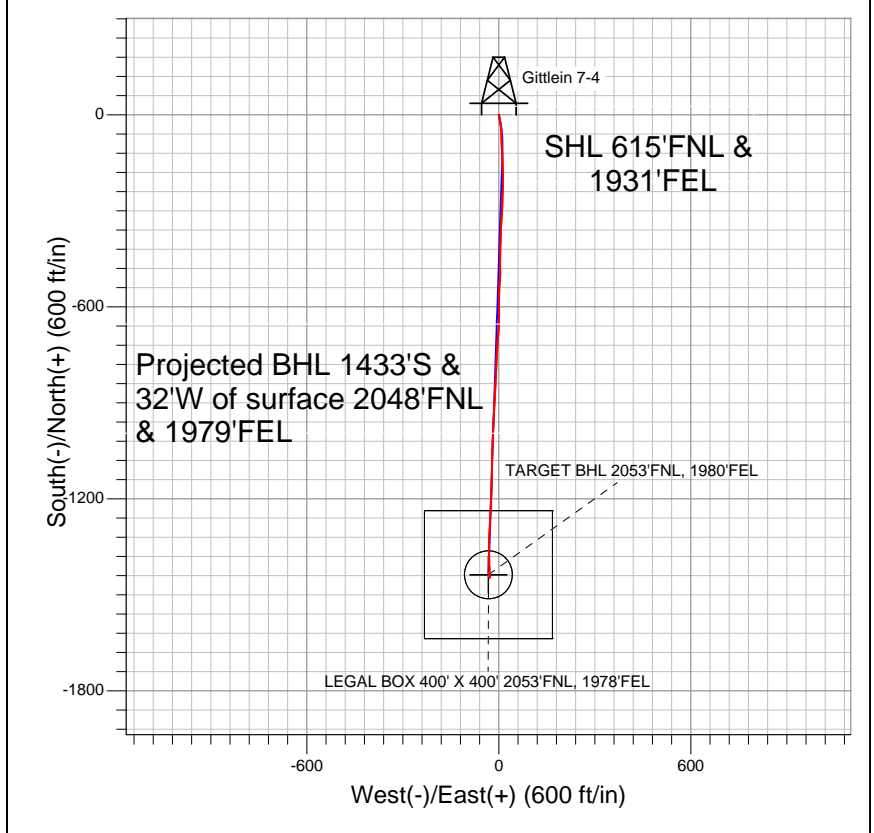


Well Name: Gittlein 7-4

Surface Location: Gittlein 7-4 Pad Sec.4-T1N-R67W
 North American Datum 1983 US State Plane 1983Colorado Northern Zone
 Ground Elevation: 5006.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1274703.05	3169740.73	40.085857	-104.893347	
Original Well Elev			WELL @ 5018.0ft (Original Well Elev)			

