

Bayswater Exploration & Production, LLC

Well Name: **Sherley E-4-9HN**

Surface Location: Sherley Pad Sec.4-T5N-R65W

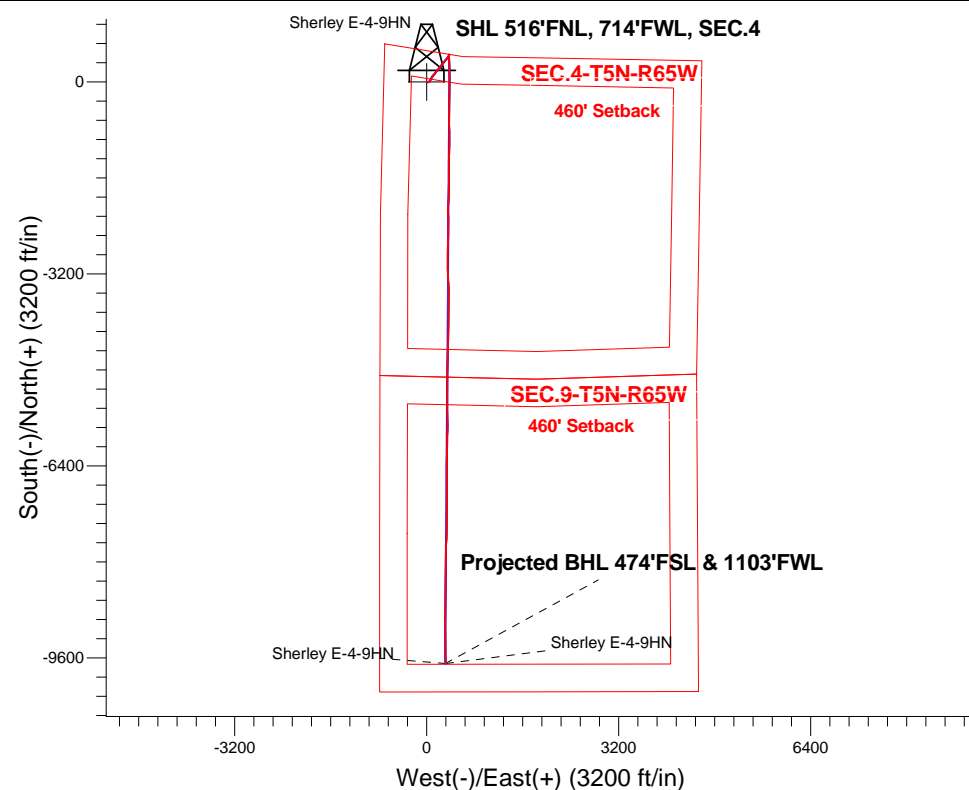
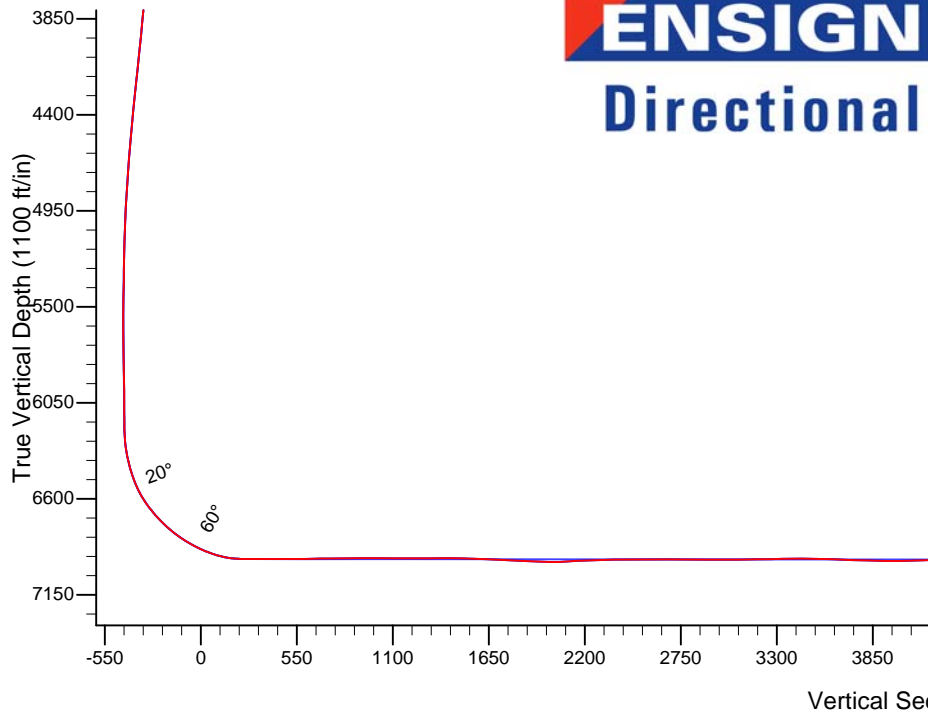
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone

