

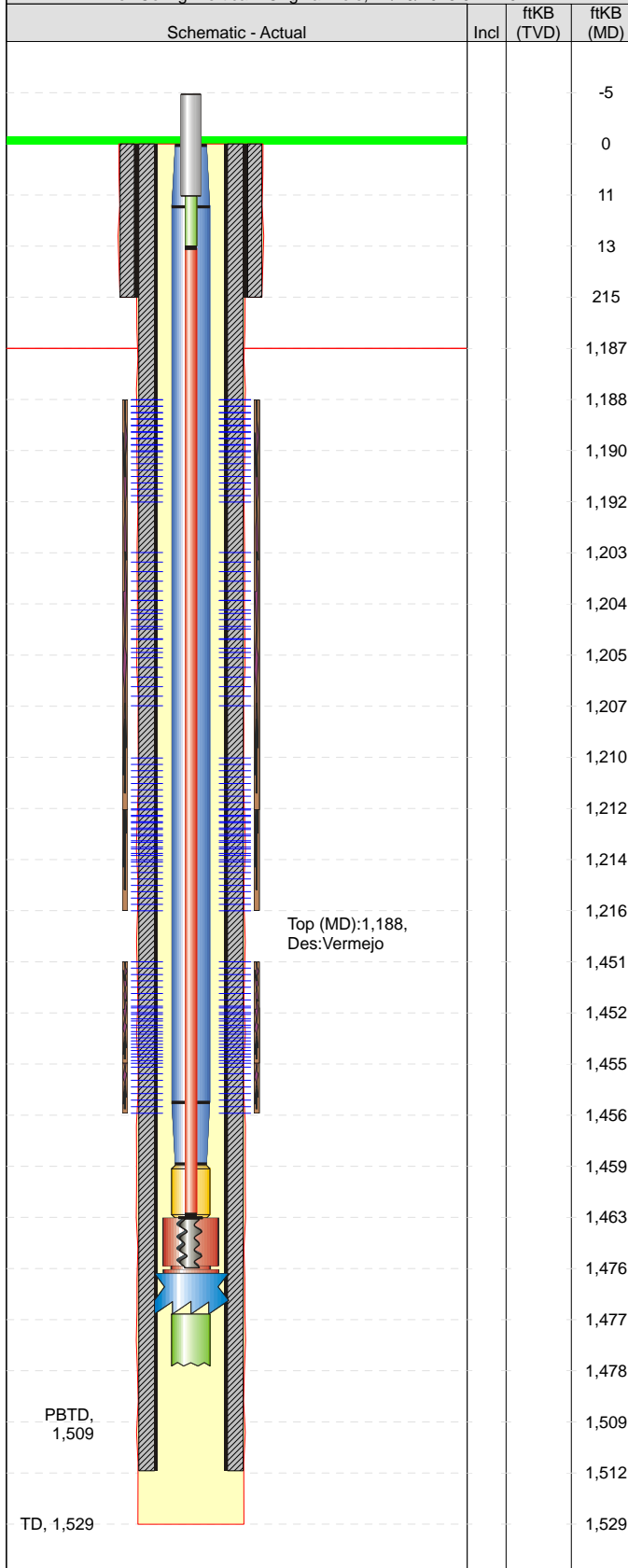


XTO - Wellbore Diagram

Well Name: Apache Canyon 03-05

API/UWI 05071062680000	E/W Dist (ft) 765.0	E/W Ref FWL	N/S Dist (ft) 2,013.0	N/S Ref FNL	Location T34S-R67W-S03	Field Name Purgatoire River	County Las Animas	State/Province Colorado
Well Configuration Type Vertical	XTO ID B 94506	Orig KB Elev (ft) 7,172.00	Gr Elev (ft) 7,172.00	KB-Grd (ft) 0.00	Spud Date 11/22/1996	PBTD (All) (ftKB) Original Hole - 1509.0	Total Depth (ftKB) 1,529.0	Method Of Production PCP

