

XTO Energy

LaPlata County Directionals

Pargin #2-36

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Plan: Permitted Wellbore--Pargin #2-36

Standard Planning Report

20 July, 2010

XTO Energy Inc.

Planning Report

Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well Pargin #2-36
Company:	XTO Energy	TVD Reference:	Rig KB @ 6474.0ft (Aztec 507)
Project:	LaPlata County Directionals	MD Reference:	Rig KB @ 6474.0ft (Aztec 507)
Site:	Pargin #2-36	North Reference:	True
Well:	Pargin #2-36	Survey Calculation Method:	Minimum Curvature
Wellbore:	Pargin #2-36		
Design:	Permitted Wellbore--Pargin #2-36		

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	Pargin #2-36, T33N, R7W		
Site Position:		Northing:	1,148,575.03 ft
From:	Lat/Long	Easting:	2,400,417.59 ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	37° 3' 23.724 N
		Longitude:	107° 33' 17.100 W
		Grid Convergence:	-1.26 °

Well	Pargin #2-36, S-well to top of FC		
Well Position	+N/-S	0.0 ft	Northing: 1,148,575.03 ft
	+E/-W	0.0 ft	Easting: 2,400,417.59 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	6,462.0 ft
		Ground Level:	6,462.0 ft

Wellbore	Pargin #2-36				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	10.01	63.82	51,118

Design	Permitted Wellbore--Pargin #2-36			
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	31.99

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	
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	31.99	1,454.9	217.0	135.6	3.00	3.00	0.00	31.99	
2,113.1	30.00	31.99	1,985.9	477.0	298.0	0.00	0.00	0.00	0.00	
2,779.7	10.00	31.99	2,609.1	669.4	418.1	3.00	-3.00	0.00	180.00	
3,278.2	10.00	31.99	3,100.0	742.8	464.0	0.00	0.00	0.00	0.00	Proposed BHL--Pargi

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Project:	LaPlata County Directionals	MD Reference:	Rig KB @ 6474.0ft (Aztec 507)
Site:	Pargin #2-36	North Reference:	True
Well:	Pargin #2-36	Survey Calculation Method:	Minimum Curvature
Wellbore:	Pargin #2-36		
Design:	Permitted Wellbore--Pargin #2-36		