Ground Elevation: 4641.3

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1402148.11	3229607.27	40.434367	-104.675158	
RKB - 25' WELL @ 4666.3ft (RKB - 25')						

FINAL SURVEY

Projected Bottom Hole Location
16817'MD 6946'TVD 9690'S & 320'E of SHL
92.5 degree Incl @ 177.2 degree AZM



Sherley Pad Sec.4-T5N-R65W
Sherley E-4-9HN
Wellbore #1
11:05, May 11 2015

ANNOTATIONS

No annotation data is available.

LEGEND

- Sherley E-4-9HN, Wellbore #1, Plan #4 (4-30-15) V0
- Wellbore #1
- Survey #1

Projected BHL 474'FSL & 1103'FWL

Sherley E-4-9HN

Sherley E-4-9HN



Bayswater Exploration & Production, LLC

SEC.4-T5N-R65W

Sherley Pad Sec.4-T5N-R65W

Sherley E-4-9HN

Wellbore #1

Survey: Survey #1

Standard Survey Report

11 May, 2015



BAYSWATER
EXPLORATION & PRODUCTION, LLC

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Sherley E-4-9HN
Project:	SEC.4-T5N-R65W	TVD Reference:	WELL @ 4666.3ft (RKB - 25')
Site:	Sherley Pad Sec.4-T5N-R65W	MD Reference:	WELL @ 4666.3ft (RKB - 25')
Well:	Sherley E-4-9HN	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

Project	SEC.4-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	Sherley Pad Sec.4-T5N-R65W		
Site Position:		Northing:	1,402,207.92 ft
From:	Lat/Long	Easting:	3,229,612.00 ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	40.434531
		Longitude:	-104.675139
		Grid Convergence:	0.53 °

Well	Sherley E-4-9HN		
Well Position	+N/-S	0.0 ft	Northing:
	+E/-W	0.0 ft	Easting:
Position Uncertainty	0.0 ft	Wellhead Elevation:	ft
		Latitude:	40.434367
		Longitude:	-104.675158
		Ground Level:	4,641.3 ft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2010	4/30/2015	8.30
			Dip Angle (°)
			66.96
			Field Strength (nT)
			52,752

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)
	0.0	0.0	0.0
			Direction (°)
			178.19

