



XTO - Wellbore Diagram

Well Name: Apache Canyon 07-01 (PA)

API/UWI	E/W Dist (ft)	E/W Ref	N/S Dist (ft)	N/S Ref	Location	Field Name	County	State
05071061370000	657.0	FEL	984.0	FNL	T34S-R67W-S07	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	94514	7,611.00	7,600.00	11.00	10/20/1989	Original Hole - 2080.0	2,127.0	Plugged

Well Config: Vertical - Original Hole, 7/11/2012 12:26:42 PM

Schematic - Actual		Incl	ftKB (TVD)	ftKB (MD)	Zone	Top (ftKB)	Btm (ftKB)					
					Vermejo	1,646.0	1,900.0					
		Casing Strings										
		0	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)				
			Surface	8 5/8	24.00	K-55	ST&C	203.0				
		1	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)				
			Production	5 1/2	15.50	K-55		2,127.0				
		203	Item Description	OD (in)	Wt (lbs/ft)	Grade	Top (ftKB)	Bottom (ftKB)				
			DV Tool	5 1/2			1,458.0	1,460.0				
		255	Cement									
			Description	Type	String							
		256	Production Casing Cement	casing	Production, 2,127.0ftKB							
			Comment									
		705	original TOC @ 856'. Performed 1" topout in 2/10/2002 with 52sks of Midcon @ 13.0 ppg. Circulated cement to surface. CBL indicate cement to surface.									
		708	Description	Type	String							
			Surface Casing Cement	casing	Surface, 203.0ftKB							
			Comment									
		1,346										
		1,458	Description	Type	String							
			Cement Plug	plug	Production, 2,127.0ftKB							
			Comment									
		1,460										
		1,496	Perforations									
			Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Hole Diameter (in)	Phasing (°)	Curr... Status	Zone		
		1,498	6/12/2012	255.0	256.0		0.420	120				
		1,568	1/26/1990	1,646.0	1,651.0	8.0				Vermejo		
			1/26/1990	1,838.0	1,844.0	8.0				Vermejo		
		1,646	1/26/1990	1,855.0	1,857.0	8.0				Vermejo		
			1/26/1990	1,876.0	1,878.0	8.0				Vermejo		
		1,651	1/26/1990	1,890.0	1,891.0	8.0				Vermejo		
			1/26/1990	1,898.0	1,900.0	8.0				Vermejo		
		1,837	Tubing Strings									
			Tubing Description	Run Date	Set Depth (ftKB)							
		1,838										
		1,844	Tubing Components									
			Item Description	Jts	Model	OD (in)	Wt (lbs/ft)	Grade	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)
		1,855										
		1,857	Rods									
			Rod Description	Run Date	String Length (ft)				Set Depth (ftKB)			
		1,876										
		1,878	Rod Components									
			Item Description	Jts	Model	OD (in)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)		
		1,887	Stimulations & Treatments									
			Frac Start Date	Top Perf (ft...)	Bottom Pe...	V (slurry) (...)	Total Prop...	AIR (b...	ATP (psi)	MTP (psi)	ISIP (psi)	
		1,890	1/31/1990	1838	1900							
			Comment									
		1,891										
			Frac Start Date	Top Perf (ft...)	Bottom Pe...	V (slurry) (...)	Total Prop...	AIR (b...	ATP (psi)	MTP (psi)	ISIP (psi)	
		1,898	2/2/1990	1646	1651							
			Comment									
		1,900										
		1,926										
		2,044										
		2,080										
		2,127										

5 1/2" CIBP, 4.950, 1,496-1,498

Top (MD):1,646, Des:Vermejo

PBTD, 2,080

TD, 2,127

PBTD,
2,080

TD, 2,127