

XTO Energy

LaPlata County Directionals

Tiffany 32-7 12-6

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Plan: Permitted Wellbore -- Tiffany 32-7 12-6

Standard Planning Report

19 July, 2010

XTO Energy Inc.

Planning Report

Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well Tiffany 32-7 12-6
Company:	XTO Energy	TVD Reference:	Rig KB @ 6356.0ft (Aztec 507)
Project:	LaPlata County Directionals	MD Reference:	Rig KB @ 6356.0ft (Aztec 507)
Site:	Tiffany 32-7 12-6	North Reference:	True
Well:	Tiffany 32-7 12-6	Survey Calculation Method:	Minimum Curvature
Wellbore:	Tiffany 32-7 12-6		
Design:	Permitted Wellbore -- Tiffany 32-7 12-6		

Project	LaPlata County Directionals, LaPlata County, Colorado, Directional Fruitland Coal Wells		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		Using Well Reference Point
Map Zone:	Colorado Southern Zone		

Site	Tiffany 32-7 12-6, T32N, R7W				
Site Position:		Northing:	1,137,950.88 ft	Latitude:	37° 1' 38.676 N
From:	Lat/Long	Easting:	2,400,265.62 ft	Longitude:	107° 33' 16.092 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	-1.26 °

Well	Tiffany 32-7 12-6, S-well to top of FC					
Well Position	+N/-S	0.0 ft	Northing:	1,137,950.88 ft	Latitude:	37° 1' 38.676 N
	+E/-W	0.0 ft	Easting:	2,400,265.62 ft	Longitude:	107° 33' 16.092 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	6,344.0 ft	Ground Level:	6,344.0 ft

Wellbore	Tiffany 32-7 12-6				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	10.01	63.80	51,102

Design	Permitted Wellbore -- Tiffany 32-7 12-6			
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	6.33

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	
500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,500.0	30.00	6.33	1,454.9	254.3	28.2	3.00	3.00	0.00	6.33	
2,260.1	30.00	6.33	2,113.2	632.0	70.1	0.00	0.00	0.00	0.00	
2,926.7	10.00	6.33	2,736.5	857.5	95.1	3.00	-3.00	0.00	180.00	
3,295.9	10.00	6.33	3,100.0	921.2	102.2	0.00	0.00	0.00	0.00	Proposed BHL -- Tiffa

