



# XTO - Wellbore Diagram

Well Name: PCU T78X-12G14

API/UWI	E/W Dist (ft)	E/W Ref	N/S Dist (ft)	N/S Ref	Location	Field Name	County	State/Province
05103117300000	1,041.0	FEL	330.0	FSL	T02S-R97W-S12	Piceance Creek	Rio Blanco	Colorado
Well Configuration Type	XTO ID B	Orig KB Elev (ft)	Gr Elev (ft)	KB-Grd (ft)	Spud Date	PBTD (All) (ftKB)	Total Depth (ftKB)	Method Of Production
Directional	506385	7,288.10	7,262.00	26.10	12/3/2011		13,166.0	

Well Config: Directional - Original Hole, 12/6/2013 12:39:45 PM

Schematic - Actual			Incl	ftKB (TVD)	ftKB (MD)	Zones										
						Zone		Top (ftKB)			Btm (ftKB)					
						Casing Strings										
						Casing Description		OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)				
						Conductor Pipe		16	75.00	J-55	BTC	147.0				
						Casing Description		OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)				
						Surface Casing		10 3/4	45.50	J-55	BTC	3,880.0				
						Casing Description		OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)				
						Intermediate Casing		7	26.00	P-110	513	9,082.0				
						Casing Description		OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)				
						Production Casing		4 1/2	15.50	P-110	563	13,156.0				
						Cement										
						Description				Type			String			
						Conductor Casing Cement				casing			Conductor Pipe, 147.0ftKB			
						Comment										
						Description				Type			String			
						Surface Casing Cement				casing			Surface Casing, 3,880.0ftKB			
						Comment										
						Description				Type			String			
						Intermediate Casing Cement				casing			Intermediate Casing, 9,082.0ftKB			
						Comment										
						Description				Type			String			
						Production Casing Cement				casing			Production Casing, 13,156.0ftKB			
						Comment										
						TOC unknown.										
						Perforations										
						Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Hole Diameter (in)	Phasing (°)	Curr... Status	Zone			
						Tubing Strings										
						Tubing Description				Run Date			Set Depth (ftKB)			
						Tubing Components										
						Item Description	Jts	Model	OD (in)	Wt (lbs/ft)	Gra...	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)	
						Rods										
						Rod Description				Run Date			String Length (ft)		Set Depth (ftKB)	
						Rod Components										
						Item Description	Jts	Model	OD (in)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)			
						Stimulations & Treatments										
						Frac Start Date	Top Perf (ft...)	Bottom Pe...	V (slurry) (...)	Total Prop...	AIR (b...	ATP (psi)	MTP (psi)	ISIP (psi)		
						Comment										