

Bass

Sec 2 T1S R98W

Yellow Creek Federal XOM 2-22 Pad

YCF 2-22-0263

Wellbore #1

Plan: Plan #1

Survey Report - Geographic

23 May, 2008

New Tech

Survey Report - Geographic

Company:	Bass	Local Co-ordinate Reference:	Well YCF 2-22-0263
Project:	Sec 2 T1S R98W	TVD Reference:	WELL @ 6335.0ft (Original Well Elev)
Site:	Yellow Creek Federal XOM 2-22 Pad	MD Reference:	WELL @ 6335.0ft (Original Well Elev)
Well:	YCF 2-22-0263	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	EDM 2003.16 Single User Db

Project	Sec 2 T1S R98W, Rio Blanco County, CO		
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	Yellow Creek Federal XOM 2-22 Pad				
Site Position:		Northing:	1,256,189.47 ft	Latitude:	40° 0' 4.130 N
From:	Lat/Long	Easting:	2,198,757.56 ft	Longitude:	108° 21' 38.000 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	-1.85 °

Well	YCF 2-22-0263					
Well Position	+N-S	0.0 ft	Northing:	1,256,188.68 ft	Latitude:	40° 0' 4.142 N
	+E-W	0.0 ft	Easting:	2,198,818.24 ft	Longitude:	108° 21' 37.220 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	6,310.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	9/24/2007	11.05	66.19	52,869

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	80.97

Survey Tool Program	Date	5/23/2008		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	12,462.2	Plan #1 (Wellbore #1)	MWD	MWD - Standard

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	1,256,188.68	2,198,818.24	40° 0' 4.142 N	108° 21' 37.220 W	
120.0	0.00	0.00	120.0	0.0	0.0	1,256,188.68	2,198,818.24	40° 0' 4.142 N	108° 21' 37.220 W	
634.7	10.29	80.97	631.9	7.2	45.5	1,256,194.44	2,198,863.99	40° 0' 4.213 N	108° 21' 36.635 W	
6,954.9	10.29	80.97	6,850.4	184.5	1,161.0	1,256,335.64	2,199,984.51	40° 0' 5.965 N	108° 21' 22.302 W	
7,641.2	0.00	0.00	7,533.0	194.2	1,221.7	1,256,343.33	2,200,045.51	40° 0' 6.060 N	108° 21' 21.522 W	
12,462.2	0.00	0.00	12,354.0	194.2	1,221.7	1,256,343.33	2,200,045.51	40° 0' 6.060 N	108° 21' 21.522 W	