BAYSWATER EXPLORATION & PRODUCTION

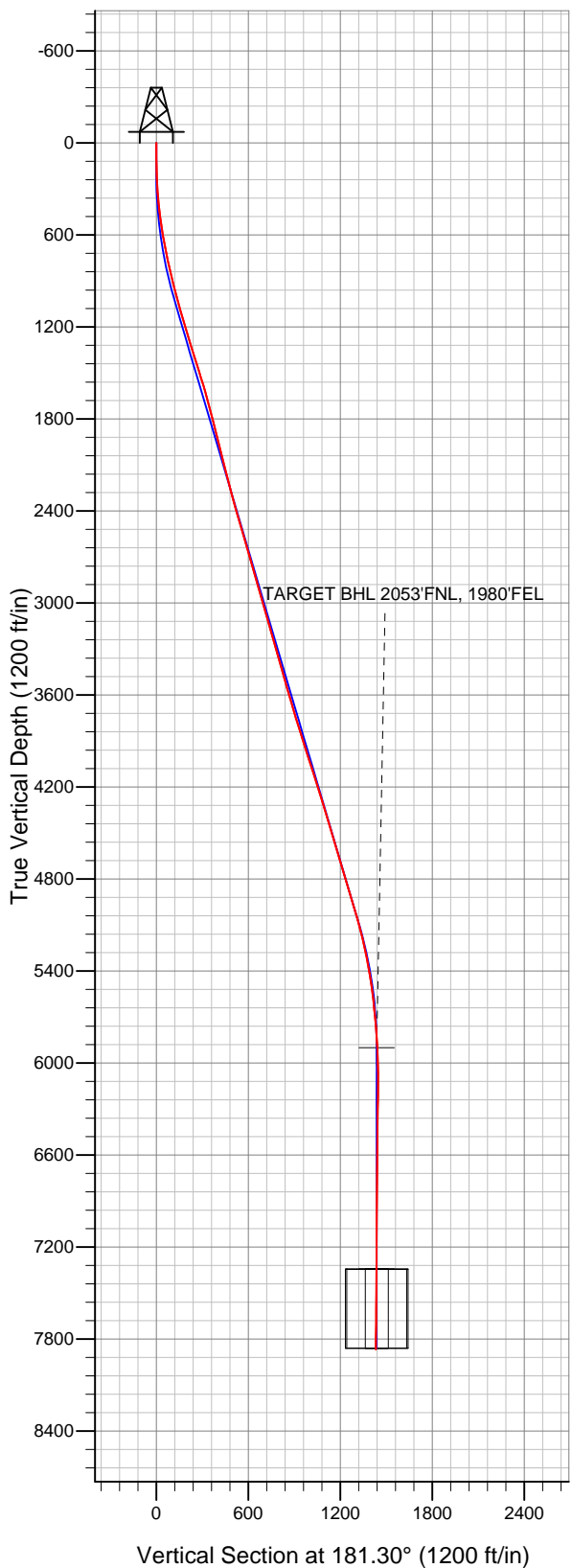


- LEGEND
- Wellbore #1
 - Gittlein 7-4, Wellbore #1, Plan #2 (4-16-12) V0
 - Survey #1

Final Survey Plot

Projected Final Survey -
 8060'MD & 7867'TVD @ 1433'VS
 0.30 deg Inc 35.00 deg AZ

Project: SEC.4-T1N-R67W
 Site: Gittlein 7-4 Pad Sec.4-T1N-R67W
 Well: Gittlein 7-4
 Plan: Wellbore #1





BAYSWATER EXPLORATION & PRODUCTION

SEC.4-T1N-R67W

Gittlein 7-4 Pad Sec.4-T1N-R67W

Gittlein 7-4

Wellbore #1

Survey: Survey #1

Standard Survey Report

24 April, 2012

Company:	BAYSWATER EXPLORATION & PRODUCTION	Local Co-ordinate Reference:	Well Gittlein 7-4
Project:	SEC.4-T1N-R67W	TVD Reference:	WELL @ 5018.0ft (Original Well Elev)
Site:	Gittlein 7-4 Pad Sec.4-T1N-R67W	MD Reference:	WELL @ 5018.0ft (Original Well Elev)
Well:	Gittlein 7-4	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

Project	SEC.4-T1N-R67W, 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		Using geodetic scale factor

Site		Gittlein 7-4 Pad Sec.4-T1N-R67W			
Site Position:		Northing:	1,274,703.06ft	Latitude:	40.085857
From:	Lat/Long	Easting:	3,169,740.73ft	Longitude:	-104.893347
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.39 °

Well	Gittlein 7-4					
Well Position	+N/-S	0.0 ft	Northing:	1,274,703.05 ft	Latitude:	40.085857
	+E/-W	0.0 ft	Easting:	3,169,740.73 ft	Longitude:	-104.893347
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,006.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	4/10/2012	8.79	66.75	52,864

