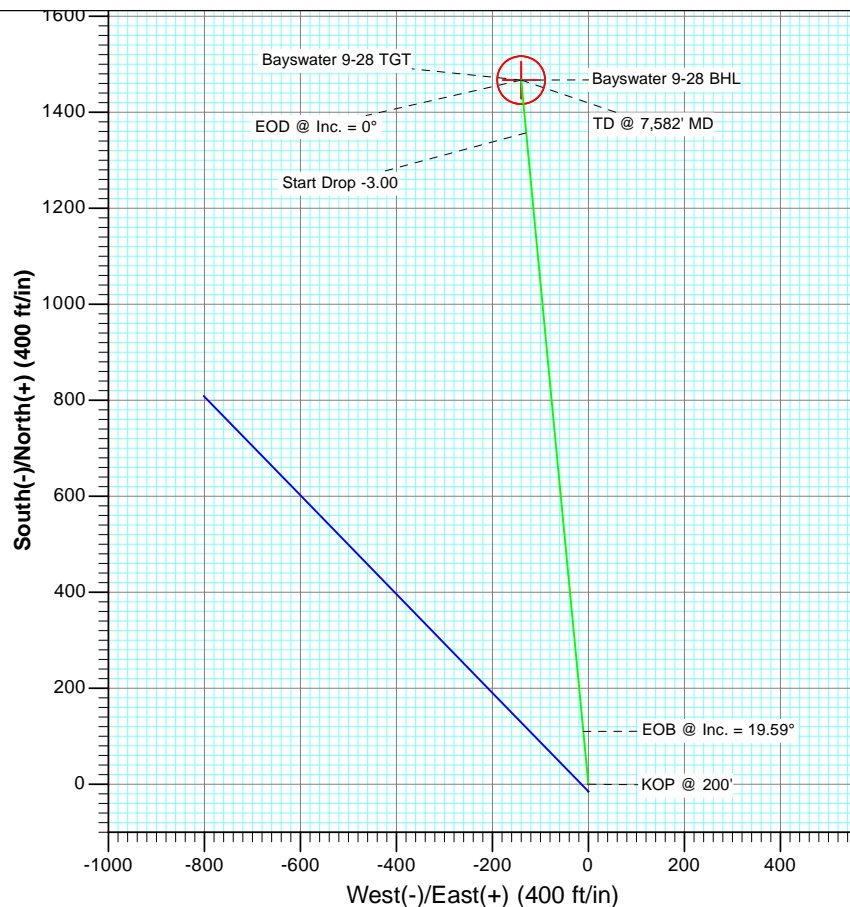


#### SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.0	
3	853.0	19.59	354.55	840.4	110.1	-10.5	3.00	354.55	110.6	
4	4588.5	19.59	354.55	4359.6	1356.9	-129.5	0.00	0.00	1363.1	
5	5241.6	0.00	360.00	5000.0	1467.0	-140.0	3.00	180.00	1473.7	Bayswater 9-28 TGT
6	7581.6	0.00	360.00	7340.0	1467.0	-140.0	0.00	360.00	1473.7	Bayswater 9-28 BHL



#### FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3781.0	3974.3	Larimer (Parkman)
6831.0	7072.6	Niobrara
7077.0	7318.6	Fort Hays
7121.0	7362.6	Codell
7167.0	7408.6	Greenhorn
7253.0	7494.6	Graneros



Azimuths to Grid North  
 True North: 6.56°  
 Magnetic North: 19.00°  
 Magnetic Field  
 Strength: 49143.1nT  
 Dip Angle: 61.30°  
 Date: 6/29/2011  
 Model: IGRF2010

Plan #1  
 Bayswater Weld County 9-28

KBE @ 4881.0ft (Original Well Elev)  
 North American Datum 1983  
 Well Bayswater Weld County 9-28, Grid North

Target	Azimuth	Origin Type	N/S	E/W	From TVD
No Target (Freehand)	354.55	Slot	0.0	0.0	0.0
Name	TVD	+N/-S	+E/-W	Latitude	Longitude
Bayswater 9-28 TGT	5000.0	1467.0	-140.0	36.122274	-115.654634
Bayswater 9-28 BHL	7340.0	1467.0	-140.0	36.122274	-115.654634

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Bayswater Weld County 9-28
<b>Company:</b>	Bayswater	<b>TVD Reference:</b>	KBE @ 4881.0ft (Original Well Elev)
<b>Project:</b>	Weld County, CO	<b>MD Reference:</b>	KBE @ 4881.0ft (Original Well Elev)
<b>Site:</b>	SESE 28 T7N R64W	<b>North Reference:</b>	Grid
<b>Well:</b>	Bayswater Weld County 9-28	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	DD		
<b>Design:</b>	Plan #1		