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	31.99	600.0	2.2	1.4	2.6	3.00	3.00	0.00
700.0	6.00	31.99	699.6	8.9	5.5	10.5	3.00	3.00	0.00
800.0	9.00	31.99	798.8	19.9	12.5	23.5	3.00	3.00	0.00
900.0	12.00	31.99	897.1	35.4	22.1	41.7	3.00	3.00	0.00
1,000.0	15.00	31.99	994.3	55.2	34.5	65.1	3.00	3.00	0.00
1,100.0	18.00	31.99	1,090.2	79.3	49.5	93.5	3.00	3.00	0.00
1,200.0	21.00	31.99	1,184.4	107.6	67.2	126.9	3.00	3.00	0.00
1,300.0	24.00	31.99	1,276.8	140.0	87.5	165.1	3.00	3.00	0.00
1,400.0	27.00	31.99	1,367.1	176.5	110.3	208.2	3.00	3.00	0.00
1,432.6	27.98	31.99	1,396.0	189.3	118.3	223.2	3.00	3.00	0.00
Ojo Alamo									
1,500.0	30.00	31.99	1,454.9	217.0	135.6	255.9	3.00	3.00	0.00
1,562.4	30.00	31.99	1,509.0	243.5	152.1	287.1	0.00	0.00	0.00
Kirtland Shale									
1,600.0	30.00	31.99	1,541.5	259.4	162.0	305.9	0.00	0.00	0.00
1,700.0	30.00	31.99	1,628.1	301.8	188.5	355.9	0.00	0.00	0.00
1,800.0	30.00	31.99	1,714.7	344.2	215.0	405.9	0.00	0.00	0.00
1,900.0	30.00	31.99	1,801.3	386.6	241.5	455.9	0.00	0.00	0.00
2,000.0	30.00	31.99	1,887.9	429.0	268.0	505.9	0.00	0.00	0.00
2,100.0	30.00	31.99	1,974.5	471.5	294.5	555.9	0.00	0.00	0.00
2,113.1	30.00	31.99	1,985.9	477.0	298.0	562.4	0.00	0.00	0.00
2,200.0	27.39	31.99	2,062.1	512.4	320.1	604.1	3.00	-3.00	0.00
2,300.0	24.39	31.99	2,152.1	549.4	343.2	647.8	3.00	-3.00	0.00
2,400.0	21.39	31.99	2,244.2	582.4	363.8	686.7	3.00	-3.00	0.00
2,457.5	19.67	31.99	2,298.0	599.5	374.5	706.9	3.00	-3.00	0.00
Fruitland Formation									
2,500.0	18.39	31.99	2,338.2	611.3	381.8	720.7	3.00	-3.00	0.00
2,600.0	15.39	31.99	2,433.9	635.9	397.2	749.8	3.00	-3.00	0.00
2,700.0	12.39	31.99	2,530.9	656.3	409.9	773.8	3.00	-3.00	0.00
2,745.0	11.04	31.99	2,575.0	664.0	414.8	782.9	3.00	-3.00	0.00
Upper Fruitland Coal									
2,779.7	10.00	31.99	2,609.1	669.4	418.1	789.3	3.00	-3.00	0.00
2,800.0	10.00	31.99	2,629.1	672.4	420.0	792.8	0.00	0.00	0.00
2,826.3	10.00	31.99	2,655.0	676.3	422.4	797.3	0.00	0.00	0.00
Middle Fruitland Coal									
2,900.0	10.00	31.99	2,727.6	687.1	429.2	810.1	0.00	0.00	0.00
2,934.9	10.00	31.99	2,762.0	692.3	432.4	816.2	0.00	0.00	0.00
Pictured Cliffs Tongue									
3,000.0	10.00	31.99	2,826.1	701.8	438.4	827.5	0.00	0.00	0.00
3,100.0	10.00	31.99	2,924.5	716.6	447.6	844.9	0.00	0.00	0.00
3,130.9	10.00	31.99	2,955.0	721.1	450.4	850.2	0.00	0.00	0.00
Lower Fruitland Coal									
3,153.3	10.00	31.99	2,977.0	724.4	452.5	854.1	0.00	0.00	0.00
Pictured Cliffs SS									
3,200.0	10.00	31.99	3,023.0	731.3	456.8	862.2	0.00	0.00	0.00

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Project:	LaPlata County Directionals	MD Reference:	Rig KB @ 6474.0ft (Aztec 507)
Site:	Pargin #2-36	North Reference:	True
Well:	Pargin #2-36	Survey Calculation Method:	Minimum Curvature
Wellbore:	Pargin #2-36		
Design:	Permitted Wellbore--Pargin #2-36		

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)
3,278.2	10.00	31.99	3,100.0	742.8	464.0	875.8	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--Pargin #	0.00	0.00	3,100.0	742.8	464.0	1,149,307.44	2,400,897.81	37° 3' 31.068 N	107° 33' 11.376 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	
3,278.2	3,100.0	5 1/2"	5-1/2	7-7/8	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,432.6	1,396.0	Ojo Alamo		0.00		
1,562.4	1,509.0	Kirtland Shale		0.00		
2,457.5	2,298.0	Fruitland Formation		0.00		
2,745.0	2,575.0	Upper Fruitland Coal		0.00		
2,826.3	2,655.0	Middle Fruitland Coal		0.00		
2,934.9	2,762.0	Pictured Cliffs Tongue		0.00		
3,130.9	2,955.0	Lower Fruitland Coal		0.00		
3,153.3	2,977.0	Pictured Cliffs SS		0.00		



