.2	-104.45	-277.1	-4,556.5	511.2	178.8	332.36	1.538	
13,700.0	7,242.5	13,853.3	7,369.6	173.5	173.9	-104.40	-278.2	-4,656.5	511.1	173.3	337.76	1.513	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 T-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
13,800.0	7,243.0	13,953.3	7,369.7	176.3	176.7	-104.35	-279.3	-4,756.5	511.0	167.8	343.16	1.489	Level 3
13,900.0	7,243.6	14,053.3	7,369.8	179.0	179.4	-104.29	-280.4	-4,856.5	510.9	162.3	348.57	1.466	Level 3
14,000.0	7,244.2	14,153.3	7,369.9	181.8	182.2	-104.24	-281.5	-4,956.5	510.7	156.8	353.98	1.443	Level 3
14,100.0	7,244.8	14,253.3	7,369.9	184.5	184.9	-104.19	-282.6	-5,056.5	510.6	151.2	359.40	1.421	Level 3
14,200.0	7,245.4	14,353.3	7,370.0	187.3	187.7	-104.14	-283.7	-5,156.5	510.5	145.7	364.83	1.399	Level 3
14,300.0	7,245.9	14,453.3	7,370.1	190.0	190.4	-104.08	-284.8	-5,256.5	510.4	140.1	370.26	1.378	Level 3
14,400.0	7,246.5	14,553.3	7,370.2	192.8	193.2	-104.03	-285.9	-5,356.5	510.3	134.6	375.69	1.358	Level 3
14,500.0	7,247.1	14,653.3	7,370.3	195.5	195.9	-103.98	-287.0	-5,456.5	510.2	129.0	381.13	1.339	Level 3
14,600.0	7,247.7	14,753.3	7,370.4	198.3	198.7	-103.92	-288.1	-5,556.4	510.1	123.5	386.58	1.319	Level 3
14,700.0	7,248.3	14,853.3	7,370.5	201.0	201.4	-103.87	-289.2	-5,656.4	509.9	117.9	392.03	1.301	Level 3
14,800.0	7,248.8	14,953.3	7,370.6	203.8	204.2	-103.82	-290.3	-5,756.4	509.8	112.4	397.48	1.283	Level 3
14,900.0	7,249.4	15,053.3	7,370.7	206.6	207.0	-103.77	-291.4	-5,856.4	509.7	106.8	402.94	1.265	Level 3
15,000.0	7,250.0	15,153.3	7,370.8	209.3	209.7	-103.71	-292.5	-5,956.4	509.6	101.2	408.40	1.248	Level 2
15,100.0	7,250.6	15,253.3	7,370.9	212.1	212.5	-103.66	-293.6	-6,056.4	509.5	95.6	413.87	1.231	Level 2
15,200.0	7,251.2	15,353.3	7,371.0	214.9	215.3	-103.61	-294.7	-6,156.4	509.4	90.1	419.34	1.215	Level 2
15,300.0	7,251.8	15,453.3	7,371.1	217.6	218.0	-103.55	-295.8	-6,256.4	509.3	84.5	424.82	1.199	Level 2
15,400.0	7,252.3	15,553.3	7,371.2	220.4	220.8	-103.50	-296.9	-6,356.4	509.2	78.9	430.30	1.183	Level 2
15,500.0	7,252.9	15,653.3	7,371.3	223.2	223.6	-103.45	-298.0	-6,456.4	509.1	73.3	435.79	1.168	Level 2
15,600.0	7,253.5	15,753.3	7,371.4	225.9	226.3	-103.39	-299.1	-6,556.4	509.0	67.7	441.27	1.153	Level 2
15,700.0	7,254.1	15,853.3	7,371.5	228.7	229.1	-103.34	-300.2	-6,656.4	508.9	62.1	446.77	1.139	Level 2
15,800.0	7,254.7	15,953.3	7,371.6	231.5	231.9	-103.29	-301.3	-6,756.4	508.7	56.5	452.26	1.125	Level 2
15,900.0	7,255.2	16,053.3	7,371.7	234.2	234.6	-103.24	-302.4	-6,856.4	508.6	50.9	457.76	1.111	Level 2
16,000.0	7,255.8	16,153.3	7,371.8	237.0	237.4	-103.18	-303.5	-6,956.3	508.5	45.3	463.27	1.098	Level 2
16,100.0	7,256.4	16,253.3	7,371.9	239.8	240.2	-103.13	-304.6	-7,056.3	508.4	39.7	468.77	1.085	Level 2
16,200.0	7,257.0	16,353.3	7,372.0	242.6	243.0	-103.08	-305.7	-7,156.3	508.3	34.0	474.28	1.072	Level 2
16,300.0	7,257.6	16,453.3	7,372.1	245.3	245.7	-103.02	-306.8	-7,256.3	508.2	28.4	479.79	1.059	Level 2
16,400.0	7,258.1	16,553.3	7,372.2	248.1	248.5	-102.97	-307.9	-7,356.3	508.1	22.8	485.31	1.047	Level 2
16,500.0	7,258.7	16,653.3	7,372.3	250.9	251.3	-102.92	-309.0	-7,456.3	508.0	17.2	490.83	1.035	Level 2
16,600.0	7,259.3	16,753.3	7,372.4	253.7	254.1	-102.86	-310.1	-7,556.3	507.9	11.6	496.35	1.023	Level 2
16,700.0	7,259.9	16,853.3	7,372.5	256.5	256.8	-102.81	-311.2	-7,656.3	507.8	5.9	501.88	1.012	Level 2
16,800.0	7,260.5	16,953.3	7,372.6	259.2	259.6	-102.76	-312.3	-7,756.3	507.7	0.3	507.41	1.001	Level 2
16,900.0	7,261.0	17,053.3	7,372.7	262.0	262.4	-102.70	-313.4	-7,856.3	507.6	-5.3	512.94	0.990	Level 1
17,000.0	7,261.6	17,153.3	7,372.7	264.8	265.2	-102.65	-314.5	-7,956.3	507.5	-11.0	518.48	0.979	Level 1
17,100.0	7,262.2	17,253.3	7,372.8	267.6	268.0	-102.60	-315.6	-8,056.3	507.4	-16.6	524.01	0.968	Level 1
17,200.0	7,262.8	17,353.3	7,372.9	270.4	270.7	-102.54	-316.7	-8,156.3	507.3	-22.3	529.56	0.958	Level 1
17,300.0	7,263.4	17,453.3	7,373.0	273.1	273.5	-102.49	-317.8	-8,256.2	507.2	-27.9	535.10	0.948	Level 1
17,400.0	7,263.9	17,553.3	7,373.1	275.9	276.3	-102.44	-318.9	-8,356.2	507.1	-33.5	540.65	0.938	Level 1
17,500.0	7,264.5	17,653.3	7,373.2	278.7	279.1	-102.38	-320.0	-8,456.2	507.0	-39.2	546.19	0.928	Level 1
17,600.0	7,265.1	17,753.3	7,373.3	281.5	281.9	-102.33	-321.1	-8,556.2	506.9	-44.8	551.75	0.919	Level 1
17,700.0	7,265.7	17,853.3	7,373.4	284.3	284.7	-102.27	-322.2	-8,656.2	506.8	-50.5	557.30	0.909	Level 1
17,800.0	7,266.3	17,953.3	7,373.5	287.1	287.4	-102.22	-323.2	-8,756.2	506.7	-56.2	562.86	0.900	Level 1
17,900.0	7,266.8	18,053.3	7,373.6	289.9	290.2	-102.17	-324.3	-8,856.2	506.6	-61.8	568.42	0.891	Level 1
18,000.0	7,267.4	18,153.3	7,373.7	292.6	293.0	-102.11	-325.4	-8,956.2	506.5	-67.5	573.98	0.882	Level 1
18,100.0	7,268.0	18,253.3	7,373.8	295.4	295.8	-102.06	-326.5	-9,056.2	506.4	-73.1	579.54	0.874	Level 1
18,200.0	7,268.6	18,353.3	7,373.9	298.2	298.6	-102.01	-327.6	-9,156.2	506.3	-78.8	585.11	0.865	Level 1
18,271.8	7,269.0	18,425.1	7,374.0	300.2	300.6	-101.97	-328.4	-9,228.0	506.2	-82.9	589.11	0.859	Level 1, ES, SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 U-27-28HN - Wellbore #1 - Plan #1 (8-02-17)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-180.00	-44.8	0.0	44.8				
100.0	100.0	100.0	100.0	0.1	0.1	-180.00	-44.8	0.0	44.8	44.6	0.22	199.334	
200.0	200.0	200.0	200.0	0.3	0.3	-180.00	-44.8	0.0	44.8	44.1	0.67	66.445	CC, ES
300.0	300.0	299.8	299.8	0.6	0.5	99.01	-45.0	1.3	45.2	44.1	1.10	41.052	
400.0	399.9	399.6	399.5	0.8	0.8	99.02	-45.7	5.1	46.5	45.0	1.54	30.275	
500.0	499.7	499.3	499.0	1.0	1.0	99.03	-46.9	11.5	48.7	46.7	2.01	24.244	