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	181.30	

Survey Program		Date	4/24/2012	
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
99.0	8,060.0	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
	99.0	0.60	206.10	99.0	-0.5	-0.2	0.5	0.61	0.61	0.00
	187.0	1.70	164.30	187.0	-2.1	-0.1	2.1	1.49	1.25	-47.50
	276.0	3.50	168.80	275.9	-6.1	0.8	6.1	2.03	2.02	5.06
	367.0	5.20	169.10	366.6	-12.8	2.1	12.8	1.87	1.87	0.33
	457.0	7.20	169.50	456.1	-22.4	3.9	22.3	2.22	2.22	0.44
	549.0	8.70	170.60	547.2	-34.9	6.1	34.8	1.64	1.63	1.20
	640.0	10.20	177.80	637.0	-49.8	7.5	49.6	2.10	1.65	7.91
	734.0	11.90	179.60	729.2	-67.8	7.9	67.6	1.85	1.81	1.91
	828.0	12.80	178.00	821.0	-87.9	8.4	87.7	1.02	0.96	-1.70
	866.0	13.30	178.90	858.1	-96.5	8.6	96.2	1.42	1.32	2.37
	960.0	13.70	175.50	949.5	-118.4	9.7	118.1	0.95	0.43	-3.62

Company:	BAYSWATER EXPLORATION & PRODUCTION	Local Co-ordinate Reference:	Well Gittlein 7-4
Project:	SEC.4-T1N-R67W	TVD Reference:	WELL @ 5018.0ft (Original Well Elev)
Site:	Gittlein 7-4 Pad Sec.4-T1N-R67W	MD Reference:	WELL @ 5018.0ft (Original Well Elev)
Well:	Gittlein 7-4	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)
1,054.0	16.70	175.80	1,040.2	-142.9	11.5	142.6	3.19	3.19	0.32
1,147.0	16.70	179.80	1,129.3	-169.6	12.6	169.3	1.24	0.00	4.30
1,241.0	16.20	179.30	1,219.4	-196.2	12.8	195.9	0.55	-0.53	-0.53
1,335.0	16.50	181.70	1,309.6	-222.7	12.5	222.4	0.79	0.32	2.55
1,428.0	17.50	182.50	1,398.5	-249.9	11.5	249.5	1.10	1.08	0.86
1,522.0	17.80	181.10	1,488.1	-278.4	10.6	278.0	0.55	0.32	-1.49
1,616.0	16.70	184.40	1,577.9	-306.2	9.3	305.9	1.57	-1.17	3.51
1,710.0	15.50	183.40	1,668.2	-332.2	7.5	331.9	1.31	-1.28	-1.06
1,803.0	14.90	181.80	1,757.9	-356.6	6.4	356.3	0.79	-0.65	-1.72
1,897.0	13.90	182.70	1,849.0	-379.9	5.5	379.7	1.09	-1.06	0.96
1,991.0	13.70	181.80	1,940.3	-402.3	4.6	402.1	0.31	-0.21	-0.96
2,084.0	14.80	180.90	2,030.4	-425.2	4.1	425.0	1.21	1.18	-0.97
2,178.0	14.30	180.40	2,121.4	-448.8	3.8	448.6	0.55	-0.53	-0.53
2,272.0	14.60	179.60	2,212.4	-472.3	3.8	472.1	0.38	0.32	-0.85
2,365.0	14.50	180.10	2,302.4	-495.6	3.9	495.4	0.17	-0.11	0.54
2,459.0	16.30	182.80	2,393.1	-520.6	3.2	520.4	2.06	1.91	2.87
2,553.0	16.00	183.40	2,483.4	-546.7	1.8	546.5	0.37	-0.32	0.64
2,646.0	15.90	183.30	2,572.8	-572.2	0.3	572.0	0.11	-0.11	-0.11
