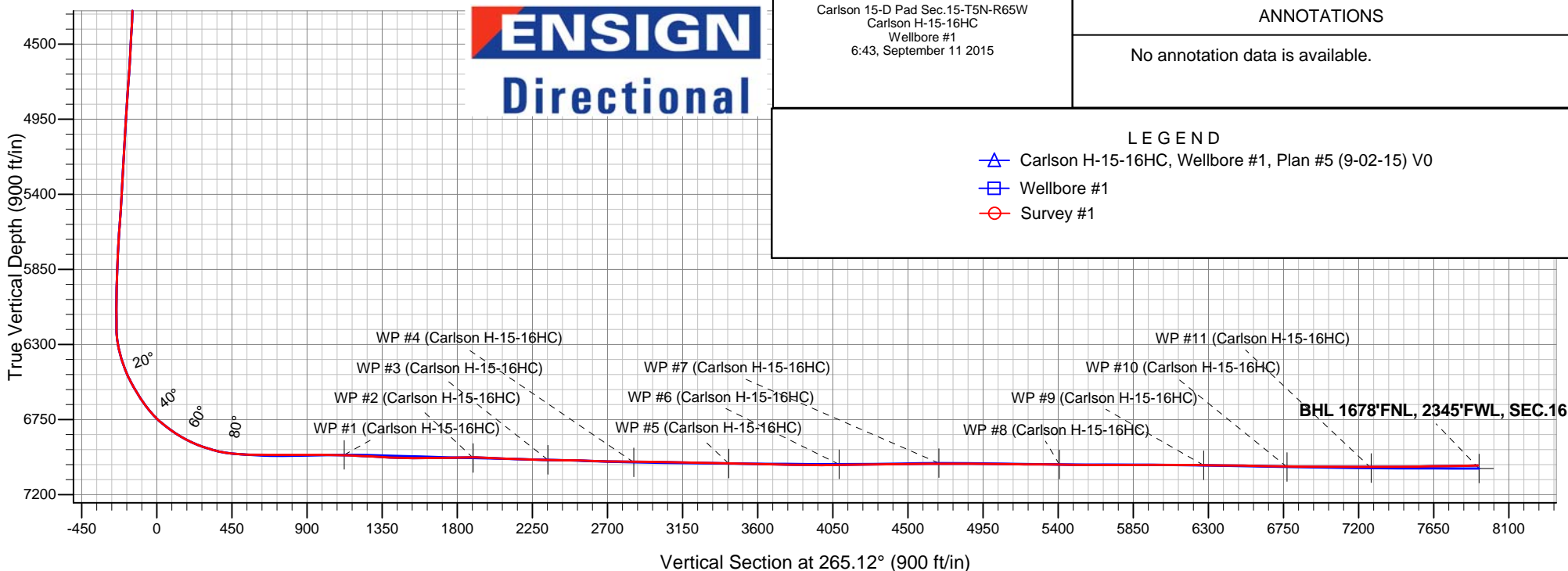
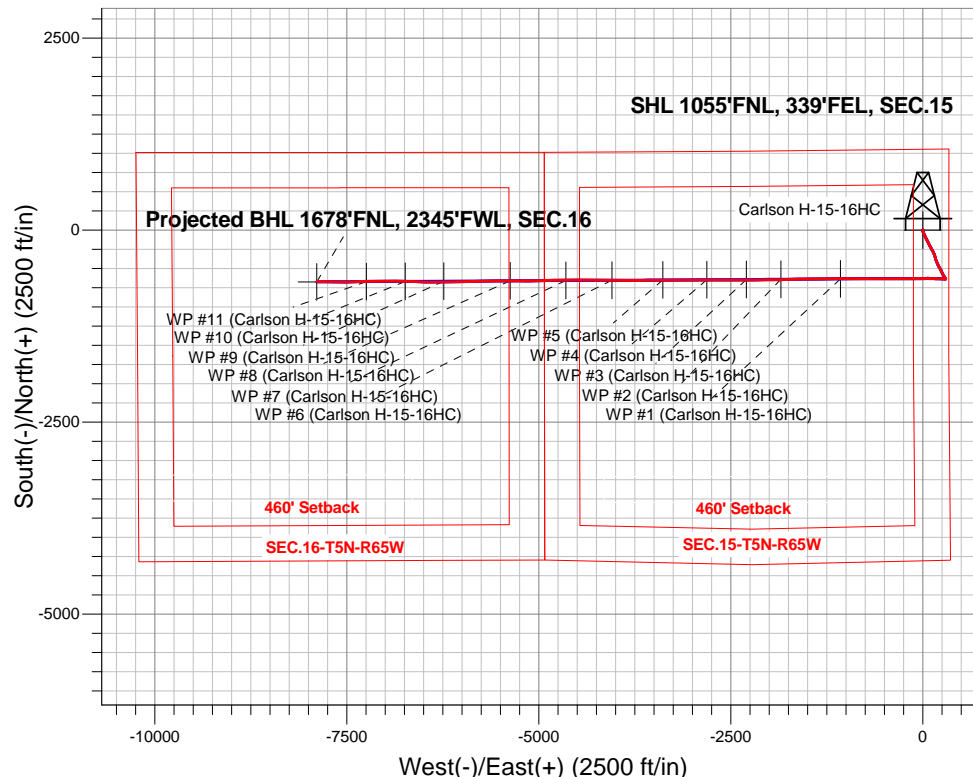