Survey Program	Date	5/11/2015		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
160.0	16,817.0	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	0.01	111.90	1.0	0.0	0.0	0.0	1.44	1.44	0.00	
SHL 516'FNL, 714'FWL, SEC.4										
160.0	2.30	111.90	160.0	-1.2	3.0	1.3	1.44	1.44	0.00	
251.0	3.70	95.00	250.8	-2.1	7.6	2.4	1.80	1.54	-18.57	
343.0	5.00	91.50	342.6	-2.5	14.6	3.0	1.44	1.41	-3.80	
434.0	6.40	80.70	433.1	-1.8	23.5	2.5	1.93	1.54	-11.87	
526.0	7.40	67.70	524.5	1.3	34.1	-0.2	2.01	1.09	-14.13	
618.0	8.80	48.20	615.6	8.2	44.8	-6.8	3.33	1.52	-21.20	
710.0	9.60	35.60	706.4	19.2	54.5	-17.4	2.35	0.87	-13.70	
780.0	9.60	28.40	775.4	29.0	60.7	-27.1	1.71	0.00	-10.29	
917.0	9.50	23.80	910.5	49.4	70.7	-47.2	0.56	-0.07	-3.36	
1,011.0	9.00	28.20	1,003.3	63.0	77.3	-60.5	0.92	-0.53	4.68	

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Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
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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)
1,106.0	7.90	28.50	1,097.2	75.3	83.9	-72.6	1.16	-1.16	0.32
1,197.0	7.10	38.40	1,187.5	85.2	90.4	-82.3	1.67	-0.88	10.88
1,289.0	6.90	38.50	1,278.8	94.0	97.4	-90.9	0.22	-0.22	0.11
1,380.0	7.10	40.00	1,369.1	102.6	104.4	-99.2	0.30	0.22	1.65
1,472.0	6.60	38.20	1,460.5	111.1	111.3	-107.5	0.59	-0.54	-1.96
1,564.0	7.60	35.60	1,551.7	120.2	118.1	-116.4	1.14	1.09	-2.83
1,654.0	7.50	43.80	1,641.0	129.3	125.7	-125.2	1.20	-0.11	9.11
1,746.0	7.20	42.40	1,732.2	137.9	133.7	-133.6	0.38	-0.33	-1.52
1,838.0	6.50	36.60	1,823.6	146.3	140.7	-141.8	1.07	-0.76	-6.30
1,929.0	6.90	43.80	1,913.9	154.4	147.5	-149.6	1.02	0.44	7.91
2,021.0	7.70	38.50	2,005.2	163.2	155.2	-158.2	1.14	0.87	-5.76
2,113.0	7.50	29.80	2,096.4	173.2	162.0	-168.0	1.27	-0.22	-9.46
2,204.0	7.40	43.30	2,186.6	182.6	169.0	-177.2	1.92	-0.11	14.84
2,297.0	6.40	37.70	2,278.9	191.1	176.3	-185.4	1.29	-1.08	-6.02
2,389.0	7.70	43.30	2,370.3	199.6	183.6	-193.7	1.60	1.41	6.09
2,483.0	7.60	37.10	2,463.4	209.2	191.7	-203.0	0.88	-0.11	-6.60
2,577.0	7.30	33.80	2,556.6	219.1	198.8	-212.7	0.56	-0.32	-3.51
2,670.0	7.70	44.00	2,648.8	228.5	206.4	-221.9	1.49	0.43	10.97
2,764.0	7.80	42.90	2,742.0	237.7	215.1	-230.8	0.19	0.11	-1.17
