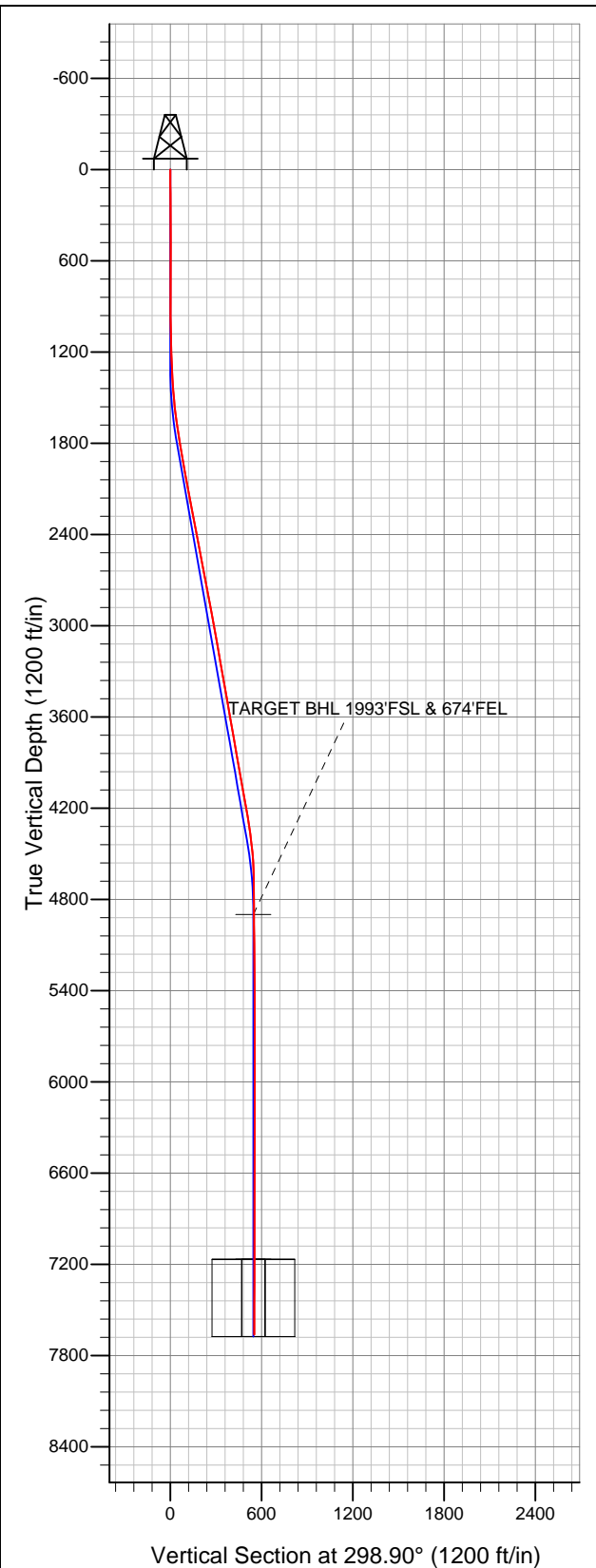


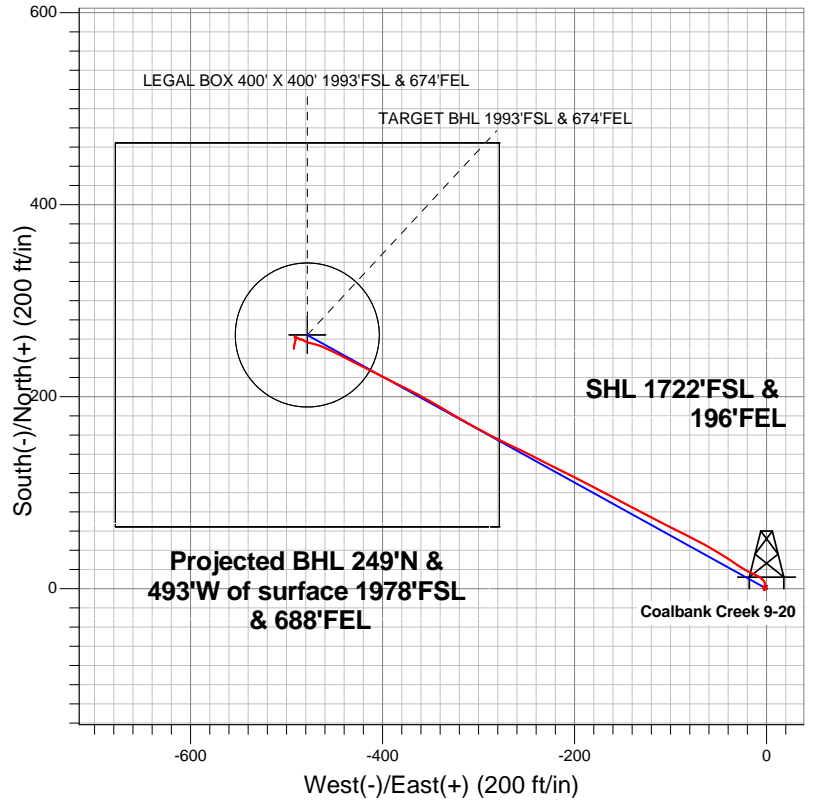
Well Name: Coalbank Creek 9-20

Surface Location: Coalbank Creek 9-20 Pad Sec.20-T7N-R66W
 North American Datum 1983 US State Plane 1983Colorado Northern Zone
 Ground Elevation: 4932.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1446848.51	3196358.17	40.557851	-104.793317	
Original Well Elev						
WELL @ 4942.0ft (Original Well Elev)						



BAYSWATER EXPLORATION & PRODUCTION



LEGEND

- Wellbore #1
- Coalbank Creek 9-20, Wellbore #1, Plan #2 (7-09-12) R V0
- Survey #1

Final Survey Plot

Projected Final Survey -
 7708'MD & 7662'TVD @ 552'VS
 0.60 deg Inc 189.30 deg AZ

Project: SEC.20-T7N-R66W
 Site: Coalbank Creek 9-20 Pad Sec.20-T7N-R66W
 Well: Coalbank Creek 9-20
 Plan: Wellbore #1



BAYSWATER EXPLORATION & PRODUCTION

SEC.20-T7N-R66W

Coalbank Creek 9-20 Pad Sec.20-T7N-R66W

Coalbank Creek 9-20

Wellbore #1

Survey: Survey #1

Standard Survey Report

24 July, 2012

Company:	BAYSWATER EXPLORATION & PRODUCTION	Local Co-ordinate Reference:	Well Coalbank Creek 9-20
Project:	SEC.20-T7N-R66W	TVD Reference:	WELL @ 4942.0ft (Original Well Elev)
Site:	Coalbank Creek 9-20 Pad Sec.20-T7N-R66W	MD Reference:	WELL @ 4942.0ft (Original Well Elev)
Well:	Coalbank Creek 9-20	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

Project	SEC.20-T7N-R66W, 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		Coalbank Creek 9-20 Pad Sec.20-T7N-R66W			
Site Position:		Northing:		1,446,597.85 ft	
From:	Lat/Long	Easting:		Longitude:	
		3,195,394.00 ft		-104.796794	
Position Uncertainty:		Slot Radius:		Grid Convergence:	
0.0 ft		"		0.45 °	

Well	Coalbank Creek 9-20					
Well Position	+N-S	0.0 ft	Northing:	1,446,848.51 ft	Latitude:	40.557851
	+E-W	0.0 ft	Easting:	3,196,358.17 ft	Longitude:	-104.793317
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,932.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	7/9/2012	8.75	67.14	53,098