Well Name: **Carlson H-15-16HC**
 Surface Location: Carlson 15-D Pad Sec.15-T5N-R65W
 North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone
 Ground Elevation: 4621.0
 +N/-S +E/-W Northing Easting Latitude Longitude Slot
 0.0 0.0 1391065.38 3239172.09 40.403697 -104.641185
 RKB - 22.5' WELL @ 4643.5ft (RKB - 22.5')

Projected Bottom Hole Location
14861'MD 7025'TVD 667'W & 7887'W of SHL
91.19 degree Incl @ 271.24 degree AZM





Bayswater Exploration & Production, LLC

SEC.15-T5N-R65W

Carlson 15-D Pad Sec.15-T5N-R65W

Carlson H-15-16HC

Wellbore #1

Survey: Survey #1

Standard Survey Report

11 September, 2015



BAYSWATER
EXPLORATION & PRODUCTION, LLC

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Carlson H-15-16HC
Project:	SEC.15-T5N-R65W	TVD Reference:	WELL @ 4643.5ft (RKB - 22.5')
Site:	Carlson 15-D Pad Sec.15-T5N-R65W	MD Reference:	WELL @ 4643.5ft (RKB - 22.5')
Well:	Carlson H-15-16HC	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDMNEW

Project	SEC.15-T5N-R65W, Weld County, Colorado		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		Using Well Reference Point
Map Zone:	Colorado Northern Zone		Using geodetic scale factor

Site	Carlson 15-D Pad Sec.15-T5N-R65W				
Site Position:		Northing:	1,391,065.25 ft	Latitude:	40.403695
From:	Lat/Long	Easting:	3,239,231.97 ft	Longitude:	-104.640970
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.56 °

Well	Carlson H-15-16HC					
Well Position	+N/-S	0.0 ft	Northing:	1,391,065.38 ft	Latitude:	40.403697
	+E/-W	0.0 ft	Easting:	3,239,172.09 ft	Longitude:	-104.641185
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,621.0ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	9/2/2015	8.23	66.93	52,703

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	265.12	

Survey Program	Date	9/11/2015			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
160.0	14,861.0	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	128.50	1.0	0.0	0.0	0.0	0.50	0.50	0.00	
SHL 1055'FNL, 339'FEL, SEC.15										
160.0	0.80	128.50	160.0	-0.7	0.9	-0.8	0.50	0.50	0.00	
253.0	0.40	46.60	253.0	-0.9	1.6	-1.5	0.91	-0.43	-88.06	
345.0	0.60	330.60	345.0	-0.2	1.6	-1.6	0.69	0.22	-82.61	
437.0	0.60	318.70	437.0	0.5	1.1	-1.1	0.14	0.00	-12.93	
529.0	0.80	316.20	529.0	1.4	0.3	-0.4	0.22	0.22	-2.72	
621.0	1.00	323.30	621.0	2.5	-0.6	0.4	0.25	0.22	7.72	
713.0	0.70	284.10	713.0	3.3	-1.7	1.4	0.69	-0.33	-42.61	
795.0	0.50	177.20	795.0	3.0	-2.1	1.9	1.18	-0.24	-130.37	
926.0	1.50	181.40	925.9	0.7	-2.1	2.1	0.76	0.76	3.21	
1,021.0	1.80	178.10	1,020.9	-2.0	-2.1	2.3	0.33	0.32	-3.47	

