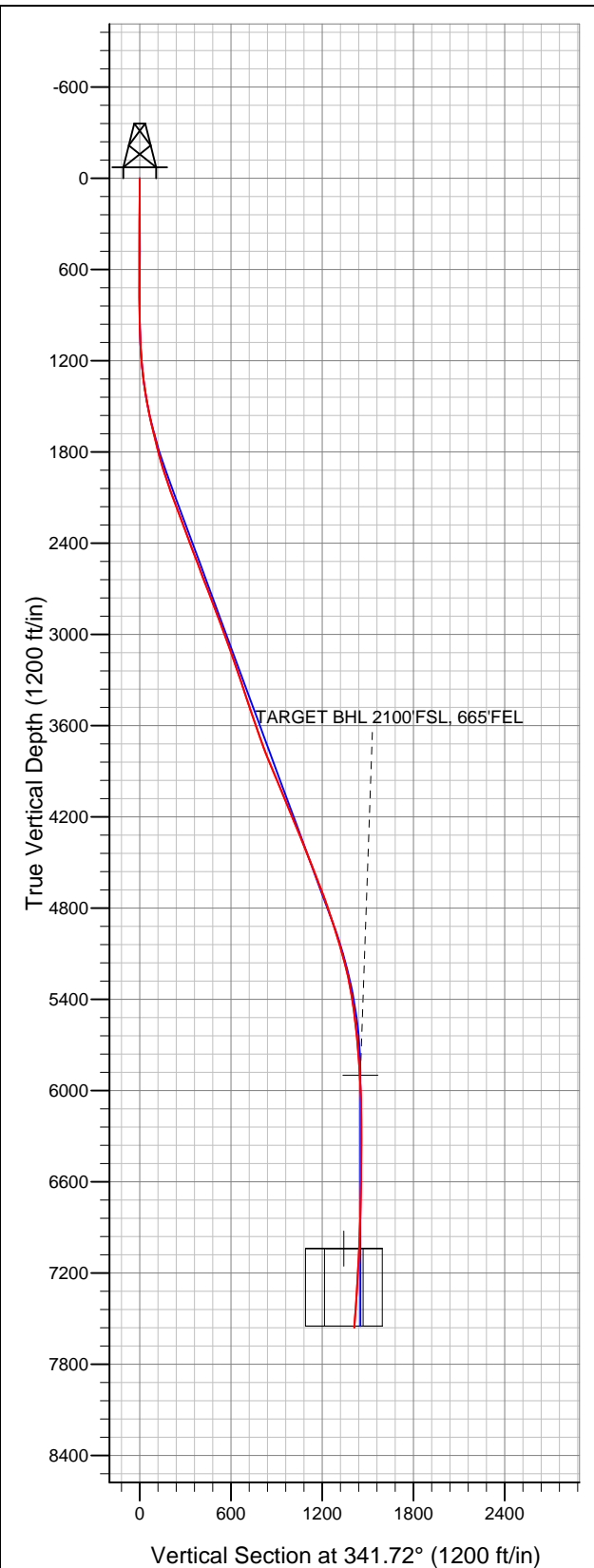


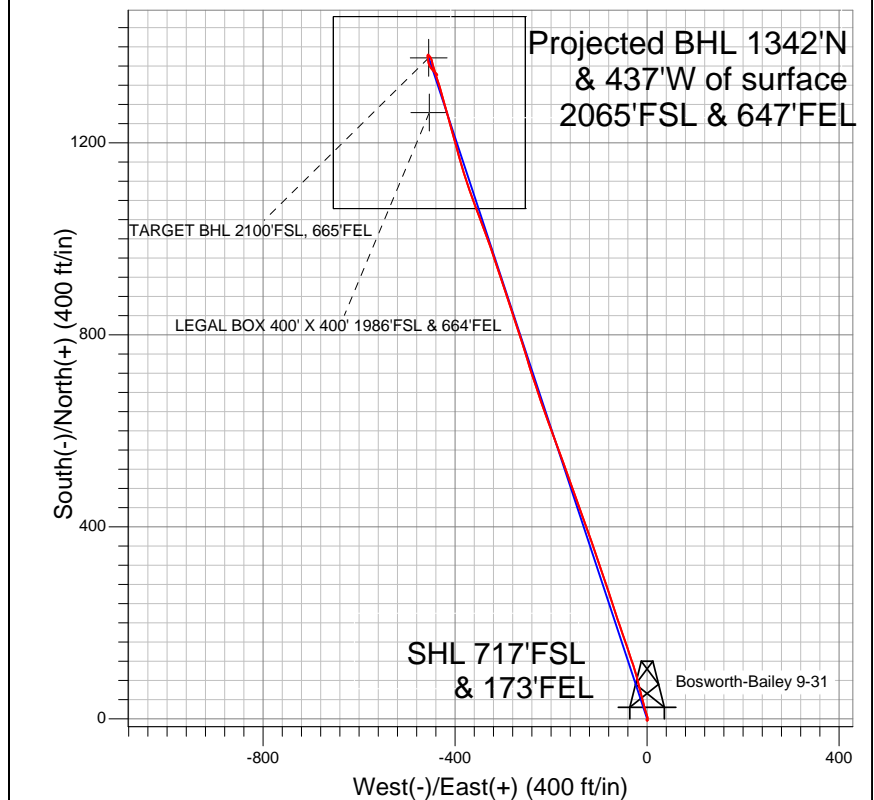
Well Name: Bosworth-Bailey 9-31

Surface Location: Bosworth-Bailey 9-31 Pad Sec.31-T7N-R66W
North American Datum 1983 US State Plane 1983Colorado Northern Zone
Ground Elevation: 4875.0

+N/-S 0.0	+E/-W 0.0	Northing 1435057.26	Easting 3190790.05	Latitude 40.525606	Longitude -104.813684	Slot
		Original Well Elev	WELL @ 4885.0ft (Original Well Elev)			



BAYSWATER EXPLORATION & PRODUCTION



LEGEND

- Survey #1
- ✕ Bosworth-Bailey 9-31, Wellbore #1, Plan #1 (2-27-12) R V0
- Wellbore #1

Final Survey Plot

Projected Final Survey -
7800'MD & 7561'TVD @ 1411'VS
4.70 deg Inc 134.80 deg AZ

Project: SEC.31-T7N-R66W
Site: Bosworth-Bailey 9-31 Pad Sec.31-T7N-R66W
Well: Bosworth-Bailey 9-31
Plan: Wellbore #1



BAYSWATER EXPLORATION & PRODUCTION

SEC.31-T7N-R66W

Bosworth-Bailey 9-31 Pad Sec.31-T7N-R66W

Bosworth-Bailey 9-31

Wellbore #1

Survey: Survey #1

Standard Survey Report

06 March, 2012

Company:	BAYSWATER EXPLORATION & PRODUCTION	Local Co-ordinate Reference:	Well Bosworth-Bailey 9-31
Project:	SEC.31-T7N-R66W	TVD Reference:	WELL @ 4885.0ft (Original Well Elev)
Site:	Bosworth-Bailey 9-31 Pad Sec.31-T7N-R66W	MD Reference:	WELL @ 4885.0ft (Original Well Elev)
Well:	Bosworth-Bailey 9-31	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

Project	SEC.31-T7N-R66W, 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		Bosworth-Bailey 9-31 Pad Sec.31-T7N-R66W			
Site Position:		Northing:	1,435,057.26 ft	Latitude:	40.525606
From:	Lat/Long	Easting:	3,190,790.05 ft	Longitude:	-104.813684
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.44 °

Well	Bosworth-Bailey 9-31					
Well Position	+N-S	0.0 ft	Northing:	1,435,057.26 ft	Latitude:	40.525606
	+E-W	0.0 ft	Easting:	3,190,790.05 ft	Longitude:	-104.813684
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,875.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2/27/2012	8.81	67.12	53,117