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Wellbore:	Tiffany 32-7 12-6		
Design:	Permitted Wellbore -- Tiffany 32-7 12-6		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
225.0	0.00	0.00	225.0	0.0	0.0	0.0	0.00	0.00	0.00
8 5/8"									
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	3.00	6.33	600.0	2.6	0.3	2.6	3.00	3.00	0.00
700.0	6.00	6.33	699.6	10.4	1.2	10.5	3.00	3.00	0.00
800.0	9.00	6.33	798.8	23.4	2.6	23.5	3.00	3.00	0.00
900.0	12.00	6.33	897.1	41.5	4.6	41.7	3.00	3.00	0.00
1,000.0	15.00	6.33	994.3	64.7	7.2	65.1	3.00	3.00	0.00
1,100.0	18.00	6.33	1,090.2	92.9	10.3	93.5	3.00	3.00	0.00
1,200.0	21.00	6.33	1,184.4	126.1	14.0	126.9	3.00	3.00	0.00
1,300.0	24.00	6.33	1,276.8	164.1	18.2	165.1	3.00	3.00	0.00
1,400.0	27.00	6.33	1,367.1	206.9	22.9	208.2	3.00	3.00	0.00
1,500.0	30.00	6.33	1,454.9	254.3	28.2	255.9	3.00	3.00	0.00
1,579.8	30.00	6.33	1,524.0	293.9	32.6	295.7	0.00	0.00	0.00
Ojo Alamo									
1,600.0	30.00	6.33	1,541.5	304.0	33.7	305.9	0.00	0.00	0.00
1,661.7	30.00	6.33	1,595.0	334.7	37.1	336.7	0.00	0.00	0.00
Kirtland Shale									
1,700.0	30.00	6.33	1,628.1	353.7	39.2	355.9	0.00	0.00	0.00
1,739.1	30.00	6.33	1,662.0	373.1	41.4	375.4	0.00	0.00	0.00
Farmington SS									
1,800.0	30.00	6.33	1,714.7	403.4	44.7	405.9	0.00	0.00	0.00
1,900.0	30.00	6.33	1,801.3	453.1	50.3	455.9	0.00	0.00	0.00
2,000.0	30.00	6.33	1,887.9	502.8	55.8	505.9	0.00	0.00	0.00
2,100.0	30.00	6.33	1,974.5	552.5	61.3	555.9	0.00	0.00	0.00
2,200.0	30.00	6.33	2,061.1	602.2	66.8	605.9	0.00	0.00	0.00
2,260.1	30.00	6.33	2,113.2	632.0	70.1	635.9	0.00	0.00	0.00
2,300.0	28.80	6.33	2,148.0	651.5	72.3	655.5	3.00	-3.00	0.00
2,400.0	25.80	6.33	2,236.8	697.1	77.3	701.4	3.00	-3.00	0.00
2,500.0	22.80	6.33	2,327.9	738.0	81.9	742.5	3.00	-3.00	0.00
2,596.7	19.90	6.33	2,418.0	773.0	85.7	777.7	3.00	-3.00	0.00
Fruitland Formation									
2,600.0	19.80	6.33	2,421.1	774.1	85.9	778.8	3.00	-3.00	0.00
2,700.0	16.80	6.33	2,516.0	805.3	89.3	810.2	3.00	-3.00	0.00
2,800.0	13.80	6.33	2,612.5	831.5	92.2	836.6	3.00	-3.00	0.00
2,833.4	12.80	6.33	2,645.0	839.2	93.1	844.3	3.00	-3.00	0.00
Upper Fruitland Coal									
2,900.0	10.80	6.33	2,710.2	852.7	94.6	857.9	3.00	-3.00	0.00
2,926.7	10.00	6.33	2,736.5	857.5	95.1	862.8	3.00	-3.00	0.00
2,962.8	10.00	6.33	2,772.0	863.7	95.8	869.0	0.00	0.00	0.00
Middle Fruitland Coal									
3,000.0	10.00	6.33	2,808.6	870.1	96.5	875.5	0.00	0.00	0.00
3,018.7	10.00	6.33	2,827.0	873.4	96.9	878.7	0.00	0.00	0.00
Pictured Cliffs Tongue									
3,100.0	10.00	6.33	2,907.1	887.4	98.4	892.9	0.00	0.00	0.00
3,197.4	10.00	6.33	3,003.0	904.2	100.3	909.8	0.00	0.00	0.00
Lower Fruitland Coal									
3,200.0	10.00	6.33	3,005.6	904.7	100.3	910.2	0.00	0.00	0.00

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Project:	LaPlata County Directionals	MD Reference:	Rig KB @ 6356.0ft (Aztec 507)
Site:	Tiffany 32-7 12-6	North Reference:	True
Well:	Tiffany 32-7 12-6	Survey Calculation Method:	Minimum Curvature
Wellbore:	Tiffany 32-7 12-6		
Design:	Permitted Wellbore -- Tiffany 32-7 12-6		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,208.6	10.00	6.33	3,014.0	906.1	100.5	911.7	0.00	0.00	0.00
Pictured Cliffs SS									
3,295.9	10.00	6.33	3,100.0	921.2	102.2	926.9	0.00	0.00	0.00

Design 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									
Proposed BHL -- Tiffany	0.00	0.00	3,100.0	921.2	102.2	1,138,869.63	2,400,388.03	37° 1' 47.784 N	107° 33' 14.832 W
- plan hits target									
- Rectangle (sides W10.0 H10.0 D0.0)									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
225.0	225.0	8 5/8"	8-5/8	12-1/4	
3,295.9	3,100.0	5 1/2"	5-1/2	7-7/8	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,579.8	1,524.0	Ojo Alamo		0.00		
1,661.7	1,595.0	Kirtland Shale		0.00		
1,739.1	1,662.0	Farmington SS		0.00		
2,596.7	2,418.0	Fruitland Formation		0.00		
2,833.4	2,645.0	Upper Fruitland Coal		0.00		
2,962.8	2,772.0	Middle Fruitland Coal		0.00		
3,018.7	2,827.0	Pictured Cliffs Tongue		0.00		
3,197.4	3,003.0	Lower Fruitland Coal		0.00		
3,208.6	3,014.0	Pictured Cliffs SS		0.00		



