Bayswater Exploration & Production, LLC

Well Name: **Arellano T-10-9HN**

Surface Location: Arellano 10-L Pad Sec.10-T5N-R65W

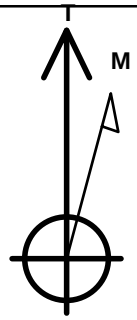
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone

Ground Elevation: 4616.0

+N/-S	+E/-W	Northing	Easting	Latittude	Longitude	Slot
0.0	0.0	1393614.87	3239135.70	40.410696	-104.641227	
		RKB -22.5'	WELL @ 4638.5ft (RKB -22.5')			

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
SHL 1495'FSL & 335'FEL, Sec.10	1.0	0.0	0.0	Point
BHL 170'FSL & 2170'FEL, Sec.9	6780.0	-1367.2	-7089.4	Point



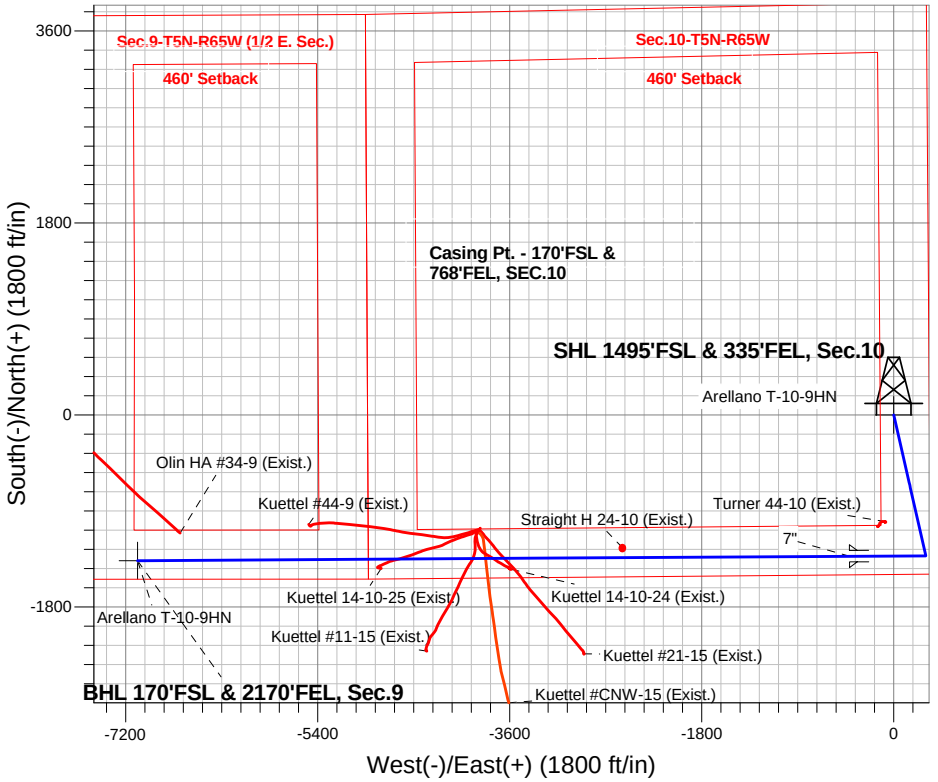
Azimuths to True North
Magnetic North: 8.29°

Magnetic Field
Strength: 52755.6snT
Dip Angle: 66.95°
Date: 3/18/2015
Model: IGRF2010

Arellano 10-L Pad Sec.10-T5N-R65W
Arellano T-10-9HN
Plan #2 (3-19-15)
8:09, March 19 2015

ANNOTATIONS

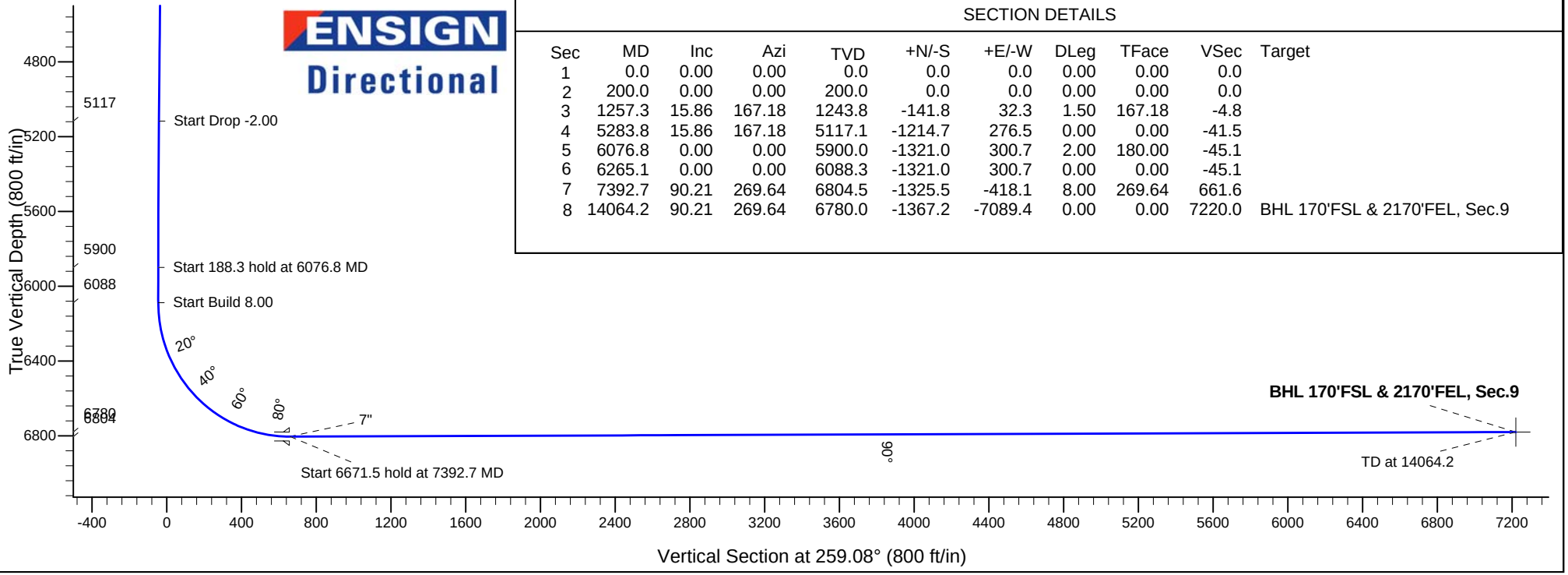
TVD	MD	Annotation
200.0	200.0	KOP - Start Build 1.50
5117.1	5283.8	Start Drop -2.00
5900.0	6076.8	Start 188.3 hold at 6076.8 MD
6088.3	6265.1	Start Build 8.00
6804.5	7392.7	Start 6671.5 hold at 7392.7 MD
6780.0	14064.2	TD at 14064.2



ENSIGN Directional

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.0	
3	1257.3	15.86	167.18	1243.8	-141.8	32.3	1.50	167.18	-4.8	
4	5283.8	15.86	167.18	5117.1	-1214.7	276.5	0.00	0.00	-41.5	
5	6076.8	0.00	0.00	5900.0	-1321.0	300.7	2.00	180.00	-45.1	
6	6265.1	0.00	0.00	6088.3	-1321.0	300.7	0.00	0.00	-45.1	
7	7392.7	90.21	269.64	6804.5	-1325.5	-418.1	8.00	269.64	661.6	
8	14064.2	90.21	269.64	6780.0	-1367.2	-7089.4	0.00	0.00	7220.0	BHL 170'FSL & 2170'FEL, Sec.9



ENSIGN Directional

Bayswater Exploration & Production, LLC

SEC.10-T5N-R65W
Arellano 10-L Pad Sec.10-T5N-R65W
Arellano T-10-9HN

Wellbore #1

Plan: Plan #2 (3-19-15)

Standard Planning Report

19 March, 2015

BAYSWATER EXPLORATION & PRODUCTION, LLC

Database:	Landmark	**Local Co-ordinate Reference:**	Well Arellano T-10-9HN
Company:	Bayswater Exploration & Production, LLC	**TVD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Project:	SEC.10-T5N-R65W	**MD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Site:	Arellano 10-L Pad Sec.10-T5N-R65W	**North Reference:**	True
Well:	Arellano T-10-9HN	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (3-19-15)		

Project SEC.10-T5N-R65W, Weld County, CO

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		Using Well Reference Point
Map Zone:	Colorado Northern Zone		

Site Arellano 10-L Pad Sec.10-T5N-R65W

Site Position:		**Northing:**	1,393,742.11 ft	**Latitude:**	40.411044
From:	Lat/Long	**Easting:**	3,239,181.53 ft	**Longitude:**	-104.641058
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	0.55 °

Well Arellano T-10-9HN

Well Position	**+N/-S**	-126.8 ft	**Northing:**	1,393,614.87 ft	**Latitude:**	40.410696
	+E/-W	-47.1 ft	**Easting:**	3,239,135.70 ft	**Longitude:**	-104.641227
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	ft	**Ground Level:**	4,616.0 ft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	3/18/2015	8.29	66.95	52,756

Design Plan #2 (3-19-15)

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	259.08

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,257.3	15.86	167.18	1,243.8	-141.8	32.3	1.50	1.50	0.00	167.18	
5,283.8	15.86	167.18	5,117.1	-1,214.7	276.5	0.00	0.00	0.00	0.00	
6,076.8	0.00	0.00	5,900.0	-1,321.0	300.7	2.00	-2.00	0.00	180.00	
6,265.1	0.00	0.00	6,088.3	-1,321.0	300.7	0.00	0.00	0.00	0.00	
7,392.7	90.21	269.64	6,804.5	-1,325.5	-418.1	8.00	8.00	0.00	269.64	
14,064.2	90.21	269.64	6,780.0	-1,367.2	-7,089.4	0.00	0.00	0.00	0.00	BHL 170'FSL & 217

Database:	Landmark	**Local Co-ordinate Reference:**	Well Arellano T-10-9HN
Company:	Bayswater Exploration & Production, LLC	**TVD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Project:	SEC.10-T5N-R65W	**MD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Site:	Arellano 10-L Pad Sec.10-T5N-R65W	**North Reference:**	True
Well:	Arellano T-10-9HN	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (3-19-15)		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
1.0	0.00	0.00	1.0	0.0	0.0	0.0	0.00	0.00	0.00
SHL 1495'FSL & 335'FEL, Sec.10									
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	167.18	300.0	-1.3	0.3	0.0	1.50	1.50	0.00
400.0	3.00	167.18	399.9	-5.1	1.2	-0.2	1.50	1.50	0.00
500.0	4.50	167.18	499.7	-11.5	2.6	-0.4	1.50	1.50	0.00
600.0	6.00	167.18	599.3	-20.4	4.6	-0.7	1.50	1.50	0.00
700.0	7.50	167.18	698.6	-31.9	7.3	-1.1	1.50	1.50	0.00
800.0	9.00	167.18	797.5	-45.9	10.4	-1.6	1.50	1.50	0.00
900.0	10.50	167.18	896.1	-62.4	14.2	-2.1	1.50	1.50	0.00
1,000.0	12.00	167.18	994.2	-81.4	18.5	-2.8	1.50	1.50	0.00
1,100.0	13.50	167.18	1,091.7	-102.9	23.4	-3.5	1.50	1.50	0.00
1,200.0	15.00	167.18	1,188.6	-126.9	28.9	-4.3	1.50	1.50	0.00
1,257.3	15.86	167.18	1,243.8	-141.8	32.3	-4.8	1.50	1.50	0.00
1,300.0	15.86	167.18	1,284.9	-153.1	34.9	-5.2	0.00	0.00	0.00
1,400.0	15.86	167.18	1,381.1	-179.8	40.9	-6.1	0.00	0.00	0.00
1,500.0	15.86	167.18	1,477.3	-206.4	47.0	-7.0	0.00	0.00	0.00
1,600.0	15.86	167.18	1,573.5	-233.1	53.1	-8.0	0.00	0.00	0.00
1,700.0	15.86	167.18	1,669.7	-259.7	59.1	-8.9	0.00	0.00	0.00
1,800.0	15.86	167.18	1,765.9	-286.4	65.2	-9.8	0.00	0.00	0.00
1,900.0	15.86	167.18	1,862.1	-313.0	71.3	-10.7	0.00	0.00	0.00
2,000.0	15.86	167.18	1,958.3	-339.7	77.3	-11.6	0.00	0.00	0.00
2,100.0	15.86	167.18	2,054.5	-366.3	83.4	-12.5	0.00	0.00	0.00
2,200.0	15.86	167.18	2,150.7	-393.0	89.5	-13.4	0.00	0.00	0.00
2,300.0	15.86	167.18	2,246.9	-419.6	95.5	-14.3	0.00	0.00	0.00
2,400.0	15.86	167.18	2,343.1	-446.3	101.6	-15.2	0.00	0.00	0.00
2,500.0	15.86	167.18	2,439.2	-472.9	107.6	-16.1	0.00	0.00	0.00
2,600.0	15.86	167.18	2,535.4	-499.5	113.7	-17.1	0.00	0.00	0.00
2,700.0	15.86	167.18	2,631.6	-526.2	119.8	-18.0	0.00	0.00	0.00
2,800.0	15.86	167.18	2,727.8	-552.8	125.8	-18.9	0.00	0.00	0.00
2,900.0	15.86	167.18	2,824.0	-579.5	131.9	-19.8	0.00	0.00	0.00
3,000.0	15.86	167.18	2,920.2	-606.1	138.0	-20.7	0.00	0.00	0.00
3,100.0	15.86	167.18	3,016.4	-632.8	144.0	-21.6	0.00	0.00	0.00
3,200.0	15.86	167.18	3,112.6	-659.4	150.1	-22.5	0.00	0.00	0.00
3,300.0	15.86	167.18	3,208.8	-686.1	156.2	-23.4	0.00	0.00	0.00
3,400.0	15.86	167.18	3,305.0	-712.7	162.2	-24.3	0.00	0.00	0.00
3,500.0	15.86	167.18	3,401.2	-739.4	168.3	-25.2	0.00	0.00	0.00
3,600.0	15.86	167.18	3,497.4	-766.0	174.4	-26.2	0.00	0.00	0.00
3,700.0	15.86	167.18	3,593.6	-792.6	180.4	-27.1	0.00	0.00	0.00
3,800.0	15.86	167.18	3,689.8	-819.3	186.5	-28.0	0.00	0.00	0.00
3,900.0	15.86	167.18	3,786.0	-845.9	192.6	-28.9	0.00	0.00	0.00
4,000.0	15.86	167.18	3,882.2	-872.6	198.6	-29.8	0.00	0.00	0.00
4,100.0	15.86	167.18	3,978.3	-899.2	204.7	-30.7	0.00	0.00	0.00
4,200.0	15.86	167.18	4,074.5	-925.9	210.8	-31.6	0.00	0.00	0.00
4,300.0	15.86	167.18	4,170.7	-952.5	216.8	-32.5	0.00	0.00	0.00
4,400.0	15.86	167.18	4,266.9	-979.2	222.9	-33.4	0.00	0.00	0.00
4,500.0	15.86	167.18	4,363.1	-1,005.8	229.0	-34.3	0.00	0.00	0.00
4,600.0	15.86	167.18	4,459.3	-1,032.5	235.0	-35.3	0.00	0.00	0.00
4,700.0	15.86	167.18	4,555.5	-1,059.1	241.1	-36.2	0.00	0.00	0.00
4,800.0	15.86	167.18	4,651.7	-1,085.8	247.2	-37.1	0.00	0.00	0.00
4,900.0	15.86	167.18	4,747.9	-1,112.4	253.2	-38.0	0.00	0.00	0.00