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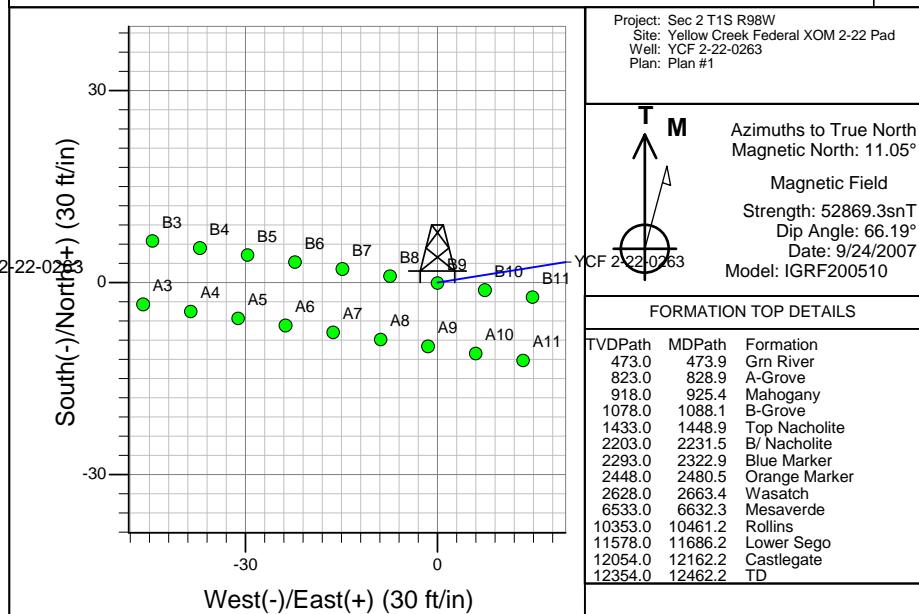
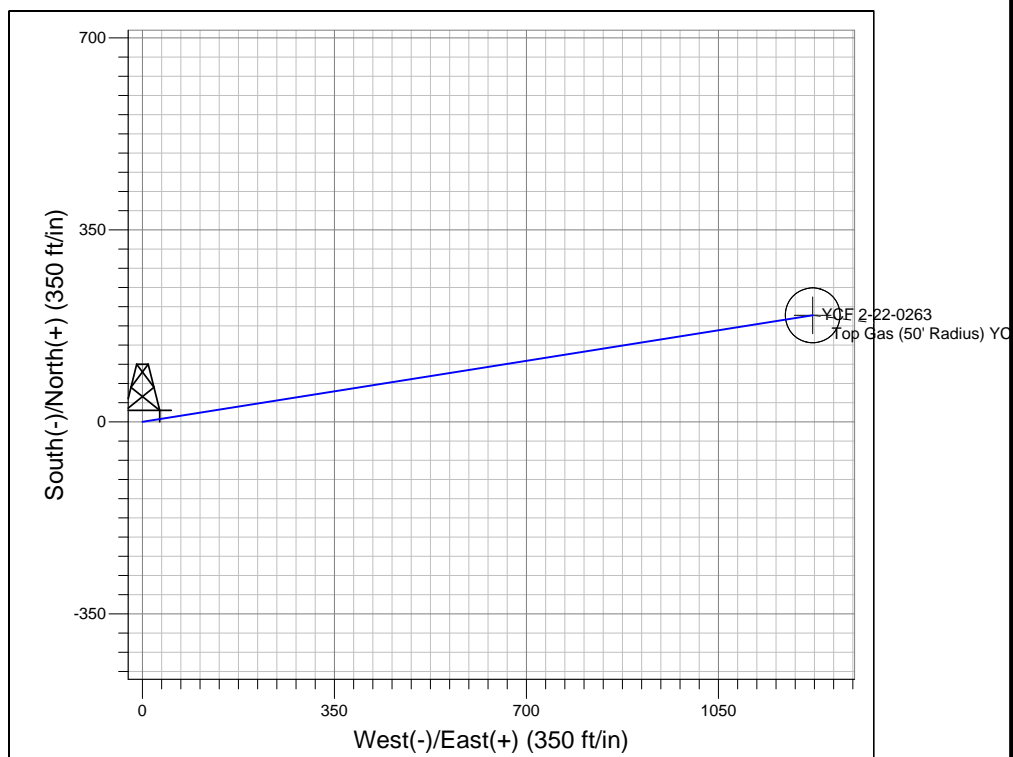
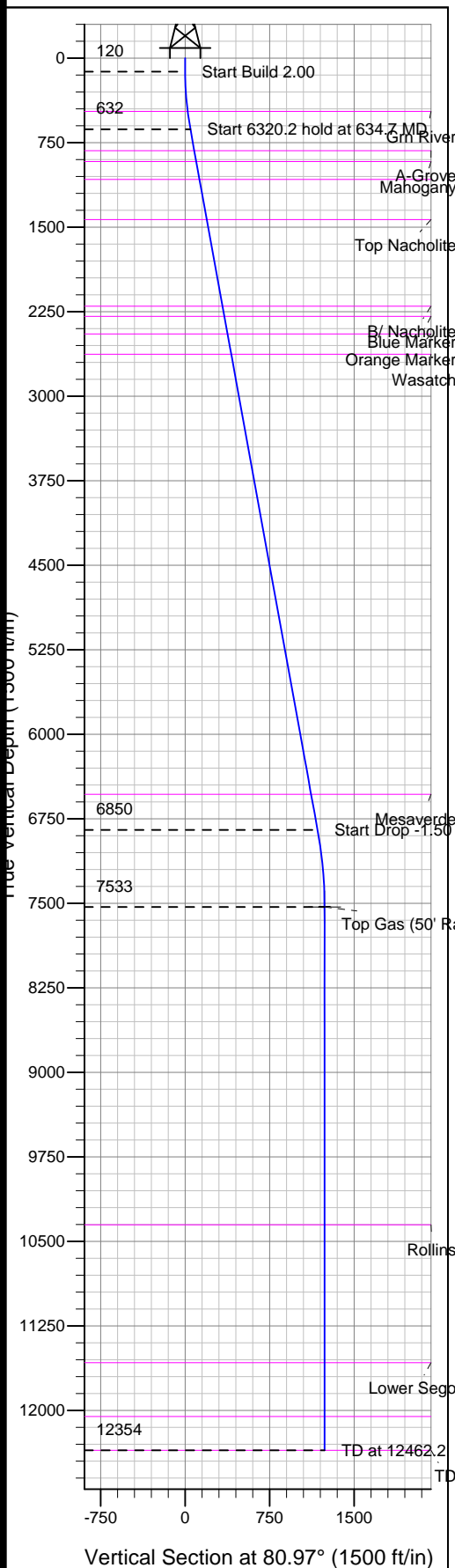
Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
Top Gas (50' Radius)	0.00	0.00	7,533.0	194.2	1,221.7	1,256,343.33	2,200,045.51	40° 0' 6.060 N	108° 21' 21.522 W
- plan hits target									
- Circle (radius 50.0)									

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(°)	(°)	
11,686.2	11,578.0	Lower Sego				
2,480.5	2,448.0	Orange Marker				
10,461.2	10,353.0	Rollins				
2,663.4	2,628.0	Wasatch				
1,088.1	1,078.0	B-Grove				
12,462.2	12,354.0	TD		0.00		
473.9	473.0	Grn River				
6,632.3	6,533.0	Mesaverde				
12,162.2	12,054.0	Castlegate		0.00		
2,322.9	2,293.0	Blue Marker				
925.4	918.0	Mahogany				
828.9	823.0	A-Grove				
2,231.5	2,203.0	B/ Nacholite				
1,448.9	1,433.0	Top Nacholite				

Checked By: _____ Approved By: _____ Date: _____



Well Name: YCF 2-22-0263
Surface Location: Yellow Creek Federal XOM 2-22 Pad
North American Datum 1983 , US State Plane 1983 Colorado Northern Zone
Ground Elevation: 6310.0
+N/-SE/-W Northing Easting Latitude Longitude Slot
0.0 0.0256188.62198818.2440° 0' 4.14208° 21' 37.220 W



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	634.7	10.29	80.97	631.9	7.2	45.5	2.00	80.97	46.1	
4	6954.9	10.29	80.97	6850.4	184.5	1161.0	0.00	0.00	1175.5	
5	7641.2	0.00	0.00	7533.0	194.2	1221.7	1.50	180.00	1237.0	Top Gas (50' Radius) YCF 2-22-0263
6	12462.2	0.00	0.00	12354.0	194.2	1221.7	0.00	0.00	1237.0	

No annotation data is available.