600.0	599.3	599.1	598.3	1.3	1.3	99.04	-48.5	20.5	51.8	49.3	2.53	20.495	
700.0	698.6	698.7	697.3	1.6	1.5	99.05	-50.6	32.0	55.7	52.6	3.10	17.983	
800.0	797.5	798.4	795.9	1.9	1.9	99.05	-53.1	46.0	60.5	56.7	3.73	16.206	
900.0	896.1	897.9	894.0	2.2	2.2	99.05	-56.1	62.6	66.1	61.7	4.44	14.894	
1,000.0	994.2	997.4	991.6	2.6	2.6	99.04	-59.5	81.6	72.6	67.4	5.23	13.894	
1,100.0	1,091.7	1,096.8	1,088.6	3.1	3.1	99.02	-63.4	103.1	80.0	73.9	6.10	13.109	
1,200.0	1,188.6	1,196.1	1,184.8	3.6	3.6	98.99	-67.7	127.1	88.2	81.1	7.06	12.479	
1,300.0	1,284.9	1,295.3	1,280.3	4.1	4.1	98.95	-72.4	153.5	97.2	89.1	8.12	11.964	
1,400.0	1,380.4	1,394.4	1,375.0	4.7	4.7	98.90	-77.6	182.3	107.0	97.8	9.28	11.535	
1,500.0	1,475.0	1,493.3	1,468.7	5.3	5.3	98.85	-83.2	213.4	117.7	107.2	10.54	11.171	
1,600.0	1,568.9	1,592.2	1,561.6	6.0	6.0	98.78	-89.2	246.9	129.2	117.3	11.90	10.861	
1,645.8	1,611.5	1,637.7	1,604.1	6.4	6.3	98.91	-92.1	262.8	134.7	122.2	12.55	10.730	
1,700.0	1,661.9	1,691.4	1,654.4	6.8	6.7	99.26	-95.5	281.6	141.2	127.9	13.34	10.588	
1,800.0	1,754.8	1,790.7	1,747.2	7.5	7.5	99.84	-101.7	316.2	153.3	138.5	14.80	10.357	
1,900.0	1,847.7	1,890.0	1,840.0	8.3	8.2	100.33	-107.9	350.8	165.4	149.1	16.28	10.162	
2,000.0	1,940.7	1,989.2	1,932.8	9.0	8.9	100.75	-114.2	385.4	177.5	159.8	17.76	9.995	
2,100.0	2,033.6	2,088.5	2,025.6	9.8	9.7	101.12	-120.4	420.0	189.6	170.4	19.25	9.851	
2,200.0	2,126.5	2,187.7	2,118.5	10.6	10.4	101.44	-126.6	454.7	201.7	181.0	20.74	9.726	
2,300.0	2,219.4	2,287.0	2,211.3	11.4	11.2	101.73	-132.9	489.3	213.9	191.6	22.24	9.617	
2,400.0	2,312.3	2,386.2	2,304.1	12.1	11.9	101.99	-139.1	523.9	226.0	202.2	23.74	9.520	
2,500.0	2,405.3	2,485.5	2,396.9	12.9	12.7	102.22	-145.3	558.5	238.1	212.9	25.24	9.434	
2,600.0	2,498.2	2,584.8	2,489.7	13.7	13.4	102.43	-151.5	593.1	250.2	223.5	26.74	9.357	
2,700.0	2,591.1	2,684.0	2,582.5	14.5	14.2	102.62	-157.8	627.8	262.4	234.1	28.25	9.288	
2,800.0	2,684.0	2,783.3	2,675.4	15.3	14.9	102.79	-164.0	662.4	274.5	244.7	29.76	9.225	
2,900.0	2,776.9	2,882.5	2,768.2	16.0	15.7	102.95	-170.2	697.0	286.6	255.4	31.26	9.168	
3,000.0	2,869.9	2,981.8	2,861.0	16.8	16.4	103.09	-176.5	731.6	298.8	266.0	32.77	9.117	
3,100.0	2,962.8	3,081.1	2,953.8	17.6	17.2	103.23	-182.7	766.2	310.9	276.6	34.28	9.069	
3,200.0	3,055.7	3,180.3	3,046.6	18.4	17.9	103.35	-188.9	800.9	323.1	287.3	35.80	9.026	
3,300.0	3,148.6	3,279.6	3,139.4	19.2	18.7	103.47	-195.2	835.5	335.2	297.9	37.31	8.986	
3,400.0	3,241.6	3,378.8	3,232.2	20.0	19.4	103.57	-201.4	870.1	347.4	308.5	38.82	8.948	
3,500.0	3,334.5	3,478.1	3,325.1	20.7	20.2	103.67	-207.6	904.7	359.5	319.2	40.33	8.914	
3,600.0	3,427.4	3,577.3	3,417.9	21.5	20.9	103.77	-213.9	939.4	371.7	329.8	41.84	8.882	
3,700.0	3,520.3	3,676.6	3,510.7	22.3	21.7	103.85	-220.1	974.0	383.8	340.5	43.36	8.852	
3,800.0	3,613.2	3,775.9	3,603.5	23.1	22.4	103.93	-226.3	1,008.6	396.0	351.1	44.87	8.824	
3,900.0	3,706.2	3,875.1	3,696.3	23.9	23.2	104.01	-232.5	1,043.2	408.1	361.7	46.39	8.798	
4,000.0	3,799.1	3,974.4	3,789.1	24.7	24.0	104.08	-238.8	1,077.8	420.3	372.4	47.90	8.774	
4,100.0	3,892.0	4,073.6	3,881.9	25.5	24.7	104.15	-245.0	1,112.5	432.4	383.0	49.42	8.751	
4,200.0	3,984.9	4,172.9	3,974.8	26.2	25.5	104.22	-251.2	1,147.1	444.6	393.6	50.93	8.729	
4,300.0	4,077.8	4,272.1	4,067.6	27.0	26.2	104.28	-257.5	1,181.7	456.7	404.3	52.45	8.709	
4,400.0	4,170.8	4,371.4	4,160.4	27.8	27.0	104.34	-263.7	1,216.3	468.9	414.9	53.96	8.689	
4,500.0	4,263.7	4,470.7	4,253.2	28.6	27.7	104.39	-269.9	1,250.9	481.0	425.6	55.48	8.671	
4,600.0	4,356.6	4,569.9	4,346.0	29.4	28.5	104.44	-276.2	1,285.6	493.2	436.2	56.99	8.654	
4,700.0	4,449.5	4,669.2	4,438.8	30.2	29.3	104.49	-282.4	1,320.2	505.4	446.8	58.51	8.637	
4,800.0	4,542.5	4,768.4	4,531.7	31.0	30.0	104.54	-288.6	1,354.8	517.5	457.5	60.02	8.622	
4,900.0	4,635.4	4,867.7	4,624.5	31.8	30.8	104.59	-294.8	1,389.4	529.7	468.1	61.54	8.607	
5,000.0	4,728.3	4,966.9	4,717.3	32.5	31.5	104.63	-301.1	1,424.0	541.8	478.8	63.06	8.593	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 U-27-28HN - Wellbore #1 - Plan #1 (8-02-17)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	4,821.2	5,066.2	4,810.1	33.3	32.3	104.67	-307.3	1,458.7	554.0	489.4	64.57	8.579	
5,200.0	4,914.1	5,165.5	4,902.9	34.1	33.0	104.71	-313.5	1,493.3	566.1	500.1	66.09	8.566	
5,300.0	5,007.1	5,264.7	4,995.7	34.9	33.8	104.75	-319.8	1,527.9	578.3	510.7	67.61	8.554	
5,336.9	5,041.3	5,301.3	5,030.0	35.2	34.1	104.76	-322.1	1,540.7	582.8	514.6	68.16	8.550	
5,400.0	5,100.2	5,364.0	5,088.6	35.6	34.6	104.87	-326.0	1,562.5	590.3	521.2	69.08	8.545	
5,500.0	5,194.5	5,463.3	5,181.4	36.2	35.3	104.75	-332.2	1,597.2	601.4	531.0	70.42	8.541	
5,600.0	5,289.9	5,562.5	5,274.2	36.7	36.1	104.32	-338.5	1,631.8	611.8	540.0	71.73	8.529	
5,700.0	5,386.3	5,663.3	5,368.9	37.2	36.7	103.69	-344.6	1,665.6	621.2	548.4	72.85	8.528	
5,800.0	5,483.6	5,764.6	5,465.3	37.6	37.2	103.08	-350.1	1,696.4	629.7	555.9	73.82	8.530	
5,900.0	5,581.6	5,866.4	5,563.2	37.9	37.7	102.47	-355.0	1,723.8	637.1	562.4	74.67	8.532	
6,000.0	5,680.3	5,968.6	5,662.4	38.2	38.1	101.86	-359.4	1,748.0	643.5	568.1	75.41	8.533	
6,100.0	5,779.4	6,071.2	5,762.8	38.4	38.5	101.26	-363.1	1,768.7	648.8	572.8	76.03	8.533	
6,200.0	5,879.0	6,174.1	5,864.2	38.6	38.8	100.65	-366.2	1,785.9	653.0	576.5	76.54	8.532	
6,300.0	5,978.8	6,277.4	5,966.6	38.8	39.0	100.04	-368.7	1,799.5	656.2	579.2	76.94	8.529	
6,400.0	6,078.7	6,381.1	6,069.7	38.9	39.2	99.43	-370.5	1,809.6	658.2	581.0	77.23	8.523	
6,421.3	6,100.0	6,403.1	6,091.7	38.9	39.3	-179.72	-370.8	1,811.2	658.5	620.8	37.70	17.466	
6,500.0	6,178.7	6,485.1	6,173.5	38.9	39.4	179.87	-371.6	1,816.0	659.3	621.4	37.94	17.378	
