

Bass

Sec 33 T1N R98W

YCF 33-43-1 Pad

YCF 33-43-3373 - Slot B10

Wellbore #1

Plan: Plan #1

Standard Planning Report - Geographic

15 July, 2008

New Tech

Planning Report - Geographic

Database:	EDM 2003.16 Single User Db	Local Co-ordinate Reference:	Well YCF 33-43-3373 - Slot B10
Company:	Bass	TVD Reference:	Well @ 6573.0ft (Updated)
Project:	Sec 33 T1N R98W	MD Reference:	Well @ 6573.0ft (Updated)
Site:	YCF 33-43-1 Pad	North Reference:	True
Well:	YCF 33-43-3373	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Project	Sec 33 T1N R98W, Rio Blanco County, Colorado		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		Using geodetic scale factor

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

Well	YCF 33-43-3373 - Slot B10		
Well Position	+N/-S	0.0 ft	Northing: 1,259,989.10 ft
	+E/-W	0.0 ft	Easting: 2,190,672.84 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	0.0 ft
		Latitude:	40° 0' 39.071 N
		Longitude:	108° 23' 23.427 W
		Ground Level:	6,548.0 ft

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

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	350.25

Plan Sections										
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	
370.0	5.00	330.00	369.7	9.4	-5.5	2.00	2.00	0.00	330.00	
825.4	13.61	350.71	818.7	79.7	-24.1	2.00	1.89	4.55	31.73	
5,718.0	13.61	350.71	5,573.9	1,216.2	-209.9	0.00	0.00	0.00	0.00	
6,625.6	0.00	0.00	6,473.0	1,322.1	-227.2	1.50	-1.50	1.02	180.00	Top Gas (25' Radiu
10,152.6	0.00	0.00	10,000.0	1,322.1	-227.2	0.00	0.00	0.00	0.00	TD / PBHL YCF 33-

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Site:	YCF 33-43-1 Pad	North Reference:	True
Well:	YCF 33-43-3373	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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	1,259,989.10	2,190,672.84	40° 0' 39.071 N	108° 23' 23.427 W
120.0	0.00	0.00	120.0	0.0	0.0	1,259,989.10	2,190,672.84	40° 0' 39.071 N	108° 23' 23.427 W
370.0	5.00	330.00	369.7	9.4	-5.5	1,259,998.72	2,190,667.70	40° 0' 39.164 N	108° 23' 23.497 W
825.4	13.61	350.71	818.7	79.7	-24.1	1,260,069.51	2,190,651.39	40° 0' 39.858 N	108° 23' 23.736 W
5,718.0	13.61	350.71	5,573.9	1,216.2	-209.9	1,261,211.48	2,190,502.67	40° 0' 51.090 N	108° 23' 26.125 W
6,625.6	0.00	0.00	6,473.0	1,322.1	-227.2	1,261,317.90	2,190,488.81	40° 0' 52.136 N	108° 23' 26.347 W
10,152.6	0.00	0.00	10,000.0	1,322.1	-227.2	1,261,317.90	2,190,488.81	40° 0' 52.136 N	108° 23' 26.347 W

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
Top Gas (25' Radius)	0.00	0.00	6,473.0	1,322.1	-227.2	1,261,317.90	2,190,488.81	40° 0' 52.136 N	108° 23' 26.347 W
- plan hits target									
- Circle (radius 25.0)									
TD / PBHL YCF 33-43	0.00	0.00	10,000.0	1,322.1	-227.2	1,261,317.90	2,190,488.81	40° 0' 52.136 N	108° 23' 26.347 W
- plan hits target									
- Point									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
3,481.3	3,400.0	9 5/8"	9-5/8	12-1/4	

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
	12,143.0	Permitted TD		0.00	
	10,143.0	Rollins		0.00	
	11,843.0	Castlegate		0.00	
6,625.6	6,473.0	Mesa Verde		0.00	

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment
120.0	120.0	0.0	0.0	Start Build 2.00
798.5	792.6	73.6	-23.0	Hold 13.57 Inclination
5,720.5	5,576.3	1,216.8	-210.0	Start Drop -1.50
6,625.2	6,472.6	1,322.1	-227.2	Top Gas
12,295.2				TD at 12295.2