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Carlson H-15-16HC
Project:	SEC.15-T5N-R65W	TVD Reference:	WELL @ 4643.5ft (RKB - 22.5')
Site:	Carlson 15-D Pad Sec.15-T5N-R65W	MD Reference:	WELL @ 4643.5ft (RKB - 22.5')
Well:	Carlson H-15-16HC	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)
1,116.0	2.60	177.00	1,115.8	-5.6	-2.0	2.4	0.84	0.84	-1.16
1,208.0	3.30	162.60	1,207.7	-10.2	-1.1	1.9	1.10	0.76	-15.65
1,301.0	4.40	155.00	1,300.5	-16.0	1.3	0.1	1.30	1.18	-8.17
1,393.0	5.40	158.70	1,392.2	-23.3	4.3	-2.3	1.14	1.09	4.02
1,485.0	6.70	159.40	1,483.6	-32.3	7.8	-5.0	1.42	1.41	0.76
1,577.0	7.80	156.60	1,574.9	-43.1	12.2	-8.4	1.26	1.20	-3.04
1,669.0	8.90	157.10	1,665.9	-55.4	17.4	-12.6	1.20	1.20	0.54
1,761.0	9.50	148.90	1,756.7	-68.4	24.1	-18.2	1.57	0.65	-8.91
1,854.0	8.40	154.70	1,848.6	-81.1	31.0	-23.9	1.53	-1.18	6.24
1,945.0	8.80	156.10	1,938.6	-93.5	36.6	-28.5	0.50	0.44	1.54
2,038.0	8.40	153.30	2,030.5	-106.1	42.6	-33.4	0.62	-0.43	-3.01
2,130.0	8.50	154.00	2,121.5	-118.2	48.6	-38.3	0.16	0.11	0.76
2,222.0	8.30	154.30	2,212.6	-130.3	54.4	-43.1	0.22	-0.22	0.33
2,314.0	8.10	158.40	2,303.6	-142.3	59.7	-47.4	0.67	-0.22	4.46
2,406.0	8.50	148.50	2,394.7	-154.1	65.6	-52.3	1.61	0.43	-10.76
2,498.0	8.40	150.10	2,485.7	-165.7	72.5	-58.2	0.28	-0.11	1.74
2,593.0	9.00	154.90	2,579.6	-178.5	79.1	-63.7	0.99	0.63	5.05
2,689.0	9.60	154.50	2,674.3	-192.5	85.8	-69.1	0.63	0.63	-0.42
2,784.0	9.70	155.20	2,768.0	-206.9	92.5	-74.6	0.16	0.11	0.74
2,879.0	8.90	149.10	2,861.7	-220.5	99.7	-80.5	1.34	-0.84	-6.42
2,974.0	9.90	149.60	2,955.4	-233.9	107.6	-87.3	1.06	1.05	0.53
3,070.0	9.60	148.20	3,050.1	-247.8	116.0	-94.5	0.40	-0.31	-1.46
3,165.0	8.70	152.20	3,143.8	-260.9	123.5	-100.9	1.16	-0.95	4.21
3,260.0	8.00	157.80	3,237.8	-273.3	129.3	-105.6	1.13	-0.74	5.89
3,355.0	7.70	152.90	3,331.9	-285.1	134.7	-110.0	0.77	-0.32	-5.16
3,451.0	7.80	155.00	3,427.1	-296.8	140.4	-114.7	0.31	0.10	2.19
3,546.0	7.30	147.30	3,521.2	-307.7	146.4	-119.7	1.19	-0.53	-8.11
3,641.0	7.10	163.50	3,615.5	-318.4	151.3	-123.7	2.14	-0.21	17.05
3,736.0	7.70	167.00	3,709.7	-330.2	154.4	-125.8	0.79	0.63	3.68
3,831.0	9.10	165.20	3,803.7	-343.7	157.8	-128.0	1.50	1.47	-1.89
3,926.0	9.40	165.40	3,897.5	-358.5	161.7	-130.6	0.32	0.32	0.21
4,022.0	8.70	164.20	3,992.3	-373.0	165.6	-133.3	0.76	-0.73	-1.25
4,117.0	7.70	160.50	4,086.3	-385.9	169.7	-136.2	1.19	-1.05	-3.89
4,212.0	8.50	155.70	4,180.3	-398.3	174.7	-140.2	1.10	0.84	-5.05
4,307.0	8.00	156.40	4,274.4	-410.8	180.2	-144.6	0.54	-0.53	0.74
4,402.0	9.50	158.90	4,368.3	-424.2	185.7	-149.0	1.63	1.58	2.63
4,498.0	8.90	156.60	4,463.0	-438.4	191.5	-153.5	0.73	-0.63	-2.40
4,593.0	9.90	156.60	4,556.7	-452.6	197.7	-158.5	1.05	1.05	0.00
4,688.0	9.10	152.20	4,650.4	-466.8	204.4	-164.0	1.14	-0.84	-4.63
4,783.0	9.10	150.30	4,744.2	-479.9	211.6	-170.1	0.32	0.00	-2.00
4,878.0	9.30	145.90	4,838.0	-492.8	219.7	-177.0	0.77	0.21	-4.63
4,973.0	9.50	150.30	4,931.8	-506.0	227.9	-184.0	0.78	0.21	4.63
5,068.0	8.30	155.20	5,025.6	-519.0	234.6	-189.6	1.49	-1.26	5.16
5,163.0	8.40	157.10	5,119.6	-531.6	240.2	-194.1	0.31	0.11	2.00
5,258.0	9.40	153.30	5,213.5	-545.0	246.4	-199.1	1.22	1.05	-4.00
5,353.0	9.20	153.30	5,307.2	-558.7	253.3	-204.8	0.21	-0.21	0.00
5,449.0	9.10	153.80	5,402.0	-572.3	260.1	-210.5	0.13	-0.10	0.52
5,544.0	9.10	151.30	5,495.8	-585.7	267.0	-216.2	0.42	0.00	-2.63
5,639.0	9.30	150.50	5,589.6	-598.9	274.4	-222.5	0.25	0.21	-0.84
5,734.0	7.70	149.40	5,683.5	-611.1	281.4	-228.4	1.69	-1.68	-1.16
5,829.0	6.00	145.90	5,777.8	-620.7	287.4	-233.6	1.84	-1.79	-3.68
5,925.0	4.60	145.50	5,873.4	-628.0	292.4	-238.0	1.46	-1.46	-0.42
6,020.0	2.20	155.40	5,968.3	-632.8	295.3	-240.5	2.59	-2.53	10.42
6,115.0	1.90	164.70	6,063.2	-636.0	296.5	-241.4	0.47	-0.32	9.79