Well Config: Vertical - Original Hole, 12/19/2013 9:12:10 AM



Zones		Top (ftKB)		Btm (ftKB)						
Vermejo		1,188.0		1,456.0						
Casing Strings										
-5	Casing Description Surface	OD (in) 7	Wt (lbs/ft)	String Grade	Top Connection Set Depth (ftK... 215.0					
0	Casing Description Production	OD (in) 4 1/2	Wt (lbs/ft) 9.50	String Grade J-55	Top Connection Set Depth (ftK... 1,512.0					
Cement										
11	Description Surface Casing Cement		Type casing	String Surface, 215.0ftKB						
13	Comment									
215	Description Production Casing Cement		Type casing	String Production, 1,512.0ftKB						
1,187	Comment									
Perforations										
1,188	Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Hole Diameter (in)	Phasing (°)	Curr... Status	Zone		
1,190	1/3/1997	1,188.0	1,192.0	4.0				Vermejo		
1,192	3/1/2005	1,188.0	1,190.0	4.0				Vermejo		
1,203	1/3/1997	1,203.0	1,207.0	4.0				Vermejo		
1,204	3/1/2005	1,204.0	1,205.0	4.0				Vermejo		
1,205	1/3/1997	1,210.0	1,216.0	4.0				Vermejo		
1,205	3/1/2005	1,212.0	1,214.0	4.0				Vermejo		
1,205	3/1/2005	1,451.0	1,455.0	4.0				Vermejo		
1,205	1/2/1997	1,452.0	1,456.0	4.0				Vermejo		
Tubing Strings										
1,207	Tubing Description 2 3/8 in tubing		Run Date 7/22/2005	Set Depth (ftKB) 1,477.7						
Tubing Components										
1,212	Item Description	Jts	Model	OD (in)	Wt (lbs/...)	Gra...	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)
1,214	Tubing	47	T&C Non-...	2 3/8	4.60	J-55		1,459.27	0.0	1,459.3
1,216	Tubing Sub	1		2 3/8	4.75	J-55		4.10	1,459.3	1,463.4
1,216	Stator	1	20N0...	3 1/2				12.80	1,463.4	1,476.2
1,451	No Turn Tool	1		4 1/2				1.05	1,476.2	1,477.2
1,451	Notched collar	1		2 3/8				0.44	1,477.2	1,477.7
Rods										
1,452	Rod Description Rod String		Run Date 7/22/2005	String Length (ft) 1,480.80		Set Depth (ftKB) 1,476.0				
Rod Components										
1,456	Item Description	Jts	Model	OD (in)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)		
1,456	Polished Rod	1		1 1/4		16.00	-4.8	11.2		
1,459	Rod Sub	1		3/4	D	2.00	11.2	13.2		
1,459	Sucker Rod w/3 Molded Guides	58		3/4	D	1,450.00	13.2	1,463.2		
1,463	Rotor		20N095	1 1/2		12.80	1,463.2	1,476.0		
Stimulations & Treatments										
1,476	Frac Start Date	Top Perf (ft...)	Bottom Pe...	V (slurry) (...)	Total Prop...	AIR (b...	ATP (psi)	MTP (psi)	ISIP (psi)	
1,476	1/2/1997	1452	1456							
1,477	Comment IHS 297 Well Import Test number: 001 Measurement: gal lb Remarks: 20/40 sd									
1,478										
1,509										
1,512										
1,529										



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Stimulations & Treatments

Schematic - Actual		Incl	ftKB (TVD)	ftKB (MD)	Frac Start Date	Top Perf (ft...)	Bottom Pe...	V (slurry) (...)	Total Prop...	AIR (b...	ATP (psi)	MTP (psi)	ISIP (psi)	
Comment					1/3/1997	1188	1216							
IHS 297 Well Import Test number: 001 Measurement: gal lb Remarks: 20/40 sd														
Comment					3/1/2005	1451	1455							
Comment					3/2/2005	1188	1212							
Comment														
					1,187									
					1,188									
					1,190									
					1,192									
					1,203									
					1,204									
					1,205									
					1,207									
					1,210									
					1,212									
					1,214									
					1,216									
					1,451									
					1,452									
					1,455									
					1,456									
					1,459									
					1,463									
					1,476									
					1,477									
					1,478									
					1,509									
					1,512									
					1,529									

Top (MD):1,188,
Des:Vermejo

PBTD,
1,509

TD, 1,529