



P&A Wellbore For State

Well Name: HOWARD USX A09-14D

Land, Original Hole, 11/6/2023 7:39:52 AM		Vertical schematic (actual)	
MD (ftKB)			
-184.6			
14.1			
14.6			
15.1			
336.8			
658.5		Surface Casing Cement; 14-704; 7/22/2011	
659.0			
659.4			
681.3			
703.1			
703.6			
704.1			
707.0			
710.0			
806.9			
903.9			
1,493.9			
2,084.0			
2,331.5			
2,579.1			
2,629.1			
2,679.1			
2,680.1			
2,681.1		Production Casing Cement; 2084-7662; 7/26/2011; SPORADIC CMT FROM 6963' TO TOC	
4,880.6			
7,080.1			
7,087.3			
7,094.5			
7,168.3			
7,242.1			
7,256.1			
7,270.0			
7,294.0			
7,317.9		Perforated; 7318-7330; 9/23/2011; Perf	
7,324.0			
7,330.1			
7,360.1			
7,390.1			
7,394.5			
7,398.9		Perforated; 7399-7411; 9/23/2011; Perf	
7,405.0			
7,411.1			
7,411.4			
7,411.7			
7,452.9			
7,494.1		Perforated; 7494-7506; 8/15/2011; Perf	
7,500.0			
7,505.9			
7,562.0			
7,618.1			
7,620.6			
7,623.0		Production Casing Cement (plug); 7623-7662; 7/26/2011; SPORADIC CMT FROM 6963' TO TOC	
7,623.4			
7,623.7			
7,624.2			
7,624.7			
7,642.9			
7,661.1			
7,661.6			
7,662.1			
7,664.5			
7,667.0			
7,858.7			

Well Header									
Surface UWI 0512333524			Business Unit Rockies		Gov Auth Dist		Prod Tree Loc Land		
Orig. KB to Gnd (ft) 14.00		Original Spud Date 7/21/2011		Abandon Date		Well Sub-Status PR		High...	
SE		SE		Section 9		Twonshp 6		Twonsh... N	
Range 64		Rng E/...		Latitude (°) 40.49695993		Longitude (°) -104.550060297			
Comment NO OPEN HOLE LOGS RUN ON THIS WELL									
Surface Location (Congressional)									
Wellbore Sections									
Section Des			Hole Size (in)		Act Top (ftKB)		Act Btm (ftKB)		
SURFACE			12 1/4		14.0		710.0		
PRODUCTION			7 7/8		710.0		7,667.0		
Casing Strings									
Csg Des		Run Date		OD (in)	Wt/Len (lb/ft)	Grade	Top Depth (MD) (ftKB)	Set Depth (MD) (ftKB)	
Surface		7/22/2011		8 5/8	24.00	J-55	14	704	
Production Casing		7/25/2011		4 1/2	11.60	M-80	14	7662	
Cement									
Des				Start Date		Top (ftKB)		Btm (ftKB)	
Surface Casing Cement				7/22/2011		14.0		704.0	
Production Casing Cement				7/26/2011		2,084.0		7,662.0	
Zone Statuses									
Zone Name		Status Date	Status	Fluid Type	Job			Prod Method	
CODELL		9/26/2011	PR		DRILLING/COMPLETION - ORIGINAL, 7/21/2011...				
NIOBRARA		9/26/2011	PR		DRILLING/COMPLETION - ORIGINAL, 7/21/2011...				
Perforation Data									
Linked Zone			Explosive Type	Entered Shot Total	Top (ftKB)		Btm (ftKB)		Date
NIOBRARA, Original Hole			B	24	7,318.0		7,330.0		9/23/2011
NIOBRARA, Original Hole			C	24	7,399.0		7,411.0		9/23/2011
CODELL, Original Hole				48	7,494.0		7,506.0		8/15/2011
Stimulation Intervals									
Zone				Start Date		Top (ftKB)		Btm (ftKB)	
NIOBRARA, Original Hole				9/23/2011		7,318.0		7,411.0	
CODELL, Original Hole				9/23/2011		7,494.0		7,506.0	
Other In Hole									
Run Date		Des			Make		OD (in)	Top (ftKB)	Btm (ftKB)
Logs									
Date		Type					Depth Top (MD) (ftKB)		Btm (ftKB)
8/2/2011		CBL/CCL/GR					545		7,605.0
Plug Back Total Depths									
Date		Type		Com				PBTD (ftKB)	
8/2/2011		CEMENT PLUG		DEPTH LOGGER ON CBL				7,606	
10/12/2011		PLUG REMNANTS		PLUG REMNANTS				7,618	