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Carlson H-15-16HC
Project:	SEC.15-T5N-R65W	TVD Reference:	WELL @ 4643.5ft (RKB - 22.5')
Site:	Carlson 15-D Pad Sec.15-T5N-R65W	MD Reference:	WELL @ 4643.5ft (RKB - 22.5')
Well:	Carlson H-15-16HC	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)
6,210.0	0.10	240.10	6,158.2	-637.5	296.9	-241.6	1.98	-1.89	79.37
6,257.0	0.60	290.90	6,205.2	-637.5	296.6	-241.3	1.15	1.06	108.09
6,305.0	5.20	285.10	6,253.1	-636.8	294.3	-239.0	9.59	9.58	-12.08
6,352.0	10.80	280.90	6,299.6	-635.4	287.9	-232.8	11.97	11.91	-8.94
6,401.0	13.50	271.90	6,347.5	-634.4	277.7	-222.7	6.72	5.51	-18.37
6,448.0	17.90	271.20	6,392.8	-634.0	264.9	-210.1	9.37	9.36	-1.49
6,496.0	21.00	272.80	6,438.0	-633.5	249.0	-194.2	6.55	6.46	3.33
6,543.0	24.00	275.10	6,481.4	-632.2	231.0	-176.4	6.65	6.38	4.89
6,591.0	27.40	271.20	6,524.7	-631.1	210.3	-155.8	7.91	7.08	-8.13
6,638.0	30.60	269.80	6,565.8	-630.9	187.5	-133.1	6.96	6.81	-2.98
6,687.0	32.90	271.40	6,607.5	-630.6	161.7	-107.5	5.00	4.69	3.27
6,734.0	34.60	272.80	6,646.5	-629.7	135.6	-81.6	3.98	3.62	2.98
6,782.0	38.30	271.40	6,685.1	-628.6	107.1	-53.3	7.90	7.71	-2.92
6,829.0	42.90	270.90	6,720.8	-628.0	76.5	-22.9	9.81	9.79	-1.06
6,877.0	47.70	268.60	6,754.6	-628.2	42.4	11.1	10.56	10.00	-4.79
6,924.0	51.30	267.90	6,785.1	-629.3	6.7	46.8	7.74	7.66	-1.49
6,972.0	54.60	268.90	6,814.0	-630.4	-31.6	85.1	7.07	6.88	2.08
7,019.0	58.20	269.80	6,840.0	-630.8	-70.7	124.1	7.82	7.66	1.91
7,067.0	61.60	270.30	6,864.1	-630.8	-112.2	165.5	7.14	7.08	1.04
7,114.0	64.10	269.60	6,885.5	-630.8	-154.0	207.1	5.48	5.32	-1.49
7,162.0	69.40	270.30	6,904.5	-630.8	-198.1	251.1	11.12	11.04	1.46
7,209.0	72.70	270.50	6,919.7	-630.5	-242.6	295.3	7.03	7.02	0.43
7,257.0	73.90	270.70	6,933.5	-630.1	-288.5	341.1	2.53	2.50	0.42
7,304.0	78.80	270.30	6,944.6	-629.7	-334.2	386.5	10.46	10.43	-0.85
7,357.0	83.70	270.50	6,952.7	-629.3	-386.6	438.7	9.25	9.25	0.38
7,372.1	84.36	270.47	6,954.2	-629.2	-401.6	453.7	4.35	4.35	-0.20
LPL (Carlson H-15-16HC)									
7,434.0	87.05	270.35	6,958.9	-628.7	-463.3	515.1	4.35	4.35	-0.19
7,498.0	89.34	269.65	6,960.9	-628.7	-527.3	578.8	3.74	3.58	-1.09
7,593.0	89.34	268.27	6,962.0	-630.4	-622.2	673.6	1.45	0.00	-1.45
7,687.0	91.36	269.12	6,961.4	-632.6	-716.2	767.4	2.33	2.15	0.90
7,781.0	89.78	269.16	6,960.5	-634.0	-810.2	861.2	1.68	-1.68	0.04
7,875.0	89.87	271.20	6,960.8	-633.7	-904.2	954.8	2.17	0.10	2.17
7,969.0	88.37	270.78	6,962.2	-632.1	-998.2	1,048.3	1.66	-1.60	-0.45
8,044.0	87.74	270.83	6,964.8	-631.0	-1,073.1	1,122.9	0.84	-0.84	0.06
WP #1 (Carlson H-15-16HC)									
8,063.0	87.58	270.84	6,965.5	-630.8	-1,092.1	1,141.8	0.84	-0.84	0.06
8,157.0	88.20	270.92	6,969.0	-629.3	-1,186.0	1,235.2	0.67	0.66	0.09
8,251.0	85.91	267.80	6,973.8	-630.4	-1,279.9	1,328.8	4.11	-2.44	-3.32
8,346.0	87.85	268.32	6,979.0	-633.6	-1,374.7	1,423.6	2.11	2.04	0.55
8,439.0	89.60	269.44	6,981.1	-635.4	-1,467.6	1,516.3	2.23	1.88	1.20
8,531.0	90.13	269.08	6,981.3	-636.6	-1,559.6	1,608.1	0.70	0.58	-0.39
8,623.0	90.92	268.90	6,980.4	-638.2	-1,651.6	1,699.9	0.88	0.86	-0.20
8,714.0	91.63	268.83	6,978.4	-640.0	-1,742.6	1,790.7	0.78	0.78	-0.08
8,805.0	89.87	268.17	6,977.2	-642.4	-1,833.5	1,881.5	2.07	-1.93	-0.73
8,819.5	89.62	268.43	6,977.3	-642.8	-1,848.0	1,896.0	2.49	-1.72	1.80
WP #2 (Carlson H-15-16HC)									
8,897.0	88.29	269.83	6,978.7	-644.0	-1,925.5	1,973.3	2.49	-1.72	1.80
8,988.0	87.49	269.19	6,982.0	-644.8	-2,016.4	2,063.9	1.13	-0.88	-0.70
9,080.0	86.70	268.56	6,986.7	-646.6	-2,108.3	2,155.6	1.10	-0.86	-0.68
9,172.0	88.02	268.60	6,990.9	-648.8	-2,200.1	2,247.4	1.44	1.43	0.04
9,264.0	89.78	269.57	6,992.7	-650.3	-2,292.1	2,339.1	2.18	1.91	1.05
9,269.6	89.77	269.64	6,992.7	-650.3	-2,297.7	2,344.7	1.24	-0.20	1.22
WP #3 (Carlson H-15-16HC)									

