



Proposed PA WBD - Vertical

Well Name: RHINO D27-27D

Original Hole [Land]		Well Header									
MD (ftKB)	Vertical schematic (proposed)	Surface UWI 0512333852		Business Unit Rockies		Gov Auth Dist		Prod Tree Loc Land			
		Orig. KB to Gnd (ft) 13.00	Original Spud Date 8/31/2011	Abandon Date		Well Sub-Status TA		High... N			
		Comment NO OPEN HOLE LOGS RUN ON THIS WELL									
		Geologic Horizons									
		Formation Name FOXHILLS-BASE PROD					Final Top MD (ftKB) 675.4				
		Formation Name UPPER PIERRE AQUIFER-TOP PROD					Final Top MD (ftKB) 812.5				
		Formation Name UPPER PIERRE AQUIFER-BASE PROD					Final Top MD (ftKB) 1,724.3				
		Formation Name A SAND-TOP PROD					Final Top MD (ftKB) 2,775.8				
		Formation Name PIERRE					Final Top MD (ftKB) 3,167.0				
		Formation Name A SAND-BASE PROD					Final Top MD (ftKB) 3,545.6				
		Formation Name PARKMAN					Final Top MD (ftKB) 4,204.0				
		Formation Name SUSSEX-TOP PROD					Final Top MD (ftKB) 4,736.3				
		Formation Name SUSSEX-BASE PROD					Final Top MD (ftKB) 5,134.5				
		Formation Name SHANNON-TOP PROD					Final Top MD (ftKB) 5,757.1				
		Formation Name SHANNON-BASE PROD					Final Top MD (ftKB) 5,975.1				
		Formation Name TEPEE BUTTES					Final Top MD (ftKB) 6,872.9				
		Formation Name INTRA SHARON SPGS MK					Final Top MD (ftKB) 7,549.2				
		Formation Name NIOBRARA-TOP PROD					Final Top MD (ftKB) 7,607.5				
		Formation Name NIO A CHALK					Final Top MD (ftKB) 7,607.6				
		Formation Name NIO A MARL					Final Top MD (ftKB) 7,608.7				
		Formation Name NIO B CHALK					Final Top MD (ftKB) 7,613.8				
		Formation Name NIO B MARL					Final Top MD (ftKB) 7,664.0				
		Formation Name NIO C CHALK					Final Top MD (ftKB) 7,734.0				
		Formation Name NIO C MARL					Final Top MD (ftKB) 7,767.0				
		Formation Name NIO D CHALK					Final Top MD (ftKB) 7,805.7				
		Formation Name NIO FT HAYS					Final Top MD (ftKB) 7,856.2				
		Formation Name CODELL					Final Top MD (ftKB) 7,879.8				
		Formation Name CARLILE					Final Top MD (ftKB) 7,895.3				
		Surface Location (Congressional)									
		Qtr 3 NE	Qtr 4 SW	Section 27	Twnshp 3	Twnsh... N	Range 64	Rng E/... W	Latitude (°) 40.19623304 5	Longitude (°) -104.537761431	
		Wellbore Sections									
		Section Des			Hole Size (in)		Top Depth (ftKB)		Btm Depth (ftKB)		
		SURFACE			12 1/4		13.0		834.0		
		PRODUCTION			7 7/8		834.0		8,034.0		
		Casing Strings									
		Csg Des			Run Date	OD (in)	Wt/Len (lb/ft)	Grade	Top Depth (MD) (ftKB)	Set Depth (MD) (ftKB)	
		Surface			9/1/2011	8 5/8	24.00	J-55	13	824.3	
		Production Casing			9/4/2011	4 1/2	11.60	M-80	13	8034.1	
		Cement									
		Des				Start Date		Top (ftKB)	Btm (ftKB)		
		Surface Casing Cement				9/1/2011		13.0	824.3		
		Production Casing Cement				9/5/2011		1,994.0	8,034.1		
		Stim/Frac Summary									
		Min Top Depth (ftKB)					Max Btm Depth (ftKB)				
		7,651.0					7,893.0				



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