

Bass

Sec 33 T1N R98W

YCF 33-43-1 Pad

YCF 33-43-3357 - Slot A9

Wellbore #1

Plan: Plan #1

Standard Planning Report - Geographic

19 April, 2008

New Tech
Planning Report - Geographic

Database: EDM 2003.16 Single User Db	Local Co-ordinate Reference: Well YCF 33-43-3357 - Slot A9
Company: Bass	TVD Reference: Corrected KB @ 6573.0ft (Flex - kjs)
Project: Sec 33 T1N R98W	MD Reference: Corrected KB @ 6573.0ft (Flex - kjs)
Site: YCF 33-43-1 Pad	North Reference: True
Well: YCF 33-43-3357	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	Latitude: 40° 0' 39.131 N		
From: Map		Easting: 2,190,677.37 ft	Longitude: 108° 23' 23.371 W		
Position Uncertainty: 0.0 ft		Slot Radius: "	Grid Convergence: -1.87 °		

Well YCF 33-43-3357 - Slot A9					
Well Position	+N/-S 0.0 ft	Northing: 1,259,947.26 ft	Latitude: 40° 0' 38.647 N		
	+E/-W 0.0 ft	Easting: 2,190,641.13 ft	Longitude: 108° 23' 23.817 W		
Position Uncertainty	0.0 ft	Wellhead Elevation: ft	Ground Level: 6,548.0 ft		

Wellbore Wellbore #1					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	11/12/2007	11.05	66.19	52,909

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	230.77

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	
1,174.5	21.09	230.77	1,150.9	-121.4	-148.7	2.00	2.00	0.00	230.77	
5,383.1	21.09	230.77	5,077.5	-1,079.1	-1,321.8	0.00	0.00	0.00	0.00	
6,789.1	0.00	0.00	6,452.0	-1,240.9	-1,520.0	1.50	-1.50	0.00	180.00	Top Gas (25'Radius) `
12,350.1	0.00	0.00	12,013.0	-1,240.9	-1,520.0	0.00	0.00	0.00	0.00	

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Project:	Sec 33 T1N R98W	MD Reference:	Corrected KB @ 6573.0ft (Flex - kjs)
Site:	YCF 33-43-1 Pad	North Reference:	True
Well:	YCF 33-43-3357	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	1,259,947.26	2,190,641.13	40° 0' 38.647 N	108° 23' 23.817 W
120.0	0.00	0.00	120.0	0.0	0.0	1,259,947.26	2,190,641.13	40° 0' 38.647 N	108° 23' 23.817 W
1,174.5	21.09	230.77	1,150.9	-121.4	-148.7	1,259,830.82	2,190,488.61	40° 0' 37.448 N	108° 23' 25.727 W
2,781.3	21.09	230.77	2,650.0	-487.0	-596.5	1,259,479.98	2,190,029.06	40° 0' 33.834 N	108° 23' 31.483 W
Wasatch									
5,383.1	21.09	230.77	5,077.5	-1,079.1	-1,321.8	1,258,911.88	2,189,284.94	40° 0' 27.983 N	108° 23' 40.803 W
6,660.1	1.94	230.77	6,323.0	-1,239.5	-1,518.3	1,258,757.94	2,189,083.30	40° 0' 26.398 N	108° 23' 43.328 W
MesaVerde									
6,789.1	0.00	0.00	6,452.0	-1,240.9	-1,520.0	1,258,756.62	2,189,081.57	40° 0' 26.384 N	108° 23' 43.350 W
10,310.1	0.00	0.00	9,973.0	-1,240.9	-1,520.0	1,258,756.62	2,189,081.57	40° 0' 26.384 N	108° 23' 43.350 W
Rollins									
12,000.1	0.00	0.00	11,663.0	-1,240.9	-1,520.0	1,258,756.62	2,189,081.57	40° 0' 26.384 N	108° 23' 43.350 W
Castlegate									
12,350.1	0.00	0.00	12,013.0	-1,240.9	-1,520.0	1,258,756.62	2,189,081.57	40° 0' 26.384 N	108° 23' 43.350 W
TD									

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Top Gas (25'Radius) YC - hit/miss target - Shape - Circle (radius 25.0)	0.00	0.00	6,452.0	-1,240.9	-1,520.0	1,258,756.62	2,189,081.57	40° 0' 26.384 N	108° 23' 43.350 W