2,857.0	6.90	39.80	2,834.2	246.6	223.0	-239.4	1.06	-0.97	-3.33
2,951.0	6.60	34.10	2,927.6	255.4	229.6	-248.0	0.78	-0.32	-6.06
3,045.0	7.40	32.70	3,020.9	265.0	235.9	-257.4	0.87	0.85	-1.49
3,136.0	7.50	31.30	3,111.1	275.0	242.2	-267.2	0.23	0.11	-1.54
3,231.0	7.30	40.80	3,205.3	284.9	249.3	-276.8	1.30	-0.21	10.00
3,324.0	6.30	37.80	3,297.6	293.4	256.3	-285.1	1.14	-1.08	-3.23
3,417.0	5.70	37.00	3,390.1	301.1	262.2	-292.6	0.65	-0.65	-0.86
3,512.0	5.90	35.40	3,484.7	308.8	267.9	-300.2	0.27	0.21	-1.68
3,605.0	6.70	40.30	3,577.1	316.9	274.2	-308.0	1.04	0.86	5.27
3,698.0	7.00	39.40	3,669.4	325.4	281.3	-316.3	0.34	0.32	-0.97
3,791.0	7.30	39.40	3,761.7	334.3	288.6	-325.0	0.32	0.32	0.00
3,886.0	7.70	40.50	3,855.9	343.8	296.6	-334.3	0.45	0.42	1.16
3,980.0	7.80	41.90	3,949.0	353.4	305.0	-343.5	0.23	0.11	1.49
4,074.0	7.50	42.20	4,042.2	362.7	313.3	-352.6	0.32	-0.32	0.32
4,169.0	8.50	39.60	4,136.3	372.7	322.0	-362.3	1.12	1.05	-2.74
4,262.0	7.90	39.40	4,228.3	382.9	330.4	-372.3	0.65	-0.65	-0.22
4,357.0	7.20	36.30	4,322.5	392.7	338.1	-381.9	0.85	-0.74	-3.26
4,452.0	7.40	40.80	4,416.7	402.2	345.6	-391.0	0.64	0.21	4.74
4,545.0	7.00	40.10	4,509.0	411.0	353.2	-399.7	0.44	-0.43	-0.75
4,639.0	6.10	37.10	4,602.4	419.4	359.9	-407.8	1.02	-0.96	-3.19
4,732.0	5.50	39.10	4,694.9	426.8	365.7	-415.0	0.68	-0.65	2.15
4,826.0	4.00	25.00	4,788.6	433.3	369.9	-421.4	2.01	-1.60	-15.00
4,920.0	3.40	19.60	4,882.4	438.9	372.2	-426.9	0.74	-0.64	-5.74
5,014.0	3.10	16.60	4,976.2	443.9	373.9	-431.9	0.37	-0.32	-3.19
5,107.0	1.60	2.30	5,069.1	447.6	374.6	-435.6	1.72	-1.61	-15.38
5,202.0	1.30	356.90	5,164.1	450.0	374.6	-438.0	0.35	-0.32	-5.68
5,296.0	1.00	353.50	5,258.1	451.9	374.5	-439.9	0.33	-0.32	-3.62
5,389.0	1.00	1.80	5,351.1	453.5	374.4	-441.5	0.16	0.00	8.92
5,484.0	0.90	13.80	5,446.1	455.1	374.6	-443.0	0.23	-0.11	12.63
5,578.0	1.30	64.20	5,540.1	456.3	375.8	-444.2	1.07	0.43	53.62
5,672.0	1.20	96.00	5,634.0	456.6	377.7	-444.5	0.74	-0.11	33.83
5,766.0	1.20	201.80	5,728.0	455.6	378.3	-443.4	2.04	0.00	112.55
5,860.0	1.10	208.20	5,822.0	453.9	377.5	-441.7	0.17	-0.11	6.81
5,953.0	1.10	229.40	5,915.0	452.5	376.4	-440.4	0.44	0.00	22.80
6,048.0	1.00	233.00	6,010.0	451.5	375.1	-439.4	0.13	-0.11	3.79