6,600.0	6,278.7	6,589.4	6,277.8	39.0	39.5	179.64	-372.1	1,818.6	659.8	621.6	38.23	17.260	
6,700.0	6,378.7	6,690.3	6,378.7	39.1	39.6	179.64	-372.1	1,818.7	659.8	621.3	38.50	17.137	
6,800.0	6,478.7	6,790.3	6,478.7	39.2	39.6	179.64	-372.1	1,818.7	659.8	621.0	38.78	17.014	
6,814.2	6,493.0	6,804.6	6,493.0	39.2	39.6	179.64	-372.1	1,818.7	659.8	621.0	38.82	16.996	
6,850.0	6,528.7	6,840.2	6,528.6	39.2	39.7	-89.73	-372.1	1,817.8	659.8	581.9	77.96	8.463	
6,900.0	6,578.5	6,890.0	6,578.2	39.2	39.6	-89.73	-372.2	1,813.6	659.8	581.9	77.93	8.467	
6,950.0	6,627.9	6,939.8	6,627.4	39.1	39.6	-89.74	-372.2	1,806.0	659.8	582.0	77.82	8.478	
7,000.0	6,676.7	6,989.6	6,675.9	39.0	39.5	-89.74	-372.4	1,794.9	659.8	582.2	77.65	8.497	
7,050.0	6,724.5	7,039.3	6,723.6	38.9	39.4	-89.75	-372.5	1,780.6	659.8	582.4	77.43	8.521	
7,100.0	6,771.2	7,089.2	6,770.1	38.8	39.3	-89.75	-372.7	1,762.9	659.8	582.6	77.17	8.550	
7,150.0	6,816.6	7,139.0	6,815.3	38.7	39.1	-89.76	-372.9	1,742.0	659.8	582.9	76.88	8.583	
7,200.0	6,860.3	7,188.8	6,859.0	38.5	39.0	-89.77	-373.2	1,718.1	659.8	583.2	76.56	8.618	
7,250.0	6,902.3	7,238.6	6,900.9	38.3	38.8	-89.78	-373.5	1,691.2	659.8	583.6	76.24	8.654	
7,300.0	6,942.3	7,288.4	6,940.8	38.2	38.7	-89.79	-373.8	1,661.4	659.8	583.9	75.93	8.690	
7,350.0	6,980.1	7,338.3	6,978.6	38.0	38.5	-89.80	-374.2	1,628.9	659.8	584.2	75.63	8.725	
7,400.0	7,015.6	7,388.1	7,014.0	37.9	38.4	-89.82	-374.6	1,593.8	659.8	584.5	75.36	8.756	
7,450.0	7,048.4	7,438.0	7,046.9	37.8	38.3	-89.83	-375.0	1,556.4	659.8	584.7	75.13	8.782	
7,500.0	7,078.6	7,487.8	7,077.2	37.7	38.2	-89.85	-375.4	1,516.7	659.8	584.9	74.95	8.803	
7,550.0	7,105.9	7,537.7	7,104.6	37.6	38.1	-89.86	-375.9	1,475.1	659.8	585.0	74.84	8.816	
7,600.0	7,130.3	7,587.6	7,129.0	37.6	38.1	-89.88	-376.4	1,431.6	659.8	585.0	74.80	8.821	
7,650.0	7,151.5	7,637.5	7,150.4	37.6	38.1	-89.90	-376.9	1,386.5	659.8	585.0	74.84	8.816	
7,700.0	7,169.5	7,687.5	7,168.6	37.6	38.2	-89.91	-377.4	1,340.0	659.8	584.8	74.97	8.801	
7,750.0	7,184.2	7,737.4	7,183.4	37.7	38.2	-89.93	-377.9	1,292.3	659.8	584.6	75.18	8.776	
7,800.0	7,195.6	7,787.3	7,195.0	37.9	38.4	-89.95	-378.4	1,243.8	659.8	584.3	75.48	8.742	
7,850.0	7,203.5	7,837.3	7,203.1	38.1	38.5	-89.97	-379.0	1,194.5	659.8	583.9	75.86	8.698	
7,900.0	7,208.0	7,887.3	7,207.8	38.3	38.8	-89.98	-379.5	1,144.7	659.8	583.5	76.32	8.645	
7,934.9	7,209.0	7,922.1	7,209.0	38.5	38.9	-90.00	-379.9	1,109.9	659.8	583.1	76.68	8.605	
7,934.9	7,209.0	7,922.2	7,209.0	38.5	38.9	-90.00	-379.9	1,109.8	659.8	583.1	76.68	8.605	
7,935.2	7,209.0	7,922.5	7,209.0	38.5	38.9	-90.00	-379.9	1,109.5	659.8	583.1	76.68	8.604	
7,936.3	7,209.0	7,923.6	7,209.0	38.5	38.9	-90.00	-379.9	1,108.5	659.8	583.1	76.69	8.603	
8,000.0	7,209.4	7,987.3	7,209.4	38.8	39.3	-90.00	-380.6	1,044.7	659.8	582.3	77.48	8.516	
8,100.0	7,210.0	8,087.3	7,209.9	39.6	40.0	-90.00	-381.7	944.7	659.8	580.8	79.01	8.351	
8,200.0	7,210.5	8,187.3	7,210.5	40.5	40.9	-90.00	-382.8	844.8	659.8	578.9	80.89	8.156	
8,300.0	7,211.1	8,287.3	7,211.1	41.6	41.9	-90.00	-383.9	744.8	659.8	576.7	83.12	7.938	
8,400.0	7,211.7	8,387.3	7,211.7	42.9	43.2	-90.00	-385.0	644.8	659.8	574.2	85.65	7.703	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 U-27-28HN - Wellbore #1 - Plan #1 (8-02-17)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,500.0	7,212.3	8,487.3	7,212.3	44.3	44.5	-90.00	-386.1	544.8	659.8	571.3	88.48	7.458	
8,600.0	7,212.9	8,587.3	7,212.8	45.8	46.0	-90.00	-387.2	444.8	659.8	568.3	91.55	7.207	
8,700.0	7,213.4	8,687.3	7,213.4	47.4	47.6	-90.00	-388.3	344.8	659.8	565.0	94.87	6.955	
8,800.0	7,214.0	8,787.3	7,214.0	49.2	49.4	-90.00	-389.4	244.8	659.8	561.4	98.39	6.706	
8,900.0	7,214.6	8,887.3	7,214.6	51.0	51.2	-90.00	-390.5	144.8	659.8	557.7	102.10	6.463	
9,000.0	7,215.2	8,987.3	7,215.1	53.0	53.1	-90.00	-391.6	44.8	659.8	553.9	105.98	6.226	
9,100.0	7,215.8	9,087.3	7,215.7	55.0	55.1	-90.00	-392.7	-55.2	659.8	549.8	110.01	5.998	
9,200.0	7,216.3	9,187.3	7,216.3	57.1	57.2	-90.00	-393.8	-155.2	659.8	545.7	114.17	5.780	
9,300.0	7,216.9	9,287.3	7,216.9	59.2	59.3	-90.00	-394.9	-255.2	659.8	541.4	118.45	5.571	
9,400.0	7,217.5	9,387.3	7,217.5	61.4	61.5	-90.00	-396.0	-355.2	659.8	537.0	122.84	5.371	
9,500.0	7,218.1	9,487.3	7,218.0	63.7	63.7	-90.00	-397.1	-455.1	659.9	532.5	127.33	5.182	
9,600.0	7,218.7	9,587.3	7,218.6	65.9	66.0	-90.00	-398.2	-555.1	659.9	528.0	131.91	5.003	
9,700.0	7,219.2	9,687.3	7,219.2	68.3	68.3	-90.00	-399.3	-655.1	659.9	523.3	136.56	4.832	
9,800.0	7,219.8	9,787.3	7,219.8	70.6	70.7	-90.00	-400.4	-755.1	659.9	518.6	141.28	4.671	
9,900.0	7,220.4	9,887.3	7,220.4	73.0	73.1	-90.00	-401.5	-855.1	659.9	513.8	146.07	4.518	
10,000.0	7,221.0	9,987.3	7,220.9	75.5	75.5	-90.00	-402.6	-955.1	659.9	509.0	150.91	4.373	
10,100.0	7,221.6	10,087.3	7,221.5	77.9	77.9	-90.00	-403.7	-1,055.1	659.9	504.1	155.81	4.235	
10,200.0	7,222.1	10,187.3	7,222.1	80.4	80.4	-90.00	-404.8	-1,155.1	659.9	499.1	160.75	4.105	
10,300.0	7,222.7	10,287.3	7,222.7	82.9	82.9	-90.00	-405.9	-1,255.1	659.9	494.1	165.74	3.982	
10,400.0	7,223.3	10,387.3	7,223.3	85.4	85.4	-90.00	-407.0	-1,355.1	659.9	489.1	170.76	3.864	
10,500.0	7,223.9	10,487.3	7,223.8	87.9	87.9	-89.99	-408.1	-1,455.1	659.9	484.1	175.82	3.753	
10,600.0	7,224.5	10,587.3	7,224.4	90.5	90.5	-89.99	-409.2	-1,555.1	659.9	479.0	180.92	3.647	
10,700.0	7,225.0	10,687.3	7,225.0	93.0	93.0	-89.99	-410.3	-1,655.1	659.9	473.9	186.04	3.547	
10,800.0	7,225.6	10,787.3	7,225.6	95.6	95.6	-89.99	-411.4	-1,755.0	659.9	468.7	191.20	3.451	
10,900.0	7,226.2	10,887.3	7,226.1	98.2	98.2	-89.99	-412.5	-1,855.0	659.9	463.5	196.37	3.360	
