Bayswater Exploration & Production, LLC

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

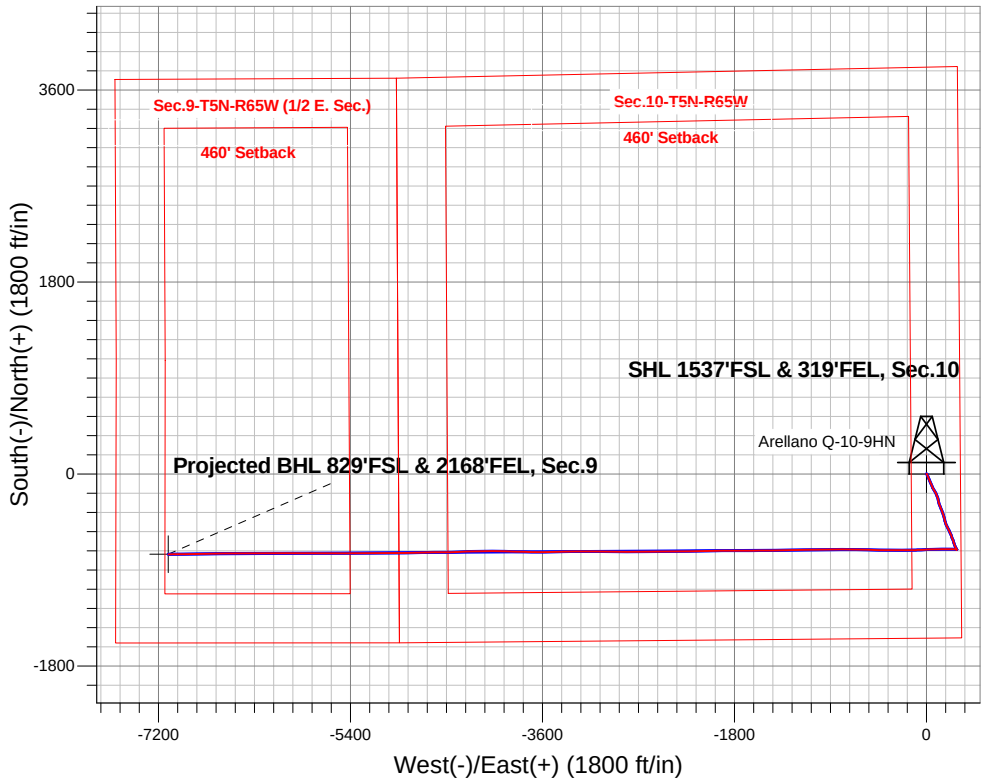
Surface Location: Arellano 10-L Pad Sec.10-T5N-R65W
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone
Ground Elevation: 4616.0