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Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

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)
6,142.0	0.60	234.70	6,104.0	450.7	374.0	-438.6	0.43	-0.43	1.81
6,189.0	0.80	232.60	6,151.0	450.3	373.5	-438.3	0.43	0.43	-4.47
6,236.0	1.10	204.80	6,198.0	449.7	373.1	-437.7	1.15	0.64	-59.15
6,283.0	3.40	183.70	6,244.9	447.9	372.8	-435.9	5.12	4.89	-44.89
6,329.0	6.30	177.60	6,290.7	444.0	372.8	-432.0	6.39	6.30	-13.26
6,376.0	10.30	175.80	6,337.2	437.3	373.2	-425.2	8.53	8.51	-3.83
6,423.0	13.50	176.70	6,383.2	427.6	373.9	-415.6	6.82	6.81	1.91
6,470.0	16.20	177.10	6,428.7	415.6	374.5	-403.5	5.75	5.74	0.85
6,516.0	18.50	176.70	6,472.6	401.9	375.3	-389.8	5.01	5.00	-0.87
6,563.0	22.40	180.20	6,516.6	385.5	375.7	-373.4	8.69	8.30	7.45
6,609.0	27.10	181.60	6,558.4	366.2	375.3	-354.2	10.30	10.22	3.04
6,656.0	32.10	181.10	6,599.2	343.0	374.8	-331.0	10.65	10.64	-1.06
6,703.0	36.30	178.60	6,638.1	316.6	374.9	-304.6	9.42	8.94	-5.32
6,750.0	39.70	177.80	6,675.1	287.7	375.8	-275.7	7.31	7.23	-1.70
6,797.0	42.90	176.90	6,710.4	256.7	377.3	-244.6	6.92	6.81	-1.91
6,844.0	45.70	177.10	6,744.0	223.9	379.0	-211.8	5.96	5.96	0.43
6,891.0	49.40	177.90	6,775.8	189.3	380.5	-177.2	7.97	7.87	1.70
6,938.0	53.60	179.00	6,805.0	152.5	381.5	-140.4	9.12	8.94	2.34
6,985.0	56.90	178.80	6,831.8	113.9	382.2	-101.8	7.03	7.02	-0.43
7,032.0	59.70	181.10	6,856.5	74.0	382.2	-61.8	7.27	5.96	4.89
7,078.0	63.80	180.60	6,878.3	33.4	381.6	-21.4	8.96	8.91	-1.09
7,125.0	67.30	182.20	6,897.7	-9.3	380.6	21.4	8.07	7.45	3.40
7,173.0	71.30	180.20	6,914.7	-54.2	379.6	66.2	9.20	8.33	-4.17
7,220.0	75.10	180.80	6,928.3	-99.2	379.3	111.1	8.18	8.09	1.28
7,266.0	80.60	180.90	6,937.9	-144.1	378.6	156.0	11.96	11.96	0.22
7,313.0	86.80	180.40	6,943.1	-190.8	378.1	202.7	13.23	13.19	-1.06
7,344.0	89.20	180.80	6,944.2	-221.8	377.7	233.6	7.85	7.74	1.29
7,468.0	90.70	180.90	6,944.3	-345.8	375.9	357.5	1.21	1.21	0.08
7,562.0	89.60	180.20	6,944.0	-439.8	375.0	451.4	1.39	-1.17	-0.74
7,656.0	90.10	179.70	6,944.3	-533.8	375.1	545.4	0.75	0.53	-0.53
7,750.0	91.20	180.10	6,943.2	-627.8	375.2	639.3	1.25	1.17	0.43
7,844.0	90.00	179.00	6,942.2	-721.8	376.0	733.3	1.73	-1.28	-1.17
7,938.0	91.00	179.00	6,941.4	-815.7	377.6	827.3	1.06	1.06	0.00
8,033.0	90.60	179.50	6,940.1	-910.7	378.9	922.2	0.67	-0.42	0.53
8,126.0	89.40	180.60	6,940.1	-1,003.7	378.8	1,015.2	1.75	-1.29	1.18
8,221.0	89.40	181.50	6,941.1	-1,098.7	377.0	1,110.1	0.95	0.00	0.95
8,315.0	90.00	181.10	6,941.6	-1,192.7	374.9	1,203.9	0.77	0.64	-0.43
8,409.0	90.70	181.30	6,941.0	-1,286.6	372.9	1,297.8	0.77	0.74	0.21
8,503.0	90.10	179.20	6,940.3	-1,380.6	372.5	1,391.7	2.32	-0.64	-2.23
8,597.0	88.10	180.90	6,941.8	-1,474.6	372.4	1,485.7	2.79	-2.13	1.81
8,691.0	89.40	179.70	6,943.9	-1,568.6	372.0	1,579.6	1.88	1.38	-1.28
8,785.0	87.30	179.50	6,946.6	-1,662.5	372.6	1,673.5	2.24	-2.23	-0.21
8,880.0	86.30	181.30	6,951.9	-1,757.4	371.9	1,768.3	2.16	-1.05	1.89
8,974.0	87.10	182.50	6,957.3	-1,851.2	368.8	1,861.9	1.53	0.85	1.28
9,067.0	87.90	182.90	6,961.3	-1,944.0	364.5	1,954.5	0.96	0.86	0.43
9,162.0	91.50	183.40	6,961.8	-2,038.8	359.2	2,049.2	3.83	3.79	0.53
9,256.0	93.30	180.80	6,957.9	-2,132.7	355.8	2,142.9	3.36	1.91	-2.77
9,350.0	92.90	179.20	6,952.8	-2,226.5	355.8	2,236.7	1.75	-0.43	-1.70
9,444.0	92.20	177.40	6,948.6	-2,320.4	358.6	2,330.6	2.05	-0.74	-1.91
9,538.0	89.40	178.80	6,947.3	-2,414.3	361.7	2,424.5	3.33	-2.98	1.49
9,633.0	90.00	182.20	6,947.8	-2,509.3	360.9	2,519.5	3.63	0.63	3.58
9,727.0	90.00	183.00	6,947.8	-2,603.2	356.6	2,613.2	0.85	0.00	0.85
9,821.0	89.90	182.20	6,947.9	-2,697.1	352.3	2,706.9	0.86	-0.11	-0.85
9,916.0	89.60	179.40	6,948.3	-2,792.1	351.0	2,801.8	2.96	-0.32	-2.95

