

XTO Energy

LaPlata County Directionals

Zellitti 34-9 #34-4

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Plan: Permitted Wellbore

Standard Planning Report

26 January, 2010

XTO Energy Inc.

Planning Report

Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well Zellitti 34-9 #34-4
Company:	XTO Energy	TVD Reference:	Rig KB @ 6704.0ft (Aztec 507)
Project:	LaPlata County Directionals	MD Reference:	Rig KB @ 6704.0ft (Aztec 507)
Site:	Zellitti 34-9 #34-4	North Reference:	True
Well:	Zellitti 34-9 #34-4	Survey Calculation Method:	Minimum Curvature
Wellbore:	Zellitti 34-9 #34-4		
Design:	Permitted Wellbore		

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	Zellitti 34-9 #34-4, T34N, R9W		
Site Position:		Northing:	360,234.09 m
From:	Lat/Long	Easting:	708,728.25 m
Position Uncertainty:	0.0 ft	Slot Radius:	in
		Latitude:	37° 8' 35.412 N
		Longitude:	107° 48' 54.648 W
		Grid Convergence:	-1.42 °

Well	Zellitti 34-9 #34-4, S-well to top of FC		
Well Position	+N/-S	0.0 ft	Northing: 360,234.09 m
	+E/-W	0.0 ft	Easting: 708,728.25 m
Position Uncertainty		0.0 ft	Wellhead Elevation: 6,692.0 ft
			Ground Level: 6,692.0 ft

Wellbore	Zellitti 34-9 #34-4				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	5/15/2009	10.21	63.86	51,243

Design	Permitted Wellbore			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	250.73

Plan Sections										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Dogleg Rate	Build Rate	Turn Rate	TFO	Target
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)	(°)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,800.0	45.00	250.73	1,650.5	-184.6	-528.0	3.00	3.00	0.00	250.73	
2,234.4	45.00	250.73	1,957.7	-286.0	-818.0	0.00	0.00	0.00	0.00	
3,401.1	10.00	250.73	2,976.5	-461.0	-1,318.7	3.00	-3.00	0.00	180.00	
3,678.8	10.00	250.73	3,250.0	-477.0	-1,364.2	0.00	0.00	0.00	0.00	Proposed BHL-- Zellit

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Wellbore:	Zellitti 34-9 #34-4		
Design:	Permitted Wellbore		

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
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
1,223.6	27.71	250.73	1,188.0	-72.3	-206.7	219.0	3.00	3.00	0.00
Ojo Alamo SS									
1,286.3	29.59	250.73	1,243.0	-82.2	-235.1	249.0	3.00	3.00	0.00
Kirtland Shale									
1,800.0	45.00	250.73	1,650.5	-184.6	-528.0	559.4	3.00	3.00	0.00
2,234.4	45.00	250.73	1,957.7	-286.0	-818.0	866.6	0.00	0.00	0.00
2,748.0	29.59	250.73	2,365.0	-388.4	-1,110.9	1,176.8	3.00	-3.00	0.00
Fruitland Formation									
3,195.2	16.18	250.73	2,776.0	-445.7	-1,274.7	1,350.3	3.00	-3.00	0.00
Upper Fruitland Coal									
3,401.1	10.00	250.73	2,976.5	-461.0	-1,318.7	1,396.9	3.00	-3.00	0.00
3,422.9	10.00	250.73	2,998.0	-462.3	-1,322.3	1,400.7	0.00	0.00	0.00
Middle Fruitland Coal									
3,511.3	10.00	250.73	3,085.0	-467.4	-1,336.7	1,416.1	0.00	0.00	0.00
Lower Fruitland Coal									
3,542.8	10.00	250.73	3,116.0	-469.2	-1,341.9	1,421.5	0.00	0.00	0.00
Pictured Cliffs SS									
3,678.8	10.00	250.73	3,250.0	-477.0	-1,364.2	1,445.2	0.00	0.00	0.00
5 1/2"									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (m)	Easting (m)	Latitude	Longitude
- hit/miss target									
- Shape									
Proposed BHL-- Zellitti 3	0.00	0.00	3,250.0	-477.0	-1,364.2	360,099.06	708,308.97	37° 8' 30.696 N	107° 49' 11.496 W
- plan hits target									
- Rectangle (sides W20.0 H20.0 D0.0)									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
225.0	225.0	8 5/8"	8.625	12.250	
3,678.8	3,250.0	5 1/2"	5.500	7.875	

