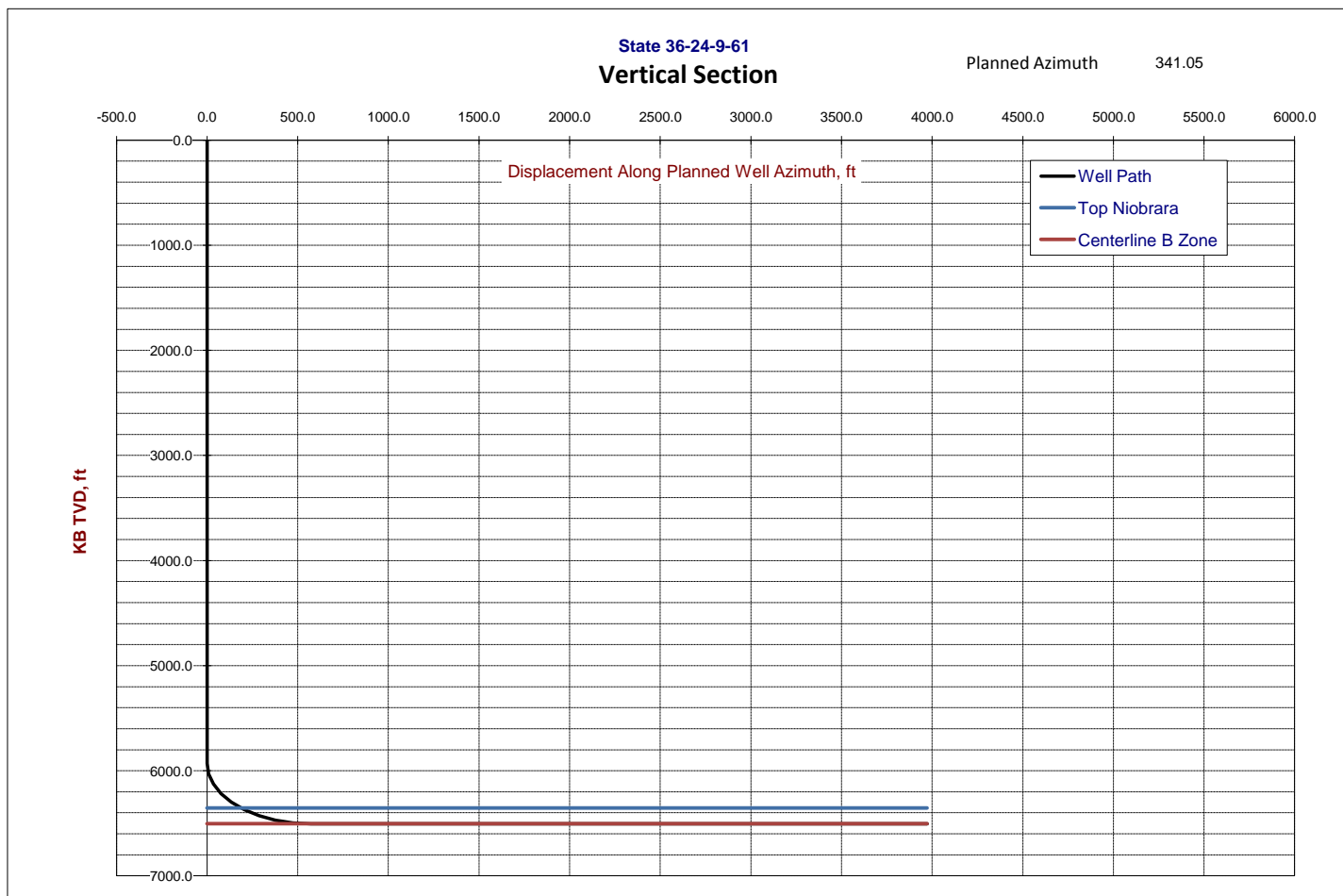




Directional Well Program

Well Name:	State 36-24-9-61	County	Weld	Engineer:	Fisher			
Date:	Carrizo Oil & Gas, Inc	State	Colorado					
Comments on Well Plan								
Well Information								
Casing Program	MD, ft	TVD	Size In	Well Dev, deg	Well Elevation - GL, ft	5014	Act	
					Rig Elevation to KB, ft	20	Est	
Surface	1400	1400	9 5/8"	0	Total Elevation correction, ft	5034		
Intermediate:	6831	6504	7"	90	Total Drilling Days:	20		
Production	10230	6504	4 1/2"	90				
	X	Y						
Surface Location:	3372647	1500771	Coordinate System - State Plane		NAD 83			
Bottom Hole Location:	3371357	1504528	Zone		Colorado North Zone			
Directional Summary								
Horizontal well targeting Niobrara	Plnd Well Az fr KOP		341.05	Grid	Total Measured Depth, ft		10230	
Prelim Well Plan	Ttl Projd Displ, ft along Az		3972		Total TVD, ft		6504	
Directional Event	MD	TVD	Dev, deg	BR deg/100'	TR deg/100'	Cumm Displ	Azimuth	Cls Az
Surface Location	0	0	0.00	0.00	0.00	0	0.00	5.71
Drill Surface hole, Set 9 5/8" Surf Csg	1400	1400	0.00	0.00	0.00	0	0.00	0.02
Drill to KOP Vertical Start Build	5931	5931	0.00	0.00	0.00	0	0.00	0.01
Build at 10 deg/100'	6031	6030	10.00	10.00	341.05	9	341.05	341.05
Land Well in Target, Set 7" Inter Csg	6831	6504	90.00	10.00	0.00	573	341.05	341.05
Drill out lateral, Run Prod Csg	10230	6504	90.00	0.00	0.00	3972	341.05	341.05
Target Information								
	Name	Well Intersection Point						
		X	Y	KB, TVD	SS TVD	N-S	E-W	VS
SL	Surface Location	3372647	1500771	0	0	0	0.0	0
Target 1	Intersect Top Niobrara	3372586	1500949	6354	1320	178.5	-61.3	188.75
Target 2	Land Well In Target Set 7" Inter Csg	3372461	1501313	6504	1470	541.9	-186.1	572.96
Target 3								
BHL	Total Depth	3371357	1504528	6504	-1470	3757.0	-1289.9	3972
Notes								





CARRIZO OIL & GAS, INC.

Directional Well Program

Well Name:	State 36-24-9-61	County	Weld	Engineer:	Fisher
Date:	Carrizo Oil & Gas, Inc	State	Colorado		

Plan View

State 36-24-9-61

Well Azimuth 341.05

