



P&A Wellbore For State

Well Name: HOWE USX AB33-06

Original Hole [Land]		Well Header								
MD (ftK B)	Vertical schematic (actual)	Surface UWI 0512324543		Business Unit Rockies		Gov Auth Dist		Prod Tree Loc Land		
		Orig. KB to Gnd (ft) 12.00		Original Spud Date 1/20/2007		Abandon Date		Well Sub-Status TA		
		Comment DRILLER'S TD 7351', LOGGER'S TD 7335'								
		PUSH FP TO 7335								
		Surface Location (Congressional)								
		Qtr 3 SE	Qtr 4 NW	Section 33	Twنش... 7	Twنش... N	Range 64	Rng E/... W	Latitude (°) 40.53185077 3	Longitude (°) -104.557236933
Wellbore Sections										
Section Des		Hole Size (in)		Top Depth (ftKB)		Btm Depth (ftKB)				
SURFACE		12 1/4		12.0		711.0				
PRODUCTION		7 7/8		711.0		7,351.0				
Casing Strings										
Csg Des		Run Date		OD (in)		Wt/Len (lb/ft)		Grade		Top Depth (MD) (ftKB)
Surface		1/20/2007		8 5/8		24.00		J-55		12
Production Casing		1/24/2007		4 1/2		11.60		M-80		12
Cement										
Des		Start Date		Top (ftKB)		Btm (ftKB)				
Surface Casing Cement		1/20/2007		12.0		675.0				
Production Casing Cement		1/25/2007		1,950.0		7,325.7				
Balanced Plug (Tubing and Annulus)		11/11/2022		6,338.0		6,851.0				
Zone Statuses										
Zone Name		Status Date		Status		Fluid Type		Job		Prod Method
NIOBRARA		5/7/2010		PR		Water		Abandon Well - Temporary, 11/8/2022 12:00		Flowing
NIOBRARA		11/11/2022		Closed		Water				
CODELL		5/9/2017		SI		Water		Abandon Well - Temporary, 11/8/2022 12:00		
CODELL		11/11/2022		Closed		Water				
Perforation Data										
Linked Zone		Explosive Type		Entered Shot Total		Top (ftKB)		Btm (ftKB)		Date
NIOBRARA, Original Hole		A		60		6,856.0		6,866.0		2/15/2007
NIOBRARA, Original Hole		B		96		6,986.0		7,002.0		2/15/2007
CODELL, Original Hole				52		7,157.0		7,170.0		1/30/2007
Stim/Frac Stage										
Zone		Start Date		Top (ftKB)		Btm (ftKB)				
NIOBRARA, Original Hole		2/15/2007		6,856.0		7,002.0				
CODELL, Original Hole		2/15/2007		7,157.0		7,170.0				
Other In Hole										
Run Date		Des		Make		OD (in)		Top (ftKB)		Btm (ftKB)
Logs										
Date		Type				Depth Top (MD) (ftKB)		Btm (ftKB)		
1/24/2007		COMPENSATED DENSITY				2,800		7,315.0		
1/24/2007		INDUCTION				675		7,335.0		
1/29/2007		CBL/CCL/GR				1,789		7,279.0		
Wellbore Plug Back Total Depths										
Date		Type		Com				PBTD (ftKB)		
1/29/2007		FILL		DEPTH LOGGER ON CBL				7,281		
2/22/2007		PLUG REMNANTS		DRILL CIPF AND CLEAN OUT TO 7335'				7,335		