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Carlson H-15-16HC
Project:	SEC.15-T5N-R65W	TVD Reference:	WELL @ 4643.5ft (RKB - 22.5')
Site:	Carlson 15-D Pad Sec.15-T5N-R65W	MD Reference:	WELL @ 4643.5ft (RKB - 22.5')
Well:	Carlson H-15-16HC	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)
9,355.0	89.60	270.68	6,993.2	-650.1	-2,383.1	2,429.8	1.24	-0.20	1.22
9,447.0	88.11	270.00	6,995.0	-649.6	-2,475.1	2,521.4	1.78	-1.62	-0.74
9,538.0	87.85	269.60	6,998.2	-649.9	-2,566.0	2,612.0	0.52	-0.29	-0.44
9,630.0	88.72	270.61	7,001.0	-649.7	-2,658.0	2,703.6	1.45	0.95	1.10
9,722.0	89.87	270.53	7,002.1	-648.8	-2,750.0	2,795.2	1.25	1.25	-0.09
9,785.2	89.38	269.88	7,002.5	-648.6	-2,813.1	2,858.1	1.29	-0.78	-1.02
WP #4 (Carlson H-15-16HC)									
9,813.0	89.16	269.60	7,002.9	-648.7	-2,841.0	2,885.8	1.29	-0.78	-1.02
9,905.0	89.52	269.85	7,004.0	-649.1	-2,933.0	2,977.5	0.48	0.39	0.27
9,997.0	89.34	270.12	7,004.9	-649.2	-3,025.0	3,069.2	0.35	-0.20	0.29
10,089.0	88.02	269.42	7,007.0	-649.5	-3,116.9	3,160.9	1.62	-1.43	-0.76
10,180.0	88.37	269.50	7,009.9	-650.4	-3,207.9	3,251.6	0.39	0.38	0.09
10,271.0	88.46	269.78	7,012.4	-651.0	-3,298.8	3,342.3	0.32	0.10	0.31
10,356.1	89.19	269.84	7,014.1	-651.2	-3,383.9	3,427.0	0.86	0.86	0.08
WP #5 (Carlson H-15-16HC)									
10,363.0	89.25	269.85	7,014.2	-651.3	-3,390.8	3,433.9	0.86	0.86	0.08
10,455.0	90.22	269.94	7,014.6	-651.4	-3,482.8	3,525.6	1.06	1.05	0.10
10,547.0	88.55	269.25	7,015.6	-652.1	-3,574.8	3,617.3	1.96	-1.82	-0.75
10,639.0	88.11	268.99	7,018.3	-653.5	-3,666.8	3,709.1	0.56	-0.48	-0.28
10,730.0	88.81	268.96	7,020.8	-655.1	-3,757.7	3,799.8	0.77	0.77	-0.03
10,822.0	89.34	270.68	7,022.2	-655.4	-3,849.7	3,891.5	1.96	0.58	1.87
10,913.0	89.96	271.21	7,022.8	-653.9	-3,940.7	3,982.0	0.90	0.68	0.58
11,005.0	90.75	270.98	7,022.2	-652.1	-4,032.7	4,073.5	0.89	0.86	-0.25
11,019.1	90.72	270.95	7,022.0	-651.9	-4,046.7	4,087.5	0.31	-0.20	-0.24
WP #6 (Carlson H-15-16HC)									
