



XTO - Wellbore Diagram

Well Name: Apache Canyon 14-15

API/UWI	E/W Dist (ft)	E/W Ref	N/S Dist (ft)	N/S Ref	Location	Field Name	County	State
05071084710000	1,843.0	FEL	1,189.0	FSL	T34S-R68W-S14	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	94866	8,203.00	8,203.00	0.00	8/18/2005	Original Hole - 2158.0	2,240.0	PCP

Well Config: Vertical - Original Hole, 10/2/2012 11:39:07 AM

Schematic - Actual		Incl	ftKB (TVD)	ftKB (MD)	Zones									
					Zone	Top (ftKB)		Btm (ftKB)						
				-10	Raton	526.0		870.0						
				0	Vermejo	1,680.0		1,899.0						
				6	Casing Strings									
				12	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)				
				43	Conductor	12 3/4				43.0				
				160	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)				
				201	Surface	8 5/8	24.00	J-55		201.7				
				202	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)				
				212	Production	5 1/2	15.50	J-55		2,187.3				
				526	Item Description	OD (in)	Wt (lbs/ft)	Grade	Top (ftKB)	Bottom (ftKB)				
				528	DV Tool	5 1/2			1,294.4	1,308.7				
				543	Cement									
				545	Description	Type		String						
				594	Conductor Casing Cement	casing		Conductor, 43.0ftKB						
				597	Comment									
				716	Description	Type		String						
				717	Surface Casing Cement	casing		Surface, 201.7ftKB						
				794	Comment									
				796	Description	Type		String						
				808	Production Casing Cement	casing		Production, 2,187.3ftKB						
				809	Comment									
				864	Description	Type		String						
				865	Cement Squeeze	squeeze		Production, 2,187.3ftKB						
				869	Comment									
				870	Perforations									
				1,294	Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Hole Diameter (in)	Phasing (")	Curr... Status	Zone		
				1,294	3/9/2006	526.0	528.0	3.0	0.400	120		Raton		
				1,309	3/9/2006	543.0	545.0	3.0	0.400	120		Raton		
				1,490	3/9/2006	594.0	597.0	3.0	0.400	120	PI...	Raton		
				1,636	3/9/2006	716.0	717.0	3.0	0.400	120		Raton		
				1,652	3/9/2006	794.0	796.0	3.0	0.400	120		Raton		
				1,680	3/9/2006	808.0	809.0	3.0	0.400	120		Raton		
				1,682	3/9/2006	864.0	865.0	3.0	0.400	120		Raton		
				1,694	3/9/2006	869.0	870.0	3.0	0.400	120		Raton		
				1,695	3/7/2006	1,680.0	1,682.0	3.0	0.400	120		Vermejo		
				1,702	3/7/2006	1,694.0	1,695.0	3.0	0.400	120		Vermejo		
				1,704	3/7/2006	1,702.0	1,704.0	3.0	0.400	120		Vermejo		
				1,715	3/7/2006	1,715.0	1,716.0	3.0	0.400	120		Vermejo		
				1,716	3/7/2006	1,744.0	1,745.0	3.0	0.400	120		Vermejo		
				1,744	3/7/2006	1,747.0	1,749.0	3.0	0.400	120		Vermejo		
				1,745	3/7/2006	1,896.0	1,899.0	3.0	0.400	120		Vermejo		
				1,747	Tubing Strings									
				1,749	Tubing Description	Run Date		Set Depth (ftKB)						
				1,896	Tubing - Production	8/21/2012		1,996.9						
				1,899	Tubing Components									
				1,948	Item Description	Jts	Model	OD (in)	Wt (lbs/...	Gra...	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)
				1,984	Tubing	60	T&C Upset	2 7/8	6.50	J-55		1,983.60	0.0	1,983.6
				1,987	Tubing Sub	1		2 7/8	6.50	J-55		4.10	1,983.6	1,987.7
				1,988	Stator	1	30N0...	3 1/2				7.70	1,987.7	1,995.4
				1,994	No Turn Tool	1		5 1/2				1.05	1,995.4	1,996.5
				1,995	Notched Collar	1		2 7/8				0.44	1,996.5	1,996.9
				1,996	Rods									
				1,997	Rod Description	Run Date		String Length (ft)		Set Depth (ftKB)				
				2,144	Rod - Rotor	8/21/2012		2,004.05		1,994.0				
				2,145										
				2,158										
				2,186										
				2,187										
				2,240										

Top (MD):526,
Des:Raton

Top (MD):1,680,
Des:Vermejo

PBTD,
2,158

TD, 2,240

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Des:Raton

Top (MD):1,680,
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PBTD,
2,158

TD, 2,240



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