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10,009.0	90.00	180.40	6,948.6	-2,885.1	351.2	2,894.7	1.16	0.43	1.08
10,104.0	89.90	179.40	6,948.7	-2,980.1	351.3	2,989.7	1.06	-0.11	-1.05
10,198.0	90.60	179.00	6,948.3	-3,074.1	352.7	3,083.7	0.86	0.74	-0.43
10,293.0	91.10	178.10	6,946.9	-3,169.0	355.1	3,178.7	1.08	0.53	-0.95
10,387.0	90.30	178.10	6,945.8	-3,263.0	358.2	3,272.7	0.85	-0.85	0.00
10,479.0	91.50	176.90	6,944.3	-3,354.9	362.2	3,364.6	1.84	1.30	-1.30
10,571.0	90.60	177.10	6,942.6	-3,446.7	367.0	3,456.6	1.00	-0.98	0.22
10,662.0	88.40	178.80	6,943.4	-3,537.6	370.3	3,547.6	3.06	-2.42	1.87
10,754.0	86.30	181.10	6,947.7	-3,629.5	370.3	3,639.4	3.38	-2.28	2.50
10,845.0	89.30	181.50	6,951.2	-3,720.4	368.3	3,730.2	3.33	3.30	0.44
10,937.0	88.50	179.40	6,952.9	-3,812.4	367.6	3,822.1	2.44	-0.87	-2.28
11,029.0	88.90	182.50	6,955.0	-3,904.4	366.0	3,914.0	3.40	0.43	3.37
11,120.0	90.10	181.10	6,955.8	-3,995.3	363.2	4,004.8	2.03	1.32	-1.54
11,211.0	92.30	182.50	6,953.9	-4,086.2	360.3	4,095.6	2.87	2.42	1.54
11,302.0	92.70	180.20	6,949.9	-4,177.1	358.2	4,186.4	2.56	0.44	-2.53
11,394.0	91.50	181.60	6,946.6	-4,269.0	356.7	4,278.2	2.00	-1.30	1.52
11,486.0	89.60	179.90	6,945.7	-4,361.0	355.5	4,370.1	2.77	-2.07	-1.85
11,577.0	87.80	181.10	6,947.8	-4,452.0	354.7	4,461.0	2.38	-1.98	1.32
11,668.0	89.30	182.00	6,950.1	-4,542.9	352.3	4,551.8	1.92	1.65	0.99
11,760.0	91.60	181.60	6,949.3	-4,634.9	349.4	4,643.6	2.54	2.50	-0.43
11,851.0	90.00	182.30	6,948.1	-4,725.8	346.3	4,734.4	1.92	-1.76	0.77
11,943.0	91.00	181.10	6,947.3	-4,817.8	343.6	4,826.2	1.70	1.09	-1.30
12,034.0	90.30	180.40	6,946.2	-4,908.7	342.4	4,917.1	1.09	-0.77	-0.77
12,126.0	91.10	179.20	6,945.1	-5,000.7	342.7	5,009.1	1.57	0.87	-1.30
12,217.0	90.30	178.80	6,944.0	-5,091.7	344.3	5,100.1	0.98	-0.88	-0.44
12,310.0	89.30	180.10	6,944.3	-5,184.7	345.2	5,193.0	1.76	-1.08	1.40
12,401.0	90.90	181.60	6,944.2	-5,275.7	343.8	5,283.9	2.41	1.76	1.65