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Company:	Bayswater Exploration & Production, LLC	**TVD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Project:	SEC.10-T5N-R65W	**MD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Site:	Arellano 10-L Pad Sec.10-T5N-R65W	**North Reference:**	True
Well:	Arellano T-10-9HN	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (3-19-15)		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,000.0	15.86	167.18	4,844.1	-1,139.0	259.3	-38.9	0.00	0.00	0.00
5,100.0	15.86	167.18	4,940.3	-1,165.7	265.3	-39.8	0.00	0.00	0.00
5,200.0	15.86	167.18	5,036.5	-1,192.3	271.4	-40.7	0.00	0.00	0.00
5,283.8	15.86	167.18	5,117.1	-1,214.7	276.5	-41.5	0.00	0.00	0.00
Start Drop -2.00									
5,300.0	15.54	167.18	5,132.7	-1,218.9	277.5	-41.6	1.99	-1.99	0.00
5,400.0	13.54	167.18	5,229.5	-1,243.4	283.0	-42.5	2.00	-2.00	0.00
5,500.0	11.54	167.18	5,327.1	-1,264.6	287.9	-43.2	2.00	-2.00	0.00
5,600.0	9.54	167.18	5,425.4	-1,282.4	291.9	-43.8	2.00	-2.00	0.00
5,700.0	7.54	167.18	5,524.3	-1,296.9	295.2	-44.3	2.00	-2.00	0.00
5,800.0	5.54	167.18	5,623.6	-1,308.0	297.7	-44.7	2.00	-2.00	0.00
5,900.0	3.54	167.18	5,723.3	-1,315.7	299.5	-44.9	2.00	-2.00	0.00
6,000.0	1.54	167.18	5,823.2	-1,320.0	300.5	-45.1	2.00	-2.00	0.00
6,076.8	0.00	0.00	5,900.0	-1,321.0	300.7	-45.1	2.00	-2.00	-217.68
Start 188.3 hold at 6076.8 MD									
6,100.0	0.00	0.00	5,923.2	-1,321.0	300.7	-45.1	0.00	0.00	0.00
6,200.0	0.00	0.00	6,023.2	-1,321.0	300.7	-45.1	0.00	0.00	0.00
6,265.1	0.00	0.00	6,088.3	-1,321.0	300.7	-45.1	0.00	0.00	0.00
Start Build 8.00									
6,300.0	2.80	269.64	6,123.2	-1,321.0	299.8	-44.3	8.01	8.01	0.00
6,400.0	10.80	269.64	6,222.4	-1,321.1	288.0	-32.6	8.00	8.00	0.00
6,500.0	18.80	269.64	6,319.0	-1,321.2	262.5	-7.6	8.00	8.00	0.00
6,600.0	26.80	269.64	6,411.1	-1,321.5	223.8	30.5	8.00	8.00	0.00
6,700.0	34.80	269.64	6,497.0	-1,321.8	172.6	80.8	8.00	8.00	0.00
6,800.0	42.80	269.64	6,574.8	-1,322.2	110.0	142.3	8.00	8.00	0.00
6,900.0	50.80	269.64	6,643.2	-1,322.6	37.2	213.9	8.00	8.00	0.00
7,000.0	58.80	269.64	6,700.8	-1,323.2	-44.4	294.2	8.00	8.00	0.00
7,100.0	66.80	269.64	6,746.5	-1,323.7	-133.3	381.5	8.00	8.00	0.00
7,200.0	74.80	269.64	6,779.4	-1,324.3	-227.6	474.3	8.00	8.00	0.00
7,300.0	82.80	269.64	6,798.8	-1,324.9	-325.7	570.7	8.00	8.00	0.00
7,388.0	89.84	269.64	6,804.5	-1,325.5	-413.4	656.9	8.00	8.00	0.00
7"									
7,392.7	90.21	269.64	6,804.5	-1,325.5	-418.1	661.6	7.98	7.98	0.00
Start 6671.5 hold at 7392.7 MD									
7,400.0	90.21	269.64	6,804.4	-1,325.5	-425.4	668.7	0.00	0.00	0.00
7,500.0	90.21	269.64	6,804.1	-1,326.2	-525.4	767.0	0.00	0.00	0.00
7,600.0	90.21	269.64	6,803.7	-1,326.8	-625.4	865.4	0.00	0.00	0.00
7,700.0	90.21	269.64	6,803.3	-1,327.4	-725.4	963.7	0.00	0.00	0.00
7,800.0	90.21	269.64	6,803.0	-1,328.0	-825.4	1,062.0	0.00	0.00	0.00
7,900.0	90.21	269.64	6,802.6	-1,328.7	-925.4	1,160.3	0.00	0.00	0.00
8,000.0	90.21	269.64	6,802.2	-1,329.3	-1,025.4	1,258.6	0.00	0.00	0.00
8,100.0	90.21	269.64	6,801.9	-1,329.9	-1,125.4	1,356.9	0.00	0.00	0.00
8,200.0	90.21	269.64	6,801.5	-1,330.5	-1,225.4	1,455.2	0.00	0.00	0.00
8,300.0	90.21	269.64	6,801.1	-1,331.2	-1,325.4	1,553.5	0.00	0.00	0.00
8,400.0	90.21	269.64	6,800.8	-1,331.8	-1,425.4	1,651.8	0.00	0.00	0.00
8,500.0	90.21	269.64	6,800.4	-1,332.4	-1,525.4	1,750.1	0.00	0.00	0.00
8,600.0	90.21	269.64	6,800.0	-1,333.1	-1,625.4	1,848.4	0.00	0.00	0.00
8,700.0	90.21	269.64	6,799.7	-1,333.7	-1,725.4	1,946.7	0.00	0.00	0.00
8,800.0	90.21	269.64	6,799.3	-1,334.3	-1,825.4	2,045.0	0.00	0.00	0.00
8,900.0	90.21	269.64	6,798.9	-1,334.9	-1,925.4	2,143.3	0.00	0.00	0.00
9,000.0	90.21	269.64	6,798.6	-1,335.6	-2,025.4	2,241.6	0.00	0.00	0.00
9,100.0	90.21	269.64	6,798.2	-1,336.2	-2,125.4	2,340.0	0.00	0.00	0.00
9,200.0	90.21	269.64	6,797.8	-1,336.8	-2,225.4	2,438.3	0.00	0.00	0.00

Database:	Landmark	**Local Co-ordinate Reference:**	Well Arellano T-10-9HN
Company:	Bayswater Exploration & Production, LLC	**TVD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Project:	SEC.10-T5N-R65W	**MD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Site:	Arellano 10-L Pad Sec.10-T5N-R65W	**North Reference:**	True
Well:	Arellano T-10-9HN	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (3-19-15)		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,300.0	90.21	269.64	6,797.5	-1,337.4	-2,325.4	2,536.6	0.00	0.00	0.00
9,400.0	90.21	269.64	6,797.1	-1,338.1	-2,425.4	2,634.9	0.00	0.00	0.00
9,500.0	90.21	269.64	6,796.7	-1,338.7	-2,525.4	2,733.2	0.00	0.00	0.00
9,600.0	90.21	269.64	6,796.4	-1,339.3	-2,625.4	2,831.5	0.00	0.00	0.00
9,700.0	90.21	269.64	6,796.0	-1,339.9	-2,725.4	2,929.8	0.00	0.00	0.00
9,800.0	90.21	269.64	6,795.6	-1,340.6	-2,825.4	3,028.1	0.00	0.00	0.00
9,900.0	90.21	269.64	6,795.3	-1,341.2	-2,925.4	3,126.4	0.00	0.00	0.00
10,000.0	90.21	269.64	6,794.9	-1,341.8	-3,025.4	3,224.7	0.00	0.00	0.00
10,100.0	90.21	269.64	6,794.5	-1,342.4	-3,125.4	3,323.0	0.00	0.00	0.00
10,200.0	90.21	269.64	6,794.2	-1,343.1	-3,225.3	3,421.3	0.00	0.00	0.00
10,300.0	90.21	269.64	6,793.8	-1,343.7	-3,325.3	3,519.6	0.00	0.00	0.00
10,400.0	90.21	269.64	6,793.4	-1,344.3	-3,425.3	3,617.9	0.00	0.00	0.00
10,500.0	90.21	269.64	6,793.1	-1,344.9	-3,525.3	3,716.2	0.00	0.00	0.00
10,600.0	90.21	269.64	6,792.7	-1,345.6	-3,625.3	3,814.5	0.00	0.00	0.00
10,700.0	90.21	269.64	6,792.3	-1,346.2	-3,725.3	3,912.9	0.00	0.00	0.00
10,800.0	90.21	269.64	6,792.0	-1,346.8	-3,825.3	4,011.2	0.00	0.00	0.00
10,900.0	90.21	269.64	6,791.6	-1,347.4	-3,925.3	4,109.5	0.00	0.00	0.00
11,000.0	90.21	269.64	6,791.2	-1,348.1	-4,025.3	4,207.8	0.00	0.00	0.00
11,100.0	90.21	269.64	6,790.9	-1,348.7	-4,125.3	4,306.1	0.00	0.00	0.00
11,200.0	90.21	269.64	6,790.5	-1,349.3	-4,225.3	4,404.4	0.00	0.00	0.00
11,300.0	90.21	269.64	6,790.1	-1,349.9	-4,325.3	4,502.7	0.00	0.00	0.00
11,400.0	90.21	269.64	6,789.8	-1,350.6	-4,425.3	4,601.0	0.00	0.00	0.00
11,500.0	90.21	269.64	6,789.4	-1,351.2	-4,525.3	4,699.3	0.00	0.00	0.00
11,600.0	90.21	269.64	6,789.0	-1,351.8	-4,625.3	4,797.6	0.00	0.00	0.00
11,700.0	90.21	269.64	6,788.7	-1,352.4	-4,725.3	4,895.9	0.00	0.00	0.00
11,800.0	90.21	269.64	6,788.3	-1,353.1	-4,825.3	4,994.2	0.00	0.00	0.00
11,900.0	90.21	269.64	6,787.9	-1,353.7	-4,925.3	5,092.5	0.00	0.00	0.00
12,000.0	90.21	269.64	6,787.6	-1,354.3	-5,025.3	5,190.8	0.00	0.00	0.00
12,100.0	90.21	269.64	6,787.2	-1,355.0	-5,125.3	5,289.1	0.00	0.00	0.00
12,200.0	90.21	269.64	6,786.8	-1,355.6	-5,225.3	5,387.5	0.00	0.00	0.00
12,300.0	90.21	269.64	6,786.5	-1,356.2	-5,325.3	5,485.8	0.00	0.00	0.00
12,400.0	90.21	269.64	6,786.1	-1,356.8	-5,425.3	5,584.1	0.00	0.00	0.00
12,500.0	90.21	269.64	6,785.7	-1,357.5	-5,525.3	5,682.4	0.00	0.00	0.00
12,600.0	90.21	269.64	6,785.4	-1,358.1	-5,625.3	5,780.7	0.00	0.00	0.00
12,700.0	90.21	269.64	6,785.0	-1,358.7	-5,725.3	5,879.0	0.00	0.00	0.00
12,800.0	90.21	269.64	6,784.6	-1,359.3	-5,825.3	5,977.3	0.00	0.00	0.00
12,900.0	90.21	269.64	6,784.3	-1,360.0	-5,925.3	6,075.6	0.00	0.00	0.00
13,000.0	90.21	269.64	6,783.9	-1,360.6	-6,025.3	6,173.9	0.00	0.00	0.00
13,100.0	90.21	269.64	6,783.5	-1,361.2	-6,125.3	6,272.2	0.00	0.00	0.00
13,200.0	90.21	269.64	6,783.2	-1,361.8	-6,225.3	6,370.5	0.00	0.00	0.00
13,300.0	90.21	269.64	6,782.8	-1,362.5	-6,325.3	6,468.8	0.00	0.00	0.00
13,400.0	90.21	269.64	6,782.4	-1,363.1	-6,425.3	6,567.1	0.00	0.00	0.00
13,500.0	90.21	269.64	6,782.1	-1,363.7	-6,525.3	6,665.4	0.00	0.00	0.00
13,600.0	90.21	269.64	6,781.7	-1,364.3	-6,625.3	6,763.7	0.00	0.00	0.00
13,700.0	90.21	269.64	6,781.3	-1,365.0	-6,725.3	6,862.1	0.00	0.00	0.00
13,800.0	90.21	269.64	6,781.0	-1,365.6	-6,825.3	6,960.4	0.00	0.00	0.00
13,900.0	90.21	269.64	6,780.6	-1,366.2	-6,925.3	7,058.7	0.00	0.00	0.00
14,000.0	90.21	269.64	6,780.2	-1,366.8	-7,025.2	7,157.0	0.00	0.00	0.00
14,064.2	90.21	269.64	6,780.0	-1,367.2	-7,089.4	7,220.0	0.00	0.00	0.00
BHL 170'FSL & 2170'FEL, Sec.9									

Database:	Landmark	**Local Co-ordinate Reference:**	Well Arellano T-10-9HN
Company:	Bayswater Exploration & Production, LLC	**TVD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Project:	SEC.10-T5N-R65W	**MD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Site:	Arellano 10-L Pad Sec.10-T5N-R65W	**North Reference:**	True
Well:	Arellano T-10-9HN	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2 (3-19-15)		