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Design:	Permitted Wellbore		

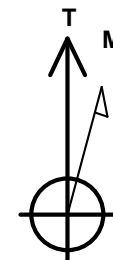
Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,223.6	1,188.0	Ojo Alamo SS		0.00		
1,286.3	1,243.0	Kirtland Shale		0.00		
2,748.0	2,365.0	Fruitland Formation		0.00		
3,195.2	2,776.0	Upper Fruitland Coal		0.00		
3,422.9	2,998.0	Middle Fruitland Coal		0.00		
3,511.3	3,085.0	Lower Fruitland Coal		0.00		
3,542.8	3,116.0	Pictured Cliffs SS		0.00		



Well Name: Zellitti 34-9 #34-4

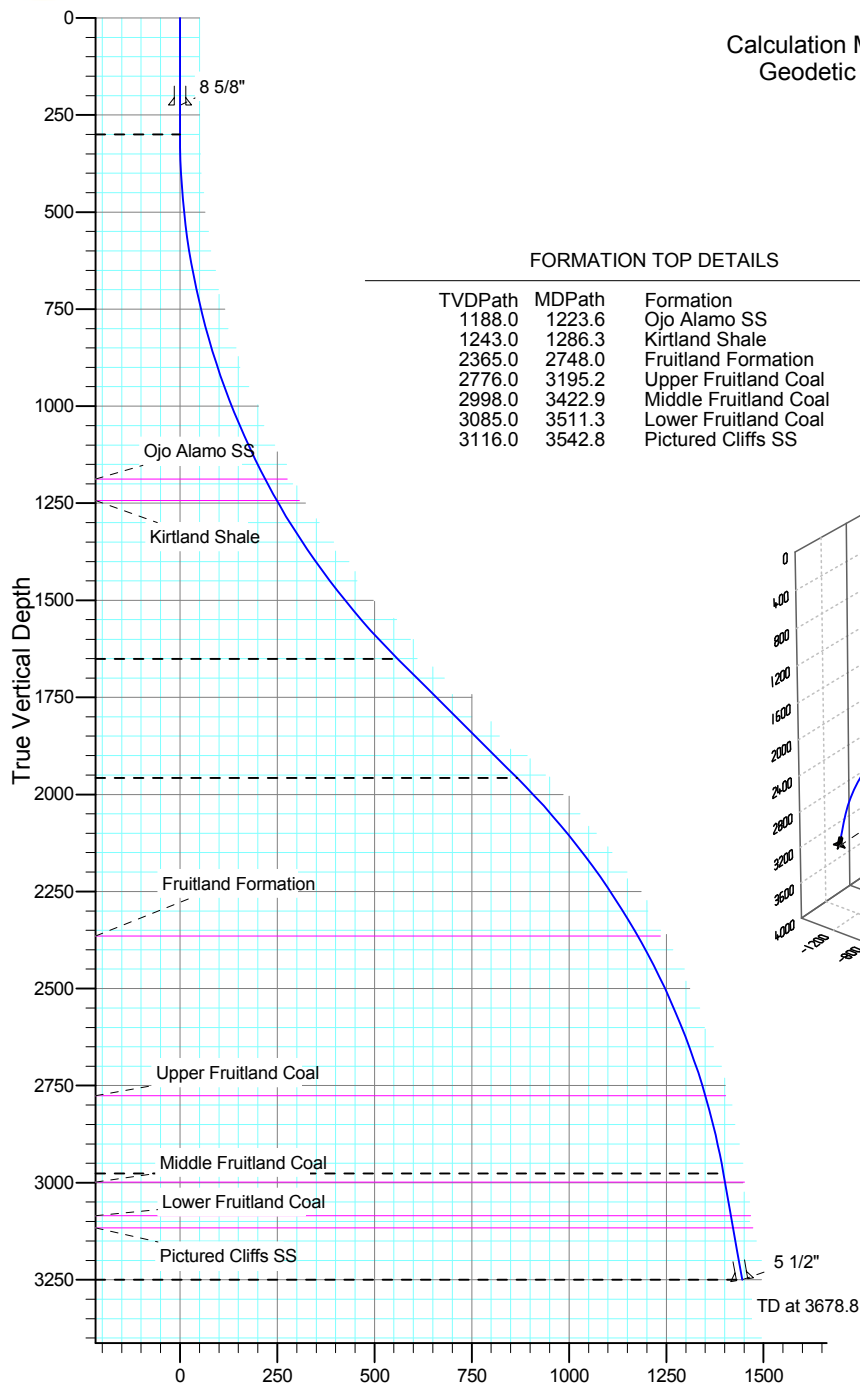
San Juan Division
Drilling Department

Calculation Method: Minimum Curvature
Geodetic Datum: North American Datum 1983
Lat: 37° 8' 35.412 N
Long: 107° 48' 54.648 W



Azimuths to True North
Magnetic North: 10.21°

Magnetic Field
Strength: 51243.2snT
Dip Angle: 63.86°
Date: 5/15/2009
Model: IGRF200510