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 (°)	
	5,900.0	0.0	0.0	341.72	

Survey Program		Date		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
101.0	7,800.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard

Survey	Survey Data									
	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
	101.0	1.10	212.50	101.0	-0.8	-0.5	-0.6	1.09	1.09	0.00
	189.0	0.90	175.20	189.0	-2.2	-0.9	-1.8	0.76	-0.23	-42.39
	280.0	0.40	115.90	280.0	-3.1	-0.6	-2.7	0.85	-0.55	-65.16
	372.0	0.70	105.00	372.0	-3.4	0.3	-3.3	0.34	0.33	-11.85
	464.0	0.00	253.80	464.0	-3.5	0.8	-3.6	0.76	-0.76	0.00
	556.0	0.40	353.10	556.0	-3.2	0.8	-3.3	0.43	0.43	0.00
	648.0	0.30	333.70	648.0	-2.6	0.6	-2.7	0.17	-0.11	-21.09
	741.0	0.30	216.00	741.0	-2.6	0.4	-2.6	0.55	0.00	-126.56
	835.0	0.40	62.10	835.0	-2.7	0.5	-2.7	0.73	0.11	-163.72
	924.0	1.50	5.60	924.0	-1.4	0.9	-1.6	1.49	1.24	-63.48
	996.0	2.20	7.40	995.9	0.9	1.2	0.5	0.98	0.97	2.50