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
SHL 1495'FSL & 335'I - plan hits target center - Point	0.00	0.00	1.0	0.0	0.0	1,393,614.88	3,239,135.70	40.410696	-104.641227
BHL 170'FSL & 2170'I - plan hits target center - Point	0.00	0.00	6,780.0	-1,367.2	-7,089.4	1,392,179.04	3,232,059.89	40.406940	-104.666684

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
7,388.0	6,804.5	7"	7	7-1/2

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
5,283.8	5,117.1	-141.8	32.3	Start Drop -2.00
6,076.8	5,900.0	-1,214.7	276.5	Start 188.3 hold at 6076.8 MD
6,265.1	6,088.3	-1,321.0	300.7	Start Build 8.00
7,392.7	6,804.5	-1,321.0	300.7	Start 6671.5 hold at 7392.7 MD
14,064.2	6,780.0	-1,325.5	-418.1	TD at 14064.2

ENSIGN Directional

Bayswater Exploration & Production, LLC

SEC.10-T5N-R65W
Arellano 10-L Pad Sec.10-T5N-R65W
Arellano T-10-9HN

Wellbore #1
Plan #2 (3-19-15)

Anticollision Report

19 March, 2015

BAYSWATER EXPLORATION & PRODUCTION, LLC

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Arellano T-10-9HN
Project:	SEC.10-T5N-R65W	**TVD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Reference Site:	Arellano 10-L Pad Sec.10-T5N-R65W	**MD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Arellano T-10-9HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (3-19-15)	**Offset TVD Reference:**	Offset Datum

Reference Plan #2 (3-19-15)

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 800.0ft	**Error Surface:**	Elliptical Conic

Warning Levels Evaluated at: 2.00 **Sigma**

Survey Tool Program **Date** 3/19/2015

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	14,064.2	Plan #2 (3-19-15) (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
Arellano 10-L Pad Sec.10-T5N-R65W						
Arellano R-10-9HC - Wellbore #1 - Plan #2 (3-17-15)	200.0	200.0	30.0	29.3	44.467	CC, ES
Arellano R-10-9HC - Wellbore #1 - Plan #2 (3-17-15)	14,064.2	14,111.8	522.7	136.4	1.353	Level 3, SF
Arellano S-10-9HN - Wellbore #1 - Plan #2 (3-17-15)	200.0	200.0	15.2	14.5	22.490	CC
Arellano S-10-9HN - Wellbore #1 - Plan #2 (3-17-15)	14,064.2	14,053.0	335.7	-63.5	0.841	Level 1, ES, SF
Existing Wells Sec.10-T5N-65W						
Straight H 24-10 (Exist.) - Wellbore #1 - Wellbore #1	9,517.4	6,794.2	94.5	-117.8	0.445	Level 1, CC, ES, SF
Turner 44-10 (Exist.) - Wellbore #1 - Wellbore #1	7,031.1	6,713.2	319.7	289.2	10.480	CC, ES
Turner 44-10 (Exist.) - Wellbore #1 - Wellbore #1	7,100.0	6,743.0	325.6	294.2	10.377	SF
Geist CSE-9 Pad Sec.9-T5N-R65W						
Olin HA #34-9 (Exist.) - Wellbore #1 - Wellbore #1	13,716.0	8,194.5	408.0	237.9	2.398	CC
Olin HA #34-9 (Exist.) - Wellbore #1 - Wellbore #1	13,800.0	8,151.0	414.0	232.2	2.277	ES
Olin HA #34-9 (Exist.) - Wellbore #1 - Wellbore #1	13,900.0	8,098.6	435.7	241.4	2.242	SF
Kuettel 14-10-16 Pad Sec.10-T5N-R65W						
Kuettel #11-15 (Exist.) - Wellbore #1 - Wellbore #1						Out of range
Kuettel #21-15 (Exist.) - Wellbore #1 - Wellbore #1						Out of range
Kuettel #44-9 (Exist.) - Wellbore #1 - Wellbore #1	12,443.0	7,046.9	314.7	124.4	1.654	CC, ES, SF
Kuettel #CNW-15 (Exist.) - Wellbore #1 - Wellbore #1						Out of range
Kuettel 14-10-24 (Exist.) - Wellbore #1 - Wellbore #1	10,568.1	6,852.0	101.8	-18.5	0.846	Level 1, CC, ES, SF
Kuettel 14-10-25 (Exist.) - Wellbore #1 - Wellbore #1	11,785.5	6,950.9	86.7	-74.5	0.538	Level 1, CC, ES, SF

Offset Design Arellano 10-L Pad Sec.10-T5N-R65W - Arellano R-10-9HC - Wellbore #1 - Plan #2 (3-17-15)

Survey Program: 0-MWD

Offset Site Error: 0.0 ft

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	20.67	28.1	10.6	30.0				
100.0	100.0	100.0	100.0	0.1	0.1	20.67	28.1	10.6	30.0	29.8	0.22	133.402	
200.0	200.0	200.0	200.0	0.3	0.3	20.67	28.1	10.6	30.0	29.3	0.67	44.467	CC, ES
300.0	300.0	300.0	300.0	0.5	0.6	-147.83	28.1	10.6	31.1	30.0	1.10	28.171	
400.0	399.9	399.9	399.9	0.7	0.8	-151.28	28.1	10.6	34.5	32.9	1.53	22.497	
500.0	499.7	499.7	499.7	1.0	1.0	-155.72	28.1	10.6	40.3	38.4	1.98	20.410	
600.0	599.3	599.3	599.3	1.2	1.2	-160.09	28.1	10.6	48.8	46.4	2.43	20.117	

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 Arellano T-10-9HN
Project:	SEC.10-T5N-R65W	**TVD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Reference Site:	Arellano 10-L Pad Sec.10-T5N-R65W	**MD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Arellano T-10-9HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (3-19-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Arellano 10-L Pad Sec.10-T5N-R65W - Arellano R-10-9HC - Wellbore #1 - Plan #2 (3-17-15)

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
700.0	698.6	698.6	698.6	1.5	1.5	-163.87	28.1	10.6	60.0	57.1	2.88	20.830	
800.0	797.5	797.5	797.5	1.8	1.7	-166.91	28.1	10.6	73.9	70.6	3.34	22.149	
900.0	896.1	898.3	898.3	2.2	1.9	-169.11	26.9	11.0	89.3	85.5	3.77	23.697	
1,000.0	994.2	999.5	999.5	2.6	2.1	-170.52	23.1	12.2	104.8	100.6	4.18	25.065	
1,100.0	1,091.7	1,101.2	1,100.9	3.0	2.3	-171.44	16.8	14.3	120.4	115.8	4.61	26.110	
1,200.0	1,188.6	1,203.3	1,202.6	3.5	2.5	-172.04	7.9	17.3	136.0	130.9	5.06	26.897	
1,257.3	1,243.8	1,262.0	1,260.9	3.8	2.6	-172.27	1.6	19.4	144.9	139.6	5.32	27.246	
1,300.0	1,284.9	1,305.9	1,304.4	4.1	2.7	-172.41	-3.7	21.1	151.3	145.8	5.52	27.399	
1,400.0	1,381.1	1,409.2	1,406.6	4.6	3.0	-172.53	-17.9	25.9	164.5	158.5	6.02	27.334	
1,500.0	1,477.3	1,513.1	1,509.0	5.2	3.3	-172.43	-34.9	31.5	175.1	168.6	6.53	26.803	
1,600.0	1,573.5	1,613.5	1,607.5	5.7	3.7	-172.22	-53.0	37.5	183.9	176.9	7.06	26.068	
1,700.0	1,669.7	1,713.1	1,705.3	6.3	4.0	-172.02	-70.9	43.5	192.8	185.2	7.59	25.401	
1,800.0	1,765.9	1,812.7	1,803.1	6.8	4.4	-171.85	-88.9	49.4	201.6	193.5	8.13	24.809	
1,900.0	1,862.1	1,912.3	1,900.9	7.4	4.8	-171.69	-106.8	55.4	210.4	201.8	8.67	24.266	
2,000.0	1,958.3	2,011.9	1,998.7	8.0	5.2	-171.54	-124.8	61.4	219.3	210.0	9.22	23.777	
2,100.0	2,054.5	2,111.5	2,096.5	8.5	5.5	-171.40	-142.7	67.3	228.1	218.3	9.78	23.333	
2,200.0	2,150.7	2,211.1	2,194.3	9.1	5.9	-171.28	-160.6	73.3	236.9	226.6	10.33	22.929	
2,300.0	2,246.9	2,310.7	2,292.1	9.7	6.3	-171.16	-178.6	79.2	245.8	234.9	10.89	22.560	
2,400.0	2,343.1	2,410.3	2,389.9	10.2	6.8	-171.05	-196.5	85.2	254.6	243.1	11.46	22.223	
2,500.0	2,439.2	2,509.9	2,487.7	10.8	7.2	-170.95	-214.5	91.2	263.4	251.4	12.02	21.912	
2,600.0	2,535.4	2,609.5	2,585.5	11.4	7.6	-170.85	-232.4	97.1	272.3	259.7	12.59	21.626	
2,700.0	2,631.6	2,709.1	2,683.3	12.0	8.0	-170.76	-250.4	103.1	281.1	268.0	13.16	21.362	
2,800.0	2,727.8	2,808.7	2,781.1	12.5	8.4	-170.68	-268.3	109.1	289.9	276.2	13.73	21.118	
2,900.0	2,824.0	2,908.4	2,878.9	13.1	8.8	-170.60	-286.3	115.0	298.8	284.5	14.30	20.891	
3,000.0	2,920.2	3,008.0	2,976.7	13.7	9.2	-170.52	-304.2	121.0	307.6	292.8	14.88	20.679	
3,100.0	3,016.4	3,107.6	3,074.4	14.2	9.7	-170.45	-322.1	126.9	316.5	301.0	15.45	20.482	
3,200.0	3,112.6	3,207.2	3,172.2	14.8	10.1	-170.39	-340.1	132.9	325.3	309.3	16.03	20.298	
3,300.0	3,208.8	3,306.8	3,270.0	15.4	10.5	-170.32	-358.0	138.9	334.1	317.5	16.60	20.125	
3,400.0	3,305.0	3,406.4	3,367.8	16.0	10.9	-170.26	-376.0	144.8	343.0	325.8	17.18	19.963	
3,500.0	3,401.2	3,506.0	3,465.6	16.5	11.3	-170.21	-393.9	150.8	351.8	334.1	17.76	19.811	
3,600.0	3,497.4	3,605.6	3,563.4	17.1	11.8	-170.15	-411.9	156.8	360.7	342.3	18.34	19.667	
3,700.0	3,593.6	3,705.2	3,661.2	17.7	12.2	-170.10	-429.8	162.7	369.5	350.6	18.92	19.532	
3,800.0	3,689.8	3,804.8	3,759.0	18.2	12.6	-170.05	-447.8	168.7	378.4	358.9	19.50	19.404	
3,900.0	3,786.0	3,904.4	3,856.8	18.8	13.0	-170.01	-465.7	174.6	387.2	367.1	20.08	19.283	
4,000.0	3,882.2	4,004.0	3,954.6	19.4	13.5	-169.96	-483.6	180.6	396.0	375.4	20.66	19.168	
4,100.0	3,978.3	4,103.6	4,052.4	20.0	13.9	-169.92	-501.6	186.6	404.9	383.6	21.24	19.059	
4,200.0	4,074.5	4,203.3	4,150.2	20.5	14.3	-169.88	-519.5	192.5	413.7	391.9	21.83	18.956	
4,300.0	4,170.7	4,302.9	4,248.0	21.1	14.7	-169.84	-537.5	198.5	422.6	400.2	22.41	18.858	
4,400.0	4,266.9	4,402.5	4,345.8	21.7	15.2	-169.80	-555.4	204.5	431.4	408.4	22.99	18.764	
4,500.0	4,363.1	4,502.1	4,443.6	22.2	15.6	-169.77	-573.4	210.4	440.3	416.7	23.58	18.675	
4,600.0	4,459.3	4,601.7	4,541.4	22.8	16.0	-169.73	-591.3	216.4	449.1	424.9	24.16	18.589	
4,700.0	4,555.5	4,701.3	4,639.2	23.4	16.4	-169.70	-609.3	222.3	458.0	433.2	24.74	18.508	
4,800.0	4,651.7	4,800.9	4,737.0	24.0	16.9	-169.67	-627.2	228.3	466.8	441.5	25.33	18.430	
4,900.0	4,747.9	4,900.5	4,834.8	24.5	17.3	-169.64	-645.1	234.3	475.6	449.7	25.91	18.355	
5,000.0	4,844.1	5,000.1	4,932.6	25.1	17.7	-169.61	-663.1	240.2	484.5	458.0	26.50	18.284	
5,100.0	4,940.3	5,099.7	5,030.4	25.7	18.2	-169.58	-681.0	246.2	493.3	466.2	27.08	18.215	
5,200.0	5,036.5	5,199.3	5,128.2	26.3	18.6	-169.55	-699.0	252.2	502.2	474.5	27.67	18.150	
5,283.8	5,117.1	5,282.8	5,210.2	26.7	18.9	-169.53	-714.0	257.2	509.6	481.4	28.16	18.096	
5,300.0	5,132.7	5,298.9	5,226.0	26.8	19.0	-169.53	-716.9	258.1	511.0	482.7	28.26	18.082	
5,400.0	5,229.5	5,398.7	5,323.9	27.2	19.4	-169.48	-734.9	264.1	517.6	488.7	28.83	17.950	
5,500.0	5,327.1	5,498.7	5,422.1	27.5	19.9	-169.35	-752.9	270.1	520.7	491.3	29.38	17.723	
5,600.0	5,425.4	5,598.6	5,520.2	27.8	20.3	-169.14	-770.9	276.1	520.4	490.5	29.90	17.406	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Arellano T-10-9HN
Project:	SEC.10-T5N-R65W	**TVD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Reference Site:	Arellano 10-L Pad Sec.10-T5N-R65W	**MD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Arellano T-10-9HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (3-19-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Arellano 10-L Pad Sec.10-T5N-R65W - Arellano R-10-9HC - Wellbore #1 - Plan #2 (3-17-15)