11,000.0	7,226.8	10,987.3	7,226.7	100.8	100.8	-89.99	-413.6	-1,955.0	659.9	458.3	201.58	3.274	
11,100.0	7,227.4	11,087.3	7,227.3	103.4	103.4	-89.99	-414.7	-2,055.0	659.9	453.1	206.80	3.191	
11,200.0	7,228.0	11,187.3	7,227.9	106.0	106.0	-89.99	-415.8	-2,155.0	659.9	447.9	212.04	3.112	
11,300.0	7,228.5	11,287.3	7,228.5	108.7	108.6	-89.99	-416.9	-2,255.0	659.9	442.6	217.31	3.037	
11,400.0	7,229.1	11,387.3	7,229.0	111.3	111.3	-89.99	-418.0	-2,355.0	659.9	437.3	222.59	2.965	
11,500.0	7,229.7	11,487.3	7,229.6	114.0	113.9	-89.99	-419.1	-2,455.0	659.9	432.1	227.88	2.896	
11,600.0	7,230.3	11,587.3	7,230.2	116.6	116.6	-89.99	-420.1	-2,555.0	659.9	426.7	233.19	2.830	
11,700.0	7,230.9	11,687.3	7,230.8	119.3	119.2	-89.99	-421.2	-2,655.0	659.9	421.4	238.52	2.767	
11,800.0	7,231.4	11,787.3	7,231.4	121.9	121.9	-89.99	-422.3	-2,755.0	659.9	416.1	243.86	2.706	
11,900.0	7,232.0	11,887.3	7,231.9	124.6	124.6	-89.99	-423.4	-2,855.0	659.9	410.7	249.21	2.648	
12,000.0	7,232.6	11,987.3	7,232.5	127.3	127.3	-89.99	-424.5	-2,955.0	660.0	405.4	254.57	2.592	
12,100.0	7,233.2	12,087.3	7,233.1	130.0	130.0	-89.99	-425.6	-3,054.9	660.0	400.0	259.94	2.539	
12,200.0	7,233.8	12,187.3	7,233.7	132.7	132.6	-89.99	-426.7	-3,154.9	660.0	394.6	265.33	2.487	
12,300.0	7,234.3	12,287.3	7,234.3	135.4	135.3	-89.99	-427.8	-3,254.9	660.0	389.2	270.72	2.438	
12,400.0	7,234.9	12,387.3	7,234.8	138.1	138.0	-89.99	-428.9	-3,354.9	660.0	383.8	276.12	2.390	
12,500.0	7,235.5	12,487.3	7,235.4	140.8	140.7	-89.99	-430.0	-3,454.9	660.0	378.4	281.53	2.344	
12,600.0	7,236.1	12,587.3	7,236.0	143.5	143.5	-89.99	-431.1	-3,554.9	660.0	373.0	286.95	2.300	
12,700.0	7,236.7	12,687.3	7,236.6	146.2	146.2	-89.99	-432.2	-3,654.9	660.0	367.6	292.38	2.257	
12,800.0	7,237.2	12,787.3	7,237.1	148.9	148.9	-89.99	-433.3	-3,754.9	660.0	362.2	297.81	2.216	
12,900.0	7,237.8	12,887.3	7,237.7	151.6	151.6	-89.99	-434.4	-3,854.9	660.0	356.7	303.25	2.176	
13,000.0	7,238.4	12,987.3	7,238.3	154.4	154.3	-89.99	-435.5	-3,954.9	660.0	351.3	308.70	2.138	
13,100.0	7,239.0	13,087.3	7,238.9	157.1	157.1	-89.99	-436.6	-4,054.9	660.0	345.8	314.15	2.101	
13,200.0	7,239.6	13,187.3	7,239.5	159.8	159.8	-89.99	-437.7	-4,154.9	660.0	340.4	319.61	2.065	
13,300.0	7,240.1	13,287.3	7,240.0	162.6	162.5	-89.99	-438.8	-4,254.9	660.0	334.9	325.08	2.030	
13,400.0	7,240.7	13,387.3	7,240.6	165.3	165.2	-89.99	-439.9	-4,354.8	660.0	329.5	330.54	1.997	
13,500.0	7,241.3	13,487.3	7,241.2	168.0	168.0	-89.99	-441.0	-4,454.8	660.0	324.0	336.02	1.964	
13,600.0	7,241.9	13,587.3	7,241.8	170.8	170.7	-89.99	-442.1	-4,554.8	660.0	318.5	341.50	1.933	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 U-27-28HN - Wellbore #1 - Plan #1 (8-02-17)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
13,700.0	7,242.5	13,687.3	7,242.4	173.5	173.5	-89.99	-443.2	-4,654.8	660.0	313.0	346.98	1.902	
13,800.0	7,243.0	13,787.3	7,242.9	176.3	176.2	-89.99	-444.3	-4,754.8	660.0	307.6	352.47	1.873	
13,900.0	7,243.6	13,887.3	7,243.5	179.0	179.0	-89.99	-445.4	-4,854.8	660.0	302.1	357.96	1.844	
14,000.0	7,244.2	13,987.3	7,244.1	181.8	181.7	-89.99	-446.5	-4,954.8	660.0	296.6	363.46	1.816	
14,100.0	7,244.8	14,087.3	7,244.7	184.5	184.5	-89.99	-447.6	-5,054.8	660.0	291.1	368.95	1.789	
14,200.0	7,245.4	14,187.3	7,245.2	187.3	187.2	-89.99	-448.7	-5,154.8	660.0	285.6	374.46	1.763	
14,300.0	7,245.9	14,287.3	7,245.8	190.0	190.0	-89.99	-449.8	-5,254.8	660.0	280.1	379.96	1.737	
14,400.0	7,246.5	14,387.3	7,246.4	192.8	192.7	-89.99	-450.9	-5,354.8	660.0	274.6	385.47	1.712	
14,500.0	7,247.1	14,487.3	7,247.0	195.5	195.5	-89.99	-452.0	-5,454.8	660.1	269.1	390.99	1.688	
14,600.0	7,247.7	14,587.3	7,247.6	198.3	198.2	-89.99	-453.1	-5,554.8	660.1	263.6	396.50	1.665	
14,700.0	7,248.3	14,687.3	7,248.1	201.0	201.0	-89.99	-454.2	-5,654.7	660.1	258.0	402.02	1.642	
14,800.0	7,248.8	14,787.3	7,248.7	203.8	203.7	-89.99	-455.3	-5,754.7	660.1	252.5	407.54	1.620	
14,900.0	7,249.4	14,887.3	7,249.3	206.6	206.5	-89.99	-456.4	-5,854.7	660.1	247.0	413.07	1.598	
15,000.0	7,250.0	14,987.3	7,249.9	209.3	209.3	-89.99	-457.5	-5,954.7	660.1	241.5	418.59	1.577	
15,100.0	7,250.6	15,087.3	7,250.5	212.1	212.0	-89.99	-458.6	-6,054.7	660.1	236.0	424.12	1.556	
15,200.0	7,251.2	15,187.3	7,251.0	214.9	214.8	-89.99	-459.7	-6,154.7	660.1	230.4	429.65	1.536	
15,300.0	7,251.8	15,287.3	7,251.6	217.6	217.6	-89.99	-460.8	-6,254.7	660.1	224.9	435.19	1.517	
15,400.0	7,252.3	15,387.3	7,252.2	220.4	220.3	-89.99	-461.9	-6,354.7	660.1	219.4	440.72	1.498	Level 3
15,500.0	7,252.9	15,487.3	7,252.8	223.2	223.1	-89.99	-463.0	-6,454.7	660.1	213.8	446.26	1.479	Level 3
15,600.0	7,253.5	15,587.3	7,253.4	225.9	225.9	-89.99	-464.1	-6,554.7	660.1	208.3	451.80	1.461	Level 3
15,700.0	7,254.1	15,687.3	7,253.9	228.7	228.6	-89.99	-465.2	-6,654.7	660.1	202.8	457.34	1.443	Level 3
15,800.0	7,254.7	15,787.3	7,254.5	231.5	231.4	-89.99	-466.3	-6,754.7	660.1	197.2	462.88	1.426	Level 3
15,900.0	7,255.2	15,887.3	7,255.1	234.2	234.2	-89.99	-467.3	-6,854.7	660.1	191.7	468.43	1.409	Level 3
16,000.0	7,255.8	15,987.3	7,255.7	237.0	237.0	-89.99	-468.4	-6,954.6	660.1	186.1	473.98	1.393	Level 3
16,100.0	7,256.4	16,087.3	7,256.2	239.8	239.7	-89.99	-469.5	-7,054.6	660.1	180.6	479.53	1.377	Level 3
16,200.0	7,257.0	16,187.3	7,256.8	242.6	242.5	-89.99	-470.6	-7,154.6	660.1	175.0	485.08	1.361	Level 3
16,300.0	7,257.6	16,287.3	7,257.4	245.3	245.3	-89.99	-471.7	-7,254.6	660.1	169.5	490.63	1.345	Level 3
16,400.0	7,258.1	16,387.3	7,258.0	248.1	248.1	-89.99	-472.8	-7,354.6	660.1	163.9	496.18	1.330	Level 3
16,500.0	7,258.7	16,487.3	7,258.6	250.9	250.8	-89.99	-473.9	-7,454.6	660.1	158.4	501.74	1.316	Level 3
