



XTO - Wellbore Diagram

Well Name: New Elk 36-11CH

API/UWI	E/W Dist (ft)	E/W Ref	N/S Dist (ft)	N/S Ref	Location	Field Name	County	State/Province
05071083500000	1,825.0	FWL	2,063.0	FSL	T33S-R68W-S36	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	94842	7,952.00	7,952.00	0.00	7/10/2005	Original Hole - 364.0	2,250.0	Beam

Well Config: Vertical - Original Hole, 10/7/2013 1:15:21 PM

Schematic - Actual		Incl	ftKB (TVD)	ftKB (MD)	Zones						
					Zone	Top (ftKB)		Btm (ftKB)			
					Raton	403.0		765.0			
				0	Casing Strings						
				22	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftK...	
				172	Conductor	12 3/4				22.0	
				212	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftK...	
				213	Surface	8 5/8	24.00	J-55		212.6	
				213	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftK...	
				222	Production	5 1/2	15.50	J-55		2,215.5	
				364	Item Description	OD Nominal (in)	Wt (lbs/ft)	Grade	Top (ftKB)	Bottom (ftKB)	
				364	DV Tool	5 1/2			1,457.4	1,472.5	
				365	Cement						
				403	Description	Type		String			
				403	Surface Casing Cement	casing		Surface, 212.6ftKB			
				405	Comment						
				407							
				410	Description	Type		String			
				410	Production Casing Cement	casing		Production, 2,215.5ftKB			
				511	Comment						
				512							
				514	Description	Type		String			
				514	Cement Squeeze	squeeze		Production, 2,215.5ftKB			
				534	Comment						
				558							
				560	Perforations						
				571							
				572	Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Hole Diameter (in)	Phasing (°)	
				602	3/7/2006	403.0	405.0	4.0			
				603	2/18/2006	407.0	410.0	4.0			
				614	8/17/2005	511.0	512.0	4.0			
				615	2/18/2006	512.0	514.0	4.0			
				665	3/7/2006	558.5	560.0	3.0			
				666	3/7/2006	571.0	572.0	3.0			
				727	3/7/2006	602.0	603.0	3.0			
				729	3/7/2006	614.0	615.0	3.0			
				756	3/7/2006	665.0	666.0	3.0			
				757	2/18/2006	727.0	729.0	4.0			
				762	2/18/2006	762.0	765.0	4.0			
				765	8/12/2005	1,200.0	1,201.0	3.0			
				1,200	8/9/2005	1,710.0	1,711.0	3.0			
				1,201	Tubing Strings						
				1,230	Tubing Description	Run Date		Set Depth (ftKB)			
				1,457	Tubing Components						
				1,457	Item Description	Jts	Model	OD (in)	Wt (lbs/...)	Top Thread	
				1,464							
				1,472	Rods						
				1,550	Rod Description	Run Date		String Length (ft)		Set Depth (ftKB)	
				1,552	Rod Components						
				1,660	Item Description	Jts	Model	OD (in)	Grade	Len (ft)	
				1,668							
				1,710	Stimulations & Treatments						
				1,711	Frac Start Date	Top Perf (ft...	Bottom Pe...	V (slurry) (...)	Total Prop...	AIR (b...	
				2,172	3/7/2006	727	765			30	
				2,173	Comment						
				2,214	Frac Start Date	Top Perf (ft...	Bottom Pe...	V (slurry) (...)	Total Prop...	AIR (b...	
				2,216	3/7/2006	512	666			35	
				2,250	Comment						

PBTD, 364

5 1/2" CBP, 5 1/2, 364-365

Top (MD):403, Des:Raton

Cast Iron Bridge Plug, 5.100, 756-757

Cement Retainer, 5 1/2, 1,550-1,552

Cement Retainer, 5 1/2, 1,660-1,668

TD, 2,250

TD, 2,250



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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)
				3/7/2006	403	410			35	780.0		
Comment												
			0									
			22									
			172									
			212									
			213									
			222									
			364									
			365									
			403									
			405									
			407									
			410									
			511									
			512									
			514									
			534									
			558									
			560									
			571									
			572									
			602									
			603									
			614									
			615									
			665									
			666									
			727									
			729									
			756									
			757									
			762									
			765									
			1,200									
			1,201									
			1,230									
			1,457									
			1,457									
			1,464									
			1,472									
			1,550									
			1,552									
			1,660									
			1,668									
			1,710									
			1,711									
			2,172									
			2,173									
			2,214									
			2,216									
			2,250									