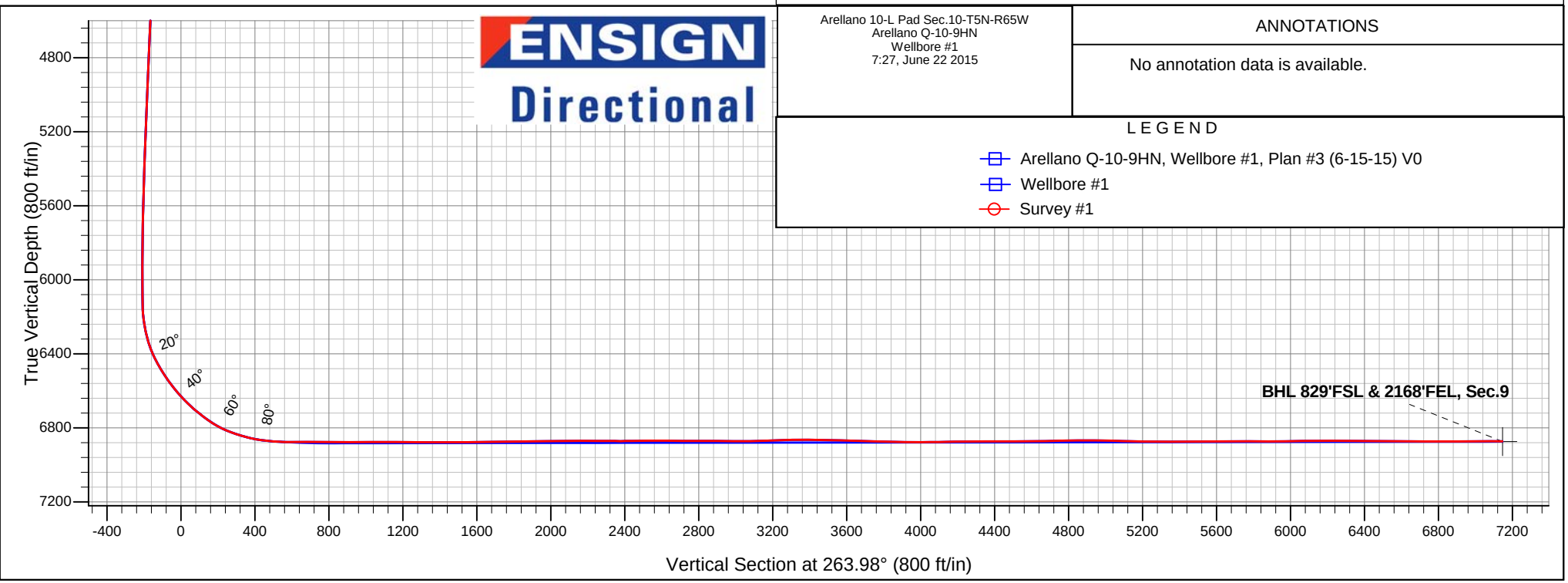
+N/-S	+E/-W	Northing	Easting	Latittude	Longitude	Slot
0.0	0.0	1393657.28	3239150.88	40.410812	-104.641171	

RKB - 22.5' WELL @ 4638.5ft (RKB - 22.5')

FINAL SURVEY

Projected Bottom Hole Location
14001'MD 6873'TVD 751'S & 7106'W of SHL
89.7 degree Incl @ 269.3 degree AZM





Arellano 10-L Pad Sec.10-T5N-R65W
Arellano Q-10-9HN
Wellbore #1
7:27, June 22 2015

ANNOTATIONS

No annotation data is available.

LEGEND

- Arellano Q-10-9HN, Wellbore #1, Plan #3 (6-15-15) V0
- Wellbore #1
- Survey #1

ENSIGN Directional

Bayswater Exploration & Production, LLC

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

Wellbore #1

Survey: Survey #1

Standard Survey Report

08 July, 2015

BAYSWATER EXPLORATION & PRODUCTION, LLC

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Arellano Q-10-9HN
Project:	SEC.10-T5N-R65W	**TVD Reference:**	WELL @ 4638.5ft (RKB - 22.5')
Site:	Arellano 10-L Pad Sec.10-T5N-R65W	**MD Reference:**	WELL @ 4638.5ft (RKB - 22.5')
Well:	Arellano Q-10-9HN	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	EDMNEW

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 Q-10-9HN

Well Position	**+N/-S**	0.0 ft	**Northing:**	1,393,657.28 ft	**Latitude:**	40.410812
	+E/-W	0.0 ft	**Easting:**	3,239,150.88 ft	**Longitude:**	-104.641171
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	6/20/2015	8.26	66.94	52,729

Design Wellbore #1

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	263.98

Survey Program **Date** 6/22/2015

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
223.0	14,001.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard

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	76.80	1.0	0.0	0.0	0.0	0.18	0.18	0.00
SHL 1537'FSL & 319'FEL, Sec.10									
223.0	0.40	76.80	223.0	0.2	0.8	-0.8	0.18	0.18	0.00
315.0	0.40	29.60	315.0	0.5	1.2	-1.3	0.35	0.00	-51.30
407.0	0.10	61.00	407.0	0.8	1.5	-1.5	0.35	-0.33	34.13
499.0	0.30	52.10	499.0	1.0	1.7	-1.8	0.22	0.22	-9.67
591.0	0.30	38.20	591.0	1.4	2.1	-2.2	0.08	0.00	-15.11
683.0	0.50	29.40	683.0	1.9	2.4	-2.6	0.23	0.22	-9.57
745.0	0.40	44.90	745.0	2.3	2.7	-2.9	0.25	-0.16	25.00
831.0	0.70	39.60	831.0	2.9	3.2	-3.5	0.35	0.35	-6.16
926.0	2.50	151.90	926.0	1.5	4.6	-4.7	2.99	1.89	118.21
1,021.0	4.00	155.60	1,020.8	-3.3	6.9	-6.5	1.59	1.58	3.89