16,600.0	7,259.3	16,587.3	7,259.1	253.7	253.6	-89.99	-475.0	-7,554.6	660.1	152.8	507.29	1.301	Level 3
16,700.0	7,259.9	16,687.3	7,259.7	256.5	256.4	-89.99	-476.1	-7,654.6	660.1	147.3	512.85	1.287	Level 3
16,800.0	7,260.5	16,787.3	7,260.3	259.2	259.2	-89.99	-477.2	-7,754.6	660.1	141.7	518.41	1.273	Level 3
16,900.0	7,261.0	16,887.3	7,260.9	262.0	262.0	-89.99	-478.3	-7,854.6	660.1	136.2	523.97	1.260	Level 3
17,000.0	7,261.6	16,987.3	7,261.5	264.8	264.7	-89.99	-479.4	-7,954.6	660.2	130.6	529.53	1.247	Level 2
17,100.0	7,262.2	17,087.3	7,262.0	267.6	267.5	-89.99	-480.5	-8,054.6	660.2	125.1	535.09	1.234	Level 2
17,200.0	7,262.8	17,187.3	7,262.6	270.4	270.3	-89.99	-481.6	-8,154.6	660.2	119.5	540.66	1.221	Level 2
17,300.0	7,263.4	17,287.3	7,263.2	273.1	273.1	-89.99	-482.7	-8,254.5	660.2	113.9	546.22	1.209	Level 2
17,400.0	7,263.9	17,387.3	7,263.8	275.9	275.9	-89.99	-483.8	-8,354.5	660.2	108.4	551.79	1.196	Level 2
17,500.0	7,264.5	17,487.3	7,264.4	278.7	278.6	-89.99	-484.9	-8,454.5	660.2	102.8	557.36	1.184	Level 2
17,600.0	7,265.1	17,587.3	7,264.9	281.5	281.4	-89.99	-486.0	-8,554.5	660.2	97.3	562.93	1.173	Level 2
17,700.0	7,265.7	17,687.3	7,265.5	284.3	284.2	-89.99	-487.1	-8,654.5	660.2	91.7	568.49	1.161	Level 2
17,800.0	7,266.3	17,787.3	7,266.1	287.1	287.0	-89.99	-488.2	-8,754.5	660.2	86.1	574.06	1.150	Level 2
17,900.0	7,266.8	17,887.3	7,266.7	289.9	289.8	-89.98	-489.3	-8,854.5	660.2	80.6	579.64	1.139	Level 2
18,000.0	7,267.4	17,987.3	7,267.2	292.6	292.6	-89.98	-490.4	-8,954.5	660.2	75.0	585.21	1.128	Level 2
18,100.0	7,268.0	18,087.3	7,267.8	295.4	295.4	-89.98	-491.5	-9,054.5	660.2	69.4	590.78	1.117	Level 2
18,200.0	7,268.6	18,187.3	7,268.4	298.2	298.1	-89.98	-492.6	-9,154.5	660.2	63.8	596.36	1.107	Level 2
18,271.8	7,269.0	18,259.1	7,268.8	300.2	300.1	-89.98	-493.4	-9,226.3	660.2	59.8	600.36	1.100	Level 2, SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 V-27-28HN - Wellbore #1 - Plan #1 (8-02-17)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-180.00	-60.1	0.0	60.1				
100.0	100.0	100.0	100.0	0.1	0.1	-180.00	-60.1	0.0	60.1	59.9	0.22	267.411	
200.0	200.0	200.0	200.0	0.3	0.3	-180.00	-60.1	0.0	60.1	59.4	0.67	89.137	CC
300.0	300.0	300.0	300.0	0.6	0.6	100.23	-60.1	0.0	60.3	59.2	1.12	54.090	ES
400.0	399.9	399.9	399.9	0.8	0.8	103.84	-60.1	0.0	61.1	59.6	1.56	39.172	
500.0	499.7	499.4	499.4	1.0	1.0	108.41	-60.5	1.2	63.2	61.2	2.01	31.492	
600.0	599.3	599.0	599.0	1.3	1.2	112.49	-61.8	4.9	66.9	64.5	2.47	27.087	
700.0	698.6	698.7	698.4	1.6	1.4	115.90	-63.9	11.0	72.2	69.2	2.97	24.271	
800.0	797.5	798.4	797.7	1.9	1.7	118.59	-66.8	19.6	78.9	75.3	3.52	22.394	
900.0	896.1	898.1	896.7	2.2	1.9	120.60	-70.6	30.7	86.9	82.8	4.12	21.084	
1,000.0	994.2	997.8	995.4	2.6	2.2	122.00	-75.2	44.2	96.2	91.4	4.78	20.122	
1,100.0	1,091.7	1,097.5	1,093.6	3.1	2.6	122.91	-80.6	60.1	106.7	101.2	5.51	19.375	
1,200.0	1,188.6	1,197.1	1,191.3	3.6	3.0	123.43	-86.9	78.4	118.4	112.1	6.31	18.765	
1,300.0	1,284.9	1,296.6	1,288.4	4.1	3.4	123.63	-94.0	99.1	131.3	124.1	7.20	18.244	
1,400.0	1,380.4	1,396.1	1,384.8	4.7	3.9	123.60	-101.8	122.2	145.3	137.1	8.17	17.783	
1,500.0	1,475.0	1,495.4	1,480.4	5.3	4.4	123.40	-110.5	147.6	160.4	151.2	9.24	17.366	
1,600.0	1,568.9	1,594.6	1,575.2	6.0	5.0	123.06	-120.0	175.3	176.7	166.3	10.40	16.982	
1,645.8	1,611.5	1,640.0	1,618.3	6.4	5.2	122.87	-124.6	188.8	184.5	173.5	10.97	16.808	
1,700.0	1,661.9	1,693.6	1,669.1	6.8	5.6	122.65	-130.2	205.3	193.8	182.1	11.67	16.607	
1,800.0	1,754.8	1,792.7	1,762.0	7.5	6.3	121.75	-141.2	237.6	210.8	197.8	13.04	16.174	
1,900.0	1,847.7	1,891.6	1,853.9	8.3	7.0	120.33	-153.0	272.1	227.7	213.2	14.50	15.710	
2,000.0	1,940.7	1,989.9	1,944.9	9.0	7.8	118.82	-165.1	307.5	244.7	228.7	16.01	15.284	
2,100.0	2,033.6	2,088.3	2,035.9	9.8	8.5	117.51	-177.2	342.9	261.8	244.2	17.53	14.929	
2,200.0	2,126.5	2,186.7	2,126.8	10.6	9.3	116.35	-189.3	378.4	279.0	259.9	19.07	14.630	
2,300.0	2,219.4	2,285.0	2,217.8	11.4	10.1	115.33	-201.4	413.8	296.3	275.6	20.61	14.376	
2,400.0	2,312.3	2,383.4	2,308.8	12.1	10.9	114.43	-213.5	449.2	313.6	291.5	22.15	14.158	
2,500.0	2,405.3	2,481.7	2,399.7	12.9	11.7	113.61	-225.6	484.6	331.1	307.4	23.70	13.969	
2,600.0	2,498.2	2,580.1	2,490.7	13.7	12.5	112.88	-237.7	520.0	348.6	323.3	25.25	13.805	
2,700.0	2,591.1	2,678.5	2,581.7	14.5	13.3	112.22	-249.8	555.4	366.1	339.3	26.80	13.661	
2,800.0	2,684.0	2,776.8	2,672.6	15.3	14.1	111.62	-261.9	590.9	383.7	355.4	28.36	13.533	
2,900.0	2,776.9	2,875.2	2,763.6	16.0	14.9	111.08	-274.0	626.3	401.4	371.5	29.91	13.420	
3,000.0	2,869.9	2,973.6	2,854.6	16.8	15.7	110.57	-286.0	661.7	419.0	387.6	31.46	13.318	
3,100.0	2,962.8	3,071.9	2,945.5	17.6	16.5	110.11	-298.1	697.1	436.7	403.7	33.02	13.227	
3,200.0	3,055.7	3,170.3	3,036.5	18.4	17.3	109.69	-310.2	732.5	454.5	419.9	34.57	13.145	
3,300.0	3,148.6	3,268.6	3,127.5	19.2	18.1	109.30	-322.3	767.9	472.2	436.1	36.13	13.070	
3,400.0	3,241.6	3,367.0	3,218.4	20.0	18.9	108.93	-334.4	803.4	490.0	452.3	37.68	13.002	
3,500.0	3,334.5	3,465.4	3,309.4	20.7	19.7	108.59	-346.5	838.8	507.8	468.5	39.24	12.940	
3,600.0	3,427.4	3,563.7	3,400.4	21.5	20.5	108.28	-358.6	874.2	525.6	484.8	40.80	12.883	
3,700.0	3,520.3	3,662.1	3,491.3	22.3	21.3	107.98	-370.7	909.6	543.4	501.0	42.35	12.830	
3,800.0	3,613.2	3,760.5	3,582.3	23.1	22.1	107.70	-382.8	945.0	561.2	517.3	43.91	12.782	
3,900.0	3,706.2	3,858.8	3,673.3	23.9	22.9	107.44	-394.9	980.4	579.0	533.6	45.46	12.737	
4,000.0	3,799.1	3,957.2	3,764.2	24.7	23.7	107.20	-407.0	1,015.9	596.9	549.9	47.02	12.695	
4,100.0	3,892.0	4,055.6	3,855.2	25.5	24.5	106.97	-419.1	1,051.3	614.8	566.2	48.57	12.656	
