

# **Bass**

**Sec 33 T1N R98W**

**YCF 33-43-1 Pad**

**YCF 33-43-3355 - Slot B6**

**Wellbore #1**

**Plan: Plan #1**

## **Standard Planning Report - Geographic**

**15 July, 2008**

# New Tech

## Planning Report - Geographic

<b>Database:</b>	EDM 2003.16 Single User Db	<b>Local Co-ordinate Reference:</b>	Well YCF 33-43-3355 - Slot B6
<b>Company:</b>	Bass	<b>TVD Reference:</b>	Well @ 6573.0ft (Updated)
<b>Project:</b>	Sec 33 T1N R98W	<b>MD Reference:</b>	Well @ 6573.0ft (Updated)
<b>Site:</b>	YCF 33-43-1 Pad	<b>North Reference:</b>	True
<b>Well:</b>	YCF 33-43-3355	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1		

<b>Project</b>	Sec 33 T1N R98W, Rio Blanco County, Colorado		
<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		Using geodetic scale factor

<b>Site</b>	YCF 33-43-1 Pad		
<b>Site Position:</b>		<b>Northing:</b>	1,259,995.08 ft
<b>From:</b>	Map	<b>Easting:</b>	2,190,677.37 ft
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"
		<b>Latitude:</b>	40° 0' 39.131 N
		<b>Longitude:</b>	108° 23' 23.371 W
		<b>Grid Convergence:</b>	-1.87 °

<b>Well</b>	YCF 33-43-3355 - Slot B6		
<b>Well Position</b>	<b>+N/-S</b>	0.0 ft	<b>Northing:</b> 1,259,965.19 ft
	<b>+E/-W</b>	0.0 ft	<b>Easting:</b> 2,190,654.72 ft
<b>Position Uncertainty</b>	0.0 ft	<b>Wellhead Elevation:</b>	ft
		<b>Latitude:</b>	40° 0' 38.829 N
		<b>Longitude:</b>	108° 23' 23.650 W
		<b>Ground Level:</b>	6,548.0 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF200510	11/7/2007	11.05	66.19	52,910

<b>Design</b>	Plan #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	271.29

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
120.0	0.00	0.00	120.0	0.0	0.0	0.00	0.00	0.00	0.00	
760.1	16.00	271.29	751.8	2.0	-88.8	2.50	2.50	0.00	271.29	
5,460.4	16.00	271.29	5,269.9	31.1	-1,384.3	0.00	0.00	0.00	0.00	
6,527.3	0.00	0.00	6,323.0	34.4	-1,532.3	1.50	-1.50	0.00	180.00	Top Gas (25' Radiu
12,177.3	0.00	0.00	11,973.0	34.4	-1,532.3	0.00	0.00	0.00	0.00	

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<b>Site:</b>	YCF 33-43-1 Pad	<b>North Reference:</b>	True
<b>Well:</b>	YCF 33-43-3355	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	1,259,965.19	2,190,654.72	40° 0' 38.829 N	108° 23' 23.650 W
120.0	0.00	0.00	120.0	0.0	0.0	1,259,965.19	2,190,654.72	40° 0' 38.829 N	108° 23' 23.650 W
760.1	16.00	271.29	751.8	2.0	-88.8	1,259,970.08	2,190,566.04	40° 0' 38.848 N	108° 23' 24.791 W
5,460.4	16.00	271.29	5,269.9	31.1	-1,384.3	1,260,041.34	2,189,272.22	40° 0' 39.135 N	108° 23' 41.440 W
6,527.3	0.00	0.00	6,323.0	34.4	-1,532.3	1,260,049.48	2,189,124.42	40° 0' 39.168 N	108° 23' 43.342 W
12,177.3	0.00	0.00	11,973.0	34.4	-1,532.3	1,260,049.48	2,189,124.42	40° 0' 39.168 N	108° 23' 43.342 W

Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting		
- Shape	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)	Latitude	Longitude
Top Gas (25' Radius)	0.00	0.00	6,323.0	34.4	-1,532.3	1,260,049.48	2,189,124.42	40° 0' 39.168 N	108° 23' 43.342 W
- plan hits target									
- Circle (radius 25.0)									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
3,515.1	3,400.0	9 5/8"	9-5/8	12-1/4	

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
10,177.3	9,973.0	Rollins		0.00	
11,877.3	11,673.0	Castlegate		0.00	
6,527.3	6,323.0	Mesa Verde		0.00	
12,177.3	11,973.0	Permitted TD		0.00	

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	+E/-W (ft)	Comment
120.0	120.0	0.0	0.0	Start Build 2.00
934.2	919.2	3.1	-136.8	Hold 16.28 Inclination
5,443.8	5,254.0	31.0	-1,379.7	Start Drop -1.50
6,529.4	6,325.1	34.4	-1,532.3	Top Gas
12,179.4				TD at 12179.4