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Arellano Q-10-9HN
Project:	SEC.10-T5N-R65W	**TVD Reference:**	WELL @ 4638.5ft (RKB - 22.5')
Site:	Arellano 10-L Pad Sec.10-T5N-R65W	**MD Reference:**	WELL @ 4638.5ft (RKB - 22.5')
Well:	Arellano Q-10-9HN	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	EDMNEW

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)
1,117.0	5.10	160.20	1,116.5	-10.4	9.8	-8.6	1.21	1.15	4.79
1,209.0	6.60	157.00	1,208.0	-19.1	13.2	-11.1	1.67	1.63	-3.48
1,301.0	7.40	162.30	1,299.3	-29.6	17.1	-13.9	1.12	0.87	5.76
1,393.0	8.50	158.60	1,390.4	-41.6	21.4	-16.9	1.32	1.20	-4.02
1,485.0	8.70	154.50	1,481.4	-54.2	26.8	-21.0	0.70	0.22	-4.46
1,577.0	9.10	154.90	1,572.3	-67.1	32.9	-25.7	0.44	0.43	0.43
1,669.0	9.40	158.40	1,663.1	-80.6	38.8	-30.1	0.69	0.33	3.80
1,761.0	7.80	150.10	1,754.1	-93.0	44.6	-34.6	2.20	-1.74	-9.02
1,853.0	9.40	158.60	1,845.0	-105.4	50.5	-39.2	2.22	1.74	9.24
1,946.0	9.50	160.30	1,936.8	-119.7	55.9	-43.0	0.32	0.11	1.83
2,038.0	10.30	154.40	2,027.4	-134.3	62.0	-47.5	1.40	0.87	-6.41
2,130.0	9.20	147.50	2,118.1	-147.9	69.5	-53.6	1.74	-1.20	-7.50
2,222.0	9.90	146.30	2,208.8	-160.7	77.8	-60.5	0.79	0.76	-1.30
2,314.0	9.80	152.40	2,299.5	-174.2	85.8	-67.1	1.14	-0.11	6.63
2,406.0	9.80	151.40	2,390.1	-188.0	93.2	-73.0	0.19	0.00	-1.09
2,498.0	8.00	160.70	2,481.0	-200.9	99.1	-77.4	2.50	-1.96	10.11
2,593.0	8.70	158.60	2,575.0	-213.9	103.9	-80.9	0.80	0.74	-2.21
2,689.0	9.00	168.60	2,669.9	-228.0	108.0	-83.5	1.63	0.31	10.42
2,784.0	10.90	171.40	2,763.4	-244.2	110.8	-84.6	2.06	2.00	2.95
2,879.0	8.80	166.50	2,857.0	-260.1	113.9	-85.9	2.38	-2.21	-5.16
2,974.0	9.60	163.20	2,950.8	-274.8	117.8	-88.4	1.01	0.84	-3.47
3,069.0	10.60	159.10	3,044.3	-290.5	123.3	-92.1	1.30	1.05	-4.32
3,164.0	9.90	157.00	3,137.8	-306.2	129.6	-96.7	0.84	-0.74	-2.21
3,260.0	10.60	155.10	3,232.3	-321.8	136.5	-102.0	0.81	0.73	-1.98
3,355.0	10.10	158.10	3,325.7	-337.5	143.3	-107.1	0.77	-0.53	3.16
3,450.0	9.80	161.90	3,419.3	-352.9	148.9	-111.1	0.76	-0.32	4.00
3,545.0	9.80	162.30	3,512.9	-368.3	153.9	-114.4	0.07	0.00	0.42
3,640.0	10.60	160.50	3,606.4	-384.2	159.3	-118.1	0.91	0.84	-1.89
3,735.0	11.90	165.80	3,699.6	-401.9	164.6	-121.5	1.75	1.37	5.58
3,831.0	12.00	166.10	3,793.5	-421.2	169.4	-124.3	0.12	0.10	0.31
3,926.0	12.10	166.30	3,886.4	-440.5	174.1	-126.9	0.11	0.11	0.21
4,021.0	11.20	162.10	3,979.5	-458.9	179.3	-130.2	1.30	-0.95	-4.42
4,116.0	9.90	156.50	4,072.9	-475.2	185.4	-134.5	1.74	-1.37	-5.89
4,211.0	9.60	154.70	4,166.5	-489.8	192.1	-139.6	0.45	-0.32	-1.89
4,307.0	9.00	150.00	4,261.2	-503.6	199.2	-145.3	1.01	-0.63	-4.90
4,402.0	9.80	151.60	4,354.9	-517.1	206.8	-151.4	0.89	0.84	1.68
4,497.0	9.40	157.00	4,448.6	-531.4	213.7	-156.7	1.04	-0.42	5.68
4,592.0	9.80	156.60	4,542.3	-545.9	219.9	-161.4	0.43	0.42	-0.42
4,687.0	9.10	153.00	4,636.0	-560.1	226.5	-166.5	0.96	-0.74	-3.79
4,782.0	9.30	161.70	4,729.8	-574.0	232.4	-170.8	1.48	0.21	9.16
4,878.0	9.90	159.50	4,824.4	-589.1	237.7	-174.5	0.73	0.63	-2.29
4,973.0	10.90	158.80	4,917.9	-605.2	243.8	-178.9	1.06	1.05	-0.74
5,068.0	9.10	155.80	5,011.4	-620.4	250.1	-183.6	1.97	-1.89	-3.16
5,163.0	8.80	167.40	5,105.3	-634.3	254.8	-186.8	1.92	-0.32	12.21
5,258.0	9.50	158.20	5,199.1	-648.7	259.3	-189.8	1.70	0.74	-9.68
5,353.0	8.90	163.20	5,292.9	-663.0	264.3	-193.3	1.05	-0.63	5.26
5,448.0	7.40	154.90	5,386.9	-675.6	269.0	-196.7	2.00	-1.58	-8.74
5,543.0	6.20	156.80	5,481.2	-685.9	273.7	-200.2	1.28	-1.26	2.00
5,638.0	4.70	153.10	5,575.8	-694.0	277.4	-203.1	1.62	-1.58	-3.89
5,733.0	3.00	161.20	5,670.6	-699.9	280.0	-205.0	1.87	-1.79	8.53
5,829.0	2.00	146.80	5,766.5	-703.6	281.7	-206.3	1.22	-1.04	-15.00
5,924.0	1.70	143.50	5,861.4	-706.2	283.5	-207.8	0.33	-0.32	-3.47
6,019.0	0.20	276.40	5,956.4	-707.3	284.1	-208.3	1.94	-1.58	139.90
6,114.0	0.40	267.00	6,051.4	-707.3	283.6	-207.9	0.22	0.21	-9.89