Well Name: Pargin #2-36

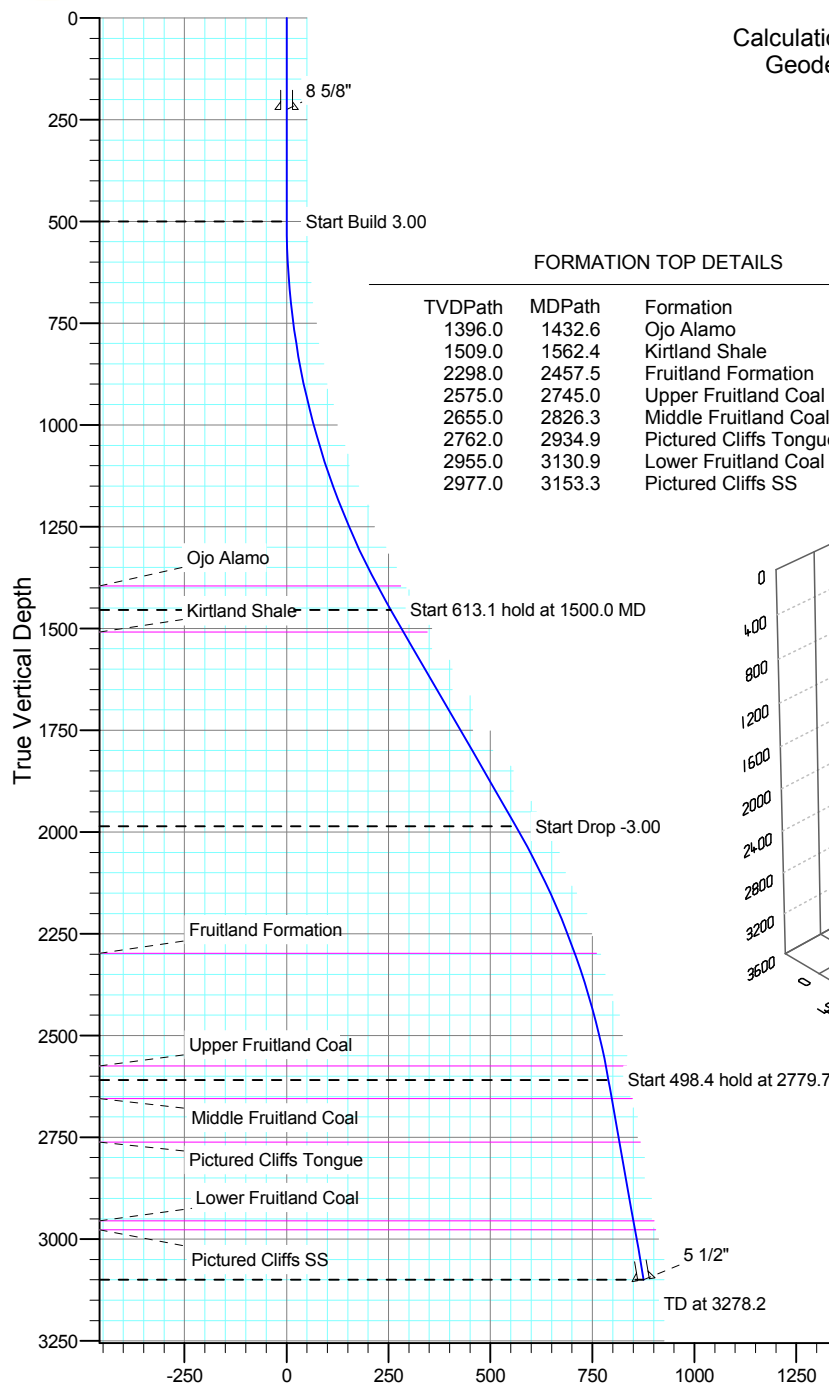
San Juan Division
Drilling Department

Calculation Method: Minimum Curvature
Geodetic Datum: North American Datum 1983
Lat: 37° 3' 23.724 N
Long: 107° 33' 17.100 W