<b>Project</b>	Weld County, CO		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Colorado Northern Zone		

Site		SESE 28 T7N R64W			
Site Position:		Northing:		0.00 ft	
From:		Easting:		0.00 ft	
Position Uncertainty:		Slot Radius:		13.200 in	
Map				Latitude:	
				Longitude:	
0.0 ft				-115.653598	
				Grid Convergence:	
				-6.56 °	

Well	Bayswater Weld County 9-28					
Well Position	+N/-S	0.0 ft	Northing:	0.00 ft	Latitude:	36.118325
	+E/-W	0.0 ft	Easting:	0.00 ft	Longitude:	-115.653598
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,871.0 ft

<b>Wellbore</b>	DD				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination</b>	<b>Dip Angle</b>	<b>Field Strength</b>
			(°)	(°)	(nT)
	IGRF2010	6/29/2011	12.44	61.30	49,143

<b>Design</b>	Plan #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Direction</b>
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	354.55

<b>Plan Sections</b>										
<b>Measured Depth</b>	<b>Inclination</b>	<b>Azimuth</b>	<b>Vertical Depth</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Dogleg Rate</b>	<b>Build Rate</b>	<b>Turn Rate</b>	<b>TFO</b>	<b>Target</b>
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)	(°)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.00	0.00	
853.0	19.59	354.55	840.4	110.1	-10.5	3.00	3.00	0.00	354.55	
4,588.5	19.59	354.55	4,359.6	1,356.9	-129.5	0.00	0.00	0.00	0.00	
5,241.6	0.00	360.00	5,000.0	1,467.0	-140.0	3.00	-3.00	0.00	180.00	Bayswater 9-28 TGT
7,581.6	0.00	360.00	7,340.0	1,467.0	-140.0	0.00	0.00	0.00	360.00	Bayswater 9-28 BHL

# Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Bayswater Weld County 9-28
<b>Company:</b>	Bayswater	<b>TVD Reference:</b>	KBE @ 4881.0ft (Original Well Elev)
<b>Project:</b>	Weld County, CO	<b>MD Reference:</b>	KBE @ 4881.0ft (Original Well Elev)
<b>Site:</b>	SESE 28 T7N R64W	<b>North Reference:</b>	Grid
<b>Well:</b>	Bayswater Weld County 9-28	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	DD		
<b>Design:</b>	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	KOP @ 200'
300.0	3.00	354.55	300.0	2.6	-0.2	2.6	3.00	3.00	
400.0	6.00	354.55	399.6	10.4	-1.0	10.5	3.00	3.00	
500.0	9.00	354.55	498.8	23.4	-2.2	23.5	3.00	3.00	
600.0	12.00	354.55	597.1	41.5	-4.0	41.7	3.00	3.00	
700.0	15.00	354.55	694.3	64.8	-6.2	65.1	3.00	3.00	
800.0	18.00	354.55	790.2	93.1	-8.9	93.5	3.00	3.00	
853.0	19.59	354.55	840.4	110.1	-10.5	110.6	3.00	3.00	EOB @ Inc. = 19.59°
900.0	19.59	354.55	884.6	125.7	-12.0	126.3	0.00	0.00	
1,000.0	19.59	354.55	978.8	159.1	-15.2	159.8	0.00	0.00	
1,100.0	19.59	354.55	1,073.1	192.5	-18.4	193.4	0.00	0.00	
1,200.0	19.59	354.55	1,167.3	225.9	-21.6	226.9	0.00	0.00	
1,300.0	19.59	354.55	1,261.5	259.3	-24.7	260.4	0.00	0.00	
1,400.0	19.59	354.55	1,355.7	292.6	-27.9	294.0	0.00	0.00	
1,500.0	19.59	354.55	1,449.9	326.0	-31.1	327.5	0.00	0.00	
1,600.0	19.59	354.55	1,544.1	359.4	-34.3	361.0	0.00	0.00	
1,700.0	19.59	354.55	1,638.3	392.8	-37.5	394.6	0.00	0.00	
1,800.0	19.59	354.55	1,732.5	426.2	-40.7	428.1	0.00	0.00	
1,900.0	19.59	354.55	1,826.7	459.5	-43.9	461.6	0.00	0.00	
2,000.0	19.59	354.55	1,920.9	492.9	-47.0	495.1	0.00	0.00	
2,100.0	19.59	354.55	2,015.2	526.3	-50.2	528.7	0.00	0.00	
2,200.0	19.59	354.55	2,109.4	559.7	-53.4	562.2	0.00	0.00	
2,300.0	19.59	354.55	2,203.6	593.0	-56.6	595.7	0.00	0.00	
2,400.0	19.59	354.55	2,297.8	626.4	-59.8	629.3	0.00	0.00	
2,500.0	19.59	354.55	2,392.0	659.8	-63.0	662.8	0.00	0.00	
2,600.0	19.59	354.55	2,486.2	693.2	-66.2	696.3	0.00	0.00	
2,700.0	19.59	354.55	2,580.4	726.6	-69.3	729.9	0.00	0.00	
2,800.0	19.59	354.55	2,674.6	759.9	-72.5	763.4	0.00	0.00	
2,900.0	19.59	354.55	2,768.8	793.3	-75.7	796.9	0.00	0.00	
3,000.0	19.59	354.55	2,863.1	826.7	-78.9	830.5	0.00	0.00	
3,100.0	19.59	354.55	2,957.3	860.1	-82.1	864.0	0.00	0.00	
3,200.0	19.59	354.55	3,051.5	893.5	-85.3	897.5	0.00	0.00	
3,300.0	19.59	354.55	3,145.7	926.8	-88.5	931.1	0.00	0.00	
3,400.0	19.59	354.55	3,239.9	960.2	-91.6	964.6	0.00	0.00	
3,500.0	19.59	354.55	3,334.1	993.6	-94.8	998.1	0.00	0.00	
3,600.0	19.59	354.55	3,428.3	1,027.0	-98.0	1,031.6	0.00	0.00	
3,700.0	19.59	354.55	3,522.5	1,060.4	-101.2	1,065.2	0.00	0.00	
3,800.0	19.59	354.55	3,616.7	1,093.7	-104.4	1,098.7	0.00	0.00	
3,900.0	19.59	354.55	3,711.0	1,127.1	-107.6	1,132.2	0.00	0.00	
3,974.3	19.59	354.55	3,781.0	1,151.9	-109.9	1,157.2	0.00	0.00	Larimer (Parkman)
4,000.0	19.59	354.55	3,805.2	1,160.5	-110.7	1,165.8	0.00	0.00	
4,100.0	19.59	354.55	3,899.4	1,193.9	-113.9	1,199.3	0.00	0.00	
4,200.0	19.59	354.55	3,993.6	1,227.3	-117.1	1,232.8	0.00	0.00	
4,300.0	19.59	354.55	4,087.8	1,260.6	-120.3	1,266.4	0.00	0.00	
4,400.0	19.59	354.55	4,182.0	1,294.0	-123.5	1,299.9	0.00	0.00	
4,500.0	19.59	354.55	4,276.2	1,327.4	-126.7	1,333.4	0.00	0.00	
4,588.5	19.59	354.55	4,359.6	1,356.9	-129.5	1,363.1	0.00	0.00	Start Drop -3.00
4,600.0	19.25	354.55	4,370.4	1,360.7	-129.9	1,366.9	3.00	-3.00	
4,700.0	16.25	354.55	4,465.7	1,391.1	-132.8	1,397.4	3.00	-3.00	
4,800.0	13.25	354.55	4,562.4	1,416.4	-135.2	1,422.8	3.00	-3.00	

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Bayswater Weld County 9-28
<b>Company:</b>	Bayswater	<b>TVD Reference:</b>	KBE @ 4881.0ft (Original Well Elev)
<b>Project:</b>	Weld County, CO	<b>MD Reference:</b>	KBE @ 4881.0ft (Original Well Elev)
<b>Site:</b>	SESE 28 T7N R64W	<b>North Reference:</b>	Grid
<b>Well:</b>	Bayswater Weld County 9-28	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	DD		
<b>Design:</b>	Plan #1		