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	298.90	

Survey Program		Date		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
96.0	7,708.0	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
	96.0	1.60	236.70	96.0	-0.7	-1.1	0.6	1.67	1.67	0.00
	219.0	0.40	269.60	219.0	-1.7	-3.0	1.8	1.04	-0.98	26.75
	340.0	1.10	45.30	340.0	-0.9	-2.6	1.8	1.17	0.58	112.15
	463.0	1.20	37.20	462.9	1.0	-1.0	1.3	0.15	0.08	-6.59
	586.0	0.70	34.40	585.9	2.6	0.2	1.1	0.41	-0.41	-2.28
	711.0	0.60	242.50	710.9	3.0	0.1	1.4	1.01	-0.08	-121.52
	824.0	1.10	240.60	823.9	2.2	-1.4	2.3	0.44	0.44	-1.68
	870.0	1.10	240.60	869.9	1.7	-2.1	2.7	0.00	0.00	0.00
	893.0	2.00	232.40	892.9	1.4	-2.7	3.0	4.02	3.91	-35.65
	1,017.0	1.00	62.50	1,016.9	0.5	-3.4	3.3	2.41	-0.81	-137.02
	1,142.0	2.50	11.60	1,141.8	3.7	-1.9	3.5	1.62	1.20	-40.72

Company:	BAYSWATER EXPLORATION & PRODUCTION	Local Co-ordinate Reference:	Well Coalbank Creek 9-20
Project:	SEC.20-T7N-R66W	TVD Reference:	WELL @ 4942.0ft (Original Well Elev)
Site:	Coalbank Creek 9-20 Pad Sec.20-T7N-R66W	MD Reference:	WELL @ 4942.0ft (Original Well Elev)
Well:	Coalbank Creek 9-20	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)
1,267.0	3.20	316.20	1,266.7	8.9	-3.8	7.6	2.18	0.56	-44.32
1,392.0	3.90	296.30	1,391.4	13.3	-10.0	15.2	1.13	0.56	-15.92
1,516.0	5.50	296.00	1,515.0	17.8	-19.1	25.3	1.29	1.29	-0.24
1,641.0	7.40	305.10	1,639.2	25.0	-31.1	39.3	1.72	1.52	7.28
1,766.0	9.00	301.80	1,762.9	34.8	-46.0	57.1	1.33	1.28	-2.64
1,891.0	10.10	298.80	1,886.2	45.3	-63.9	77.8	0.97	0.88	-2.40
2,015.0	10.20	296.00	2,008.3	55.3	-83.3	99.6	0.41	0.08	-2.26
2,140.0	11.00	297.90	2,131.1	65.7	-103.8	122.6	0.70	0.64	1.52
2,265.0	10.40	296.50	2,254.0	76.4	-124.4	145.8	0.52	-0.48	-1.12
2,390.0	11.20	298.40	2,376.7	87.2	-145.2	169.2	0.70	0.64	1.52
2,514.0	10.60	297.00	2,498.5	98.1	-165.9	192.7	0.53	-0.48	-1.13
2,639.0	10.90	298.10	2,621.3	108.9	-186.6	216.0	0.29	0.24	0.88
2,764.0	10.70	296.00	2,744.1	119.5	-207.5	239.4	0.35	-0.16	-1.68
2,889.0	10.70	297.60	2,866.9	130.0	-228.2	262.6	0.24	0.00	1.28
3,013.0	10.60	296.70	2,988.8	140.4	-248.6	285.5	0.16	-0.08	-0.73
3,138.0	9.70	294.40	3,111.8	149.9	-268.4	307.5	0.79	-0.72	-1.84
3,263.0	10.00	298.30	3,235.0	159.4	-287.6	328.8	0.59	0.24	3.12
3,388.0	9.70	298.40	3,358.2	169.6	-306.4	350.2	0.24	-0.24	0.08
3,512.0	10.30	300.70	3,480.3	180.2	-325.1	371.7	0.58	0.48	1.85
3,637.0	10.20	301.10	3,603.3	191.6	-344.2	394.0	0.10	-0.08	0.32
3,762.0	9.90	297.00	3,726.4	202.2	-363.3	415.8	0.62	-0.24	-3.28
3,887.0	9.70	296.20	3,849.5	211.8	-382.3	437.0	0.19	-0.16	-0.64
4,012.0	10.00	297.00	3,972.7	221.3	-401.4	458.4	0.26	0.24	0.64