2,740.0	16.10	179.00	2,663.1	-598.1	-0.2	597.9	1.28	0.21	-4.57
2,834.0	15.80	178.50	2,753.5	-623.9	0.4	623.7	0.35	-0.32	-0.53
2,928.0	16.40	181.60	2,843.8	-650.0	0.3	649.8	1.12	0.64	3.30
3,021.0	16.60	185.80	2,933.0	-676.3	-1.4	676.2	1.30	0.22	4.52
3,115.0	16.10	184.60	3,023.2	-702.7	-3.8	702.6	0.64	-0.53	-1.28
3,209.0	16.00	183.00	3,113.5	-728.6	-5.5	728.5	0.48	-0.11	-1.70
3,302.0	15.30	182.30	3,203.1	-753.6	-6.7	753.6	0.78	-0.75	-0.75
3,396.0	16.50	183.80	3,293.5	-779.4	-8.0	779.3	1.35	1.28	1.60
3,490.0	15.80	181.50	3,383.8	-805.5	-9.3	805.5	1.01	-0.74	-2.45
3,583.0	15.30	182.50	3,473.4	-830.4	-10.1	830.4	0.61	-0.54	1.08
3,677.0	15.90	182.40	3,563.9	-855.6	-11.2	855.7	0.64	0.64	-0.11
3,771.0	16.50	182.80	3,654.2	-881.8	-12.4	881.9	0.65	0.64	0.43
3,864.0	17.10	183.90	3,743.2	-908.7	-14.0	908.8	0.73	0.65	1.18
3,958.0	17.50	184.10	3,833.0	-936.6	-15.9	936.7	0.43	0.43	0.21
4,052.0	17.00	181.10	3,922.7	-964.4	-17.2	964.5	1.09	-0.53	-3.19
4,145.0	17.80	182.60	4,011.5	-992.2	-18.1	992.3	0.99	0.86	1.61
4,239.0	17.60	183.50	4,101.0	-1,020.7	-19.6	1,020.9	0.36	-0.21	0.96
4,333.0	17.90	179.70	4,190.6	-1,049.4	-20.4	1,049.6	1.27	0.32	-4.04
4,427.0	18.50	182.10	4,279.9	-1,078.7	-20.9	1,078.9	1.02	0.64	2.55
4,520.0	16.70	181.30	4,368.5	-1,106.8	-21.7	1,107.0	1.95	-1.94	-0.86
4,614.0	16.10	181.50	4,458.7	-1,133.3	-22.4	1,133.6	0.64	-0.64	0.21
4,708.0	15.90	180.60	4,549.0	-1,159.3	-22.8	1,159.5	0.34	-0.21	-0.96
4,801.0	16.30	181.60	4,638.4	-1,185.0	-23.3	1,185.3	0.52	0.43	1.08
4,895.0	17.10	182.60	4,728.4	-1,212.0	-24.3	1,212.3	0.90	0.85	1.06
4,989.0	17.00	184.40	4,818.3	-1,239.5	-26.0	1,239.8	0.57	-0.11	1.91
5,082.0	16.40	182.60	4,907.4	-1,266.2	-27.7	1,266.5	0.85	-0.65	-1.94
5,176.0	16.70	183.10	4,997.5	-1,292.9	-29.0	1,293.3	0.35	0.32	0.53
5,270.0	15.30	182.20	5,087.8	-1,318.8	-30.2	1,319.2	1.51	-1.49	-0.96
5,363.0	14.30	181.20	5,177.7	-1,342.6	-30.9	1,342.9	1.11	-1.08	-1.08
5,457.0	11.70	178.80	5,269.3	-1,363.7	-31.0	1,364.1	2.82	-2.77	-2.55
5,551.0	10.20	177.70	5,361.6	-1,381.6	-30.4	1,381.9	1.61	-1.60	-1.17
5,645.0	8.50	179.10	5,454.4	-1,396.8	-30.0	1,397.1	1.82	-1.81	1.49
5,738.0	7.40	178.50	5,546.5	-1,409.7	-29.7	1,410.0	1.19	-1.18	-0.65
5,832.0	6.30	180.00	5,639.8	-1,420.9	-29.6	1,421.2	1.19	-1.17	1.60
5,926.0	4.90	183.30	5,733.3	-1,430.1	-29.8	1,430.4	1.53	-1.49	3.51

