



PA Wellbore For State - Vertical

Well Name: CLIFFORD L03-05

Original Hole [Land]		Well Header							
MD (ftKB)	Vertical schematic (actual)	Surface UWI 0512315288		Business Unit Rockies		Gov Auth Dist		Prod Tree Loc Land	
		Orig. KB to Gnd (ft) 10.00	Original Spud Date 10/7/1991	Abandon Date 4/4/2002	Well Sub-Status PA		High Pres N		
		Comment P&A 4/4/02, attempted csg rpr 10/91,150 sx cmt							
		Geologic Horizons							
		Formation Name FOX HILLS BASE EST						Final Top MD (ftKB)	
		Formation Name FOX HILLS BASE EST						Final Top MD (ftKB)	
		Formation Name FOX HILLS BASE EST						436.0	
		Formation Name SHANNON-BASE PROD						Final Top MD (ftKB) 5,038.9	
		Formation Name FOXHILLS-BASE PROD						Final Top MD (ftKB) 372.4	
		Formation Name A SAND-TOP PROD						Final Top MD (ftKB) 2,404.0	
		Formation Name NIOBRARA-TOP PROD						Final Top MD (ftKB) 7,003.7	
		Formation Name SHANNON-TOP PROD						Final Top MD (ftKB) 4,870.3	
		Formation Name SUSSEX-BASE PROD						Final Top MD (ftKB) 4,546.8	
		Formation Name UPPER PIERRE AQUIFER-TOP PROD						Final Top MD (ftKB) 511.4	
		Formation Name UPPER PIERRE AQUIFER-BASE PROD						Final Top MD (ftKB) 1,446.3	
		Formation Name SUSSEX-TOP PROD						Final Top MD (ftKB) 4,255.0	
		Formation Name A SAND-BASE PROD						Final Top MD (ftKB) 2,946.0	
		Formation Name CODELL						Final Top MD (ftKB) 7,321.0	
		Formation Name MOWRY						Final Top MD (ftKB) 7,686.0	
		Formation Name SUSSEX						Final Top MD (ftKB) 4,439.0	
		Formation Name NIOBRARA						Final Top MD (ftKB) 7,012.0	
		Formation Name NIOBRARA A						Final Top MD (ftKB) 7,031.0	
		Formation Name NIOBRARA B						Final Top MD (ftKB) 7,093.0	
		Formation Name NIOBRARA C						Final Top MD (ftKB) 7,180.0	
		Formation Name FORT HAYS						Final Top MD (ftKB) 7,295.0	
		Surface Location (Congressional)							
		Quarter 3 SW	Quarter 4 NW	Section 3	Township 3	Twnshp N Range 66	Rng E/W W	Latitude (°) 40.255073342	Longitude (°) -104.770657451
		Wellbore Sections							
		Section Des		Hole Size (in)		Top Depth (ftKB)		Btm Depth (ftKB)	
		SURFACE		12 1/4		10.0		454.0	
		PRODUCTION		7 7/8		454.0		7,494.0	
		Casing Strings							
		Csg Des		Run Date	OD (in)	Wt/Len (lb/ft)	Grade	Top Depth (MD) (ftKB)	Set Depth (MD) (ftKB)
		Surface		10/7/1991	8 5/8	24.00	?	10	439
		Production Casing		2/27/2002					6833
		Production Casing		10/14/1991	2 7/8	6.50	N-80	10	7461
		Cement							
		Des			Start Date		Top (ftKB)		Btm (ftKB)
		SURFACE CASING CEMENT			10/7/1991		10.0		439.0
		PRODUCTION CASING CEMENT			10/14/1991		6,570.0		7,461.0
		Casing Repair Cement			7/15/1994		2,700.0		2,920.0
		Dump Bail			4/2/2002		7,211.0		7,250.0
		Stub Plug			4/2/2002		1,301.0		1,401.0
		SC Shoe Plug			4/2/2002		268.0		489.0
		Surface Plug			4/3/2002		10.0		64.0
		Stim/Frac Summary							
		Min Top Depth (ftKB) 7,324.0				Max Btm Depth (ftKB) 7,334.0			



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