12,492.0	90.10	178.80	6,943.4	-5,366.7	343.5	5,374.9	3.20	-0.88	-3.08
12,584.0	88.60	177.90	6,944.4	-5,458.6	346.1	5,466.8	1.90	-1.63	-0.98
12,676.0	88.10	179.40	6,947.1	-5,550.6	348.3	5,558.8	1.72	-0.54	1.63
12,767.0	89.30	179.70	6,949.1	-5,641.5	349.0	5,649.8	1.36	1.32	0.33
12,859.0	88.80	181.60	6,950.6	-5,733.5	348.0	5,741.6	2.14	-0.54	2.07
12,950.0	90.40	181.10	6,951.3	-5,824.5	345.8	5,832.5	1.84	1.76	-0.55
13,042.0	91.20	181.50	6,950.0	-5,916.4	343.8	5,924.4	0.97	0.87	0.43
13,136.0	91.50	180.60	6,947.8	-6,010.4	342.0	6,018.2	1.01	0.32	-0.96
13,230.0	90.90	180.90	6,945.8	-6,104.4	340.8	6,112.1	0.71	-0.64	0.32
13,323.0	90.00	180.10	6,945.1	-6,197.4	340.0	6,205.0	1.29	-0.97	-0.86
13,418.0	89.20	181.80	6,945.8	-6,292.3	338.4	6,299.9	1.98	-0.84	1.79
13,512.0	89.50	180.20	6,946.8	-6,386.3	336.8	6,393.8	1.73	0.32	-1.70
13,606.0	89.10	181.30	6,948.0	-6,480.3	335.5	6,487.7	1.25	-0.43	1.17
13,700.0	89.40	180.80	6,949.2	-6,574.3	333.8	6,581.6	0.62	0.32	-0.53
13,794.0	90.40	178.80	6,949.4	-6,668.3	334.1	6,675.5	2.38	1.06	-2.13
13,889.0	90.70	179.70	6,948.4	-6,763.3	335.4	6,770.5	1.00	0.32	0.95
13,982.0	89.90	179.20	6,948.0	-6,856.3	336.3	6,863.5	1.01	-0.86	-0.54
14,076.0	88.50	180.20	6,949.3	-6,950.2	336.8	6,957.4	1.83	-1.49	1.06
14,169.0	89.70	179.40	6,950.7	-7,043.2	337.1	7,050.4	1.55	1.29	-0.86
14,264.0	89.70	181.10	6,951.2	-7,138.2	336.7	7,145.3	1.79	0.00	1.79
14,358.0	90.60	179.90	6,951.0	-7,232.2	335.9	7,239.2	1.60	0.96	-1.28
14,452.0	90.30	180.60	6,950.2	-7,326.2	335.5	7,333.2	0.81	-0.32	0.74
14,546.0	89.50	180.90	6,950.4	-7,420.2	334.2	7,427.1	0.91	-0.85	0.32
14,640.0	88.70	181.60	6,951.9	-7,514.2	332.2	7,520.9	1.13	-0.85	0.74
14,734.0	89.70	182.50	6,953.2	-7,608.1	328.8	7,614.7	1.43	1.06	0.96
14,827.0	90.20	182.00	6,953.3	-7,701.0	325.2	7,707.5	0.76	0.54	-0.54
14,922.0	90.60	181.80	6,952.6	-7,796.0	322.0	7,802.3	0.47	0.42	-0.21

