



# Proposed PA WBD - Vertical

Well Name: CECIL USX A01-19

Original Hole [Land]		Well Header				
MD (ftKB )	Vertical schematic (proposed)	Surface UWI 0512324567		Business Unit Rockies	Gov Auth Dist	Prod Tree Loc Land
		Orig. KB to Gnd (ft) 12.00	Original Spud Date 1/21/2007	Abandon Date	Well Sub-Status TA (AT SURFACE)	High... N
		Comment FRAC'D INTO 2/22/10, NOT SURE WHEN TURNED BACK ON - STATE SHOWS 4/1/13. MANUALLY CYCLED WELL! 8/2010 PR PER MERRICK-- **REFER TO ZONE STATUS FIELD AND CONFIRM W/INTERNAL PRODUCTION DATA!!, BUT ONCE AGAIN FRAC'D INTO 2/2013				
		Geologic Horizons				
		Formation Name FOX HILLS BASE EST				Final Top MD (ftKB)
		Formation Name FOX HILLS BASE EST				Final Top MD (ftKB) 492.0
		Formation Name CARLILE				Final Top MD (ftKB) 6,979.0
		Formation Name PARKMAN-BASE PROD				Final Top MD (ftKB) 4,082.4
		Formation Name NIO C MARL				Final Top MD (ftKB) 6,895.6
		Formation Name NIO A CHALK				Final Top MD (ftKB) 6,677.7
		Formation Name NIO D CHALK				Final Top MD (ftKB) 6,920.4
		Formation Name SHANNON-TOP PROD				Final Top MD (ftKB) 5,014.1
		Formation Name UPPER PIERRE AQUIFER-TOP PROD				Final Top MD (ftKB) 550.7
		Formation Name NIOBRARA-TOP PROD				Final Top MD (ftKB) 6,678.1
		Formation Name SUSSEX-BASE PROD				Final Top MD (ftKB) 4,609.8
		Formation Name NIO C CHALK				Final Top MD (ftKB) 6,854.8
		Formation Name SHANNON-BASE PROD				Final Top MD (ftKB) 5,130.5
		Formation Name NIO A MARL				Final Top MD (ftKB) 6,695.7
		Formation Name PARKMAN-TOP PROD				Final Top MD (ftKB) 3,642.3
		Formation Name A SAND-TOP PROD				Final Top MD (ftKB) 2,490.0
		Formation Name NIO B MARL				Final Top MD (ftKB) 6,814.9
		Formation Name UPPER PIERRE AQUIFER-BASE PROD				Final Top MD (ftKB) 1,609.7
		Formation Name A SAND-BASE PROD				Final Top MD (ftKB) 3,014.8
		Formation Name INTRA SHARON SPGS MK				Final Top MD (ftKB) 6,646.7
		Formation Name FOXHILLS-BASE PROD				Final Top MD (ftKB) 428.4
		Formation Name NIO B CHALK				Final Top MD (ftKB) 6,783.0
		Formation Name SHARON SPRING MKR				Final Top MD (ftKB) 6,645.6
		Formation Name NIO FT HAYS				Final Top MD (ftKB) 6,942.1
		Formation Name SUSSEX-TOP PROD				Final Top MD (ftKB) 4,230.1
		Formation Name CODELL				Final Top MD (ftKB) 6,965.0
		Formation Name PIERRE				Final Top MD (ftKB) 2,806.0
		Formation Name PARKMAN				Final Top MD (ftKB) 3,610.4
		Formation Name SUSSEX				Final Top MD (ftKB) 4,400.6
		Formation Name SHANNON				Final Top MD (ftKB) 5,000.4
		Formation Name TEEPEE BUTTES				Final Top MD (ftKB) 5,868.0
		Formation Name NIOBRARA				Final Top MD (ftKB) 6,662.0



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Well Name: CECIL USX A01-19

Original Hole [Land]		Geologic Horizons															
MD (ftKB )	Vertical schematic (proposed)	Formation Name NIOBRARA A								Final Top MD (ftKB) 6,678.0							
		Formation Name NIOBRARA B								Final Top MD (ftKB) 6,783.0							
		Formation Name NIOBRARA C								Final Top MD (ftKB) 6,855.0							
		Formation Name FORT HAYS								Final Top MD (ftKB) 6,942.0							
		Formation Name GREENHORN								Final Top MD (ftKB) 7,044.0							
Surface Location (Congressional)																	
Qtr 3 SW		Qtr 4 NW		Section 1		Twنشp 6		Twنش... N		Range 64		Rng E/... W		Latitude (°) 40.51891424 5		Longitude (°) -104.503640752	
Wellbore Sections																	
Section Des				Hole Size (in)				Top Depth (ftKB)				Btm Depth (ftKB)					
SURFACE				12 1/4				12.0				855.0					
PRODUCTION				7 7/8				855.0				7,159.0					
Casing Strings																	
Csg Des				Run Date		OD (in)		Wt/Len (lb/ft)		Grade		Top Depth (MD) (ftKB)		Set Depth (MD) (ftKB)			
Surface				1/22/2007		8 5/8		24.00		J-55		12		842			
Production Casing				1/27/2007		4 1/2		11.60		M-80		12		7137			
Cement																	
Des						Start Date			Top (ftKB)			Btm (ftKB)					
SURFACE CASING CEMENT						1/22/2007			12.0			842.0					
PRODUCTION CASING CEMENT						1/27/2007			1,659.0			7,137.0					
Stim/Frac Summary																	
Min Top Depth (ftKB) 6,967.0								Max Btm Depth (ftKB) 6,977.0									
Perforations																	
Linked Zone				Date 1/7/2025 00:00				Top Depth (ftKB) 1,042.0				Bottom Depth (ftKB) 1,042.0					
Linked Zone CODELL, Original Hole				Date 1/31/2007 00:00				Top Depth (ftKB) 6,967.0				Bottom Depth (ftKB) 6,977.0					
Other In Hole																	
Run Date		Des				Make		OD (in)		Top (ftKB)		Btm (ftKB)					
11/26/2013		Stage Tool						2		4,132.0		4,137.0					
Logs																	
Date		Type						Depth Top (MD) (ftKB)		Btm (ftKB)							
1/26/2007		COMPENSATED DENSITY						2,700		7,143.0							
1/26/2007		INDUCTION						842		7,143.0							
1/31/2007		CBL/CCL/GR						1,485		7,080.0							
12/21/2010		GYRO						0		4,440.0							
Wellbore Plug Back Total Depths																	
Date		Type				Com				PBTD (ftKB)							
1/27/2007		FLOAT SHOE								7,093							
2/22/2007		FILL								7,058							