11,096.0	90.57	270.76	7,021.2	-650.8	-4,123.6	4,164.0	0.31	-0.20	-0.24
11,191.0	90.92	270.55	7,019.9	-649.7	-4,218.6	4,258.6	0.43	0.37	-0.22
11,285.0	91.19	270.53	7,018.2	-648.8	-4,312.6	4,352.2	0.29	0.29	-0.02
11,379.0	91.01	270.27	7,016.4	-648.1	-4,406.6	4,445.7	0.34	-0.19	-0.28
11,473.0	90.57	270.06	7,015.1	-647.9	-4,500.6	4,539.4	0.52	-0.47	-0.22
11,568.0	90.04	268.59	7,014.6	-649.0	-4,595.6	4,634.1	1.64	-0.56	-1.55
11,619.1	89.76	268.16	7,014.7	-650.4	-4,646.6	4,685.1	1.02	-0.55	-0.85
WP #7 (Carlson H-15-16HC)									
11,662.0	89.52	267.79	7,015.0	-652.0	-4,689.5	4,728.0	1.02	-0.55	-0.85
11,756.0	89.52	268.72	7,015.8	-654.8	-4,783.5	4,821.8	0.99	0.00	0.99
11,850.0	89.96	269.54	7,016.2	-656.2	-4,877.5	4,915.6	0.99	0.47	0.87
11,945.0	89.43	268.63	7,016.7	-657.8	-4,972.4	5,010.4	1.11	-0.56	-0.96
12,039.0	89.34	268.78	7,017.7	-659.9	-5,066.4	5,104.2	0.19	-0.10	0.16
12,133.0	89.78	270.26	7,018.4	-660.7	-5,160.4	5,197.9	1.64	0.47	1.57
12,227.0	89.78	270.65	7,018.8	-659.9	-5,254.4	5,291.5	0.41	0.00	0.41
12,322.0	89.69	269.70	7,019.2	-659.6	-5,349.4	5,386.1	1.00	-0.09	-1.00
12,343.8	89.49	269.34	7,019.4	-659.8	-5,371.2	5,407.8	1.91	-0.94	-1.67
WP #8 (Carlson H-15-16HC)									
12,416.0	88.81	268.13	7,020.5	-661.4	-5,443.4	5,479.9	1.91	-0.94	-1.67
12,510.0	88.72	268.81	7,022.5	-663.9	-5,537.3	5,573.7	0.73	-0.10	0.72
12,604.0	89.78	270.40	7,023.7	-664.6	-5,631.3	5,667.4	2.03	1.13	1.69
12,698.0	90.66	270.04	7,023.3	-664.2	-5,725.3	5,761.0	1.01	0.94	-0.38
12,793.0	90.84	269.85	7,022.1	-664.3	-5,820.3	5,855.7	0.28	0.19	-0.20
12,887.0	90.31	267.99	7,021.2	-666.1	-5,914.3	5,949.5	2.06	-0.56	-1.98
12,981.0	89.34	267.63	7,021.4	-669.7	-6,008.2	6,043.4	1.10	-1.03	-0.38
13,075.0	88.99	267.50	7,022.8	-673.7	-6,102.1	6,137.3	0.40	-0.37	-0.14
13,169.0	89.43	269.17	7,024.1	-676.4	-6,196.0	6,231.1	1.84	0.47	1.78
13,211.0	89.63	269.38	7,024.5	-676.9	-6,238.1	6,273.0	0.68	0.47	0.50
WP #9 (Carlson H-15-16HC)									