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
3,585.1	3,400.0	9 5/8"	9-5/8	12-1/4	

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
12,350.1	12,013.0	TD		0.00	
2,781.3	2,650.0	Wasatch		0.00	
6,660.1	6,323.0	MesaVerde		0.00	
12,000.1	11,663.0	Castlegate		0.00	
10,310.1	9,973.0	Rollins		0.00	

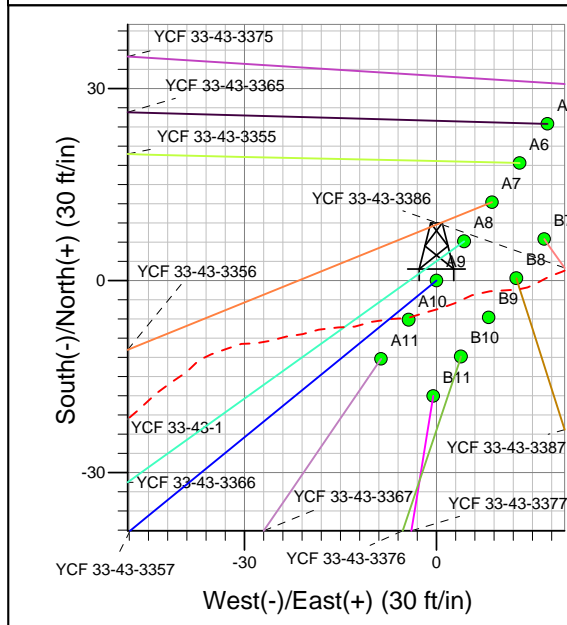
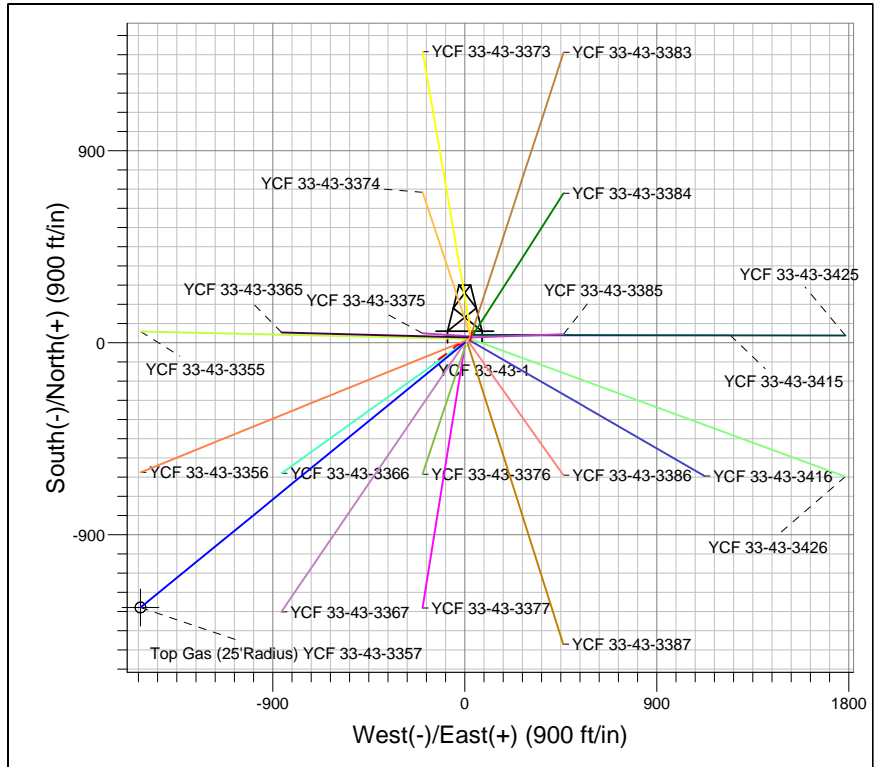
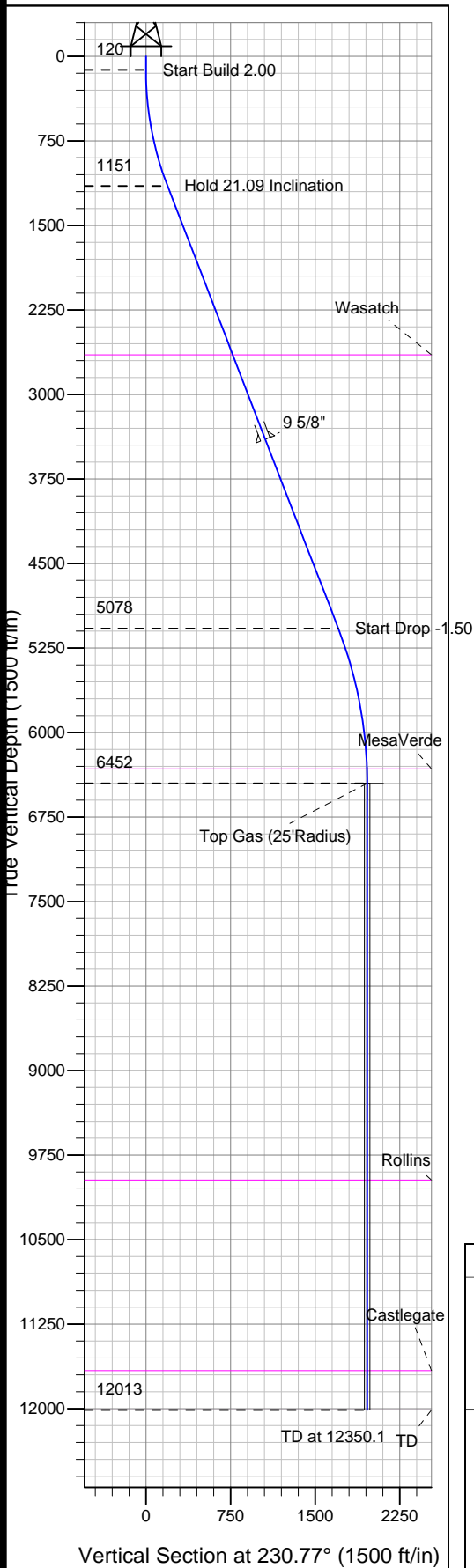
New Tech
 Planning Report - Geographic