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Project:	SEC.10-T5N-R65W	**TVD Reference:**	WELL @ 4638.5ft (RKB - 22.5')
Site:	Arellano 10-L Pad Sec.10-T5N-R65W	**MD Reference:**	WELL @ 4638.5ft (RKB - 22.5')
Well:	Arellano Q-10-9HN	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	EDMNEW

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)
6,162.0	0.60	299.00	6,099.4	-707.2	283.3	-207.5	0.70	0.42	66.67
6,209.0	1.40	273.20	6,146.4	-707.0	282.5	-206.7	1.91	1.70	-54.89
6,257.0	5.90	277.90	6,194.3	-706.6	279.4	-203.7	9.39	9.38	9.79
6,304.0	9.90	280.20	6,240.8	-705.6	273.1	-197.5	8.54	8.51	4.89
6,352.0	12.70	278.50	6,287.9	-704.1	263.8	-188.4	5.87	5.83	-3.54
6,399.0	16.80	271.40	6,333.4	-703.2	251.9	-176.7	9.52	8.72	-15.11
6,447.0	21.70	269.70	6,378.7	-703.0	236.1	-161.0	10.27	10.21	-3.54
6,494.0	26.00	270.20	6,421.6	-703.0	217.1	-142.1	9.16	9.15	1.06
6,542.0	29.50	269.90	6,464.1	-703.0	194.7	-119.9	7.30	7.29	-0.63
6,589.0	33.10	269.70	6,504.3	-703.1	170.3	-95.6	7.66	7.66	-0.43
6,637.0	35.70	269.50	6,543.9	-703.3	143.2	-68.6	5.42	5.42	-0.42
6,685.0	37.60	268.80	6,582.4	-703.7	114.5	-40.1	4.05	3.96	-1.46
6,733.0	41.70	269.50	6,619.3	-704.2	83.9	-9.6	8.59	8.54	1.46
6,780.0	44.50	268.40	6,653.6	-704.8	51.8	22.4	6.17	5.96	-2.34
6,828.0	48.10	266.90	6,686.8	-706.2	17.2	57.1	7.83	7.50	-3.13
6,875.0	51.20	266.50	6,717.2	-708.3	-18.6	92.8	6.63	6.60	-0.85
6,923.0	53.20	267.60	6,746.6	-710.2	-56.5	130.7	4.54	4.17	2.29
6,971.0	57.00	268.60	6,774.1	-711.5	-95.8	170.0	8.10	7.92	2.08
7,019.0	62.80	269.70	6,798.2	-712.1	-137.3	211.3	12.24	12.08	2.29
7,066.0	68.20	270.00	6,817.6	-712.2	-180.1	253.8	11.50	11.49	0.64
7,114.0	72.10	270.60	6,833.9	-712.0	-225.2	298.7	8.21	8.13	1.25
7,161.0	74.10	269.90	6,847.6	-711.8	-270.2	343.4	4.49	4.26	-1.49
7,209.0	78.30	269.30	6,859.1	-712.1	-316.8	389.8	8.83	8.75	-1.25
7,257.0	82.60	269.30	6,867.0	-712.7	-364.1	436.9	8.96	8.96	0.00
7,305.0	84.70	270.60	6,872.3	-712.7	-411.8	484.3	5.14	4.38	2.71
