



XTO - Wellbore Diagram

Well Name: PCU T78X-12G10

API/UWI	E/W Dist (ft)	E/W Ref	N/S Dist (ft)	N/S Ref	Location	Field Name	County	State/Province
05103117270000	992.0	FEL	366.0	FSL	T02S-R97W-S12	Piceance Creek	Rio Blanco	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
Directional	506386	7,289.00	7,263.00	26.00	4/1/2012		13,616.0	

Well Config: Directional - Original Hole, 2/13/2014 1:15:11 PM

Schematic - Actual			Incl	ftKB (TVD)	ftKB (MD)	Zones									
						Zone		Top (ftKB)			Btm (ftKB)				
					0	Casing Strings									
			0.1	26	26	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)				
			0.1	26	26	Conductor	16 3/4	118.00	J-55	BTC	145.0				
			0.1	26	26	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)				
			0.1	26	26	Surface	10 3/4	45.50	J-55	BTC	4,138.1				
			0.2	31	31	Item Description	OD (in)	Wt (lbs/ft)	Grade	Top (ftKB)	Bottom (ftKB)				
			0.2	31	31	Stage Tool	10 3/4	45.50	J-55	1,394.9	1,397.2				
			0.3	63	63	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)				
			0.3	63	63	Intermediate	7	26.00	P-110	Hydril 563	9,447.0				
			0.3	64	64	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)				
			0.3	64	64	Production	4 1/2	15.10	P-110	Hydril 563	13,607.7				
0.7	145	145													
22.8	1,363	1,395	Cement												
22.8	1,363	1,395	Description	Type			String								
22.9	1,365	1,397	Conductor Casing Cement	casing			Conductor, 145.0ftKB								
22.9	1,365	1,397	Comment												
26.0	2,383	2,528													
25.9	3,745	4,046	Description	Type			String								
25.9	3,745	4,046	Surface Casing Cement	casing			Surface, 4,138.1ftKB								
25.9	3,747	4,047	Comment												
26.1	3,827	4,136	Description	Type			String								
26.1	3,827	4,136	Intermediate Casing Cement	casing			Intermediate, 9,447.0ftKB								
26.1	3,828	4,138	Comment												
26.1	3,837	4,148													
6.8	5,106	5,500	Description	Type			String								
6.8	5,106	5,500	Production Casing Cement	casing			Production, 13,607.7ftKB								
0.7	6,037	6,432	Comment												
2.2	7,233	7,629	Perforations												
2.2	7,237	7,632	Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Hole Diameter (in)	Phasing (°)	Curr... Status	Zone					
2.3	8,239	8,635													
2.3	8,242	8,638	Tubing Strings												
2.3	8,952	9,349	Tubing Description	Run Date			Set Depth (ftKB)								
2.3	8,954	9,351													
2.0	9,044	9,442	Tubing Components												
2.0	9,044	9,442	Item Description	Jts	Model	OD (in)	Wt (lbs/ft)	Grade	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)			
1.9	9,050	9,447													
1.6	9,113	9,510	Rods												
1.6	9,113	9,510	Rod Description	Run Date			String Length (ft)			Set Depth (ftKB)					
1.1	9,243	9,640													
1.1	9,247	9,644	Rod Components												
1.1	9,247	9,644	Item Description	Jts	Model	OD (in)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)					
3.4	10,207	10,605													
3.4	10,210	10,608	Stimulations & Treatments												
3.4	10,210	10,608	Frac Start Date	Top Perf (ft...)	Bottom Pe...	V (slurry) (...)	Total Prop...	AIR (b...	ATP (psi)	MTP (psi)	ISIP (psi)				
3.1	11,211	11,610													
3.1	11,215	11,614	Comment												
4.0	12,229	12,631													
4.0	12,233	12,634													
		13,515													
		13,517													
		13,605													
		13,607													
		13,608													
		13,616													
TD, 13,616															