4,200.0	3,984.9	4,153.9	3,946.2	26.2	25.3	106.75	-431.2	1,086.7	632.6	582.5	50.13	12.620	
4,300.0	4,077.8	4,252.3	4,037.1	27.0	26.1	106.55	-443.3	1,122.1	650.5	598.8	51.68	12.586	
4,400.0	4,170.8	4,350.6	4,128.1	27.8	26.9	106.35	-455.4	1,157.5	668.4	615.1	53.24	12.555	
4,500.0	4,263.7	4,449.0	4,219.1	28.6	27.7	106.17	-467.4	1,192.9	686.3	631.5	54.79	12.525	
4,600.0	4,356.6	4,547.4	4,310.0	29.4	28.6	105.99	-479.5	1,228.4	704.2	647.8	56.35	12.497	
4,700.0	4,449.5	4,645.7	4,401.0	30.2	29.4	105.83	-491.6	1,263.8	722.1	664.2	57.90	12.471	
4,800.0	4,542.5	4,744.1	4,491.9	31.0	30.2	105.67	-503.7	1,299.2	740.0	680.5	59.46	12.446	
4,900.0	4,635.4	4,842.5	4,582.9	31.8	31.0	105.52	-515.8	1,334.6	757.9	696.9	61.01	12.422	
5,000.0	4,728.3	4,940.8	4,673.9	32.5	31.8	105.38	-527.9	1,370.0	775.8	713.3	62.57	12.400	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 V-27-28HN - Wellbore #1 - Plan #1 (8-02-17

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	4,821.2	5,039.2	4,764.8	33.3	32.6	105.24	-540.0	1,405.4	793.7	729.6	64.12	12.379 SF	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 W-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 Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-179.79	-75.0	-0.3	75.0				
100.0	100.0	100.0	100.0	0.1	0.1	-179.79	-75.0	-0.3	75.0	74.8	0.22	333.888	
200.0	200.0	200.0	200.0	0.3	0.3	-179.79	-75.0	-0.3	75.0	74.4	0.67	111.296	CC
300.0	300.0	300.0	300.0	0.6	0.6	100.20	-75.0	-0.3	75.3	74.2	1.12	67.489	ES
400.0	399.9	399.9	399.9	0.8	0.8	103.10	-75.0	-0.3	76.1	74.5	1.56	48.734	
500.0	499.7	499.7	499.7	1.0	1.0	107.76	-75.0	-0.3	77.8	75.8	2.02	38.437	
600.0	599.3	599.3	599.3	1.3	1.2	113.86	-75.0	-0.3	81.1	78.6	2.51	32.327	
700.0	698.6	698.5	698.5	1.6	1.4	120.05	-75.6	0.9	86.6	83.6	2.99	28.924	
800.0	797.5	797.9	797.8	1.9	1.6	125.15	-77.1	4.4	94.3	90.8	3.49	27.061	
900.0	896.1	897.4	897.1	2.2	1.8	129.12	-79.7	10.3	104.1	100.1	4.01	25.963	
1,000.0	994.2	997.0	996.3	2.6	2.1	132.07	-83.2	18.6	115.6	111.0	4.57	25.304	
1,100.0	1,091.7	1,096.6	1,095.3	3.1	2.3	134.14	-87.9	29.3	128.6	123.4	5.17	24.879	
1,200.0	1,188.6	1,196.3	1,193.9	3.6	2.6	135.53	-93.5	42.3	143.0	137.1	5.82	24.564	
1,300.0	1,284.9	1,296.0	1,292.2	4.1	2.9	136.36	-100.2	57.7	158.7	152.1	6.53	24.284	
1,400.0	1,380.4	1,395.7	1,390.0	4.7	3.3	136.77	-107.9	75.5	175.6	168.3	7.32	24.000	
1,500.0	1,475.0	1,495.4	1,487.2	5.3	3.7	136.85	-116.6	95.5	193.7	185.5	8.18	23.691	
1,600.0	1,568.9	1,594.9	1,583.7	6.0	4.2	136.68	-126.3	117.9	213.1	203.9	9.12	23.351	
1,645.8	1,611.5	1,640.5	1,627.7	6.4	4.4	136.54	-131.1	128.9	222.3	212.7	9.59	23.179	
1,700.0	1,661.9	1,694.4	1,679.5	6.8	4.7	136.38	-137.0	142.6	233.3	223.1	10.16	22.952	
1,800.0	1,754.8	1,794.0	1,774.7	7.5	5.2	135.68	-148.7	169.5	253.1	241.7	11.31	22.384	
1,900.0	1,847.7	1,893.7	1,869.1	8.3	5.9	134.53	-161.4	198.8	272.2	259.7	12.55	21.696	
2,000.0	1,940.7	1,993.4	1,962.7	9.0	6.5	133.04	-175.1	230.3	290.9	277.1	13.90	20.939	
2,100.0	2,033.6	2,092.8	2,055.1	9.8	7.2	131.25	-189.7	263.9	309.4	294.0	15.35	20.156	
2,200.0	2,126.5	2,191.8	2,146.1	10.6	8.0	129.22	-205.2	299.6	327.6	310.7	16.90	19.386	
2,300.0	2,219.4	2,289.4	2,235.4	11.4	8.8	127.21	-220.9	336.0	346.1	327.6	18.50	18.706	
2,400.0	2,312.3	2,387.0	2,324.6	12.1	9.6	125.40	-236.7	372.3	364.9	344.8	20.11	18.142	
2,500.0	2,405.3	2,484.6	2,413.8	12.9	10.5	123.77	-252.4	408.6	384.1	362.3	21.73	17.671	
2,600.0	2,498.2	2,582.2	2,503.0	13.7	11.3	122.29	-268.2	444.9	403.5	380.2	23.36	17.275	
2,700.0	2,591.1	2,679.8	2,592.2	14.5	12.1	120.95	-283.9	481.2	423.2	398.2	24.98	16.938	
2,800.0	2,684.0	2,777.4	2,681.4	15.3	13.0	119.72	-299.7	517.5	443.1	416.5	26.61	16.650	
2,900.0	2,776.9	2,874.9	2,770.6	16.0	13.8	118.61	-315.4	553.8	463.1	434.9	28.23	16.403	
3,000.0	2,869.9	2,972.5	2,859.7	16.8	14.6	117.58	-331.2	590.1	483.3	453.5	29.86	16.188	
3,100.0	2,962.8	3,070.1	2,948.9	17.6	15.5	116.64	-346.9	626.4	503.7	472.2	31.48	16.001	
3,200.0	3,055.7	3,167.7	3,038.1	18.4	16.3	115.76	-362.7	662.7	524.2	491.1	33.10	15.837	
3,300.0	3,148.6	3,265.3	3,127.3	19.2	17.2	114.96	-378.4	699.0	544.7	510.0	34.71	15.692	
3,400.0	3,241.6	3,362.8	3,216.5	20.0	18.0	114.21	-394.2	735.3	565.4	529.1	36.33	15.564	
3,500.0	3,334.5	3,460.4	3,305.7	20.7	18.9	113.52	-409.9	771.6	586.2	548.2	37.94	15.450	
3,600.0	3,427.4	3,558.0	3,394.9	21.5	19.7	112.87	-425.7	808.0	607.0	567.5	39.55	15.348	
3,700.0	3,520.3	3,655.6	3,484.1	22.3	20.6	112.27	-441.4	844.3	627.9	586.8	41.16	15.257	
3,800.0	3,613.2	3,753.2	3,573.3	23.1	21.4	111.70	-457.2	880.6	648.9	606.1	42.76	15.175	
3,900.0	3,706.2	3,850.8	3,662.5	23.9	22.3	111.17	-472.9	916.9	669.9	625.5	44.36	15.100	
4,000.0	3,799.1	3,948.3	3,751.7	24.7	23.1	110.67	-488.7	953.2	691.0	645.0	45.97	15.033	
4,100.0	3,892.0	4,045.9	3,840.9	25.5	24.0	110.20	-504.5	989.5	712.1	664.5	47.56	14.972	
4,200.0	3,984.9	4,143.5	3,930.1	26.2	24.9	109.76	-520.2	1,025.8	733.3	684.1	49.16	14.916	
4,300.0	4,077.8	4,241.1	4,019.3	27.0	25.7	109.34	-536.0	1,062.1	754.5	703.7	50.76	14.865	
4,400.0	4,170.8	4,338.7	4,108.5	27.8	26.6	108.95	-551.7	1,098.4	775.7	723.4	52.35	14.818	
4,500.0	4,263.7	4,436.2	4,197.7	28.6	27.4	108.58	-567.5	1,134.7	797.0	743.1	53.94	14.775	SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 X-27-28HN - Wellbore #1 - Plan #1 (8-02-17)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-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	400.344	
200.0	200.0	200.0	200.0	0.3	0.3	-179.82	-90.0	-0.3	90.0	89.3	0.67	133.448	CC, ES
300.0	300.0	298.9	298.9	0.6	0.5	99.26	-90.6	0.9	90.8	89.7	1.10	82.753	