Company:	Bayswater Exploration & Production, LLC	Local Co-ordinate Reference:	Well Sherley E-4-9HN
Project:	SEC.4-T5N-R65W	TVD Reference:	WELL @ 4666.3ft (RKB - 25')
Site:	Sherley Pad Sec.4-T5N-R65W	MD Reference:	WELL @ 4666.3ft (RKB - 25')
Well:	Sherley E-4-9HN	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

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)
15,016.0	90.30	180.90	6,951.9	-7,889.9	319.8	7,896.1	1.01	-0.32	-0.96
15,110.0	90.50	180.40	6,951.2	-7,983.9	318.7	7,990.0	0.57	0.21	-0.53
15,204.0	90.10	180.80	6,950.7	-8,077.9	317.7	8,083.9	0.60	-0.43	0.43
15,298.0	90.70	180.10	6,950.1	-8,171.9	317.0	8,177.9	0.98	0.64	-0.74
15,393.0	90.70	179.70	6,948.9	-8,266.9	317.2	8,272.8	0.42	0.00	-0.42
15,487.0	89.60	181.30	6,948.7	-8,360.9	316.4	8,366.7	2.07	-1.17	1.70
15,581.0	90.70	180.10	6,948.4	-8,454.9	315.2	8,460.6	1.73	1.17	-1.28
15,674.0	90.00	180.60	6,947.9	-8,547.9	314.6	8,553.6	0.92	-0.75	0.54
15,769.0	89.80	181.30	6,948.0	-8,642.9	313.1	8,648.4	0.77	-0.21	0.74
15,863.0	88.70	180.60	6,949.3	-8,736.8	311.5	8,742.3	1.39	-1.17	-0.74
15,957.0	89.50	180.10	6,950.7	-8,830.8	310.9	8,836.2	1.00	0.85	-0.53
16,052.0	90.30	179.20	6,950.9	-8,925.8	311.5	8,931.2	1.27	0.84	-0.95
16,146.0	89.40	179.50	6,951.1	-9,019.8	312.6	9,025.2	1.01	-0.96	0.32
16,241.0	88.60	180.80	6,952.8	-9,114.8	312.3	9,120.1	1.61	-0.84	1.37
16,335.0	89.70	180.20	6,954.2	-9,208.8	311.5	9,214.0	1.33	1.17	-0.64
16,429.0	89.70	179.00	6,954.7	-9,302.8	312.2	9,308.0	1.28	0.00	-1.28
16,523.0	90.20	180.10	6,954.8	-9,396.8	312.9	9,402.0	1.29	0.53	1.17
16,618.0	91.10	179.20	6,953.7	-9,491.8	313.5	9,496.9	1.34	0.95	-0.95
16,712.0	92.20	178.50	6,951.0	-9,585.7	315.4	9,590.9	1.39	1.17	-0.74
16,760.0	92.50	177.20	6,949.0	-9,633.6	317.2	9,638.8	2.78	0.63	-2.71
16,817.0	92.50	177.20	6,946.5	-9,690.5	320.0	9,695.8	0.00	0.00	0.00
BHL 470°FSL, 1090°FWL, SEC.9									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
SHL 516°FNL, 714°FW	0.00	0.00	1.0	0.0	0.0	1,402,148.13	3,229,607.27	40.434367	-104.675158
- survey hits target center									
- Point									

Checked By: _____	Approved By: _____	Date: _____
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