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
5,700.0	5,524.3	5,689.2	5,609.2	28.1	20.6	-168.88	-786.8	281.3	517.3	487.0	30.34	17.049	
5,800.0	5,623.6	5,774.4	5,693.4	28.3	20.9	-168.65	-799.4	285.5	513.5	482.8	30.69	16.728	
5,900.0	5,723.3	5,859.7	5,778.0	28.5	21.1	-168.42	-809.7	289.0	509.0	478.0	30.99	16.427	
6,000.0	5,823.2	5,945.1	5,863.0	28.6	21.3	-168.21	-817.6	291.6	504.0	472.8	31.22	16.142	
6,076.8	5,900.0	6,010.8	5,928.5	28.7	21.4	-0.88	-822.1	293.1	499.8	450.7	49.08	10.183	
6,100.0	5,923.2	6,030.7	5,948.4	28.7	21.4	-0.84	-823.1	293.4	498.6	449.4	49.13	10.148	
6,200.0	6,023.2	6,116.5	6,034.1	28.8	21.5	-0.72	-826.2	294.4	494.9	445.6	49.32	10.035	
6,265.1	6,088.3	6,172.3	6,089.9	28.8	21.6	-0.70	-826.9	294.7	494.1	444.7	49.45	9.993	
6,284.3	6,107.5	6,189.9	6,107.5	28.8	21.6	89.69	-826.9	294.7	494.1	462.1	32.03	15.426	
6,300.0	6,123.2	6,205.6	6,123.2	28.9	21.7	89.76	-826.9	294.7	494.1	462.0	32.09	15.397	
6,329.8	6,152.9	6,235.3	6,152.9	28.9	21.7	90.00	-826.9	294.7	494.1	461.9	32.22	15.335	
6,350.0	6,173.0	6,255.4	6,173.0	28.9	21.7	90.24	-826.9	294.7	494.1	461.8	32.32	15.286	
6,400.0	6,222.4	6,304.8	6,222.4	28.9	21.8	91.11	-826.9	294.7	494.2	461.6	32.63	15.145	
6,450.0	6,271.1	6,354.6	6,272.2	28.9	21.8	92.25	-827.0	293.7	494.5	461.5	32.98	14.993	
6,500.0	6,319.0	6,405.4	6,322.7	28.9	21.9	93.40	-827.0	289.1	495.0	461.7	33.31	14.862	
6,550.0	6,365.7	6,456.9	6,373.5	28.9	21.9	94.54	-827.0	280.9	495.7	462.1	33.59	14.758	
6,600.0	6,411.1	6,509.1	6,424.4	28.9	21.9	95.66	-827.1	268.9	496.6	462.8	33.82	14.682	
6,650.0	6,454.9	6,562.2	6,475.0	28.9	21.9	96.76	-827.2	252.8	497.7	463.7	34.01	14.633	
6,700.0	6,497.0	6,616.2	6,525.1	28.9	21.9	97.83	-827.3	232.8	498.9	464.8	34.15	14.608	
6,750.0	6,537.0	6,671.0	6,574.2	28.9	21.9	98.87	-827.5	208.6	500.3	466.0	34.27	14.599	
6,800.0	6,574.8	6,726.6	6,622.1	28.9	21.9	99.87	-827.7	180.3	501.7	467.4	34.36	14.601	
6,850.0	6,610.3	6,783.1	6,668.3	28.9	21.9	100.81	-827.9	147.8	503.3	468.8	34.47	14.600	
6,900.0	6,643.2	6,840.5	6,712.5	28.9	21.9	101.71	-828.1	111.2	504.8	470.2	34.62	14.583	
6,950.0	6,673.5	6,898.7	6,754.1	28.9	21.9	102.54	-828.3	70.6	506.4	471.6	34.84	14.534	
7,000.0	6,700.8	6,957.6	6,792.8	28.9	21.9	103.31	-828.6	26.2	508.0	472.8	35.19	14.433	
7,050.0	6,725.2	7,017.3	6,828.2	28.9	21.9	104.00	-828.9	-21.9	509.4	473.7	35.70	14.268	
7,100.0	6,746.5	7,077.7	6,859.7	28.9	21.9	104.62	-829.2	-73.4	510.8	474.4	36.40	14.033	
7,150.0	6,764.6	7,138.7	6,887.1	28.9	21.9	105.15	-829.6	-127.9	512.0	474.7	37.35	13.709	
7,200.0	6,779.4	7,200.3	6,909.9	29.0	22.0	105.59	-829.9	-185.1	513.1	474.6	38.52	13.320	
7,250.0	6,790.8	7,262.3	6,927.8	29.1	22.2	105.94	-830.3	-244.4	513.9	474.0	39.96	12.862	
7,300.0	6,798.8	7,324.7	6,940.5	29.2	22.5	106.20	-830.7	-305.5	514.6	472.9	41.63	12.360	
7,350.0	6,803.3	7,387.3	6,948.0	29.4	23.0	106.36	-831.1	-367.6	515.0	471.4	43.52	11.833	
7,392.7	6,804.5	7,440.8	6,950.0	29.5	23.6	106.41	-831.4	-421.1	515.1	469.8	45.28	11.376	
7,400.0	6,804.4	7,448.2	6,950.0	29.6	23.7	106.42	-831.4	-428.5	515.1	469.6	45.54	11.311	
7,500.0	6,804.1	7,548.2	6,950.0	30.2	25.4	106.45	-832.1	-528.5	515.2	466.0	49.26	10.459	
7,600.0	6,803.7	7,648.2	6,950.0	31.2	27.4	106.49	-832.7	-628.5	515.3	462.1	53.25	9.678	
7,700.0	6,803.3	7,748.2	6,950.0	32.7	29.5	106.53	-833.3	-728.5	515.4	458.0	57.47	8.969	
7,800.0	6,803.0	7,848.2	6,950.0	34.4	31.8	106.57	-833.9	-828.5	515.5	453.7	61.87	8.333	
7,900.0	6,802.6	7,948.2	6,950.0	36.4	34.1	106.61	-834.6	-928.5	515.6	449.2	66.41	7.765	
8,000.0	6,802.2	8,048.2	6,950.0	38.5	36.5	106.65	-835.2	-1,028.5	515.8	444.7	71.07	7.257	
8,100.0	6,801.9	8,148.2	6,950.0	40.8	39.0	106.69	-835.8	-1,128.5	515.9	440.0	75.82	6.803	
8,200.0	6,801.5	8,248.2	6,950.0	43.1	41.5	106.73	-836.4	-1,228.5	516.0	435.3	80.66	6.397	
8,300.0	6,801.1	8,348.2	6,950.0	45.5	44.1	106.77	-837.0	-1,328.5	516.1	430.5	85.55	6.032	
8,400.0	6,800.8	8,448.2	6,950.0	48.0	46.6	106.81	-837.7	-1,428.5	516.2	425.7	90.50	5.704	
8,500.0	6,800.4	8,548.2	6,950.0	50.5	49.2	106.84	-838.3	-1,528.5	516.3	420.8	95.50	5.406	
8,600.0	6,800.0	8,648.2	6,950.0	53.1	51.9	106.88	-838.9	-1,628.5	516.4	415.9	100.53	5.137	
8,700.0	6,799.7	8,748.2	6,950.0	55.7	54.5	106.92	-839.5	-1,728.5	516.5	410.9	105.59	4.892	
8,800.0	6,799.3	8,848.2	6,950.0	58.2	57.2	106.96	-840.2	-1,828.5	516.6	405.9	110.68	4.668	
8,900.0	6,798.9	8,948.2	6,950.0	60.9	59.8	107.00	-840.8	-1,928.5	516.7	400.9	115.79	4.463	
9,000.0	6,798.6	9,048.2	6,950.0	63.5	62.5	107.04	-841.4	-2,028.5	516.8	395.9	120.93	4.274	
9,100.0	6,798.2	9,148.2	6,950.0	66.2	65.2	107.08	-842.0	-2,128.5	517.0	390.9	126.08	4.100	
9,200.0	6,797.8	9,248.2	6,950.0	68.8	67.9	107.12	-842.6	-2,228.5	517.1	385.8	131.24	3.940	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Arellano T-10-9HN
Project:	SEC.10-T5N-R65W	**TVD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Reference Site:	Arellano 10-L Pad Sec.10-T5N-R65W	**MD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Arellano T-10-9HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (3-19-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Arellano 10-L Pad Sec.10-T5N-R65W - Arellano R-10-9HC - Wellbore #1 - Plan #2 (3-17-15) — **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
9,300.0	6,797.5	9,348.2	6,950.0	71.5	70.6	107.15	-843.3	-2,328.4	517.2	380.8	136.42	3.791	
9,400.0	6,797.1	9,448.2	6,950.0	74.2	73.3	107.19	-843.9	-2,428.4	517.3	375.7	141.61	3.653	
9,500.0	6,796.7	9,548.2	6,950.0	76.9	76.1	107.23	-844.5	-2,528.4	517.4	370.6	146.81	3.524	
9,600.0	6,796.4	9,648.2	6,950.0	79.6	78.8	107.27	-845.1	-2,628.4	517.5	365.5	152.02	3.404	
9,700.0	6,796.0	9,748.2	6,950.0	82.3	81.5	107.31	-845.8	-2,728.4	517.6	360.4	157.24	3.292	
9,800.0	6,795.6	9,848.2	6,950.0	85.0	84.3	107.35	-846.4	-2,828.4	517.7	355.3	162.46	3.187	
9,900.0	6,795.3	9,948.2	6,950.0	87.7	87.0	107.39	-847.0	-2,928.4	517.9	350.2	167.69	3.088	
10,000.0	6,794.9	10,048.2	6,950.0	90.4	89.8	107.42	-847.6	-3,028.4	518.0	345.0	172.92	2.995	
10,100.0	6,794.5	10,148.2	6,950.0	93.2	92.5	107.46	-848.2	-3,128.4	518.1	339.9	178.16	2.908	
10,200.0	6,794.2	10,248.2	6,950.0	95.9	95.3	107.50	-848.9	-3,228.4	518.2	334.8	183.41	2.825	
10,300.0	6,793.8	10,348.2	6,950.0	98.7	98.0	107.54	-849.5	-3,328.4	518.3	329.7	188.65	2.747	
10,400.0	6,793.4	10,448.2	6,950.0	101.4	100.8	107.58	-850.1	-3,428.4	518.4	324.5	193.90	2.674	
10,500.0	6,793.1	10,548.2	6,950.0	104.1	103.6	107.62	-850.7	-3,528.4	518.5	319.4	199.15	2.604	
10,600.0	6,792.7	10,648.2	6,950.0	106.9	106.3	107.66	-851.4	-3,628.4	518.6	314.2	204.40	2.537	
10,700.0	6,792.3	10,748.2	6,950.0	109.6	109.1	107.69	-852.0	-3,728.4	518.8	309.1	209.66	2.474	
10,800.0	6,792.0	10,848.2	6,950.0	112.4	111.9	107.73	-852.6	-3,828.4	518.9	304.0	214.92	2.414	
10,900.0	6,791.6	10,948.2	6,950.0	115.2	114.6	107.77	-853.2	-3,928.4	519.0	298.8	220.17	2.357	
11,000.0	6,791.2	11,048.2	6,950.0	117.9	117.4	107.81	-853.8	-4,028.4	519.1	293.7	225.43	2.303	
11,100.0	6,790.9	11,148.2	6,950.0	120.7	120.2	107.85	-854.5	-4,128.4	519.2	288.5	230.69	2.251	
11,200.0	6,790.5	11,248.2	6,950.0	123.5	123.0	107.89	-855.1	-4,228.4	519.3	283.4	235.95	2.201	
11,300.0	6,790.1	11,348.2	6,950.0	126.2	125.7	107.92	-855.7	-4,328.4	519.5	278.2	241.21	2.154	
11,400.0	6,789.8	11,448.2	6,950.0	129.0	128.5	107.96	-856.3	-4,428.4	519.6	273.1	246.47	2.108	
11,500.0	6,789.4	11,548.2	6,950.0	131.8	131.3	108.00	-857.0	-4,528.4	519.7	268.0	251.73	2.064	
11,600.0	6,789.0	11,648.2	6,950.0	134.5	134.1	108.04	-857.6	-4,628.4	519.8	262.8	256.99	2.023	
11,700.0	6,788.7	11,748.2	6,950.0	137.3	136.9	108.08	-858.2	-4,728.4	519.9	257.7	262.25	1.983	
11,800.0	6,788.3	11,848.2	6,950.0	140.1	139.6	108.12	-858.8	-4,828.4	520.0	252.5	267.51	1.944	
11,900.0	6,787.9	11,948.2	6,950.0	142.9	142.4	108.15	-859.4	-4,928.4	520.2	247.4	272.77	1.907	
12,000.0	6,787.6	12,048.2	6,950.0	145.6	145.2	108.19	-860.1	-5,028.4	520.3	242.2	278.03	1.871	
12,100.0	6,787.2	12,148.2	6,950.0	148.4	148.0	108.23	-860.7	-5,128.4	520.4	237.1	283.29	1.837	
12,200.0	6,786.8	12,248.2	6,950.0	151.2	150.8	108.27	-861.3	-5,228.4	520.5	232.0	288.54	1.804	
12,300.0	6,786.5	12,348.2	6,950.0	154.0	153.6	108.31	-861.9	-5,328.4	520.6	226.8	293.80	1.772	
12,400.0	6,786.1	12,448.2	6,950.0	156.8	156.4	108.35	-862.6	-5,428.4	520.7	221.7	299.05	1.741	
12,500.0	6,785.7	12,548.2	6,950.0	159.5	159.2	108.38	-863.2	-5,528.4	520.9	216.6	304.31	1.712	
12,600.0	6,785.4	12,648.2	6,950.0	162.3	161.9	108.42	-863.8	-5,628.4	521.0	211.4	309.56	1.683	
12,700.0	6,785.0	12,748.2	6,950.0	165.1	164.7	108.46	-864.4	-5,728.4	521.1	206.3	314.81	1.655	
12,800.0	6,784.6	12,848.2	6,950.0	167.9	167.5	108.50	-865.1	-5,828.4	521.2	201.2	320.06	1.628	
12,900.0	6,784.3	12,948.2	6,950.0	170.7	170.3	108.54	-865.7	-5,928.4	521.3	196.0	325.31	1.603	
13,000.0	6,783.9	13,048.2	6,950.0	173.5	173.1	108.57	-866.3	-6,028.4	521.5	190.9	330.56	1.577	
13,100.0	6,783.5	13,148.2	6,950.0	176.2	175.9	108.61	-866.9	-6,128.3	521.6	185.8	335.81	1.553	
13,200.0	6,783.2	13,248.2	6,950.0	179.0	178.7	108.65	-867.5	-6,228.3	521.7	180.6	341.05	1.530	
13,300.0	6,782.8	13,348.2	6,950.0	181.8	181.5	108.69	-868.2	-6,328.3	521.8	175.5	346.30	1.507	
13,400.0	6,782.4	13,448.2	6,950.0	184.6	184.3	108.73	-868.8	-6,428.3	521.9	170.4	351.54	1.485	Level 3
13,500.0	6,782.1	13,548.2	6,950.0	187.4	187.1	108.76	-869.4	-6,528.3	522.1	165.3	356.78	1.463	Level 3
13,600.0	6,781.7	13,648.2	6,950.0	190.2	189.9	108.80	-870.0	-6,628.3	522.2	160.2	362.02	1.442	Level 3
13,700.0	6,781.3	13,748.2	6,950.0	193.0	192.7	108.84	-870.7	-6,728.3	522.3	155.0	367.25	1.422	Level 3
13,800.0	6,781.0	13,848.2	6,950.0	195.8	195.5	108.88	-871.3	-6,828.3	522.4	149.9	372.49	1.403	Level 3
13,900.0	6,780.6	13,948.2	6,950.0	198.6	198.3	108.92	-871.9	-6,928.3	522.5	144.8	377.72	1.383	Level 3
14,000.0	6,780.2	14,048.2	6,950.0	201.4	201.1	108.95	-872.5	-7,028.3	522.7	139.7	382.96	1.365	Level 3
14,064.2	6,780.0	14,111.8	6,950.0	203.1	202.8	108.98	-872.9	-7,092.0	522.7	136.4	386.30	1.353	Level 3, SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Arellano T-10-9HN
Project:	SEC.10-T5N-R65W	**TVD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Reference Site:	Arellano 10-L Pad Sec.10-T5N-R65W	**MD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Arellano T-10-9HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (3-19-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Arellano 10-L Pad Sec.10-T5N-R65W - Arellano S-10-9HN - Wellbore #1 - Plan #2 (3-17-15) — **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	20.42	14.2	5.3	15.2	15.2	0.00	N/A	
100.0	100.0	100.0	100.0	0.1	0.1	20.42	14.2	5.3	15.2	14.9	0.22	67.469	
200.0	200.0	200.0	200.0	0.3	0.3	20.42	14.2	5.3	15.2	14.5	0.67	22.490	CC
300.0	300.0	300.0	300.0	0.5	0.6	-149.27	14.2	5.3	16.3	15.2	1.10	14.749	
400.0	399.9	399.9	399.9	0.7	0.8	-155.08	14.2	5.3	19.8	18.2	1.53	12.888	
500.0	499.7	500.3	500.3	1.0	1.0	-160.05	12.9	5.7	24.6	22.7	1.95	12.644	
600.0	599.3	600.8	600.7	1.2	1.2	-163.08	9.1	6.8	29.7	27.3	2.36	12.591	
700.0	698.6	701.5	701.2	1.5	1.4	-164.98	2.8	8.6	34.8	32.0	2.78	12.496	
800.0	797.5	802.3	801.5	1.8	1.6	-166.17	-6.1	11.2	39.9	36.7	3.23	12.378	
900.0	896.1	903.2	901.8	2.2	1.9	-166.89	-17.6	14.5	45.1	41.5	3.69	12.242	
1,000.0	994.2	1,004.3	1,001.8	2.6	2.2	-167.28	-31.6	18.6	50.4	46.2	4.16	12.092	
1,100.0	1,091.7	1,105.5	1,101.5	3.0	2.6	-167.44	-48.2	23.4	55.6	50.9	4.66	11.925	
1,200.0	1,188.6	1,206.9	1,200.9	3.5	2.9	-167.42	-67.3	28.9	60.8	55.6	5.18	11.746	
1,257.3	1,243.8	1,264.3	1,257.0	3.8	3.2	-167.40	-79.1	32.3	64.0	58.5	5.48	11.677	
1,300.0	1,284.9	1,307.0	1,298.7	4.1	3.4	-167.45	-87.9	34.8	66.7	61.0	5.72	11.662	
1,400.0	1,381.1	1,406.8	1,396.2	4.6	3.8	-167.55	-108.4	40.8	72.9	66.6	6.28	11.616	
1,500.0	1,477.3	1,506.6	1,493.6	5.2	4.2	-167.63	-129.0	46.7	79.2	72.3	6.84	11.572	
1,600.0	1,573.5	1,606.4	1,591.1	5.7	4.7	-167.69	-149.5	52.7	85.4	78.0	7.41	11.523	
1,700.0	1,669.7	1,706.2	1,688.6	6.3	5.1	-167.75	-170.0	58.6	91.7	83.7	7.99	11.475	
1,800.0	1,765.9	1,806.0	1,786.1	6.8	5.6	-167.81	-190.6	64.6	97.9	89.3	8.57	11.430	
1,900.0	1,862.1	1,905.8	1,883.6	7.4	6.0	-167.85	-211.1	70.5	104.2	95.0	9.15	11.387	
2,000.0	1,958.3	2,005.6	1,981.1	8.0	6.5	-167.89	-231.7	76.4	110.4	100.7	9.73	11.347	
2,100.0	2,054.5	2,105.4	2,078.6	8.5	7.0	-167.93	-252.2	82.4	116.6	106.3	10.31	11.310	
2,200.0	2,150.7	2,205.2	2,176.1	9.1	7.4	-167.96	-272.7	88.3	122.9	112.0	10.90	11.275	
2,300.0	2,246.9	2,305.0	2,273.6	9.7	7.9	-167.99	-293.3	94.3	129.1	117.6	11.49	11.242	
2,400.0	2,343.1	2,404.8	2,371.0	10.2	8.3	-168.02	-313.8	100.2	135.4	123.3	12.08	11.212	
2,500.0	2,439.2	2,504.6	2,468.5	10.8	8.8	-168.04	-334.3	106.1	141.6	129.0	12.66	11.183	
2,600.0	2,535.4	2,604.4	2,566.0	11.4	9.3	-168.06	-354.9	112.1	147.9	134.6	13.25	11.157	
2,700.0	2,631.6	2,704.2	2,663.5	12.0	9.7	-168.08	-375.4	118.0	154.1	140.3	13.84	11.132	
2,800.0	2,727.8	2,804.0	2,761.0	12.5	10.2	-168.10	-395.9	124.0	160.4	145.9	14.44	11.109	