Company:	BAYSWATER EXPLORATION & PRODUCTION	Local Co-ordinate Reference:	Well Gittlein 7-4
Project:	SEC.4-T1N-R67W	TVD Reference:	WELL @ 5018.0ft (Original Well Elev)
Site:	Gittlein 7-4 Pad Sec.4-T1N-R67W	MD Reference:	WELL @ 5018.0ft (Original Well Elev)
Well:	Gittlein 7-4	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)
6,019.0	3.90	181.50	5,826.1	-1,437.2	-30.1	1,437.5	1.09	-1.08	-1.94
6,092.8	2.85	168.13	5,899.8	-1,441.5	-29.8	1,441.8	1.77	-1.43	-18.10
TARGET BHL 2053'FNL, 1980'FEL									
6,113.0	2.60	162.70	5,919.9	-1,442.4	-29.5	1,442.7	1.77	-1.23	-26.94
6,207.0	1.50	171.00	6,013.9	-1,445.7	-28.7	1,445.9	1.21	-1.17	8.83
6,300.0	0.30	23.40	6,106.8	-1,446.6	-28.4	1,446.9	1.89	-1.29	-158.71
6,394.0	0.70	336.80	6,200.8	-1,445.9	-28.6	1,446.2	0.57	0.43	-49.57
6,488.0	0.90	312.30	6,294.8	-1,444.9	-29.3	1,445.2	0.42	0.21	-26.06
6,581.0	1.00	324.50	6,387.8	-1,443.7	-30.3	1,444.0	0.24	0.11	13.12
6,675.0	0.70	335.50	6,481.8	-1,442.5	-31.1	1,442.9	0.36	-0.32	11.70
6,769.0	0.60	340.30	6,575.8	-1,441.5	-31.5	1,441.9	0.12	-0.11	5.11
6,862.0	0.60	12.00	6,668.8	-1,440.6	-31.5	1,441.0	0.35	0.00	34.09
6,956.0	0.40	20.40	6,762.8	-1,439.8	-31.3	1,440.2	0.23	-0.21	8.94
7,050.0	0.50	337.60	6,856.8	-1,439.1	-31.4	1,439.5	0.36	0.11	-45.53
7,144.0	0.40	14.00	6,950.8	-1,438.4	-31.4	1,438.8	0.32	-0.11	38.72
7,237.0	0.50	4.90	7,043.8	-1,437.7	-31.3	1,438.1	0.13	0.11	-9.78
7,331.0	0.40	12.50	7,137.8	-1,437.0	-31.2	1,437.3	0.12	-0.11	8.09
7,425.0	0.20	359.80	7,231.8	-1,436.5	-31.1	1,436.8	0.22	-0.21	-13.51
7,518.0	0.40	307.20	7,324.8	-1,436.1	-31.4	1,436.5	0.34	0.22	-56.56
7,537.2	0.40	305.57	7,344.0	-1,436.1	-31.5	1,436.4	0.06	0.00	-8.50
LEGAL BOX 400' X 400' 2053'FNL, 1978'FEL - TARGET CIRCLE 2053'FNL & 1980'FEL									
7,612.0	0.40	299.20	7,418.8	-1,435.8	-31.9	1,436.1	0.06	0.00	-8.51
7,706.0	0.50	9.80	7,512.8	-1,435.2	-32.2	1,435.6	0.56	0.11	75.11
7,799.0	0.50	2.00	7,605.8	-1,434.4	-32.1	1,434.8	0.07	0.00	-8.39
7,893.0	0.40	13.40	7,699.8	-1,433.7	-32.0	1,434.0	0.14	-0.11	12.13
7,987.0	0.40	350.50	7,793.8	-1,433.0	-32.0	1,433.4	0.17	0.00	-24.36
8,060.0	0.30	35.00	7,866.8	-1,432.6	-31.9	1,433.0	0.38	-0.14	60.96

Checked By: _____	Approved By: _____	Date: _____
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