



# XTO - Wellbore Diagram

Well Name: Apache Canyon 23-11

API/UWI	E/W Dist (ft)	E/W Ref	N/S Dist (ft)	N/S Ref	Location	Field Name	County	State/Province
05071063430000	2,591.0	FWL	1,482.0	FSL	T34S-R68W-S23	Purgatoire River	Las Animas	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
Vertical	94565	7,550.00	7,550.00	0.00	6/22/1996	Original Hole - 1160.0	1,220.0	None

Well Config: Vertical - Original Hole, 8/9/2013 1:13:12 PM

Schematic - Actual		Incl	ftKB (TVD)	ftKB (MD)	Zones									
					Zone		Top (ftKB)		Btm (ftKB)					
					Vermejo		984.0		1,044.0					
					Casing Strings									
					Casing Description		OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)			
				0	Surface		7				204.0			
					Casing Description		OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)			
					Production		4 1/2	9.50	K-55		1,208.0			
					Cement									
				50	Description		Type		String					
					Cement Plug		plug							
					Comment									
				204	Description		Type		String					
					Surface Casing Cement		casing		Surface, 204.0ftKB					
					Comment									
				960	Description		Type		String					
					Production Casing Cement		casing		Production, 1,208.0ftKB					
				962	Comment									
					Perforations									
				975										
					Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Hole Diameter (in)	Phasing (°)	Curr... Status	Zone		
					8/15/1996	984.0	989.0	4.0				Vermejo		
				984	7/16/1996	1,005.0	1,011.0	4.0				Vermejo		
					8/15/1996	1,029.0	1,032.0	4.0				Vermejo		
					8/15/1996	1,040.0	1,044.0	4.0				Vermejo		
				989	Tubing Strings									
					Tubing Description		Run Date		Set Depth (ftKB)					
				1,005	Tubing Components									
					Item Description	Jts	Model	OD (in)	Wt (lbs/ft)	Grade	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)
				1,011	Rods									
					Rod Description		Run Date		String Length (ft)		Set Depth (ftKB)			
				1,029	Rod Components									
					Item Description	Jts	Model	OD (in)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)		
				1,032	Stimulations & Treatments									
					Frac Start Date	Top Perf (ft...)	Bottom Pe...	V (slurry) (...)	Total Prop...	AIR (b...	ATP (psi)	MTP (psi)	ISIP (psi)	
					7/17/1996	1005	1011							
					Comment									
				1,040	Frac Start Date	Top Perf (ft...)	Bottom Pe...	V (slurry) (...)	Total Prop...	AIR (b...	ATP (psi)	MTP (psi)	ISIP (psi)	
					8/15/1996	984	1044							
					Comment									
				1,044	Frac Start Date	Top Perf (ft...)	Bottom Pe...	V (slurry) (...)	Total Prop...	AIR (b...	ATP (psi)	MTP (psi)	ISIP (psi)	
					1/4/1997	984	989							
				1,160	Comment									
				1,180										
				1,208										
				1,220										

4-1/2" CIBP, 4 1/2, 960-962

Top (MD):984, Des:Vermejo

PBTD, 1,160

TD, 1,220

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PBTD, 1,160

TD, 1,220