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Company:	Bass	TVD Reference:	Corrected KB @ 6573.0ft (Flex - kjs)
Project:	Sec 33 T1N R98W	MD Reference:	Corrected KB @ 6573.0ft (Flex - kjs)
Site:	YCF 33-43-1 Pad	North Reference:	True
Well:	YCF 33-43-3357	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
120.0	120.0	0.0	0.0	Start Build 2.00
1,174.5	1,150.9	-121.4	-148.7	Hold 21.09 Inclination
5,383.1	5,077.5	-1,079.1	-1,321.8	Start Drop -1.50
6,789.1	6,452.0	-1,240.9	-1,520.0	Top Gas
12,350.1	12,013.0	-1,240.9	-1,520.0	TD at 12350.1



Well Name: YCF 33-43-3357
 Surface Location: YCF 33-43-1 Pad
 North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone
 Ground Elevation: 6548.0
 +N/-S+E/-W Northing Easting Latitude Longitude Slot
 0.0 0.01259947.26 2190641.13 40° 0' 38.647 N 108° 23' 23.817 W A9



Project: Sec 33 T1N R98W
 Site: YCF 33-43-1 Pad
 Well: YCF 33-43-3357
 Plan: Plan #1

M Azimuths to True North
 Magnetic North: 11.05°
 Magnetic Field
 Strength: 52909.0snT
 Dip Angle: 66.19°
 Date: 11/12/2007
 Model: IGRF200510

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2650.0	2781.3	Wasatch
6323.0	6660.1	MesaVerde
9973.0	10310.1	Rollins
11663.0	12000.1	Castlegate
12013.0	12350.1	TD

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	120.0	0.00	0.00	120.0	0.0	0.0	0.00	0.00	0.0	
3	1174.5	21.09	230.77	1150.9	-121.4	-148.7	2.00	230.77	191.9	
4	5383.1	21.09	230.77	5077.5	-1079.1	-1321.8	0.00	0.00	1706.3	
5	6789.1	0.00	0.00	6452.0	-1240.9	-1520.0	1.50	180.00	1962.2	Top Gas (25'Radius) YCF 33-43-3357
6	12350.1	0.00	0.00	12013.0	-1240.9	-1520.0	0.00	0.00	1962.2	

TVD	MD	Annotation
120.0	120.0	Start Build 2.00
1150.9	1174.5	Hold 21.09 Inclination
5077.5	5383.1	Start Drop -1.50
6452.0	6789.1	Top Gas
12013.0	12350.1	TD at 12350.1