Well Name: Tiffany 32-7 12-6

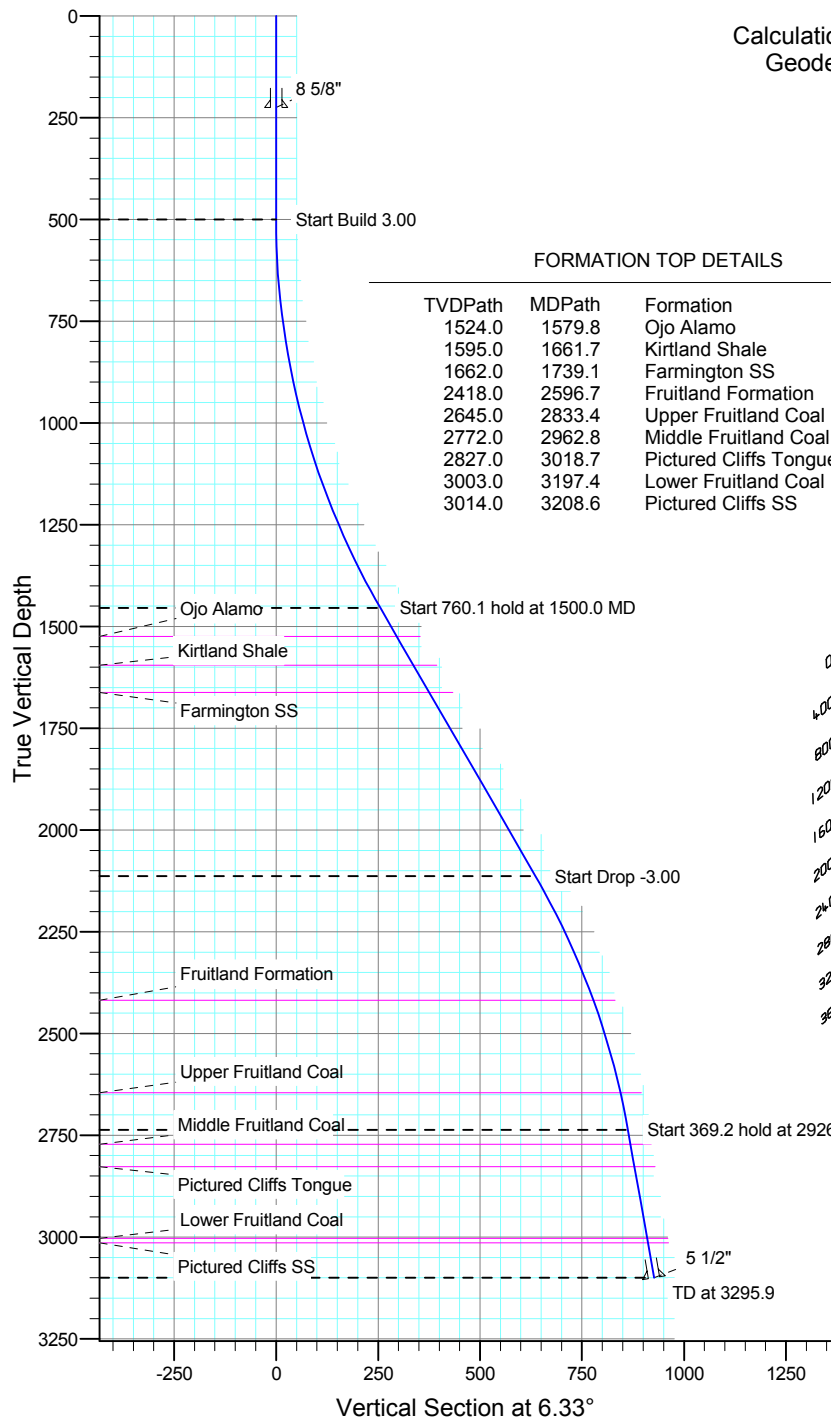
San Juan Division
Drilling Department

Calculation Method: Minimum Curvature
Geodetic Datum: North American Datum 1983
Lat: 37° 1' 38.676 N
Long: 107° 33' 16.092 W