7,387.0	88.70	271.80	6,877.0	-711.0	-493.6	565.5	5.09	4.88	1.46
7,433.0	90.70	272.30	6,877.3	-709.4	-539.6	611.1	4.48	4.35	1.09
7,483.0	90.50	272.10	6,876.8	-707.5	-589.6	660.5	0.57	-0.40	-0.40
7,527.0	89.80	270.30	6,876.6	-706.5	-633.5	704.2	4.39	-1.59	-4.09
7,621.0	89.60	270.00	6,877.1	-706.3	-727.5	797.6	0.38	-0.21	-0.32
7,712.0	89.40	270.20	6,877.9	-706.1	-818.5	888.1	0.31	-0.22	0.22
7,804.0	91.10	270.20	6,877.5	-705.8	-910.5	979.6	1.85	1.85	0.00
7,896.0	89.80	269.10	6,876.8	-706.4	-1,002.5	1,071.1	1.85	-1.41	-1.20
7,988.0	89.50	268.40	6,877.4	-708.4	-1,094.5	1,162.8	0.83	-0.33	-0.76
8,079.0	89.30	268.20	6,878.3	-711.1	-1,185.5	1,253.5	0.31	-0.22	-0.22
8,171.0	89.70	268.90	6,879.1	-713.4	-1,277.4	1,345.2	0.88	0.43	0.76
8,263.0	90.60	269.50	6,878.9	-714.7	-1,369.4	1,436.9	1.18	0.98	0.65
8,354.0	90.80	269.50	6,877.8	-715.5	-1,460.4	1,527.4	0.22	0.22	0.00
8,444.0	90.50	268.90	6,876.8	-716.7	-1,550.4	1,617.0	0.75	-0.33	-0.67
8,535.0	90.10	269.50	6,876.3	-718.0	-1,641.4	1,707.7	0.79	-0.44	0.66
8,627.0	90.90	270.00	6,875.5	-718.4	-1,733.4	1,799.2	1.03	0.87	0.54
8,719.0	91.20	270.00	6,873.8	-718.4	-1,825.4	1,890.7	0.33	0.33	0.00
8,811.0	91.00	269.80	6,872.0	-718.6	-1,917.3	1,982.2	0.31	-0.22	-0.22
8,903.0	90.00	269.50	6,871.2	-719.1	-2,009.3	2,073.7	1.13	-1.09	-0.33
8,994.0	90.10	269.30	6,871.1	-720.1	-2,100.3	2,164.3	0.25	0.11	-0.22
9,085.0	89.70	268.80	6,871.3	-721.6	-2,191.3	2,254.9	0.70	-0.44	-0.55
9,177.0	89.50	267.90	6,871.9	-724.3	-2,283.3	2,346.7	1.00	-0.22	-0.98
9,268.0	91.00	269.50	6,871.5	-726.3	-2,374.2	2,437.4	2.41	1.65	1.76
9,360.0	90.80	269.50	6,870.1	-727.1	-2,466.2	2,528.9	0.22	-0.22	0.00
9,452.0	88.90	270.00	6,870.3	-727.5	-2,558.2	2,620.4	2.14	-2.07	0.54
9,544.0	89.60	269.80	6,871.5	-727.7	-2,650.2	2,711.9	0.79	0.76	-0.22
9,636.0	90.00	270.20	6,871.9	-727.7	-2,742.2	2,803.4	0.61	0.43	0.43
9,728.0	90.00	270.30	6,871.9	-727.3	-2,834.2	2,894.9	0.11	0.00	0.11
9,820.0	89.50	269.80	6,872.3	-727.2	-2,926.2	2,986.4	0.77	-0.54	-0.54

