

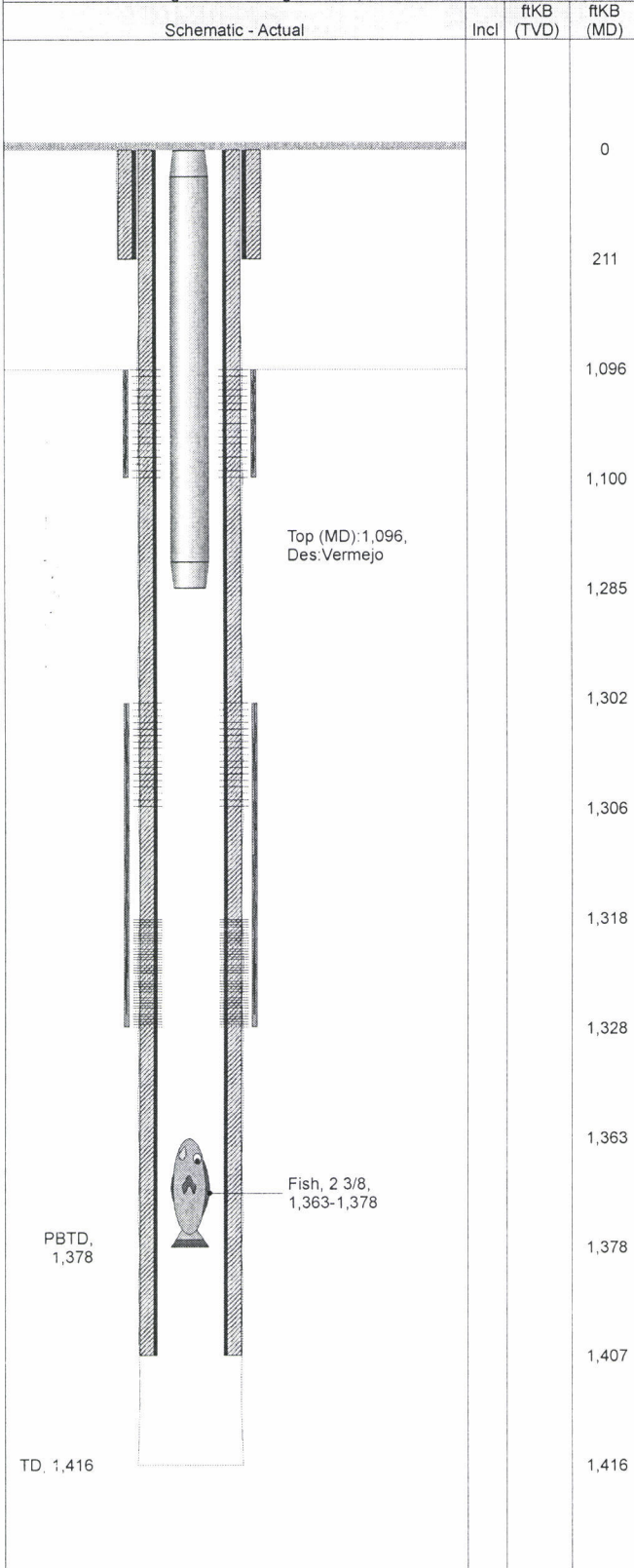


# XTO - Wellbore Diagram

**Well Name: Apache Canyon 03-09**

API/UWI 05071062990000	E/W Dist (ft) 703.0	E/W Ref FEL	N/S Dist (ft) 1,508.0	N/S Ref FSL	Location T34S-R67W-S03	Field Name Purgatoire River	County Las Animas	State/Province Colorado
Well Configuration Type Vertical	XTO ID B 94507	Orig KB Elev (ft) 7,069.00	Gr Elev (ft) 7,069.00	KB-Grd (ft) 0.00	Spud Date 11/18/1996	PBTD (All) (ftKB) Original Hole - 1378.0	Total Depth (ftKB) 1,416.0	Method Of Production Beam

Well Config: Vertical - Original Hole, 10/10/2013 11:35:45 AM



Zones		Zone	Top (ftKB)	Btm (ftKB)					
Vermejo			1,096.0	1,328.0					
<b>Casing Strings</b>									
Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)				
Surface	7	20.00			211.0				
Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)				
Production	4 1/2	10.50			1,407.0				
<b>Cement</b>									
Description	Type	String							
Production Casing Cement	casing	Production, 1,407.0ftKB							
Comment									
Description	Type	String							
Surface Casing Cement	casing	Surface, 211.0ftKB							
Comment									
<b>Perforations</b>									
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Hole Diameter (in)	Phasing (*)	Curr... Status	Zone		
	1,096.0	1,100.0					Vermejo		
	1,302.0	1,306.0					Vermejo		
	1,318.0	1,328.0					Vermejo		
<b>Tubing Strings</b>									
Tubing Description	Run Date	Set Depth (ftKB)							
2 3/8 in tubing		1,285.0							
<b>Tubing Components</b>									
Item Description	Jts	Model	OD (in)	Wt (lbs/ft)	Gra...	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)
tubing			2 3/8				1,285.00	0.0	1,285.0
<b>Rods</b>									
Rod Description	Run Date	String Length (ft)		Set Depth (ftKB)					
<b>Rod Components</b>									
Item Description	Jts	Model	OD (in)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)		
<b>Stimulations &amp; Treatments</b>									
Frac Start Date	Top Perf (ft...)	Bottom Pe...	V (slurry) (...)	Total Prop...	AIR (b...	ATP (psi)	MTP (psi)	ISIP (psi)	
Comment									
IHS 297 Well Import									
Test number: 001									
Measurement: gal lb									
Remarks: 20/40 sd									
Frac Start Date	Top Perf (ft...)	Bottom Pe...	V (slurry) (...)	Total Prop...	AIR (b...	ATP (psi)	MTP (psi)	ISIP (psi)	
Comment									
IHS 297 Well Import									
Test number: 001									
Measurement: gal lb									
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<p><i>CBL 12/4/1996 Doc #598950</i></p>									