



Proposed PA WBD - Vertical

Well Name: Heldt 12-18

Original Hole [Land]		Well Header									
MD (ftKB)	Vertical schematic (proposed)	Surface UWI 0512319549				Business Unit Rockies		Gov Auth Dist Evans		Prod Tree Loc Land	
		Orig. KB to Gnd (ft) 9.00		Original Spud Date 2/26/1998		Abandon Date		Well Sub-Status TA		High...	
		Comment No Form 5A's submitted to state for 2003 Codell Refrac and 2006 Niobrara Recomplete. Discrepancy: Lyco Energy Corp Daily Drilling Summary has btm of prod csg @ 7313', Form 5 has 7151', used 7131'. Formation tops from '98 Form 5. JH 11/11/24									
		Geologic Horizons									
		Formation Name Niobrara								Final Top MD (ftKB) 6,704.0	
		Formation Name Fort Hays								Final Top MD (ftKB) 6,900.0	
		Formation Name Codell								Final Top MD (ftKB) 6,933.0	
		Surface Location (Congressional)									
		Qtr 3 SW	Qtr 4 NW	Section 18	Twonshp 6	Twonsh... N	Range 64	Rng E/... W	Latitude (°) 40.48769	Longitude (°) -104.59947	
		Wellbore Sections									
		Section Des			Hole Size (in)			Top Depth (ftKB)		Btm Depth (ftKB)	
		Surface			12 1/4			9.0		394.0	
		Production			7 7/8			394.0		7,151.0	
		Casing Strings									
		Csg Des		Run Date		OD (in)	Wt/Len (lb/ft)	Grade	Top Depth (MD) (ftKB)	Set Depth (MD) (ftKB)	
		Surface		2/26/1998		8 5/8	24.00		9	394	
		Production		3/2/1998		3 1/2	9.30		9	7131	
		Cement									
		Des					Start Date		Top (ftKB)		Btm (ftKB)
		Surface Casing Cement					2/26/1998		9.0		394.0
		Production Casing Cement					3/2/1998		3,224.0		7,131.0
		Stim/Frac Summary									
		Min Top Depth (ftKB)						Max Btm Depth (ftKB)			
		Min Top Depth (ftKB)						Max Btm Depth (ftKB)			
		Perforations									
		Linked Zone		Date 2/17/2025 00:00			Top Depth (ftKB) 1,890.0		Bottom Depth (ftKB) 1,891.0		
		Linked Zone		Date 2/17/2025 00:00			Top Depth (ftKB) 2,389.0		Bottom Depth (ftKB) 2,390.0		
		Linked Zone Niobrara_B, Original Hole		Date 12/1/2006 00:00			Top Depth (ftKB) 6,754.0		Bottom Depth (ftKB) 6,770.0		
		Linked Zone Codell, Original Hole		Date 4/13/1998 00:00			Top Depth (ftKB) 6,936.0		Bottom Depth (ftKB) 6,946.0		
		Linked Zone Codell, Original Hole		Date 2/21/2003 00:00			Top Depth (ftKB) 6,936.0		Bottom Depth (ftKB) 6,946.0		
		Other In Hole									
		Run Date		Des			Make		OD (in)	Top (ftKB)	Btm (ftKB)
		12/17/2024		Cast Iron Bridge Plug w/ 2 SX Cement					2.992	6,657.0	6,704.0
		Logs									
		Date		Type				Depth Top (MD) (ftKB)		Btm (ftKB)	
		3/1/1998		Compensated Density Neutron (CDN)				370		7,160.0	
		3/1/1998		Induction Electrolog (IEL)				370		7,160.0	
		3/9/1998		Cement Bond Log				3,160		7,062.0	
		1/30/2017		Gyro				100		6,800.0	
		Wellbore Plug Back Total Depths									
		Date		Type		Com				PBTD (ftKB)	
		3/2/1998								7,066	
		1/17/2007								7,060	