

Bass

Sec 33 T1N R98W

YCF 33-43-1 Pad

YCF 33-43-3415 - Slot A8

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 33-43-3415 - Slot A8
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 33-43-3415	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 33-43-3415 - Slot A8		
Well Position	+N/-S	0.0 ft	Northing: 1,259,971.11 ft
	+E/-W	0.0 ft	Easting: 2,190,671.75 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	ft
		Latitude:	40° 0' 38.892 N
		Longitude:	108° 23' 23.433 W
		Ground Level:	6,536.0 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	89.49

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	
724.9	12.10	89.49	720.4	0.6	63.6	2.00	2.00	0.00	89.49	
5,809.9	12.10	89.49	5,692.5	10.1	1,129.3	0.00	0.00	0.00	0.00	
6,616.4	0.00	0.00	6,493.0	10.9	1,214.1	1.50	-1.50	-11.10	-180.00	Top Gas (25' Radiu
12,321.4	0.00	0.00	12,198.0	10.9	1,214.1	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 33-43-3415	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	1,259,971.11	2,190,671.75	40° 0' 38.892 N	108° 23' 23.433 W
120.0	0.00	0.00	120.0	0.0	0.0	1,259,971.11	2,190,671.75	40° 0' 38.892 N	108° 23' 23.433 W
724.9	12.10	89.49	720.4	0.6	63.6	1,259,969.61	2,190,735.36	40° 0' 38.898 N	108° 23' 22.616 W
5,809.9	12.10	89.49	5,692.5	10.1	1,129.3	1,259,944.45	2,191,800.73	40° 0' 38.992 N	108° 23' 8.920 W
6,616.4	0.00	0.00	6,493.0	10.9	1,214.1	1,259,942.45	2,191,885.53	40° 0' 39.000 N	108° 23' 7.830 W
12,321.4	0.00	0.00	12,198.0	10.9	1,214.1	1,259,942.45	2,191,885.53	40° 0' 39.000 N	108° 23' 7.830 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) - plan hits target - Circle (radius 25.0)	0.00	0.00	6,493.0	10.9	1,214.1	1,259,942.45	2,191,885.53	40° 0' 39.000 N	108° 23' 7.830 W
TD / PBHL YCF 33-43 - plan hits target - Point	0.00	0.00	12,198.0	10.9	1,214.1	1,259,942.45	2,191,885.53	40° 0' 39.000 N	108° 23' 7.830 W

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
3,465.3	3,400.0	9 5/8"	9-5/8	12-1/4	

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
12,321.4	12,198.0	Permitted TD		0.00	
12,021.4	11,898.0	Castlegate		0.00	
10,321.4	10,198.0	Rollins		0.00	
6,616.4	6,493.0	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 1.50	
940.3	931.1	1.0	108.8	Hold 12.30 Inclination	
5,796.8	5,679.7	10.1	1,126.5	Start Drop -1.50	
6,617.1	6,493.8	10.9	1,214.1	Top Gas	
12,322.1				TD at 12322.1	