2,900.0	2,824.0	2,903.8	2,858.5	13.1	10.7	-168.12	-416.5	129.9	166.6	151.6	15.03	11.087	
3,000.0	2,920.2	3,003.7	2,956.0	13.7	11.1	-168.13	-437.0	135.9	172.9	157.2	15.62	11.067	
3,100.0	3,016.4	3,103.5	3,053.5	14.2	11.6	-168.15	-457.6	141.8	179.1	162.9	16.21	11.047	
3,200.0	3,112.6	3,203.3	3,150.9	14.8	12.1	-168.16	-478.1	147.7	185.4	168.5	16.81	11.029	
3,300.0	3,208.8	3,303.1	3,248.4	15.4	12.5	-168.18	-498.6	153.7	191.6	174.2	17.40	11.012	
3,400.0	3,305.0	3,402.9	3,345.9	16.0	13.0	-168.19	-519.2	159.6	197.8	179.9	17.99	10.996	
3,500.0	3,401.2	3,502.7	3,443.4	16.5	13.5	-168.20	-539.7	165.6	204.1	185.5	18.59	10.981	
3,600.0	3,497.4	3,602.5	3,540.9	17.1	13.9	-168.21	-560.2	171.5	210.3	191.2	19.18	10.966	
3,700.0	3,593.6	3,702.3	3,638.4	17.7	14.4	-168.22	-580.8	177.5	216.6	196.8	19.78	10.952	
3,800.0	3,689.8	3,802.1	3,735.9	18.2	14.9	-168.23	-601.3	183.4	222.8	202.5	20.37	10.939	
3,900.0	3,786.0	3,901.9	3,833.4	18.8	15.4	-168.24	-621.8	189.3	229.1	208.1	20.96	10.927	
4,000.0	3,882.2	4,001.7	3,930.9	19.4	15.8	-168.25	-642.4	195.3	235.3	213.8	21.56	10.915	
4,100.0	3,978.3	4,101.5	4,028.3	20.0	16.3	-168.26	-662.9	201.2	241.6	219.4	22.15	10.904	
4,200.0	4,074.5	4,201.3	4,125.8	20.5	16.8	-168.26	-683.4	207.2	247.8	225.1	22.75	10.893	
4,300.0	4,170.7	4,301.1	4,223.3	21.1	17.2	-168.27	-704.0	213.1	254.1	230.7	23.35	10.883	
4,400.0	4,266.9	4,400.9	4,320.8	21.7	17.7	-168.28	-724.5	219.1	260.3	236.4	23.94	10.873	
4,500.0	4,363.1	4,500.7	4,418.3	22.2	18.2	-168.29	-745.1	225.0	266.6	242.0	24.54	10.864	
4,600.0	4,459.3	4,600.5	4,515.8	22.8	18.6	-168.29	-765.6	230.9	272.8	247.7	25.13	10.855	
4,700.0	4,555.5	4,700.3	4,613.3	23.4	19.1	-168.30	-786.1	236.9	279.1	253.3	25.73	10.846	
4,800.0	4,651.7	4,800.1	4,710.8	24.0	19.6	-168.30	-806.7	242.8	285.3	259.0	26.32	10.838	
4,900.0	4,747.9	4,899.9	4,808.2	24.5	20.1	-168.31	-827.2	248.8	291.5	264.6	26.92	10.830	
5,000.0	4,844.1	4,999.7	4,905.7	25.1	20.5	-168.31	-847.7	254.7	297.8	270.3	27.52	10.823	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Arellano T-10-9HN
Project:	SEC.10-T5N-R65W	**TVD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Reference Site:	Arellano 10-L Pad Sec.10-T5N-R65W	**MD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Arellano T-10-9HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (3-19-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Arellano 10-L Pad Sec.10-T5N-R65W - Arellano S-10-9HN - Wellbore #1 - Plan #2 (3-17-15) — **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	4,940.3	5,099.6	5,003.2	25.7	21.0	-168.32	-868.3	260.6	304.0	275.9	28.11	10.815	
5,200.0	5,036.5	5,199.4	5,100.7	26.3	21.5	-168.32	-888.8	266.6	310.3	281.6	28.71	10.808	
5,283.8	5,117.1	5,283.0	5,182.4	26.7	21.9	-168.33	-906.0	271.6	315.5	286.3	29.21	10.803	
5,300.0	5,132.7	5,299.2	5,198.2	26.8	21.9	-168.33	-909.3	272.5	316.5	287.2	29.31	10.799	
5,400.0	5,229.5	5,398.1	5,294.9	27.2	22.4	-168.27	-929.7	278.4	320.5	290.6	29.88	10.725	
5,500.0	5,327.1	5,488.3	5,383.3	27.5	22.7	-168.17	-946.7	283.3	322.9	292.5	30.35	10.638	
5,600.0	5,425.4	5,578.5	5,472.2	27.8	22.9	-168.09	-960.9	287.5	324.9	294.1	30.76	10.563	
5,700.0	5,524.3	5,668.6	5,561.5	28.1	23.1	-168.03	-972.5	290.8	326.5	295.4	31.11	10.497	
5,800.0	5,623.6	5,758.6	5,651.1	28.3	23.3	-167.98	-981.4	293.4	327.8	296.4	31.39	10.441	
5,900.0	5,723.3	5,848.7	5,740.9	28.5	23.5	-167.95	-987.5	295.2	328.6	297.0	31.62	10.394	
6,000.0	5,823.2	5,938.7	5,830.9	28.6	23.6	-167.93	-991.0	296.2	329.1	297.3	31.79	10.353	
6,076.8	5,900.0	6,007.9	5,900.0	28.7	23.7	-0.75	-991.8	296.4	329.2	277.8	51.41	6.404	
6,100.0	5,923.2	6,031.0	5,923.2	28.7	23.7	-0.75	-991.8	296.4	329.2	277.8	51.46	6.398	
6,200.0	6,023.2	6,131.0	6,023.2	28.8	23.8	-0.75	-991.8	296.4	329.2	277.6	51.64	6.375	
6,265.1	6,088.3	6,196.1	6,088.3	28.8	23.9	-0.75	-991.8	296.4	329.2	277.5	51.76	6.361	
6,300.0	6,123.2	6,231.0	6,123.2	28.9	23.9	89.76	-991.8	296.4	329.2	296.6	32.59	10.102	
6,321.8	6,145.0	6,252.8	6,145.0	28.9	23.9	90.00	-991.8	296.4	329.2	296.5	32.70	10.068	
6,350.0	6,173.0	6,280.9	6,173.1	28.9	24.0	90.41	-991.8	296.0	329.2	296.4	32.86	10.019	
6,400.0	6,222.4	6,331.1	6,223.1	28.9	24.0	91.14	-991.8	292.5	329.3	296.2	33.13	9.940	
6,450.0	6,271.1	6,381.5	6,273.0	28.9	24.0	91.87	-991.9	285.5	329.4	296.0	33.36	9.874	
6,500.0	6,319.0	6,432.2	6,322.6	28.9	24.1	92.59	-991.9	274.9	329.6	296.0	33.56	9.820	
6,550.0	6,365.7	6,483.3	6,371.7	28.9	24.1	93.29	-992.0	260.8	329.8	296.1	33.72	9.780	
6,600.0	6,411.1	6,534.6	6,419.8	28.9	24.1	93.99	-992.1	243.0	330.0	296.2	33.85	9.751	
6,650.0	6,454.9	6,586.3	6,466.9	28.9	24.1	94.66	-992.3	221.8	330.3	296.4	33.95	9.730	
6,700.0	6,497.0	6,638.2	6,512.5	28.9	24.1	95.31	-992.4	197.0	330.7	296.6	34.04	9.715	
6,750.0	6,537.0	6,690.5	6,556.5	28.9	24.1	95.94	-992.6	168.9	331.0	296.9	34.13	9.700	
6,800.0	6,574.8	6,743.0	6,598.6	28.9	24.0	96.53	-992.8	137.4	331.4	297.2	34.24	9.678	
6,850.0	6,610.3	6,795.8	6,638.4	28.9	24.0	97.10	-993.0	102.7	331.8	297.4	34.40	9.644	
6,900.0	6,643.2	6,848.9	6,675.7	28.9	24.0	97.62	-993.2	65.0	332.2	297.5	34.65	9.587	
6,950.0	6,673.5	6,902.2	6,710.3	28.9	24.0	98.11	-993.5	24.5	332.6	297.6	35.00	9.502	
7,000.0	6,700.8	6,955.7	6,741.9	28.9	24.0	98.56	-993.8	-18.7	333.0	297.5	35.50	9.380	
7,050.0	6,725.2	7,009.5	6,770.3	28.9	24.0	98.96	-994.0	-64.3	333.3	297.2	36.15	9.220	
7,100.0	6,746.5	7,063.4	6,795.3	28.9	24.0	99.32	-994.3	-112.1	333.6	296.6	37.01	9.015	
7,150.0	6,764.6	7,117.5	6,816.7	28.9	24.1	99.63	-994.7	-161.8	333.9	295.9	38.05	8.776	
7,200.0	6,779.4	7,171.8	6,834.3	29.0	24.2	99.88	-995.0	-213.1	334.2	294.9	39.30	8.503	
7,250.0	6,790.8	7,226.2	6,848.0	29.1	24.3	100.09	-995.3	-265.8	334.4	293.7	40.75	8.206	
7,300.0	6,798.8	7,280.7	6,857.7	29.2	24.5	100.24	-995.6	-319.4	334.6	292.2	42.38	7.894	
7,350.0	6,803.3	7,335.2	6,863.3	29.4	24.8	100.34	-996.0	-373.6	334.7	290.5	44.18	7.576	
7,392.7	6,804.5	7,381.9	6,864.8	29.5	25.2	100.39	-996.3	-420.2	334.7	288.9	45.82	7.305	
7,400.0	6,804.4	7,389.3	6,864.8	29.6	25.3	100.39	-996.3	-427.7	334.7	288.6	46.08	7.263	
7,500.0	6,804.1	7,489.3	6,864.5	30.2	26.5	100.40	-996.9	-527.7	334.7	284.9	49.87	6.712	
7,600.0	6,803.7	7,589.3	6,864.2	31.2	28.2	100.41	-997.6	-627.7	334.8	280.8	53.96	6.204	
7,700.0	6,803.3	7,689.3	6,863.9	32.7	30.2	100.42	-998.2	-727.7	334.8	276.5	58.28	5.744	
7,800.0	6,803.0	7,789.3	6,863.6	34.4	32.4	100.43	-998.8	-827.6	334.8	272.0	62.79	5.332	
7,900.0	6,802.6	7,889.3	6,863.3	36.4	34.6	100.45	-999.4	-927.6	334.8	267.3	67.45	4.963	
8,000.0	6,802.2	7,989.3	6,863.0	38.5	37.0	100.46	-1,000.1	-1,027.6	334.8	262.6	72.24	4.635	
8,100.0	6,801.9	8,089.3	6,862.7	40.8	39.4	100.47	-1,000.7	-1,127.6	334.8	257.7	77.12	4.342	
8,200.0	6,801.5	8,189.3	6,862.4	43.1	41.9	100.48	-1,001.3	-1,227.6	334.8	252.7	82.08	4.079	
8,300.0	6,801.1	8,289.3	6,862.1	45.5	44.4	100.49	-1,001.9	-1,327.6	334.8	247.7	87.11	3.844	
8,400.0	6,800.8	8,389.3	6,861.8	48.0	47.0	100.50	-1,002.6	-1,427.6	334.9	242.7	92.20	3.632	
8,500.0	6,800.4	8,489.3	6,861.5	50.5	49.6	100.52	-1,003.2	-1,527.6	334.9	237.5	97.34	3.440	
8,600.0	6,800.0	8,589.3	6,861.2	53.1	52.2	100.53	-1,003.8	-1,627.6	334.9	232.4	102.51	3.267	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Arellano T-10-9HN
Project:	SEC.10-T5N-R65W	**TVD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Reference Site:	Arellano 10-L Pad Sec.10-T5N-R65W	**MD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Arellano T-10-9HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (3-19-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Arellano 10-L Pad Sec.10-T5N-R65W - Arellano S-10-9HN - Wellbore #1 - Plan #2 (3-17-15) — **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
8,700.0	6,799.7	8,689.3	6,860.9	55.7	54.8	100.54	-1,004.4	-1,727.6	334.9	227.2	107.72	3.109	
8,800.0	6,799.3	8,789.3	6,860.6	58.2	57.4	100.55	-1,005.1	-1,827.6	334.9	222.0	112.96	2.965	
8,900.0	6,798.9	8,889.3	6,860.3	60.9	60.1	100.56	-1,005.7	-1,927.6	334.9	216.7	118.23	2.833	
9,000.0	6,798.6	8,989.3	6,860.0	63.5	62.8	100.57	-1,006.3	-2,027.6	334.9	211.4	123.51	2.712	
9,100.0	6,798.2	9,089.3	6,859.7	66.2	65.4	100.59	-1,006.9	-2,127.6	335.0	206.1	128.82	2.600	
9,200.0	6,797.8	9,189.3	6,859.4	68.8	68.1	100.60	-1,007.6	-2,227.6	335.0	200.8	134.14	2.497	
9,300.0	6,797.5	9,289.3	6,859.1	71.5	70.8	100.61	-1,008.2	-2,327.6	335.0	195.5	139.48	2.402	
9,400.0	6,797.1	9,389.3	6,858.8	74.2	73.5	100.62	-1,008.8	-2,427.6	335.0	190.2	144.83	2.313	
9,500.0	6,796.7	9,489.3	6,858.5	76.9	76.3	100.63	-1,009.4	-2,527.6	335.0	184.8	150.19	2.231	
9,600.0	6,796.4	9,589.3	6,858.2	79.6	79.0	100.64	-1,010.1	-2,627.6	335.0	179.5	155.57	2.154	
9,700.0	6,796.0	9,689.3	6,857.9	82.3	81.7	100.66	-1,010.7	-2,727.6	335.0	174.1	160.95	2.082	
9,800.0	6,795.6	9,789.3	6,857.7	85.0	84.4	100.67	-1,011.3	-2,827.6	335.1	168.7	166.34	2.014	
9,900.0	6,795.3	9,889.3	6,857.4	87.7	87.2	100.68	-1,011.9	-2,927.6	335.1	163.3	171.74	1.951	
10,000.0	6,794.9	9,989.3	6,857.1	90.4	89.9	100.69	-1,012.6	-3,027.6	335.1	157.9	177.15	1.891	
10,100.0	6,794.5	10,089.3	6,856.8	93.2	92.7	100.70	-1,013.2	-3,127.6	335.1	152.5	182.56	1.835	
10,200.0	6,794.2	10,189.3	6,856.5	95.9	95.4	100.71	-1,013.8	-3,227.6	335.1	147.1	187.98	1.783	
10,300.0	6,793.8	10,289.3	6,856.2	98.7	98.2	100.73	-1,014.4	-3,327.6	335.1	141.7	193.41	1.733	
10,400.0	6,793.4	10,389.3	6,855.9	101.4	100.9	100.74	-1,015.1	-3,427.6	335.1	136.3	198.84	1.685	
10,500.0	6,793.1	10,489.3	6,855.6	104.1	103.7	100.75	-1,015.7	-3,527.6	335.1	130.9	204.27	1.641	
10,600.0	6,792.7	10,589.3	6,855.3	106.9	106.5	100.76	-1,016.3	-3,627.6	335.2	125.5	209.71	1.598	
10,700.0	6,792.3	10,689.3	6,855.0	109.6	109.2	100.77	-1,016.9	-3,727.6	335.2	120.0	215.15	1.558	
10,800.0	6,792.0	10,789.3	6,854.7	112.4	112.0	100.78	-1,017.6	-3,827.6	335.2	114.6	220.59	1.520	
10,900.0	6,791.6	10,889.3	6,854.4	115.2	114.8	100.80	-1,018.2	-3,927.6	335.2	109.2	226.04	1.483	Level 3
11,000.0	6,791.2	10,989.3	6,854.1	117.9	117.5	100.81	-1,018.8	-4,027.6	335.2	103.7	231.49	1.448	Level 3
11,100.0	6,790.9	11,089.3	6,853.8	120.7	120.3	100.82	-1,019.4	-4,127.6	335.2	98.3	236.94	1.415	Level 3
11,200.0	6,790.5	11,189.3	6,853.5	123.5	123.1	100.83	-1,020.1	-4,227.6	335.2	92.9	242.39	1.383	Level 3
11,300.0	6,790.1	11,289.3	6,853.2	126.2	125.8	100.84	-1,020.7	-4,327.6	335.3	87.4	247.85	1.353	Level 3
11,400.0	6,789.8	11,389.3	6,852.9	129.0	128.6	100.85	-1,021.3	-4,427.6	335.3	82.0	253.31	1.324	Level 3
11,500.0	6,789.4	11,489.3	6,852.6	131.8	131.4	100.87	-1,021.9	-4,527.6	335.3	76.5	258.77	1.296	Level 3
11,600.0	6,789.0	11,589.3	6,852.3	134.5	134.2	100.88	-1,022.6	-4,627.6	335.3	71.1	264.23	1.269	Level 3
11,700.0	6,788.7	11,689.3	6,852.0	137.3	137.0	100.89	-1,023.2	-4,727.6	335.3	65.6	269.70	1.243	Level 2
11,800.0	6,788.3	11,789.3	6,851.7	140.1	139.7	100.90	-1,023.8	-4,827.6	335.3	60.2	275.16	1.219	Level 2
11,900.0	6,787.9	11,889.3	6,851.4	142.9	142.5	100.91	-1,024.4	-4,927.5	335.3	54.7	280.63	1.195	Level 2
12,000.0	6,787.6	11,989.3	6,851.1	145.6	145.3	100.92	-1,025.1	-5,027.5	335.4	49.3	286.10	1.172	Level 2
12,100.0	6,787.2	12,089.3	6,850.8	148.4	148.1	100.94	-1,025.7	-5,127.5	335.4	43.8	291.57	1.150	Level 2
12,200.0	6,786.8	12,189.3	6,850.5	151.2	150.9	100.95	-1,026.3	-5,227.5	335.4	38.4	297.04	1.129	Level 2
12,300.0	6,786.5	12,289.3	6,850.2	154.0	153.7	100.96	-1,026.9	-5,327.5	335.4	32.9	302.51	1.109	Level 2
12,400.0	6,786.1	12,389.3	6,849.9	156.8	156.4	100.97	-1,027.5	-5,427.5	335.4	27.4	307.98	1.089	Level 2
12,500.0	6,785.7	12,489.3	6,849.6	159.5	159.2	100.98	-1,028.2	-5,527.5	335.4	22.0	313.46	1.070	Level 2
12,600.0	6,785.4	12,589.3	6,849.3	162.3	162.0	100.99	-1,028.8	-5,627.5	335.4	16.5	318.93	1.052	Level 2
12,700.0	6,785.0	12,689.3	6,849.0	165.1	164.8	101.01	-1,029.4	-5,727.5	335.5	11.1	324.40	1.034	Level 2
12,800.0	6,784.6	12,789.3	6,848.7	167.9	167.6	101.02	-1,030.0	-5,827.5	335.5	5.6	329.88	1.017	Level 2
12,900.0	6,784.3	12,889.3	6,848.5	170.7	170.4	101.03	-1,030.7	-5,927.5	335.5	0.1	335.36	1.000	Level 2
13,000.0	6,783.9	12,989.3	6,848.2	173.5	173.2	101.04	-1,031.3	-6,027.5	335.5	-5.3	340.83	0.984	Level 1
13,100.0	6,783.5	13,089.3	6,847.9	176.2	176.0	101.05	-1,031.9	-6,127.5	335.5	-10.8	346.31	0.969	Level 1
13,200.0	6,783.2	13,189.3	6,847.6	179.0	178.8	101.06	-1,032.5	-6,227.5	335.5	-16.3	351.79	0.954	Level 1
13,300.0	6,782.8	13,289.3	6,847.3	181.8	181.6	101.08	-1,033.2	-6,327.5	335.5	-21.7	357.27	0.939	Level 1
13,400.0	6,782.4	13,389.3	6,847.0	184.6	184.4	101.09	-1,033.8	-6,427.5	335.6	-27.2	362.74	0.925	Level 1
13,500.0	6,782.1	13,489.3	6,846.7	187.4	187.1	101.10	-1,034.4	-6,527.5	335.6	-32.6	368.22	0.911	Level 1
13,600.0	6,781.7	13,589.3	6,846.4	190.2	189.9	101.11	-1,035.0	-6,627.5	335.6	-38.1	373.70	0.898	Level 1
13,700.0	6,781.3	13,689.3	6,846.1	193.0	192.7	101.12	-1,035.7	-6,727.5	335.6	-43.6	379.18	0.885	Level 1
13,800.0	6,781.0	13,789.3	6,845.8	195.8	195.5	101.13	-1,036.3	-6,827.5	335.6	-49.0	384.66	0.873	Level 1