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Carlson H-15-16HC
Project:	SEC.15-T5N-R65W	TVD Reference:	WELL @ 4643.5ft (RKB - 22.5')
Site:	Carlson 15-D Pad Sec.15-T5N-R65W	MD Reference:	WELL @ 4643.5ft (RKB - 22.5')
Well:	Carlson H-15-16HC	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)
13,263.0	89.87	269.64	7,024.7	-677.4	-6,290.0	6,324.9	0.68	0.47	0.50
13,357.0	89.25	270.00	7,025.4	-677.7	-6,384.0	6,418.5	0.76	-0.66	0.38
13,451.0	89.16	271.82	7,026.7	-676.2	-6,478.0	6,512.0	1.94	-0.10	1.94
13,545.0	89.34	272.21	7,027.9	-672.9	-6,571.9	6,605.4	0.46	0.19	0.41
13,639.0	88.64	271.98	7,029.6	-669.4	-6,665.9	6,698.6	0.78	-0.74	-0.24
13,712.7	88.77	271.86	7,031.3	-667.0	-6,739.5	6,771.8	0.24	0.18	-0.16
WP #10 (Carlson H-15-16HC)									
13,734.0	88.81	271.83	7,031.7	-666.3	-6,760.8	6,793.0	0.24	0.18	-0.16
13,828.0	89.43	271.22	7,033.2	-663.8	-6,854.7	6,886.4	0.93	0.66	-0.65
13,922.0	90.84	270.82	7,032.9	-662.1	-6,948.7	6,979.9	1.56	1.50	-0.43
14,016.0	89.87	270.10	7,032.4	-661.3	-7,042.7	7,073.4	1.29	-1.03	-0.77
14,110.0	89.25	267.80	7,033.1	-663.1	-7,136.7	7,167.2	2.53	-0.66	-2.45
14,205.0	90.04	267.33	7,033.7	-667.1	-7,231.6	7,262.1	0.97	0.83	-0.49
14,218.5	90.04	267.28	7,033.7	-667.7	-7,245.1	7,275.7	0.35	0.00	-0.35
WP #11 (Carlson H-15-16HC)									
14,299.0	90.04	267.00	7,033.6	-671.7	-7,325.5	7,356.1	0.35	0.00	-0.35
14,393.0	90.66	267.80	7,033.0	-676.0	-7,419.4	7,450.0	1.08	0.66	0.85
14,487.0	91.19	271.22	7,031.5	-676.8	-7,513.4	7,543.7	3.68	0.56	3.64
14,581.0	90.48	271.55	7,030.1	-674.5	-7,607.3	7,637.1	0.83	-0.76	0.35
14,676.0	90.84	271.93	7,029.0	-671.7	-7,702.3	7,731.5	0.55	0.38	0.40
14,770.0	91.19	271.24	7,027.4	-669.1	-7,796.2	7,824.9	0.82	0.37	-0.73
14,861.0	91.19	271.24	7,025.5	-667.1	-7,887.2	7,915.3	0.00	0.00	0.00
BHL 1685'FNL, 2339'FWL, SEC.16									