Company:	BAYSWATER EXPLORATION & PRODUCTION	Local Co-ordinate Reference:	Well Bosworth-Bailey 9-31
Project:	SEC.31-T7N-R66W	TVD Reference:	WELL @ 4885.0ft (Original Well Elev)
Site:	Bosworth-Bailey 9-31 Pad Sec.31-T7N-R66W	MD Reference:	WELL @ 4885.0ft (Original Well Elev)
Well:	Bosworth-Bailey 9-31	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)
1,089.0	2.70	337.30	1,088.8	4.7	0.6	4.3	1.46	0.54	-32.37
1,183.0	4.40	343.80	1,182.7	10.2	-1.3	10.1	1.86	1.81	6.91
1,277.0	6.20	342.40	1,276.2	18.5	-3.8	18.8	1.92	1.91	-1.49
1,371.0	8.20	345.30	1,369.5	29.9	-7.1	30.6	2.16	2.13	3.09
1,464.0	10.20	346.00	1,461.3	44.3	-10.8	45.4	2.15	2.15	0.75
1,558.0	11.70	347.30	1,553.6	61.6	-14.9	63.2	1.62	1.60	1.38
1,652.0	13.00	343.80	1,645.4	81.1	-19.9	83.2	1.60	1.38	-3.72
1,745.0	13.90	342.80	1,735.9	101.8	-26.1	104.9	1.00	0.97	-1.08
1,839.0	15.50	342.00	1,826.8	124.5	-33.4	128.7	1.72	1.70	-0.85
1,933.0	17.40	341.40	1,916.9	149.8	-41.7	155.3	2.03	2.02	-0.64
2,026.0	18.60	340.60	2,005.4	177.0	-51.1	184.1	1.32	1.29	-0.86
2,120.0	20.30	341.70	2,094.0	206.6	-61.2	215.4	1.85	1.81	1.17
2,214.0	20.80	341.70	2,182.0	237.9	-71.5	248.4	0.53	0.53	0.00
2,307.0	20.50	341.60	2,269.0	269.1	-81.9	281.2	0.32	-0.32	-0.11
2,401.0	20.20	341.70	2,357.2	300.1	-92.2	313.9	0.32	-0.32	0.11
2,495.0	20.60	340.90	2,445.3	331.1	-102.7	346.6	0.52	0.43	-0.85
2,588.0	21.10	341.00	2,532.2	362.4	-113.5	379.7	0.54	0.54	0.11
2,682.0	20.30	339.80	2,620.1	393.7	-124.6	412.9	0.96	-0.85	-1.28
2,776.0	20.80	340.40	2,708.1	424.7	-135.8	445.9	0.58	0.53	0.64
2,869.0	21.90	341.00	2,794.8	456.7	-147.0	479.8	1.21	1.18	0.65
2,963.0	21.30	339.70	2,882.2	489.3	-158.7	514.4	0.82	-0.64	-1.38
3,057.0	19.70	340.70	2,970.2	520.3	-169.8	547.3	1.74	-1.70	1.06
3,150.0	18.80	340.20	3,058.0	549.1	-180.1	577.9	0.98	-0.97	-0.54
3,244.0	19.60	338.90	3,146.8	578.1	-190.9	608.8	0.96	0.85	-1.38
3,338.0	18.90	340.40	3,235.5	607.2	-201.7	639.8	0.91	-0.74	1.60
3,431.0	18.50	340.10	3,323.6	635.2	-211.7	669.6	0.44	-0.43	-0.32
3,525.0	18.50	341.10	3,412.8	663.4	-221.6	699.4	0.34	0.00	1.06
3,619.0	18.40	342.40	3,501.9	691.6	-231.0	729.1	0.45	-0.11	1.38
3,712.0	19.10	340.90	3,590.0	720.0	-240.4	759.0	0.91	0.75	-1.61
3,806.0	19.70	343.60	3,678.7	749.7	-249.9	790.3	1.15	0.64	2.87
3,900.0	21.00	342.80	3,766.8	781.0	-259.3	822.9	1.41	1.38	-0.85
3,994.0	22.00	341.70	3,854.2	813.8	-269.8	857.4	1.15	1.06	-1.17
4,087.0	22.90	341.00	3,940.2	847.5	-281.2	892.9	1.01	0.97	-0.75
4,181.0	23.50	341.70	4,026.6	882.5	-293.0	929.9	0.70	0.64	0.74
4,275.0	23.10	342.40	4,112.9	917.9	-304.5	967.1	0.52	-0.43	0.74
4,368.0	22.20	341.70	4,198.8	952.0	-315.5	1,002.9	1.01	-0.97	-0.75
4,462.0	21.80	340.50	4,285.9	985.3	-326.9	1,038.1	0.64	-0.43	-1.28
4,556.0	21.40	339.10	4,373.3	1,017.8	-338.9	1,072.7	0.69	-0.43	-1.49
4,649.0	21.10	340.00	4,460.0	1,049.3	-350.7	1,106.4	0.48	-0.32	0.97
4,743.0	22.00	339.30	4,547.4	1,081.7	-362.7	1,140.9	1.00	0.96	-0.74
4,837.0	21.70	341.60	4,634.7	1,114.7	-374.4	1,175.9	0.96	-0.32	2.45
4,931.0	20.10	343.30	4,722.5	1,146.6	-384.5	1,209.4	1.82	-1.70	1.81
5,024.0	19.00	345.10	4,810.1	1,176.6	-393.0	1,240.5	1.35	-1.18	1.94
5,118.0	17.80	344.00	4,899.3	1,205.2	-400.9	1,270.1	1.33	-1.28	-1.17
5,212.0	17.10	344.20	4,989.0	1,232.3	-408.6	1,298.3	0.75	-0.74	0.21
5,305.0	16.30	344.30	5,078.1	1,258.0	-415.9	1,325.0	0.86	-0.86	0.11
5,399.0	14.20	345.40	5,168.7	1,281.9	-422.3	1,349.7	2.26	-2.23	1.17
5,493.0	12.00	343.40	5,260.3	1,302.4	-428.0	1,370.9	2.39	-2.34	-2.13
5,586.0	10.10	342.50	5,351.6	1,319.4	-433.3	1,388.7	2.05	-2.04	-0.97
5,680.0	8.20	343.00	5,444.4	1,333.7	-437.7	1,403.7	2.02	-2.02	0.53
5,774.0	6.50	342.80	5,537.6	1,345.2	-441.2	1,415.7	1.81	-1.81	-0.21
5,867.0	5.90	342.00	5,630.0	1,354.8	-444.3	1,425.8	0.65	-0.65	-0.86
5,961.0	4.80	346.30	5,723.6	1,363.2	-446.7	1,434.5	1.24	-1.17	4.57

