



P&A Wellbore For State

Well Name: KLEIN 21-12

Original Hole [Land]		Well Header									
MD (ftK B)	Vertical schematic (actual)	Surface UWI 0512317862		Business Unit Rockies		Gov Auth Dist		Prod Tree Loc Land			
		Orig. KB to Gnd (ft) 12.00		Original Spud Date 1/1/1994		Abandon Date		Well Sub-Status PR		High...	
		Comment WELLHEAD IS 3000#									
		Surface Location (Congressional)									
		Qtr 3 NW	Qtr 4 SW	Section 21	Twnshp 4	Twnsh...	Range 64	Rng E/...	Latitude (°) 40.29615138 3	Longitude (°) -104.562860904	
Wellbore Sections											
Section Des		Hole Size (in)		Top Depth (ftKB)		Btm Depth (ftKB)					
SURFACE		12 1/4		12.0		533.0					
PRODUCTION		7 7/8		533.0		7,090.0					
Casing Strings											
Csg Des		Run Date		OD (in)		Wt/Len (lb/ft)		Grade		Top Depth (MD) (ftKB)	
Surface		1/2/1994		8 5/8		23.00		M-50		12	
Production Casing		1/7/1994		3 1/2		7.70		B-70		12	
Cement											
Des		Start Date		Top (ftKB)		Btm (ftKB)					
Surface Casing Cement		1/2/1994		12.0		515.0					
Production Casing Cement		1/8/1994		3,918.0		4,842.0					
Production Casing Cement		1/8/1994		6,157.0		7,078.8					
Zone Statuses											
Zone Name		Status Date		Status		Fluid Type		Job		Prod Method	
NIOBRARA		2/18/2010		PR		Water		COMMINGLE ZONES, 3/17/2006 00:00		Flowing	
NIOBRARA		4/27/2017		PR							
CODELL		3/20/2006		PR							
CODELL		2/18/2010		PR		Water				Flowing	
Perforation Data											
Linked Zone		Explosive Type		Entered Shot Total		Top (ftKB)		Btm (ftKB)		Date	
NIOBRARA, Original Hole		A		84		6,642.0		6,656.0		1/20/2006	
NIOBRARA, Original Hole				2		6,651.0		6,653.0		1/10/1994	
NIOBRARA, Original Hole		B		108		6,716.0		6,734.0		1/20/2006	
NIOBRARA, Original Hole				4		6,726.0		6,730.0		1/10/1994	
CODELL, Original Hole				56		6,917.0		6,930.0		11/12/2002	
CODELL, Original Hole				9		6,919.0		6,928.0		1/10/1994	
Stim/Frac Stage											
Zone		Start Date		Top (ftKB)		Btm (ftKB)					
NIOBRARA, Original Hole		2/24/2006		6,642.0		6,734.0					
NIOBRARA-CODELL, Original Hole		1/11/1994		6,651.0		6,928.0					
CODELL, Original Hole		11/21/2002		6,917.0		6,930.0					
Other In Hole											
Run Date		Des		Make		OD (in)		Top (ftKB)		Btm (ftKB)	
Logs											
Date		Type		Depth Top (MD) (ftKB)		Btm (ftKB)					
1/7/1994		COMPENSATED DENSITY		4,220		7,085.0					
1/7/1994		INDUCTION		515		7,085.0					
1/10/1994		CEMENT BOND		3,748		7,032.0					
Wellbore Plug Back Total Depths											
Date		Type		Com		PBTD (ftKB)					
12/11/2002		FILL		TAGGED FILL		6,990					
3/18/2006		FILL		CLEAN OUT		7,010					