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 Arellano T-10-9HN
Project:	SEC.10-T5N-R65W	**TVD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Reference Site:	Arellano 10-L Pad Sec.10-T5N-R65W	**MD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Arellano T-10-9HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (3-19-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Arellano 10-L Pad Sec.10-T5N-R65W - Arellano S-10-9HN - Wellbore #1 - Plan #2 (3-17-15) **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
13,900.0	6,780.6	13,889.3	6,845.5	198.6	198.3	101.15	-1,036.9	-6,927.5	335.6	-54.5	390.14	0.860	Level 1
14,000.0	6,780.2	13,989.3	6,845.2	201.4	201.1	101.16	-1,037.5	-7,027.5	335.6	-60.0	395.62	0.848	Level 1
14,033.4	6,780.1	14,022.7	6,845.1	202.3	202.1	101.16	-1,037.8	-7,060.9	335.7	-61.8	397.45	0.845	Level 1
14,064.2	6,780.0	14,053.0	6,845.0	203.1	202.9	101.17	-1,037.9	-7,091.2	335.7	-63.5	399.12	0.841	Level 1, ES, SF

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Arellano T-10-9HN
Project:	SEC.10-T5N-R65W	**TVD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Reference Site:	Arellano 10-L Pad Sec.10-T5N-R65W	**MD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Arellano T-10-9HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (3-19-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Existing Wells Sec.10-T5N-65W - Straight H 24-10 (Exist.) - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 ft