Company:	BAYSWATER EXPLORATION & PRODUCTION	Local Co-ordinate Reference:	Well Bosworth-Bailey 9-31
Project:	SEC.31-T7N-R66W	TVD Reference:	WELL @ 4885.0ft (Original Well Elev)
Site:	Bosworth-Bailey 9-31 Pad Sec.31-T7N-R66W	MD Reference:	WELL @ 4885.0ft (Original Well Elev)
Well:	Bosworth-Bailey 9-31	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)
6,055.0	4.00	347.80	5,817.4	1,370.2	-448.3	1,441.7	0.86	-0.85	1.60
6,138.0	3.19	335.14	5,900.2	1,375.1	-449.9	1,446.9	1.36	-0.97	-15.25
TARGET BHL 2100'FSL, 665'FEL									
6,149.0	3.10	333.00	5,911.2	1,375.7	-450.2	1,447.5	1.36	-0.84	-19.51
6,242.0	2.60	325.70	6,004.1	1,379.7	-452.5	1,452.0	0.66	-0.54	-7.85
6,336.0	1.20	317.00	6,098.0	1,382.2	-454.4	1,454.9	1.52	-1.49	-9.26
6,429.0	0.70	306.00	6,191.0	1,383.2	-455.5	1,456.3	0.57	-0.54	-11.83
6,523.0	0.20	275.80	6,285.0	1,383.6	-456.1	1,456.8	0.57	-0.53	-32.13
6,617.0	0.40	244.80	6,379.0	1,383.4	-456.6	1,456.8	0.27	0.21	-32.98
6,711.0	0.60	194.90	6,473.0	1,382.8	-457.0	1,456.4	0.49	0.21	-53.09
6,804.0	0.90	189.80	6,566.0	1,381.6	-457.2	1,455.3	0.33	0.32	-5.48
6,898.0	1.10	168.60	6,660.0	1,380.0	-457.2	1,453.8	0.44	0.21	-22.55
6,992.0	1.40	170.50	6,753.9	1,378.0	-456.8	1,451.7	0.32	0.32	2.02
7,085.0	1.60	171.80	6,846.9	1,375.6	-456.5	1,449.3	0.22	0.22	1.40
7,179.0	2.20	174.60	6,940.9	1,372.5	-456.1	1,446.3	0.65	0.64	2.98
7,273.0	2.50	168.50	7,034.8	1,368.7	-455.5	1,442.5	0.42	0.32	-6.49
7,283.1	2.54	167.95	7,044.8	1,368.3	-455.4	1,442.1	0.49	0.42	-5.51
LEGAL BOX 400' X 400' 1986'FSL & 664'FEL									
7,366.0	2.90	164.00	7,127.7	1,364.4	-454.5	1,438.1	0.49	0.43	-4.76
7,460.0	3.30	153.00	7,221.5	1,359.7	-452.6	1,433.1	0.76	0.43	-11.70
7,554.0	3.70	140.80	7,315.4	1,355.0	-449.4	1,427.6	0.90	0.43	-12.98
7,647.0	4.20	136.80	7,408.1	1,350.2	-445.2	1,421.7	0.61	0.54	-4.30
7,741.0	4.60	134.90	7,501.9	1,345.0	-440.2	1,415.2	0.45	0.43	-2.02
7,800.0	4.70	134.80	7,560.7	1,341.6	-436.8	1,410.9	0.17	0.17	-0.17

Checked By: _____ Approved By: _____ Date: _____