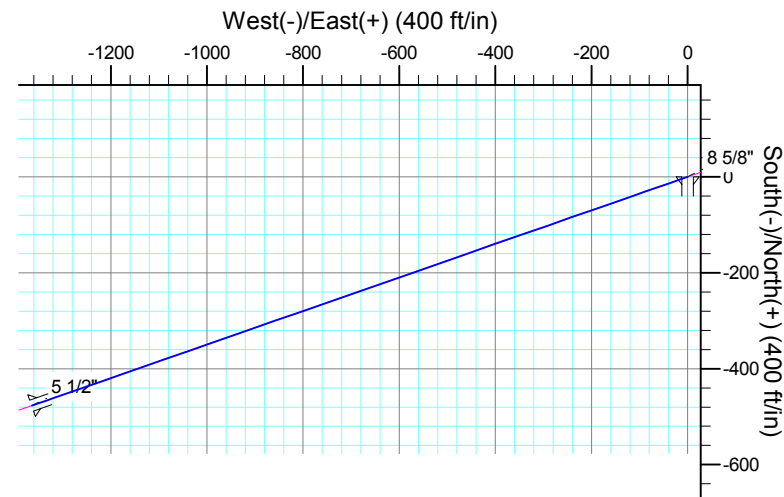
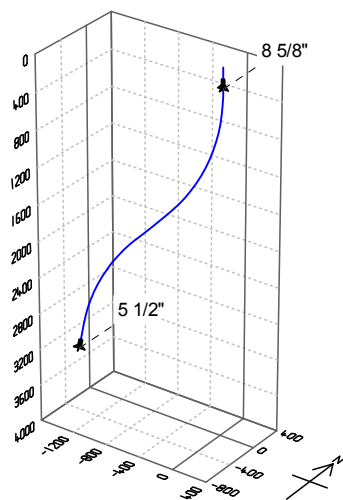
Vertical Section at 250.73°

FORMATION TOP DETAILS

TVDP	MD	Formation
1188.0	1223.6	Ojo Alamo SS
1243.0	1286.3	Kirtland Shale
2365.0	2748.0	Fruitland Formation
2776.0	3195.2	Upper Fruitland Coal
2998.0	3422.9	Middle Fruitland Coal
3085.0	3511.3	Lower Fruitland Coal
3116.0	3542.8	Pictured Cliffs SS

CASING DETAILS

TVDP	MD	Name	Size
225.0	225.0	8 5/8"	8.625
3250.0	3678.8	5 1/2"	5.500



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	300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.0	
3	1800.0	45.00	250.73	1650.5	-184.6	-528.0	3.00	250.73	559.4	
4	2234.4	45.00	250.73	1957.7	-286.0	-818.0	0.00	0.00	866.6	
5	3401.1	10.00	250.73	2976.5	-461.0	-1318.7	3.00	180.00	1396.9	
6	3678.8	10.00	250.73	3250.0	-477.0	-1364.2	0.00	0.00	1445.2	Proposed BHL-- Zellitti 34-9 #34-4