400.0	399.9	397.8	397.7	0.8	0.8	99.48	-92.3	4.3	93.2	91.7	1.53	61.010	
500.0	499.7	496.6	496.3	1.0	1.0	99.82	-95.3	10.0	97.2	95.2	1.99	48.731	
600.0	599.3	595.3	594.6	1.3	1.2	100.24	-99.4	17.9	102.8	100.3	2.50	41.063	
700.0	698.6	693.9	692.5	1.6	1.5	100.72	-104.6	28.0	110.0	106.9	3.06	35.914	
800.0	797.5	792.2	789.9	1.9	1.8	101.21	-111.0	40.4	118.8	115.1	3.68	32.265	
900.0	896.1	890.4	886.6	2.2	2.2	101.69	-118.5	55.0	129.2	124.8	4.37	29.574	
1,000.0	994.2	988.3	982.7	2.6	2.6	102.14	-127.2	71.7	141.1	136.0	5.13	27.524	
1,100.0	1,091.7	1,085.8	1,077.9	3.1	3.0	102.55	-136.9	90.6	154.7	148.7	5.97	25.922	
1,200.0	1,188.6	1,183.1	1,172.3	3.6	3.5	102.92	-147.7	111.5	169.8	162.9	6.89	24.643	
1,300.0	1,284.9	1,280.0	1,265.7	4.1	4.0	103.23	-159.6	134.5	186.4	178.5	7.90	23.603	
1,400.0	1,380.4	1,376.5	1,358.0	4.7	4.6	103.48	-172.5	159.4	204.6	195.6	8.99	22.744	
1,500.0	1,475.0	1,472.6	1,449.2	5.3	5.2	103.69	-186.4	186.3	224.2	214.1	10.18	22.023	
1,600.0	1,568.9	1,568.3	1,539.2	6.0	5.9	103.84	-201.3	215.1	245.4	233.9	11.46	21.411	
1,645.8	1,611.5	1,612.0	1,580.1	6.4	6.2	103.90	-208.4	229.0	255.6	243.5	12.08	21.166	
1,700.0	1,661.9	1,663.5	1,628.0	6.8	6.6	104.06	-217.1	245.8	267.9	255.1	12.83	20.881	
1,800.0	1,754.8	1,758.4	1,715.5	7.5	7.3	103.97	-233.9	278.3	291.4	277.1	14.26	20.434	
1,900.0	1,847.7	1,854.0	1,802.8	8.3	8.1	103.52	-251.7	312.7	315.5	299.8	15.73	20.060	
2,000.0	1,940.7	1,950.9	1,891.3	9.0	8.9	103.06	-269.9	348.0	339.9	322.6	17.23	19.723	
2,100.0	2,033.6	2,047.9	1,979.7	9.8	9.8	102.66	-288.2	383.3	364.2	345.5	18.74	19.433	
2,200.0	2,126.5	2,144.8	2,068.2	10.6	10.6	102.31	-306.4	418.6	388.6	368.3	20.26	19.181	
2,300.0	2,219.4	2,241.8	2,156.6	11.4	11.5	102.00	-324.7	454.0	413.0	391.2	21.78	18.960	
2,400.0	2,312.3	2,338.8	2,245.1	12.1	12.3	101.73	-342.9	489.3	437.4	414.1	23.31	18.766	
2,500.0	2,405.3	2,435.7	2,333.5	12.9	13.2	101.49	-361.1	524.6	461.8	436.9	24.83	18.593	
2,600.0	2,498.2	2,532.7	2,422.0	13.7	14.0	101.27	-379.4	559.9	486.2	459.8	26.37	18.439	
2,700.0	2,591.1	2,629.6	2,510.4	14.5	14.9	101.07	-397.6	595.2	510.6	482.7	27.90	18.301	
2,800.0	2,684.0	2,726.6	2,598.8	15.3	15.7	100.89	-415.9	630.5	535.0	505.6	29.43	18.176	
2,900.0	2,776.9	2,823.6	2,687.3	16.0	16.6	100.72	-434.1	665.8	559.4	528.4	30.97	18.063	
3,000.0	2,869.9	2,920.5	2,775.7	16.8	17.4	100.57	-452.3	701.1	583.8	551.3	32.51	17.960	
3,100.0	2,962.8	3,017.5	2,864.2	17.6	18.3	100.43	-470.6	736.4	608.3	574.2	34.05	17.866	
3,200.0	3,055.7	3,114.4	2,952.6	18.4	19.2	100.30	-488.8	771.7	632.7	597.1	35.59	17.779	
3,300.0	3,148.6	3,211.4	3,041.1	19.2	20.0	100.19	-507.1	807.0	657.1	620.0	37.13	17.700	
3,400.0	3,241.6	3,308.4	3,129.5	20.0	20.9	100.08	-525.3	842.3	681.6	642.9	38.67	17.627	
3,500.0	3,334.5	3,405.3	3,217.9	20.7	21.7	99.97	-543.5	877.6	706.0	665.8	40.21	17.559	
3,600.0	3,427.4	3,502.3	3,306.4	21.5	22.6	99.88	-561.8	912.9	730.5	688.7	41.75	17.495	
3,700.0	3,520.3	3,599.2	3,394.8	22.3	23.5	99.79	-580.0	948.2	754.9	711.6	43.29	17.437	
3,800.0	3,613.2	3,696.2	3,483.3	23.1	24.3	99.70	-598.2	983.5	779.3	734.5	44.84	17.382	SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 10-27 - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 ft

Survey Program: 886-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-106.40	-152.6	-518.6	540.7				
100.0	100.0	94.0	94.0	0.1	0.1	-106.40	-152.7	-518.6	540.6	540.4	0.22	2,476.960	
200.0	200.0	194.1	194.1	0.3	0.2	-106.41	-152.7	-518.6	540.6	540.1	0.56	973.285	
200.6	200.6	194.7	194.7	0.3	0.2	172.60	-152.7	-518.6	540.6	540.1	0.56	968.690	
300.0	300.0	294.1	294.1	0.6	0.3	172.60	-152.9	-518.5	541.9	541.0	0.89	609.657	
400.0	399.9	394.1	394.1	0.8	0.4	172.62	-153.1	-518.4	545.8	544.5	1.23	444.984	
500.0	499.7	493.9	493.9	1.0	0.6	172.67	-153.3	-518.3	552.2	550.6	1.58	350.556	
600.0	599.3	593.6	593.6	1.3	0.7	172.74	-153.6	-518.2	561.2	559.3	1.93	290.068	
700.0	698.6	692.9	692.9	1.6	0.8	172.83	-153.9	-518.0	572.8	570.5	2.31	248.354	
800.0	797.5	792.0	792.0	1.9	0.9	172.94	-154.3	-517.9	587.0	584.3	2.69	218.062	
900.0	896.1	891.3	891.3	2.2	1.0	173.06	-154.8	-517.6	603.7	600.6	3.10	195.028	
1,000.0	994.2	1,004.5	1,004.5	2.6	1.2	173.32	-153.9	-516.2	621.7	618.1	3.57	174.328	
1,100.0	1,091.7	1,117.6	1,117.4	3.1	1.5	173.94	-148.6	-513.3	640.0	636.0	4.03	158.887	
1,200.0	1,188.6	1,224.6	1,223.8	3.6	1.7	174.90	-138.8	-509.3	658.8	654.2	4.50	146.235	
1,300.0	1,284.9	1,323.4	1,321.8	4.1	1.9	176.09	-126.0	-506.0	679.7	674.7	5.00	135.938	
1,400.0	1,380.4	1,423.0	1,419.9	4.7	2.2	177.54	-109.4	-503.2	703.1	697.6	5.54	126.983	
1,500.0	1,475.0	1,529.7	1,524.3	5.3	2.6	179.34	-87.5	-499.9	728.6	722.5	6.14	118.574	
1,600.0	1,568.9	1,621.0	1,613.0	6.0	3.0	-178.98	-65.8	-496.8	756.4	749.6	6.76	111.870	
1,645.8	1,611.5	1,661.0	1,651.7	6.4	3.2	-178.24	-55.8	-495.6	770.3	763.3	7.05	109.304	
1,700.0	1,661.9	1,707.8	1,697.0	6.8	3.4	-177.40	-44.1	-494.5	787.5	780.1	7.40	106.396	
8,900.0	7,214.6	7,304.4	7,205.2	51.0	21.5	89.24	763.0	-427.5	750.4	683.7	66.66	11.257	
9,000.0	7,215.2	7,306.1	7,206.9	53.0	21.5	89.43	763.0	-427.5	679.1	610.5	68.60	9.899	
9,100.0	7,215.8	7,307.8	7,208.6	55.0	21.6	89.62	763.0	-427.5	615.8	545.2	70.61	8.721	
9,200.0	7,216.3	7,309.5	7,210.3	57.1	21.6	89.82	763.0	-427.5	563.3	490.6	72.69	7.749	
9,300.0	7,216.9	7,311.1	7,211.9	59.2	21.6	90.01	763.0	-427.6	524.7	449.9	74.82	7.013	
9,400.0	7,217.5	7,312.8	7,213.6	61.4	21.6	90.20	763.0	-427.6	503.4	426.4	77.02	6.536	
9,459.7	7,217.9	7,313.8	7,214.6	62.8	21.6	90.32	763.0	-427.6	499.8	421.5	78.35	6.379	CC, ES
9,500.0	7,218.1	7,314.5	7,215.3	63.7	21.6	90.39	763.0	-427.6	501.5	422.2	79.25	6.327	SF