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Well:	Arellano Q-10-9HN	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	EDMNEW

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)
9,912.0	90.70	270.70	6,872.1	-726.8	-3,018.2	3,077.8	1.63	1.30	0.98
10,003.0	92.30	271.10	6,869.7	-725.4	-3,109.2	3,168.1	1.81	1.76	0.44
10,095.0	91.80	270.00	6,866.4	-724.5	-3,201.1	3,259.4	1.31	-0.54	-1.20
10,188.0	90.20	269.30	6,864.8	-725.1	-3,294.1	3,352.0	1.88	-1.72	-0.75
10,280.0	89.00	268.80	6,865.4	-726.6	-3,386.1	3,443.6	1.41	-1.30	-0.54
10,374.0	88.70	268.40	6,867.3	-728.9	-3,480.0	3,537.3	0.53	-0.32	-0.43
10,468.0	88.00	269.80	6,870.0	-730.4	-3,574.0	3,630.9	1.66	-0.74	1.49
10,562.0	87.80	270.70	6,873.5	-729.9	-3,667.9	3,724.2	0.98	-0.21	0.96
10,657.0	89.50	271.20	6,875.7	-728.4	-3,762.8	3,818.5	1.87	1.79	0.53
10,751.0	89.20	271.60	6,876.8	-726.1	-3,856.8	3,911.7	0.53	-0.32	0.43
10,845.0	89.80	271.20	6,877.6	-723.8	-3,950.8	4,004.9	0.77	0.64	-0.43
10,940.0	91.00	271.10	6,876.9	-721.9	-4,045.8	4,099.2	1.27	1.26	-0.11
11,034.0	91.20	269.30	6,875.1	-721.5	-4,139.7	4,192.6	1.93	0.21	-1.91
11,128.0	90.00	268.40	6,874.2	-723.4	-4,233.7	4,286.3	1.60	-1.28	-0.96
11,223.0	89.90	267.70	6,874.2	-726.7	-4,328.7	4,381.0	0.74	-0.11	-0.74
11,317.0	90.00	267.40	6,874.3	-730.7	-4,422.6	4,474.8	0.34	0.11	-0.32
11,411.0	91.00	270.20	6,873.5	-732.6	-4,516.5	4,568.5	3.16	1.06	2.98
11,506.0	91.10	271.20	6,871.8	-731.5	-4,611.5	4,662.8	1.06	0.11	1.05
11,600.0	91.30	267.70	6,869.8	-732.4	-4,705.5	4,756.3	3.73	0.21	-3.72
11,694.0	90.60	267.90	6,868.2	-736.0	-4,799.4	4,850.1	0.77	-0.74	0.21
11,788.0	89.20	268.80	6,868.4	-738.7	-4,893.3	4,943.8	1.77	-1.49	0.96
11,882.0	88.50	268.90	6,870.3	-740.6	-4,987.3	5,037.5	0.75	-0.74	0.11
11,976.0	88.70	268.80	6,872.6	-742.5	-5,081.3	5,131.1	0.24	0.21	-0.11
12,071.0	88.70	270.50	6,874.7	-743.1	-5,176.2	5,225.6	1.79	0.00	1.79
12,166.0	90.20	270.30	6,875.7	-742.4	-5,271.2	5,320.0	1.59	1.58	-0.21
12,260.0	90.20	270.30	6,875.3	-741.9	-5,365.2	5,413.4	0.00	0.00	0.00
12,354.0	90.70	270.90	6,874.6	-740.9	-5,459.2	5,506.8	0.83	0.53	0.64