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
4,900.0	10.25	354.55	4,660.3	1,436.7	-137.1	1,443.2	3.00	-3.00	
5,000.0	7.25	354.55	4,759.1	1,451.8	-138.6	1,458.4	3.00	-3.00	
5,100.0	4.25	354.55	4,858.6	1,461.8	-139.5	1,468.4	3.00	-3.00	
5,200.0	1.25	354.55	4,958.4	1,466.5	-140.0	1,473.2	3.00	-3.00	
5,241.6	0.00	360.00	5,000.0	1,467.0	-140.0	1,473.7	3.00	-3.00	EOD @ Inc. = 0°
5,300.0	0.00	360.00	5,058.4	1,467.0	-140.0	1,473.7	0.00	0.00	
5,400.0	0.00	360.00	5,158.4	1,467.0	-140.0	1,473.7	0.00	0.00	
5,500.0	0.00	360.00	5,258.4	1,467.0	-140.0	1,473.7	0.00	0.00	
5,600.0	0.00	360.00	5,358.4	1,467.0	-140.0	1,473.7	0.00	0.00	
5,700.0	0.00	360.00	5,458.4	1,467.0	-140.0	1,473.7	0.00	0.00	
5,800.0	0.00	360.00	5,558.4	1,467.0	-140.0	1,473.7	0.00	0.00	
5,900.0	0.00	360.00	5,658.4	1,467.0	-140.0	1,473.7	0.00	0.00	
6,000.0	0.00	360.00	5,758.4	1,467.0	-140.0	1,473.7	0.00	0.00	
6,100.0	0.00	360.00	5,858.4	1,467.0	-140.0	1,473.7	0.00	0.00	
6,200.0	0.00	360.00	5,958.4	1,467.0	-140.0	1,473.7	0.00	0.00	
6,300.0	0.00	360.00	6,058.4	1,467.0	-140.0	1,473.7	0.00	0.00	
6,400.0	0.00	360.00	6,158.4	1,467.0	-140.0	1,473.7	0.00	0.00	
6,500.0	0.00	360.00	6,258.4	1,467.0	-140.0	1,473.7	0.00	0.00	
6,600.0	0.00	360.00	6,358.4	1,467.0	-140.0	1,473.7	0.00	0.00	
6,700.0	0.00	360.00	6,458.4	1,467.0	-140.0	1,473.7	0.00	0.00	
6,800.0	0.00	360.00	6,558.4	1,467.0	-140.0	1,473.7	0.00	0.00	
6,900.0	0.00	360.00	6,658.4	1,467.0	-140.0	1,473.7	0.00	0.00	
7,000.0	0.00	360.00	6,758.4	1,467.0	-140.0	1,473.7	0.00	0.00	
7,072.6	0.00	360.00	6,831.0	1,467.0	-140.0	1,473.7	0.00	0.00	Niobrara
7,100.0	0.00	360.00	6,858.4	1,467.0	-140.0	1,473.7	0.00	0.00	
7,200.0	0.00	360.00	6,958.4	1,467.0	-140.0	1,473.7	0.00	0.00	
7,300.0	0.00	360.00	7,058.4	1,467.0	-140.0	1,473.7	0.00	0.00	
7,318.6	0.00	360.00	7,077.0	1,467.0	-140.0	1,473.7	0.00	0.00	Fort Hays
7,362.6	0.00	360.00	7,121.0	1,467.0	-140.0	1,473.7	0.00	0.00	Codell
7,400.0	0.00	360.00	7,158.4	1,467.0	-140.0	1,473.7	0.00	0.00	
7,408.6	0.00	360.00	7,167.0	1,467.0	-140.0	1,473.7	0.00	0.00	Greenhorn
7,494.6	0.00	360.00	7,253.0	1,467.0	-140.0	1,473.7	0.00	0.00	Graneros
7,500.0	0.00	360.00	7,258.4	1,467.0	-140.0	1,473.7	0.00	0.00	
7,581.6	0.00	360.00	7,340.0	1,467.0	-140.0	1,473.7	0.00	0.00	TD @ 7,582' MD

### 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
Bayswater 9-28 TGT - plan hits target center - Point	0.00	360.00	5,000.0	1,467.0	-140.0	1,467.00	-140.00	36.122274	-115.654634
Bayswater 9-28 BHL - plan hits target center - Circle (radius 50.0)	0.00	360.00	7,340.0	1,467.0	-140.0	1,467.00	-140.00	36.122274	-115.654634

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Bayswater Weld County 9-28
<b>Company:</b>	Bayswater	<b>TVD Reference:</b>	KBE @ 4881.0ft (Original Well Elev)
<b>Project:</b>	Weld County, CO	<b>MD Reference:</b>	KBE @ 4881.0ft (Original Well Elev)
<b>Site:</b>	SESE 28 T7N R64W	<b>North Reference:</b>	Grid
<b>Well:</b>	Bayswater Weld County 9-28	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	DD		
<b>Design:</b>	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,974.3	3,781.0	Larimer (Parkman)		0.00		
7,072.6	6,831.0	Niobrara		0.00		
7,318.6	7,077.0	Fort Hays		0.00		
7,362.6	7,121.0	Codell		0.00		
7,408.6	7,167.0	Greenhorn		0.00		
7,494.6	7,253.0	Graneros		0.00		

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
200.0	200.0	0.0	0.0	KOP @ 200'	
853.0	840.4	110.1	-10.5	EOB @ Inc. = 19.59°	
4,588.5	4,359.6	1,356.9	-129.5	Start Drop -3.00	
5,241.6	5,000.0	1,467.0	-140.0	EOD @ Inc. = 0°	
7,581.6	7,340.0	1,467.0	-140.0	TD @ 7,582' MD	