Survey Program: 7496-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
8,800.0	6,799.3	6,796.8	6,796.8	58.2	135.9	91.59	-1,244.3	-2,543.4	723.6	530.7	192.92	3.751	
8,900.0	6,798.9	6,796.4	6,796.4	60.9	135.9	91.37	-1,244.3	-2,543.4	624.6	429.0	195.59	3.193	
9,000.0	6,798.6	6,796.1	6,796.1	63.5	135.9	91.15	-1,244.3	-2,543.4	526.0	327.7	198.27	2.653	
9,100.0	6,798.2	6,795.7	6,795.7	66.2	135.9	90.93	-1,244.3	-2,543.4	428.0	227.0	200.96	2.130	
9,200.0	6,797.8	6,795.3	6,795.3	68.8	135.9	90.71	-1,244.3	-2,543.4	331.2	127.5	203.66	1.626	
9,300.0	6,797.5	6,795.0	6,795.0	71.5	135.9	90.48	-1,244.3	-2,543.4	237.1	30.7	206.37	1.149	Level 2
9,400.0	6,797.1	6,794.6	6,794.6	74.2	135.9	90.26	-1,244.3	-2,543.4	150.7	-58.4	209.07	0.721	Level 1
9,500.0	6,796.7	6,794.2	6,794.2	76.9	135.9	90.04	-1,244.3	-2,543.4	96.1	-115.7	211.79	0.454	Level 1
9,517.4	6,796.7	6,794.2	6,794.2	77.3	135.9	90.00	-1,244.3	-2,543.4	94.5	-117.8	212.26	0.445	Level 1, CC, ES, SF
9,600.0	6,796.4	6,793.9	6,793.9	79.6	135.9	89.82	-1,244.3	-2,543.4	125.5	-89.0	214.50	0.585	Level 1
9,700.0	6,796.0	6,793.5	6,793.5	82.3	135.9	89.59	-1,244.3	-2,543.4	205.6	-11.6	217.22	0.946	Level 1
9,800.0	6,795.6	6,793.1	6,793.1	85.0	135.9	89.37	-1,244.3	-2,543.4	298.0	78.0	219.93	1.355	Level 3
9,900.0	6,795.3	6,792.8	6,792.8	87.7	135.9	89.15	-1,244.3	-2,543.4	394.1	171.4	222.65	1.770	
10,000.0	6,794.9	6,792.4	6,792.4	90.4	135.8	88.93	-1,244.3	-2,543.4	491.8	266.4	225.37	2.182	
10,100.0	6,794.5	6,792.0	6,792.0	93.2	135.8	88.71	-1,244.3	-2,543.4	590.2	362.1	228.09	2.588	
10,200.0	6,794.2	6,791.7	6,791.7	95.9	135.8	88.48	-1,244.3	-2,543.4	689.1	458.3	230.81	2.986	
10,300.0	6,793.8	6,791.3	6,791.3	98.7	135.8	88.26	-1,244.3	-2,543.4	788.3	554.7	233.53	3.376	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Arellano T-10-9HN
Project:	SEC.10-T5N-R65W	**TVD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Reference Site:	Arellano 10-L Pad Sec.10-T5N-R65W	**MD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Arellano T-10-9HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (3-19-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Existing Wells Sec.10-T5N-65W - Turner 44-10 (Exist.) - Wellbore #1 - Wellbore #1 — **Offset Site Error:** 0.0 ft

Survey Program: 100-NS-GYRO-MS — **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
1,800.0	1,765.9	1,764.1	1,764.1	6.8	4.1	29.72	-1,048.6	-152.7	792.7	783.7	9.08	87.302	
1,900.0	1,862.1	1,862.5	1,862.5	7.4	4.3	30.77	-1,048.5	-153.0	768.9	759.2	9.67	79.523	
2,000.0	1,958.3	1,964.5	1,964.5	8.0	4.4	31.91	-1,047.9	-152.9	744.7	734.5	10.19	73.098	
2,100.0	2,054.5	2,060.6	2,060.5	8.5	4.4	33.00	-1,046.9	-152.1	720.2	709.6	10.67	67.522	
2,200.0	2,150.7	2,156.4	2,156.3	9.1	4.5	34.14	-1,046.4	-150.9	696.3	685.1	11.16	62.387	
2,300.0	2,246.9	2,254.7	2,254.7	9.7	4.5	35.43	-1,045.4	-150.1	672.4	660.7	11.69	57.496	
2,400.0	2,343.1	2,350.7	2,350.6	10.2	4.6	36.77	-1,044.3	-149.2	648.5	636.3	12.26	52.901	
2,500.0	2,439.2	2,445.1	2,445.0	10.8	4.6	38.19	-1,043.3	-148.4	625.3	612.4	12.86	48.641	
2,600.0	2,535.4	2,540.3	2,540.2	11.4	4.7	39.72	-1,042.5	-147.6	602.6	589.2	13.48	44.697	
2,700.0	2,631.6	2,637.1	2,637.0	12.0	4.8	41.36	-1,041.9	-146.6	580.5	566.3	14.14	41.043	
2,800.0	2,727.8	2,734.7	2,734.6	12.5	4.9	43.13	-1,041.1	-145.3	558.5	543.7	14.84	37.630	
2,900.0	2,824.0	2,830.3	2,830.1	13.1	5.0	45.02	-1,040.2	-144.0	537.0	521.5	15.58	34.473	
3,000.0	2,920.2	2,924.7	2,924.5	13.7	5.1	47.02	-1,039.4	-142.9	516.4	500.1	16.35	31.588	
3,100.0	3,016.4	3,021.1	3,020.9	14.2	5.3	49.22	-1,038.9	-141.8	496.7	479.5	17.16	28.937	
3,200.0	3,112.6	3,118.4	3,118.2	14.8	5.4	51.59	-1,038.2	-140.5	477.4	459.4	18.02	26.492	
3,300.0	3,208.8	3,212.9	3,212.8	15.4	5.6	54.09	-1,037.6	-139.3	459.2	440.3	18.91	24.287	
3,400.0	3,305.0	3,310.6	3,310.4	16.0	5.7	56.85	-1,037.0	-137.9	441.9	422.1	19.84	22.274	
3,500.0	3,401.2	3,410.3	3,410.1	16.5	5.9	59.91	-1,035.8	-136.2	425.1	404.3	20.82	20.416	
3,600.0	3,497.4	3,506.5	3,506.3	17.1	6.1	63.18	-1,033.9	-134.7	409.1	387.3	21.83	18.743	
3,700.0	3,593.6	3,600.4	3,600.2	17.7	6.2	66.65	-1,031.8	-133.6	394.8	372.0	22.85	17.281	
3,800.0	3,689.8	3,696.9	3,696.6	18.2	6.4	70.47	-1,029.7	-132.6	382.3	358.4	23.88	16.006	
3,900.0	3,786.0	3,792.0	3,791.7	18.8	6.6	74.54	-1,027.0	-131.9	371.6	346.7	24.91	14.918	
4,000.0	3,882.2	3,886.1	3,885.8	19.4	6.8	78.90	-1,023.7	-131.8	363.3	337.4	25.91	14.025	
4,100.0	3,978.3	3,982.1	3,981.7	20.0	7.0	83.55	-1,020.0	-131.9	357.6	330.8	26.86	13.315	
4,200.0	4,074.5	4,081.6	4,081.1	20.5	7.2	88.38	-1,016.7	-131.1	353.8	326.1	27.74	12.757	
4,300.0	4,170.7	4,181.7	4,181.1	21.1	7.4	93.23	-1,013.6	-128.9	351.3	322.8	28.51	12.321	
4,400.0	4,266.9	4,282.3	4,281.6	21.7	7.6	98.18	-1,010.0	-125.3	350.0	320.8	29.17	11.997	
4,473.8	4,337.9	4,356.9	4,356.0	22.1	7.8	101.86	-1,007.4	-121.7	349.7	320.1	29.58	11.822	
4,500.0	4,363.1	4,383.4	4,382.5	22.2	7.9	103.18	-1,006.4	-120.2	349.7	320.0	29.71	11.773	
4,600.0	4,459.3	4,480.1	4,478.9	22.8	8.1	107.94	-1,002.8	-114.1	351.0	320.9	30.12	11.655	
4,700.0	4,555.5	4,571.4	4,570.1	23.4	8.2	112.24	-1,000.4	-108.9	355.2	324.8	30.45	11.667	
4,800.0	4,651.7	4,665.1	4,663.6	24.0	8.4	116.29	-999.2	-104.8	362.7	332.0	30.70	11.815	
4,900.0	4,747.9	4,761.2	4,759.6	24.5	8.6	120.11	-998.9	-101.2	372.3	341.5	30.89	12.052	
5,000.0	4,844.1	4,859.6	4,858.0	25.1	8.8	123.76	-999.0	-97.4	383.4	352.4	31.03	12.357	
5,100.0	4,940.3	4,955.4	4,953.7	25.7	9.0	127.10	-999.5	-93.3	395.5	364.4	31.15	12.700	
5,200.0	5,036.5	5,048.2	5,046.5	26.3	9.2	130.15	-999.6	-89.9	409.7	378.4	31.25	13.110	
5,283.8	5,117.1	5,126.7	5,125.0	26.7	9.4	132.52	-999.7	-87.8	423.1	391.7	31.34	13.501	
5,300.0	5,132.7	5,142.1	5,140.4	26.8	9.4	132.99	-999.8	-87.4	425.8	394.4	31.34	13.585	
5,400.0	5,229.5	5,238.1	5,236.3	27.2	9.6	135.59	-1,000.4	-85.6	441.6	410.2	31.33	14.094	
5,500.0	5,327.1	5,335.5	5,333.7	27.5	9.7	137.60	-1,001.8	-84.4	455.7	424.3	31.37	14.525	
5,600.0	5,425.4	5,434.2	5,432.4	27.8	9.9	139.16	-1,003.5	-83.4	467.7	436.2	31.46	14.867	
5,700.0	5,524.3	5,533.3	5,531.5	28.1	10.0	140.37	-1,005.1	-82.3	477.2	445.6	31.58	15.110	
5,800.0	5,623.6	5,632.3	5,630.4	28.3	10.2	141.28	-1,006.4	-81.1	484.3	452.6	31.74	15.259	
5,900.0	5,723.3	5,731.3	5,729.4	28.5	10.4	141.89	-1,007.5	-79.9	488.8	456.9	31.93	15.310	
6,000.0	5,823.2	5,827.8	5,826.0	28.6	10.6	142.22	-1,008.3	-79.0	491.1	459.0	32.14	15.280	
6,076.8	5,900.0	5,901.9	5,900.0	28.7	10.7	-50.48	-1,008.2	-78.4	491.5	456.1	35.40	13.884	
6,100.0	5,923.2	5,925.7	5,923.9	28.7	10.8	-50.46	-1,008.2	-78.2	491.4	455.9	35.48	13.851	
6,200.0	6,023.2	6,026.5	6,024.6	28.8	11.0	-50.43	-1,008.4	-77.6	490.7	454.9	35.78	13.714	
6,265.1	6,088.3	6,088.6	6,086.7	28.8	11.1	-50.40	-1,008.4	-77.3	490.5	454.6	35.97	13.636	
6,269.2	6,092.4	6,092.5	6,090.7	28.8	11.1	39.96	-1,008.3	-77.3	490.5	457.6	32.89	14.914	
6,300.0	6,123.2	6,123.1	6,121.2	28.9	11.2	40.08	-1,008.1	-77.2	489.9	457.0	32.87	14.904	
6,350.0	6,173.0	6,173.1	6,171.2	28.9	11.3	40.59	-1,007.9	-77.0	486.8	454.1	32.70	14.887	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Arellano T-10-9HN
Project:	SEC.10-T5N-R65W	**TVD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Reference Site:	Arellano 10-L Pad Sec.10-T5N-R65W	**MD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Arellano T-10-9HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (3-19-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Existing Wells Sec.10-T5N-65W - Turner 44-10 (Exist.) - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 ft

Survey Program: 100-NS-GYRO-MS

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
6,400.0	6,222.4	6,222.7	6,220.9	28.9	11.4	41.52	-1,007.7	-76.9	481.0	448.6	32.34	14.871	
6,450.0	6,271.1	6,271.8	6,270.0	28.9	11.5	42.90	-1,007.5	-76.7	472.7	440.9	31.82	14.853	
6,500.0	6,319.0	6,319.4	6,317.5	28.9	11.6	44.76	-1,007.2	-76.3	462.0	430.8	31.16	14.827	
6,550.0	6,365.7	6,365.2	6,363.3	28.9	11.7	47.09	-1,006.8	-76.0	449.3	418.9	30.40	14.780	
6,600.0	6,411.1	6,409.8	6,407.9	28.9	11.8	49.94	-1,006.4	-75.8	434.8	405.2	29.60	14.691	
6,650.0	6,454.9	6,453.3	6,451.4	28.9	11.9	53.37	-1,006.0	-75.7	418.9	390.1	28.83	14.529	
6,700.0	6,497.0	6,495.1	6,493.2	28.9	12.0	57.36	-1,005.6	-75.6	402.0	373.8	28.21	14.248	
6,750.0	6,537.0	6,535.0	6,533.1	28.9	12.1	61.88	-1,005.3	-75.5	384.6	356.8	27.84	13.815	
6,800.0	6,574.8	6,572.9	6,571.0	28.9	12.2	66.83	-1,005.0	-75.5	367.5	339.7	27.80	13.220	
6,850.0	6,610.3	6,608.3	6,606.4	28.9	12.3	72.04	-1,004.7	-75.4	351.5	323.4	28.09	12.512	
6,900.0	6,643.2	6,640.8	6,638.9	28.9	12.3	77.26	-1,004.4	-75.4	337.6	308.9	28.65	11.785	
6,950.0	6,673.5	6,670.7	6,668.8	28.9	12.4	82.26	-1,004.1	-75.4	327.0	297.7	29.34	11.144	
7,000.0	6,700.8	6,697.8	6,695.9	28.9	12.4	86.79	-1,003.8	-75.4	320.8	290.8	30.07	10.671	
7,031.1	6,716.4	6,713.2	6,711.3	28.9	12.5	89.26	-1,003.7	-75.4	319.7	289.2	30.51	10.480	CC, ES
7,050.0	6,725.2	6,721.9	6,720.0	28.9	12.5	90.61	-1,003.6	-75.4	320.1	289.4	30.75	10.412	
7,100.0	6,746.5	6,743.0	6,741.1	28.9	12.5	93.57	-1,003.3	-75.4	325.6	294.2	31.38	10.377	SF
7,150.0	6,764.6	6,760.9	6,758.9	28.9	12.6	95.55	-1,003.1	-75.4	337.5	305.5	32.00	10.548	
7,200.0	6,779.4	6,775.5	6,773.6	29.0	12.6	96.46	-1,002.9	-75.4	355.7	323.0	32.65	10.893	
7,250.0	6,790.8	6,786.8	6,784.9	29.1	12.6	96.24	-1,002.7	-75.4	379.5	346.1	33.37	11.370	
7,300.0	6,798.8	6,794.7	6,792.8	29.2	12.6	94.84	-1,002.6	-75.4	408.1	373.9	34.15	11.949	
7,350.0	6,803.3	6,799.2	6,797.3	29.4	12.6	92.20	-1,002.6	-75.4	440.7	405.7	34.92	12.618	
7,392.7	6,804.5	6,800.3	6,798.4	29.5	12.6	88.96	-1,002.6	-75.4	470.9	435.5	35.48	13.275	
7,400.0	6,804.4	6,800.3	6,798.4	29.6	12.6	88.95	-1,002.6	-75.4	476.3	440.7	35.61	13.377	
7,500.0	6,804.1	6,800.0	6,798.1	30.2	12.6	88.90	-1,002.6	-75.4	554.3	516.8	37.51	14.780	
7,600.0	6,803.7	6,799.6	6,797.6	31.2	12.6	88.82	-1,002.6	-75.4	638.5	599.0	39.56	16.141	
7,700.0	6,803.3	6,799.2	6,797.3	32.7	12.6	88.76	-1,002.6	-75.4	726.7	685.0	41.74	17.410	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Arellano T-10-9HN
Project:	SEC.10-T5N-R65W	**TVD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Reference Site:	Arellano 10-L Pad Sec.10-T5N-R65W	**MD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Arellano T-10-9HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (3-19-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Geist CSE-9 Pad Sec.9-T5N-R65W - Olin HA #34-9 (Exist.) - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 ft