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Carlson H-15-16HC
Project:	SEC.15-T5N-R65W	TVD Reference:	WELL @ 4643.5ft (RKB - 22.5')
Site:	Carlson 15-D Pad Sec.15-T5N-R65W	MD Reference:	WELL @ 4643.5ft (RKB - 22.5')
Well:	Carlson H-15-16HC	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 1055'FNL, 339'FI - survey hits target center - Point	0.00	0.00	1.0	0.0	0.0	1,391,065.40	3,239,172.09	40.403697	-104.641185
WP #1 (Carlson H-15- - survey misses target center by 4.7ft at 8044.0ft MD (6964.8 TVD, -631.0 N, -1073.1 E) - Point	0.00	0.00	6,962.0	-634.8	-1,073.3	1,390,420.24	3,238,105.03	40.401954	-104.645039
WP #2 (Carlson H-15- - survey misses target center by 5.2ft at 8819.4ft MD (6977.3 TVD, -642.8 N, -1847.9 E) - Point	0.00	0.00	6,981.0	-639.2	-1,848.0	1,390,408.34	3,237,330.44	40.401942	-104.647820
WP #3 (Carlson H-15- - survey misses target center by 8.7ft at 9269.5ft MD (6992.7 TVD, -650.3 N, -2297.6 E) - Point	0.00	0.00	6,991.5	-641.7	-2,297.7	1,390,401.49	3,236,880.81	40.401935	-104.649435
WP #4 (Carlson H-15- - survey misses target center by 5.9ft at 9785.2ft MD (7002.5 TVD, -648.6 N, -2813.1 E) - Point	0.00	0.00	7,007.0	-644.7	-2,813.1	1,390,393.49	3,236,365.48	40.401927	-104.651285
WP #7 (Carlson H-15- - survey misses target center by 6.0ft at 11619.1ft MD (7014.7 TVD, -650.4 N, -4646.6 E) - Point	0.00	0.00	7,011.0	-655.2	-4,646.5	1,390,365.24	3,234,532.35	40.401897	-104.657868
WP #5 (Carlson H-15- - survey misses target center by 3.2ft at 10356.1ft MD (7014.1 TVD, -651.2 N, -3383.9 E) - Point	0.00	0.00	7,014.0	-648.0	-3,383.9	1,390,384.67	3,235,794.76	40.401918	-104.653335
WP #6 (Carlson H-15- - survey misses target center by 4.1ft at 11019.1ft MD (7022.0 TVD, -651.9 N, -4046.7 E) - Point	0.00	0.00	7,018.0	-651.8	-4,046.7	1,390,374.45	3,235,132.06	40.401907	-104.655715
WP #8 (Carlson H-15- - survey misses target center by 0.6ft at 12343.8ft MD (7019.4 TVD, -659.8 N, -5371.2 E) - Point	0.00	0.00	7,019.0	-659.4	-5,371.2	1,390,354.02	3,233,807.75	40.401885	-104.660470
WP #9 (Carlson H-15- - survey misses target center by 12.6ft at 13211.0ft MD (7024.5 TVD, -676.9 N, -6238.0 E) - Point	0.00	0.00	7,024.0	-664.3	-6,238.2	1,390,340.73	3,232,940.87	40.401871	-104.663583
WP #10 (Carlson H-15- - survey misses target center by 3.7ft at 13712.7ft MD (7031.3 TVD, -667.0 N, -6739.5 E) - Point	0.00	0.00	7,035.0	-667.2	-6,739.4	1,390,332.97	3,232,439.75	40.401863	-104.665383
WP #11 (Carlson H-15- - survey misses target center by 7.7ft at 14218.5ft MD (7033.7 TVD, -667.7 N, -7245.1 E) - Point	0.00	0.00	7,041.0	-670.1	-7,245.0	1,390,325.18	3,231,934.22	40.401855	-104.667198
BHL 1685'FNL, 2339'FI - survey misses target center by 20.6ft at 14861.0ft MD (7025.5 TVD, -667.1 N, -7887.2 E) - Point	0.00	0.00	7,044.0	-673.8	-7,893.4	1,390,315.20	3,231,285.94	40.401844	-104.669526

Checked By: _____ Approved By: _____ Date: _____