9,600.0	7,218.7	7,316.2	7,216.9	65.9	21.6	90.58	762.9	-427.6	519.1	437.6	81.53	6.367	
9,700.0	7,219.2	7,317.8	7,218.6	68.3	21.6	90.77	762.9	-427.6	554.6	470.7	83.85	6.614	
9,800.0	7,219.8	7,319.5	7,220.3	70.6	21.6	90.96	762.9	-427.7	604.6	518.4	86.20	7.014	
9,900.0	7,220.4	7,321.1	7,221.9	73.0	21.6	91.15	762.9	-427.7	666.0	577.5	88.58	7.519	
10,000.0	7,221.0	7,322.8	7,223.6	75.5	21.6	91.34	762.9	-427.7	736.0	645.0	90.99	8.088	

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

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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

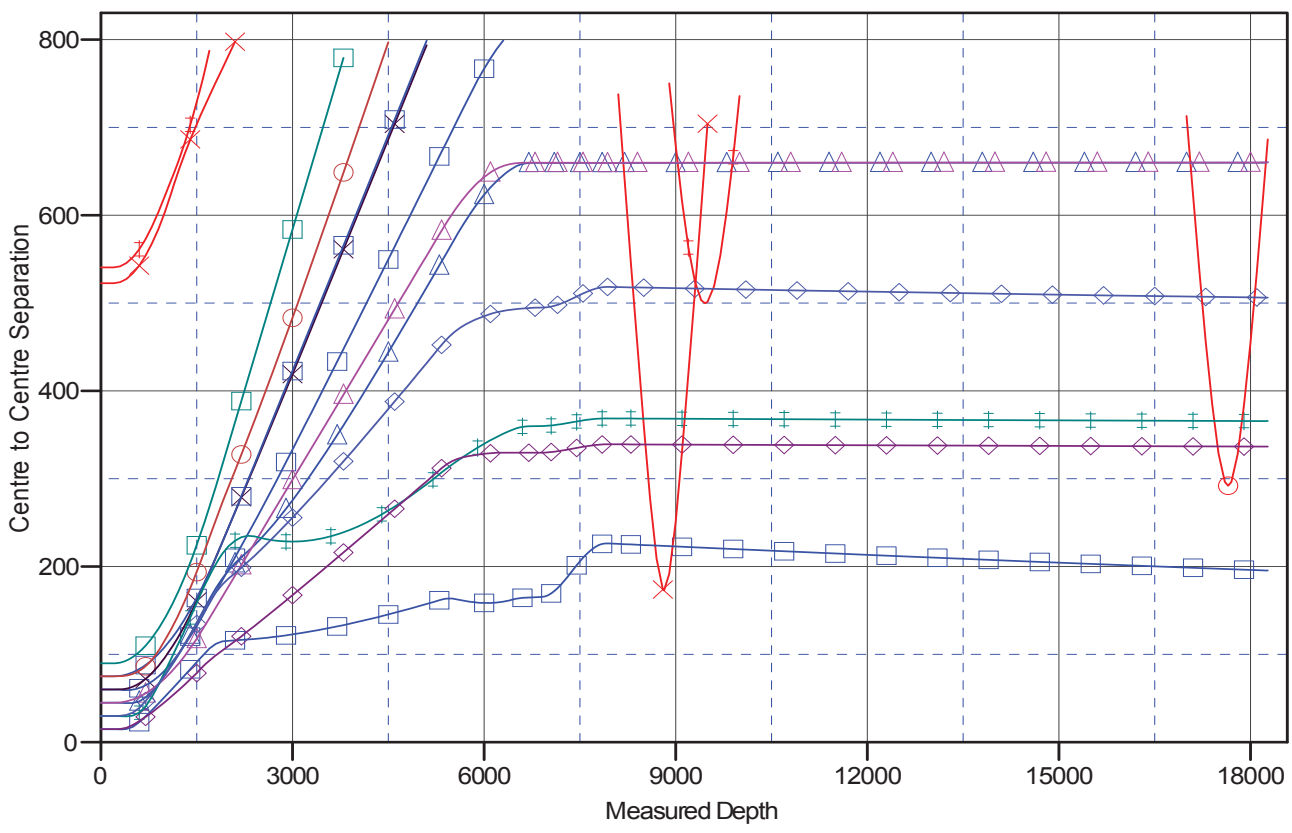
Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-108.07	-162.1	-497.0	522.8				
100.0	100.0	94.2	94.2	0.1	0.1	-108.07	-162.1	-496.9	522.7	522.5	0.22	2,392.514	
200.0	200.0	194.4	194.4	0.3	0.2	-108.08	-162.2	-496.8	522.6	522.1	0.56	940.193	
203.1	203.1	197.6	197.6	0.3	0.2	170.93	-162.2	-496.8	522.6	522.1	0.57	922.070	
300.0	300.0	294.6	294.6	0.6	0.3	170.93	-162.3	-496.7	523.8	523.0	0.89	589.166	
400.0	399.9	394.8	394.8	0.8	0.4	170.96	-162.5	-496.5	527.6	526.4	1.23	430.615	
500.0	499.7	494.8	494.8	1.0	0.6	171.03	-162.7	-496.2	533.9	532.3	1.57	339.969	
600.0	599.3	594.6	594.6	1.3	0.7	171.12	-163.0	-495.9	542.7	540.7	1.92	282.117	
700.0	698.6	694.2	694.2	1.6	0.8	171.24	-163.3	-495.5	554.0	551.7	2.29	242.389	
800.0	797.5	793.4	793.4	1.9	0.9	171.38	-163.7	-495.1	567.9	565.2	2.66	213.676	
900.0	896.1	892.3	892.3	2.2	1.0	171.53	-164.1	-494.6	584.3	581.3	3.05	191.815	
1,000.0	994.2	990.5	990.5	2.6	1.2	171.70	-164.7	-494.0	603.2	599.7	3.52	171.511	
1,100.0	1,091.7	1,091.1	1,091.1	3.1	1.5	171.87	-165.4	-493.3	624.7	620.7	4.00	156.279	
1,200.0	1,188.6	1,208.7	1,208.6	3.6	1.7	172.06	-166.1	-490.2	646.8	642.3	4.50	143.742	
1,300.0	1,284.9	1,339.2	1,338.8	4.1	2.0	172.29	-165.3	-481.8	667.6	662.6	5.02	132.930	
1,400.0	1,380.4	1,461.5	1,460.4	4.7	2.3	172.66	-161.7	-469.1	686.5	681.0	5.54	124.024	
1,500.0	1,475.0	1,591.0	1,588.5	5.3	2.6	173.15	-155.4	-451.1	704.1	698.0	6.08	115.730	
1,600.0	1,568.9	1,716.1	1,711.3	6.0	3.1	173.69	-147.1	-428.9	720.1	713.5	6.64	108.450	
1,645.8	1,611.5	1,767.1	1,761.2	6.4	3.2	173.94	-143.1	-418.8	727.3	720.4	6.89	105.561	
1,700.0	1,661.9	1,825.3	1,818.0	6.8	3.5	174.22	-138.6	-406.9	735.8	728.6	7.19	102.272	
1,800.0	1,754.8	1,922.1	1,912.4	7.5	3.8	174.68	-131.0	-387.0	751.4	743.7	7.73	97.184	
1,900.0	1,847.7	2,025.6	2,013.2	8.3	4.2	175.13	-123.1	-365.4	766.6	758.3	8.29	92.424	
2,000.0	1,940.7	2,119.6	2,105.0	9.0	4.6	175.49	-116.3	-345.7	782.1	773.3	8.84	88.464	
2,100.0	2,033.6	2,218.7	2,201.6	9.8	5.0	175.85	-109.3	-325.1	797.8	788.4	9.40	84.827	
8,100.0	7,210.0	7,279.9	7,198.3	39.6	19.8	-86.75	97.3	222.2	737.8	679.2	58.63	12.584	
8,200.0	7,210.5	7,281.0	7,199.4	40.5	19.8	-87.12	97.3	222.2	641.0	581.4	59.61	10.754	
8,300.0	7,211.1	7,282.1	7,200.5	41.6	19.8	-87.48	97.3	222.2	545.4	484.7	60.75	8.978	
8,400.0	7,211.7	7,283.2	7,201.6	42.9	19.8	-87.84	97.3	222.2	451.7	389.7	62.05	7.280	
8,500.0	7,212.3	7,284.3	7,202.7	44.3	19.8	-88.21	97.3	222.2	361.4	297.9	63.49	5.692	
8,600.0	7,212.9	7,285.4	7,203.8	45.8	19.8	-88.57	97.2	222.1	277.7	212.7	65.05	4.270	
8,700.0	7,213.4	7,286.5	7,204.9	47.4	19.8	-88.94	97.2	222.1	209.0	142.3	66.73	3.132	
8,800.0	7,214.0	7,287.6	7,206.0	49.2	19.8	-89.31	97.2	222.1	173.9	105.3	68.51	2.538	
8,817.3	7,214.1	7,287.8	7,206.2	49.5	19.8	-89.37	97.2	222.1	173.0	104.2	68.84	2.513	CC, ES, SF
8,900.0	7,214.6	7,288.7	7,207.1	51.0	19.8	-89.67	97.2	222.1	191.7	121.4	70.38	2.724	
9,000.0	7,215.2	7,289.8	7,208.2	53.0	19.8	-90.04	97.2	222.1	251.6	179.3	72.34	3.478	
9,100.0	7,215.8	7,290.9	7,209.3	55.0	19.8	-90.41	97.2	222.1	331.4	257.0	74.37	4.456	
9,200.0	7,216.3	7,292.0	7,210.5	57.1	19.8	-90.77	97.2	222.1	420.0	343.5	76.46	5.493	
9,300.0	7,216.9	7,293.2	7,211.6	59.2	19.8	-91.14	97.2	222.1	512.7	434.1	78.61	6.523	
9,400.0	7,217.5	7,294.3	7,212.7	61.4	19.8	-91.51	97.1	222.1	607.8	527.0	80.81	7.522	
9,500.0	7,218.1	7,295.4	7,213.8	63.7	19.8	-91.88	97.1	222.1	704.2	621.2	83.05	8.480	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 R-27-28HN
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.48°



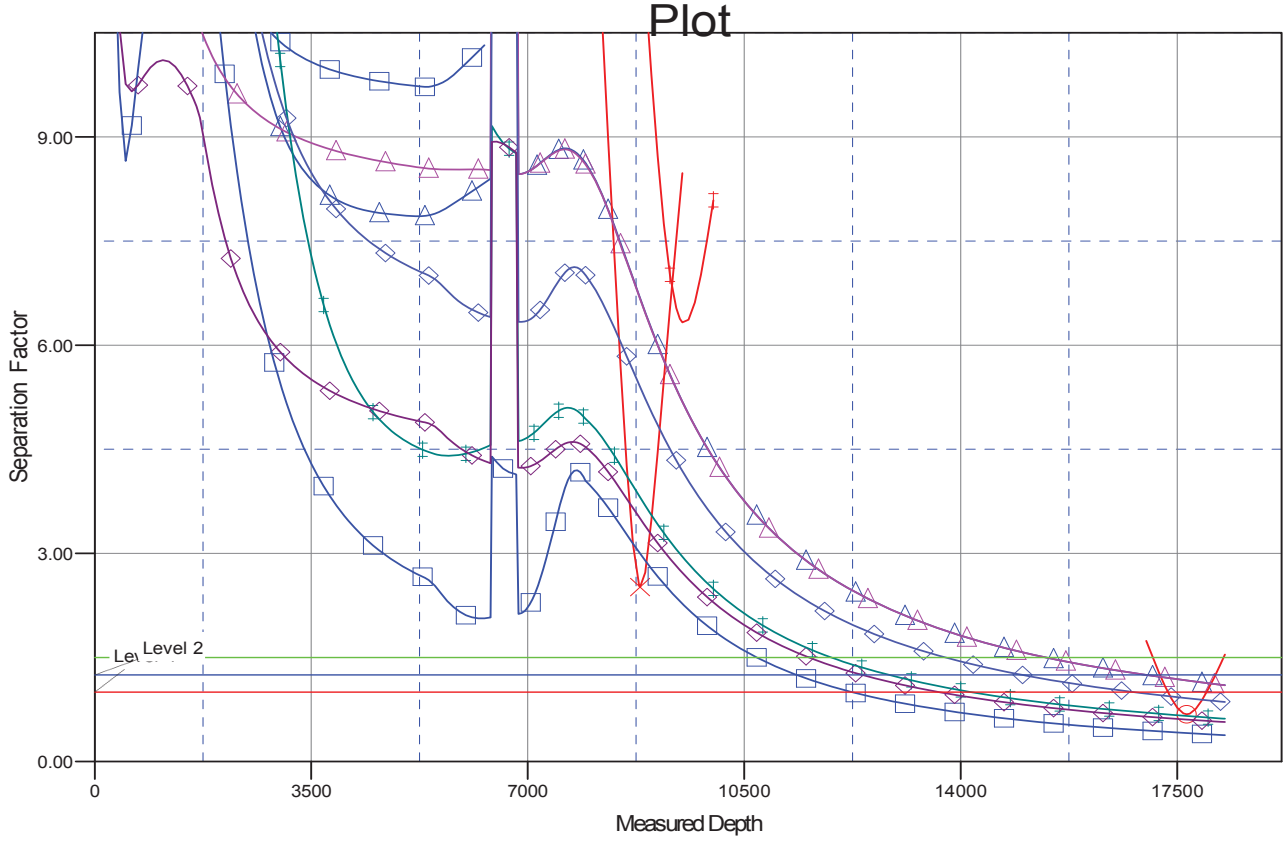
LEGEND

o.1 (P&A), Wellbore #1, Wellbore #1 V0
S 20-27, Wellbore #1, Wellbore #1 V0
S 10-27, Wellbore #1, Wellbore #1 V0
sO-27-28HN, Wellbore #1, Plan #1 (8-02-17) V0
sN-27-28HC, Wellbore #1, Plan #1 (8-02-17) V0
G & D Hanks V-27-28HN, Wellbore #1, Plan #1 (8-02-17) V0
G & D Hanks Q-27-28HC, 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 M-27-28HN, 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 X-27-28HN, Wellbore #1, Plar
G & D Hanks W-27-28HC, Wellbore #1, Pla
G & D Hanks T-27-28HC, Wellbore #1, Plar
G & D Hanks S-27-28HN, Wellbore #1, Plar

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well G & D Hanks R-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 R-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 R-27-28HN
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.48°



LEGEND

o.1 (P&A), Wellbore #1, Wellbore #1 V0
S 20-27, Wellbore #1, Wellbore #1 V0
S 10-27, Wellbore #1, Wellbore #1 V0
sO-27-28HN, Wellbore #1, Plan #1 (8-02-17) V0
sN-27-28HC, Wellbore #1, Plan #1 (8-02-17) V0
G & D Hanks V-27-28HN, Wellbore #1, Plan #1 (8-02-17) V0
G & D Hanks Q-27-28HC, 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 M-27-28HN, 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 X-27-28HN, Wellbore #1, Plar
G & D Hanks W-27-28HC, Wellbore #1, Pla
G & D Hanks T-27-28HC, Wellbore #1, Plar
G & D Hanks S-27-28HN, Wellbore #1, Plar