Survey Program: 495- **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
13,000.0	6,783.9	8,287.0	7,126.5	173.5	27.5	142.02	-1,108.3	-6,690.8	782.9	649.7	133.23	5.876	
13,100.0	6,783.5	8,287.0	7,126.5	176.2	27.5	142.02	-1,108.3	-6,690.8	700.3	565.2	135.04	5.186	
13,200.0	6,783.2	8,287.0	7,126.5	179.0	27.5	142.02	-1,108.3	-6,690.8	622.8	485.9	136.84	4.551	
13,300.0	6,782.8	8,287.0	7,126.5	181.8	27.5	142.02	-1,108.3	-6,690.8	552.5	413.9	138.64	3.985	
13,400.0	6,782.4	8,287.0	7,126.5	184.6	27.5	142.02	-1,108.3	-6,690.8	492.7	352.2	140.45	3.508	
13,500.0	6,782.1	8,287.0	7,126.5	187.4	27.5	142.02	-1,108.3	-6,690.8	447.4	305.2	142.26	3.145	
13,600.0	6,781.7	8,250.0	7,102.9	190.2	27.3	137.88	-1,089.2	-6,711.9	419.6	265.8	153.84	2.727	
13,700.0	6,781.3	8,202.7	7,073.5	193.0	27.0	132.50	-1,064.2	-6,739.4	408.2	240.4	167.82	2.433	
13,716.0	6,781.3	8,194.5	7,068.5	193.4	26.9	131.58	-1,059.9	-6,744.2	408.0	237.9	170.12	2.398	CC
13,800.0	6,781.0	8,151.0	7,042.4	195.8	26.6	126.67	-1,036.5	-6,770.0	414.0	232.2	181.81	2.277	ES
13,900.0	6,780.6	8,098.6	7,011.9	198.6	26.2	120.94	-1,007.9	-6,801.5	435.7	241.4	194.36	2.242	SF
14,000.0	6,780.2	8,045.3	6,981.9	201.4	25.9	115.45	-978.1	-6,834.0	471.2	266.0	205.13	2.297	
14,064.2	6,780.0	8,002.5	6,958.4	203.1	25.5	111.36	-954.0	-6,860.5	499.4	287.4	211.94	2.356	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Arellano T-10-9HN
Project:	SEC.10-T5N-R65W	**TVD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Reference Site:	Arellano 10-L Pad Sec.10-T5N-R65W	**MD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Arellano T-10-9HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (3-19-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Kuettel 14-10-16 Pad Sec.10-T5N-R65W - Kuettel #44-9 (Exist.) - Wellbore #1 - Wellbore #1 — **Offset Site Error:** 0.0 ft

Survey Program: 625- — **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
11,800.0	6,788.3	7,017.9	6,772.8	140.1	32.8	84.07	-1,042.6	-5,468.8	715.3	544.1	171.26	4.177	
11,900.0	6,787.9	7,022.8	6,777.6	142.9	32.9	84.95	-1,042.6	-5,469.0	627.1	452.8	174.32	3.598	
12,000.0	6,787.6	7,027.5	6,782.4	145.6	32.9	85.80	-1,042.6	-5,469.3	543.1	365.7	177.34	3.062	
12,100.0	6,787.2	7,032.1	6,787.0	148.4	32.9	86.64	-1,042.5	-5,469.5	465.3	284.9	180.32	2.580	
12,200.0	6,786.8	7,036.6	6,791.4	151.2	32.9	87.44	-1,042.5	-5,469.7	397.5	214.2	183.27	2.169	
12,300.0	6,786.5	7,040.9	6,795.7	154.0	32.9	88.23	-1,042.4	-5,469.9	345.6	159.5	186.19	1.856	
12,400.0	6,786.1	7,045.1	6,799.9	156.8	32.9	88.99	-1,042.4	-5,470.1	317.7	128.6	189.07	1.680	
12,443.0	6,785.9	7,046.9	6,801.7	157.9	32.9	89.31	-1,042.4	-5,470.2	314.7	124.4	190.30	1.654	CC, ES, SF
12,500.0	6,785.7	7,049.2	6,804.0	159.5	32.9	89.73	-1,042.4	-5,470.3	319.9	127.9	191.92	1.667	
12,600.0	6,785.4	7,053.1	6,807.9	162.3	32.9	90.45	-1,042.3	-5,470.5	351.7	156.9	194.75	1.806	
12,700.0	6,785.0	7,057.0	6,811.8	165.1	32.9	91.15	-1,042.3	-5,470.7	406.2	208.7	197.54	2.056	
12,800.0	6,784.6	7,060.7	6,815.5	167.9	32.9	91.83	-1,042.2	-5,470.9	475.7	275.4	200.31	2.375	
12,900.0	6,784.3	7,064.3	6,819.1	170.7	32.9	92.49	-1,042.1	-5,471.0	554.6	351.6	203.06	2.731	
13,000.0	6,783.9	7,067.9	6,822.7	173.5	32.9	93.13	-1,042.1	-5,471.2	639.4	433.6	205.77	3.107	
13,100.0	6,783.5	7,071.3	6,826.1	176.2	32.9	93.75	-1,042.0	-5,471.3	728.0	519.6	208.47	3.492	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Arellano T-10-9HN
Project:	SEC.10-T5N-R65W	**TVD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Reference Site:	Arellano 10-L Pad Sec.10-T5N-R65W	**MD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Arellano T-10-9HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (3-19-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Kuettel 14-10-16 Pad Sec.10-T5N-R65W - Kuettel 14-10-24 (Exist.) - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 ft

Survey Program: 552- **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
9,800.0	6,795.6	6,870.7	6,830.6	85.0	16.0	-100.17	-1,447.3	-3,592.5	774.6	677.5	97.15	7.973	
9,900.0	6,795.3	6,868.2	6,828.1	87.7	16.0	-98.80	-1,447.2	-3,592.5	675.7	575.4	100.30	6.737	
10,000.0	6,794.9	6,865.7	6,825.6	90.4	16.0	-97.44	-1,447.2	-3,592.6	577.0	473.6	103.41	5.580	
10,100.0	6,794.5	6,863.2	6,823.1	93.2	16.0	-96.07	-1,447.2	-3,592.6	478.9	372.5	106.49	4.497	
10,200.0	6,794.2	6,860.8	6,820.7	95.9	16.0	-94.71	-1,447.2	-3,592.7	381.9	272.3	109.53	3.486	
10,300.0	6,793.8	6,858.4	6,818.3	98.7	16.0	-93.36	-1,447.2	-3,592.7	286.7	174.2	112.53	2.548	
10,400.0	6,793.4	6,856.0	6,815.9	101.4	16.0	-92.01	-1,447.2	-3,592.8	196.5	81.0	115.48	1.702	
10,500.0	6,793.1	6,853.6	6,813.5	104.1	16.0	-90.68	-1,447.2	-3,592.8	122.5	4.1	118.38	1.035	Level 2
10,568.1	6,792.8	6,852.0	6,811.9	106.0	16.0	-89.77	-1,447.2	-3,592.8	101.8	-18.5	120.32	0.846	Level 1, CC, ES, SF
10,600.0	6,792.7	6,851.2	6,811.2	106.9	16.0	-89.35	-1,447.2	-3,592.8	106.7	-14.5	121.22	0.880	Level 1
10,700.0	6,792.3	6,848.9	6,808.8	109.6	16.0	-88.04	-1,447.2	-3,592.9	166.6	42.6	124.00	1.343	Level 3
10,800.0	6,792.0	6,846.6	6,806.5	112.4	16.0	-86.74	-1,447.2	-3,592.9	253.2	126.5	126.73	1.998	
10,900.0	6,791.6	6,844.3	6,804.2	115.2	16.0	-85.45	-1,447.2	-3,593.0	347.1	217.7	129.39	2.682	
11,000.0	6,791.2	6,842.0	6,801.9	117.9	16.0	-84.18	-1,447.2	-3,593.0	443.6	311.6	131.99	3.361	
11,100.0	6,790.9	6,839.7	6,799.7	120.7	16.0	-82.93	-1,447.1	-3,593.1	541.4	406.9	134.52	4.025	
11,200.0	6,790.5	6,837.5	6,797.4	123.5	16.0	-81.69	-1,447.1	-3,593.1	639.9	502.9	136.98	4.671	
11,300.0	6,790.1	6,835.3	6,795.2	126.2	16.0	-80.47	-1,447.1	-3,593.2	738.7	599.3	139.38	5.300	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Arellano T-10-9HN
Project:	SEC.10-T5N-R65W	**TVD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Reference Site:	Arellano 10-L Pad Sec.10-T5N-R65W	**MD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Arellano T-10-9HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (3-19-15)	**Offset TVD Reference:**	Offset Datum

Offset Design Kuettel 14-10-16 Pad Sec.10-T5N-R65W - Kuettel 14-10-25 (Exist.) - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 ft

Survey Program: 96- **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
11,000.0	6,791.2	6,969.5	6,826.0	117.9	22.9	-101.82	-1,439.8	-4,809.9	790.1	654.0	136.05	5.807	
11,100.0	6,790.9	6,967.1	6,823.6	120.7	22.9	-100.30	-1,439.8	-4,809.9	690.8	551.3	139.51	4.951	
11,200.0	6,790.5	6,964.7	6,821.3	123.5	22.9	-98.78	-1,439.8	-4,810.0	591.7	448.8	142.92	4.140	
11,300.0	6,790.1	6,962.3	6,818.9	126.2	22.9	-97.24	-1,439.8	-4,810.0	493.0	346.8	146.26	3.371	
11,400.0	6,789.8	6,959.9	6,816.5	129.0	22.9	-95.69	-1,439.8	-4,810.1	395.0	245.5	149.52	2.642	
11,500.0	6,789.4	6,957.6	6,814.1	131.8	22.9	-94.14	-1,439.7	-4,810.1	298.3	145.6	152.70	1.954	
11,600.0	6,789.0	6,955.2	6,811.8	134.5	22.9	-92.59	-1,439.7	-4,810.2	204.7	48.9	155.79	1.314	Level 3
11,700.0	6,788.7	6,952.9	6,809.4	137.3	22.9	-91.04	-1,439.7	-4,810.2	121.8	-37.0	158.78	0.767	Level 1
11,785.5	6,788.4	6,950.9	6,807.4	139.7	22.9	-89.72	-1,439.7	-4,810.3	86.7	-74.5	161.25	0.538	Level 1, CC, ES, SF
11,800.0	6,788.3	6,950.5	6,807.1	140.1	22.9	-89.49	-1,439.7	-4,810.3	87.9	-73.7	161.66	0.544	Level 1
11,900.0	6,787.9	6,948.2	6,804.7	142.9	22.9	-87.95	-1,439.7	-4,810.3	143.6	-20.8	164.44	0.873	Level 1
12,000.0	6,787.6	6,945.9	6,802.4	145.6	22.9	-86.41	-1,439.7	-4,810.4	231.3	64.2	167.11	1.384	Level 3
12,100.0	6,787.2	6,943.5	6,800.1	148.4	22.9	-84.89	-1,439.7	-4,810.4	326.2	156.5	169.66	1.922	
12,200.0	6,786.8	6,941.2	6,797.8	151.2	22.9	-83.37	-1,439.7	-4,810.4	423.4	251.3	172.09	2.460	
12,300.0	6,786.5	6,938.9	6,795.5	154.0	22.9	-81.87	-1,439.7	-4,810.5	521.6	347.2	174.40	2.991	
12,400.0	6,786.1	6,936.6	6,793.2	156.8	22.9	-80.38	-1,439.6	-4,810.5	620.4	443.8	176.58	3.514	
12,500.0	6,785.7	6,934.3	6,790.9	159.5	22.9	-78.91	-1,439.6	-4,810.6	719.6	540.9	178.64	4.028	

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Arellano T-10-9HN
Project:	SEC.10-T5N-R65W	**TVD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Reference Site:	Arellano 10-L Pad Sec.10-T5N-R65W	**MD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Arellano T-10-9HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (3-19-15)	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to WELL @ 4638.5ft (RKB -22.5')
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000 °

Coordinates are relative to: Arellano T-10-9HN
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.55°

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Arellano T-10-9HN
Project:	SEC.10-T5N-R65W	**TVD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Reference Site:	Arellano 10-L Pad Sec.10-T5N-R65W	**MD Reference:**	WELL @ 4638.5ft (RKB -22.5')
Site Error:	0.0ft	**North Reference:**	True
Reference Well:	Arellano T-10-9HN	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	Landmark
Reference Design:	Plan #2 (3-19-15)	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to WELL @ 4638.5ft (RKB -22.5')	Coordinates are relative to: Arellano T-10-9HN
Offset Depths are relative to Offset Datum	Coordinate System is US State Plane 1983, Colorado Northern Zone
Central Meridian is -105.500000 °	Grid Convergence at Surface is: 0.55°