Azimuths to True North
Magnetic North: 10.01°

Magnetic Field
Strength: 51118.0snT
Dip Angle: 63.82°
Date: 12/31/2009
Model: IGRF200510

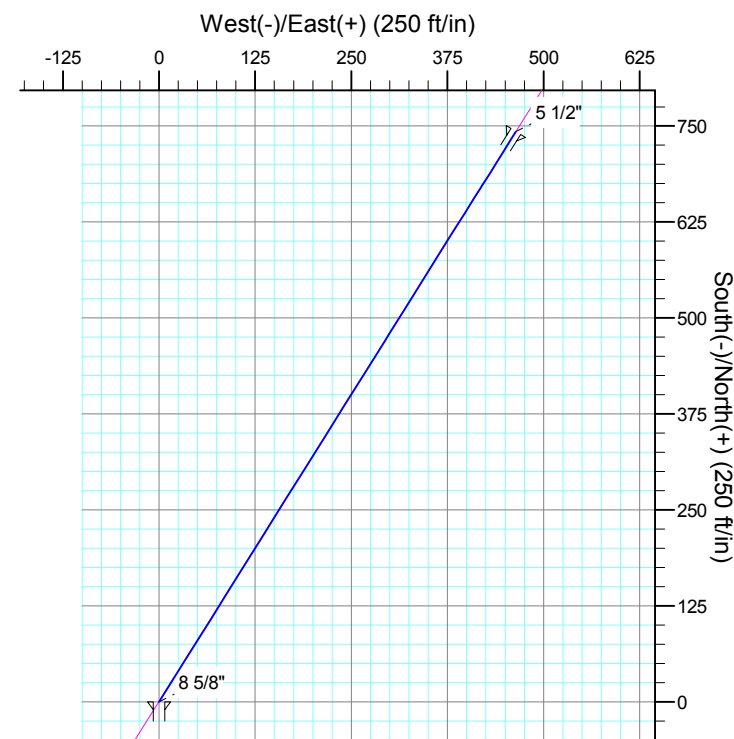
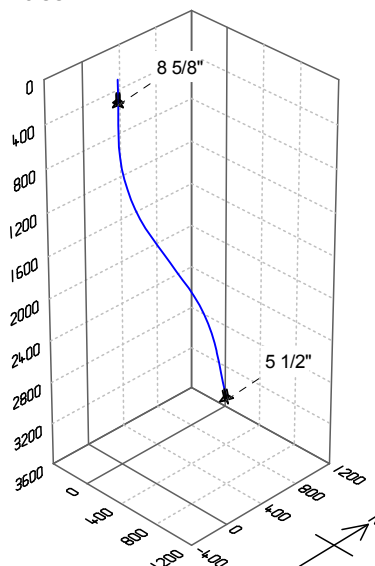


FORMATION TOP DETAILS

TVDPth	MDPath	Formation
1396.0	1432.6	Ojo Alamo
1509.0	1562.4	Kirtland Shale
2298.0	2457.5	Fruitland Formation
2575.0	2745.0	Upper Fruitland Coal
2655.0	2826.3	Middle Fruitland Coal
2762.0	2934.9	Pictured Cliffs Tongue
2955.0	3130.9	Lower Fruitland Coal
2977.0	3153.3	Pictured Cliffs SS

CASING DETAILS

TVD	MD	Name	Size
225.0	225.0	8 5/8"	8-5/8
3100.0	3278.2	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	31.99	1454.9	217.0	135.6	3.00	31.99	255.9	
4	2113.1	30.00	31.99	1985.9	477.0	298.0	0.00	0.00	562.4	
5	2779.7	10.00	31.99	2609.1	669.4	418.1	3.00	180.00	789.3	
6	3278.2	10.00	31.99	3100.0	742.8	464.0	0.00	0.00	875.8	Proposed BHL--Pargin #2-36