Azimuths to True North
Magnetic North: 10.01°

Magnetic Field
Strength: 51102.4snT
Dip Angle: 63.80°
Date: 12/31/2009
Model: IGRF200510

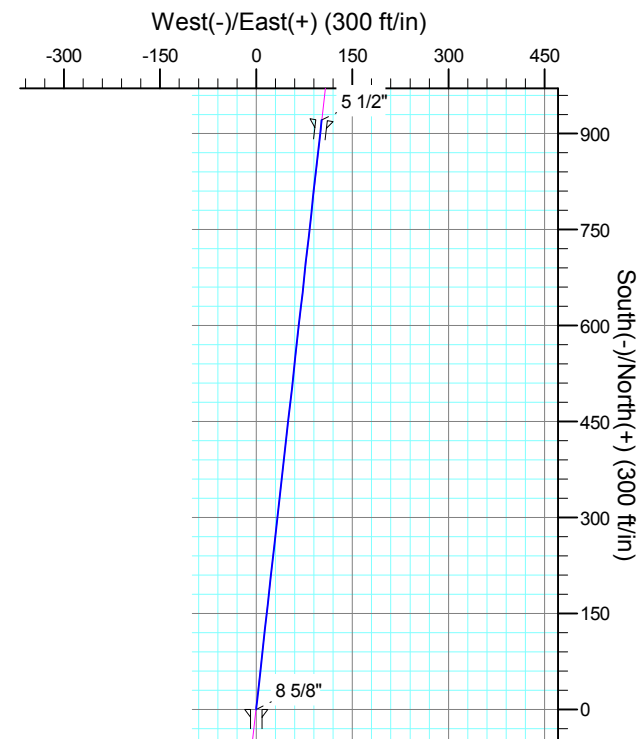
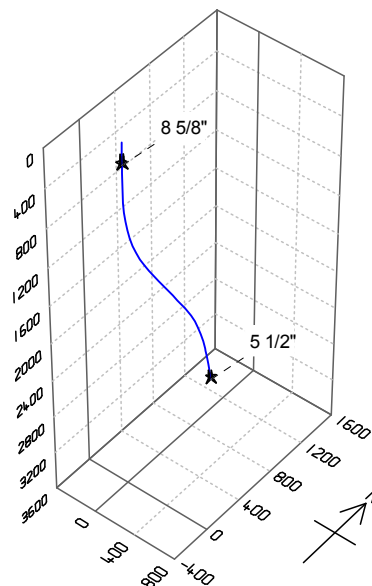


FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1524.0	1579.8	Ojo Alamo
1595.0	1661.7	Kirtland Shale
1662.0	1739.1	Farmington SS
2418.0	2596.7	Fruitland Formation
2645.0	2833.4	Upper Fruitland Coal
2772.0	2962.8	Middle Fruitland Coal
2827.0	3018.7	Pictured Cliffs Tongue
3003.0	3197.4	Lower Fruitland Coal
3014.0	3208.6	Pictured Cliffs SS

CASING DETAILS

TVD	MD	Name	Size
225.0	225.0	8 5/8"	8-5/8
3100.0	3295.9	5 1/2"	5-1/2



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	500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.0	
3	1500.0	30.00	6.33	1454.9	254.3	28.2	3.00	6.33	255.9	
4	2260.1	30.00	6.33	2113.2	632.0	70.1	0.00	0.00	635.9	
5	2926.7	10.00	6.33	2736.5	857.5	95.1	3.00	180.00	862.8	
6	3295.9	10.00	6.33	3100.0	921.2	102.2	0.00	0.00	926.9	Proposed BHL -- Tiffany 32-7 12-6