



P&A Wellbore For State

Well Name: HOWARD USX A09-15D

Land, Original Hole, 11/6/2023 7:58:49 AM		Well Header													
MD (ftKB)	Vertical schematic (actual)	Surface UWI 0512333522		Business Unit Rockies		Gov Auth Dist		Prod Tree Loc Land							
		Orig. KB to Gnd (ft) 14.00		Original Spud Date 7/16/2011		Abandon Date		Well Sub-Status PR		High... N					
		Comment													
		Surface Location (Congressional)													
		Qtr 3 SE	Qtr 4 SE	Section 9	Twnshp 6	Twnsh... N	Range 64	Rng E/... W	Latitude (°) 40.496957587	Longitude (°) -104.549981757					
		Wellbore Sections													
		Section Des			Hole Size (in)			Act Top (ftKB)		Act Btm (ftKB)					
		SURFACE			12 1/4			14.0		720.0					
		PRODUCTION			7 7/8			720.0		7,342.0					
		Casing Strings													
		Csg Des		Run Date		OD (in)		Wt/Len (lb/ft)		Grade		Top Depth (MD) (ftKB)		Set Depth (MD) (ftKB)	
		Surface		7/17/2011		8 5/8		24.00		J-55		14		712	
		Production Casing		7/20/2011		4 1/2		11.60		M-80		14		7338	
		Cement													
		Des						Start Date		Top (ftKB)		Btm (ftKB)			
		Surface Casing Cement						7/17/2011		14.0		712.0			
		Production Casing Cement						7/21/2011		1,912.0		7,338.0			
		Zone Statuses													
		Zone Name		Status Date		Status		Fluid Type		Job		Prod Method			
		CODELL		9/26/2011		PR				Drill and Complete, 7/15/2011 12:00					
		NIOBRARA		9/26/2011		PR				Drill and Complete, 7/15/2011 12:00					
		Perforation Data													
		Linked Zone			Explosive Type		Entered Shot Total		Top (ftKB)		Btm (ftKB)		Date		
		NIOBRARA, Original Hole			A		24		912.0		912.0		11/2/2023		
		NIOBRARA, Original Hole			B		24		6,960.0		6,972.0		9/23/2011		
		NIOBRARA, Original Hole					24		7,091.0		7,103.0		9/23/2011		
		CODELL, Original Hole					52		7,183.0		7,196.0		8/15/2011		
		Stimulation Intervals													
		Zone				Start Date				Top (ftKB)		Btm (ftKB)			
		NIOBRARA, Original Hole				9/23/2011				6,960.0		7,103.0			
		CODELL, Original Hole				9/23/2011				7,183.0		7,196.0			
		Other In Hole													
		Run Date		Des				Make		OD (in)		Top (ftKB)		Btm (ftKB)	
		Logs													
		Date		Type						Depth Top (MD) (ftKB)		Btm (ftKB)			
		7/20/2011		COMPENSATED DENSITY						2,790		7,321.0			
		7/20/2011		INDUCTION						712		7,341.0			
		8/2/2011		CBL/CCL/GR						1,620		7,292.0			
		Plug Back Total Depths													
		Date		Type		Com						PBTD (ftKB)			
		8/2/2011		FILL		DEPTH LOGGER ON CBL						7,293			
		10/5/2011		PLUG REMNANTS		DRILL CFTP AND CHASE TO 7299'						7,299			

Surface Casing Cement; 14-712; 7/17/2011

Perforated; 912-912; 11/2/2023; Perf

Production Casing Cement; 1912-7338; 7/21/2011; SPORADIC BOND 2256'-6486'

Perforated; 6960-6972; 9/23/2011; Perf

Perforated; 7091-7103; 9/23/2011; Perf

Perforated; 7183-7196; 8/15/2011; Perf

Production Casing Cement (plug); 7299.3-7338; 7/21/2011; SPORADIC BOND 2256'-6486'