4,136.0	10.60	296.70	4,094.7	231.4	-421.2	480.5	0.49	0.48	-0.24
4,261.0	9.70	297.40	4,217.7	241.4	-440.8	502.6	0.73	-0.72	0.56
4,386.0	8.20	294.40	4,341.2	249.9	-458.3	522.0	1.26	-1.20	-2.40
4,511.0	6.40	283.20	4,465.2	255.2	-473.2	537.6	1.83	-1.44	-8.96
4,635.0	2.60	303.20	4,588.8	258.3	-482.3	547.0	3.27	-3.06	16.13
4,760.0	0.50	239.70	4,713.8	259.6	-485.1	550.1	1.93	-1.68	-50.80
4,885.0	0.30	251.90	4,838.7	259.2	-485.9	550.6	0.17	-0.16	9.76
4,946.2	0.34	292.43	4,900.0	259.2	-486.2	550.9	0.37	0.07	66.21
TARGET BHL 1993'FSL & 674'FEL									
5,010.0	0.50	316.40	4,963.7	259.5	-486.6	551.4	0.37	0.25	37.58
5,134.0	0.50	317.80	5,087.7	260.3	-487.3	552.4	0.01	0.00	1.13
5,259.0	0.50	298.30	5,212.7	260.9	-488.2	553.5	0.14	0.00	-15.60
5,384.0	0.40	276.70	5,337.7	261.3	-489.1	554.4	0.16	-0.08	-17.28
5,509.0	0.40	245.50	5,462.7	261.1	-489.9	555.1	0.17	0.00	-24.96
5,633.0	0.50	265.20	5,586.7	260.9	-490.8	555.8	0.15	0.08	15.89
5,758.0	0.60	331.30	5,711.7	261.4	-491.7	556.8	0.48	0.08	52.88
5,883.0	0.50	54.80	5,836.7	262.3	-491.6	557.1	0.59	-0.08	66.80
6,008.0	0.40	109.50	5,961.7	262.5	-490.7	556.4	0.34	-0.08	43.76
6,164.0	0.30	145.20	6,117.7	262.0	-490.0	555.5	0.15	-0.06	22.88
6,257.0	0.40	187.40	6,210.7	261.4	-489.9	555.2	0.29	0.11	45.38
6,382.0	0.40	190.20	6,335.7	260.6	-490.0	554.9	0.02	0.00	2.24
6,507.0	0.40	210.20	6,460.7	259.8	-490.3	554.8	0.11	0.00	16.00
6,631.0	0.30	204.20	6,584.7	259.1	-490.6	554.8	0.09	-0.08	-4.84
6,756.0	0.40	182.60	6,709.7	258.4	-490.8	554.5	0.13	0.08	-17.28
6,881.0	0.40	196.80	6,834.7	257.5	-490.9	554.3	0.08	0.00	11.36
7,006.0	0.50	205.50	6,959.7	256.6	-491.3	554.1	0.10	0.08	6.96
7,131.0	0.60	190.50	7,084.7	255.5	-491.7	553.9	0.14	0.08	-12.00
7,213.2	0.60	190.50	7,166.9	254.6	-491.8	553.6	0.00	0.00	0.00
LEGAL BOX 400' X 400' 1993'FSL & 674'FEL - TARGET CIRCLE 1993'FSL & 674'FEL									
7,255.0	0.60	190.50	7,208.7	254.2	-491.9	553.5	0.00	0.00	0.00

Company:	BAYSWATER EXPLORATION & PRODUCTION	Local Co-ordinate Reference:	Well Coalbank Creek 9-20
Project:	SEC.20-T7N-R66W	TVD Reference:	WELL @ 4942.0ft (Original Well Elev)
Site:	Coalbank Creek 9-20 Pad Sec.20-T7N-R66W	MD Reference:	WELL @ 4942.0ft (Original Well Elev)
Well:	Coalbank Creek 9-20	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)
7,380.0	0.50	188.90	7,333.7	253.0	-492.1	553.1	0.08	-0.08	-1.28
7,505.0	0.60	186.80	7,458.7	251.8	-492.3	552.7	0.08	0.08	-1.68
7,662.0	0.60	189.30	7,615.7	250.2	-492.5	552.1	0.02	0.00	1.59
7,708.0	0.60	189.30	7,661.7	249.7	-492.6	551.9	0.00	0.00	0.00

Checked By: _____	Approved By: _____	Date: _____
-------------------	--------------------	-------------