12,448.0	90.80	269.80	6,873.4	-740.3	-5,553.2	5,600.2	1.17	0.11	-1.17
12,542.0	89.20	269.60	6,873.4	-740.8	-5,647.2	5,693.8	1.72	-1.70	-0.21
12,636.0	90.00	270.00	6,874.0	-741.2	-5,741.2	5,787.3	0.95	0.85	0.43
12,730.0	90.30	270.20	6,873.8	-741.0	-5,835.2	5,880.7	0.38	0.32	0.21
12,824.0	90.70	270.20	6,872.9	-740.7	-5,929.2	5,974.2	0.43	0.43	0.00
12,918.0	90.60	270.30	6,871.9	-740.3	-6,023.2	6,067.6	0.15	-0.11	0.11
13,012.0	90.40	270.70	6,871.1	-739.4	-6,117.2	6,161.0	0.48	-0.21	0.43
13,106.0	90.10	269.10	6,870.6	-739.6	-6,211.2	6,254.5	1.73	-0.32	-1.70
13,200.0	89.00	267.40	6,871.4	-742.5	-6,305.1	6,348.2	2.15	-1.17	-1.81
13,294.0	89.70	269.80	6,872.5	-744.8	-6,399.1	6,441.9	2.66	0.74	2.55
13,388.0	90.60	270.50	6,872.2	-744.5	-6,493.1	6,535.3	1.21	0.96	0.74
13,482.0	89.00	269.30	6,872.5	-744.7	-6,587.1	6,628.8	2.13	-1.70	-1.28
13,576.0	89.40	268.90	6,873.8	-746.2	-6,681.0	6,722.5	0.60	0.43	-0.43
13,670.0	90.20	269.50	6,874.2	-747.5	-6,775.0	6,816.1	1.06	0.85	0.64
13,765.0	90.40	269.30	6,873.7	-748.5	-6,870.0	6,910.6	0.30	0.21	-0.21
13,859.0	90.50	269.30	6,872.9	-749.6	-6,964.0	7,004.2	0.11	0.11	0.00
13,946.0	89.70	269.30	6,872.8	-750.7	-7,051.0	7,090.9	0.92	-0.92	0.00
14,001.0	89.70	269.30	6,873.1	-751.4	-7,106.0	7,145.6	0.00	0.00	0.00
BHL 830'FSL & 2170'FEL, Sec.9									

Company:	Bayswater Exploration & Production, LLC	**Local Co-ordinate Reference:**	Well Arellano Q-10-9HN
Project:	SEC.10-T5N-R65W	**TVD Reference:**	WELL @ 4638.5ft (RKB - 22.5')
Site:	Arellano 10-L Pad Sec.10-T5N-R65W	**MD Reference:**	WELL @ 4638.5ft (RKB - 22.5')
Well:	Arellano Q-10-9HN	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	EDMNEW

Design 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 1537'FSL & 319'I - survey hits target center - Point	0.00	0.00	1.0	0.0	0.0	1,393,657.29	3,239,150.88	40.410812	-104.641171
BHL 830'FSL & 2170'I - survey misses target center by 3.3ft at 14001.0ft MD (6873.1 TVD, -751.4 N, -7106.0 E) - Point	0.00	0.00	6,875.1	-750.1	-7,108.4	1,392,838.32	3,232,050.15	40.408750	-104.666697

Checked By: _____ Approved By: _____ Date: _____