



# P&A Wellbore For State

Well Name: HOWELL 32-23

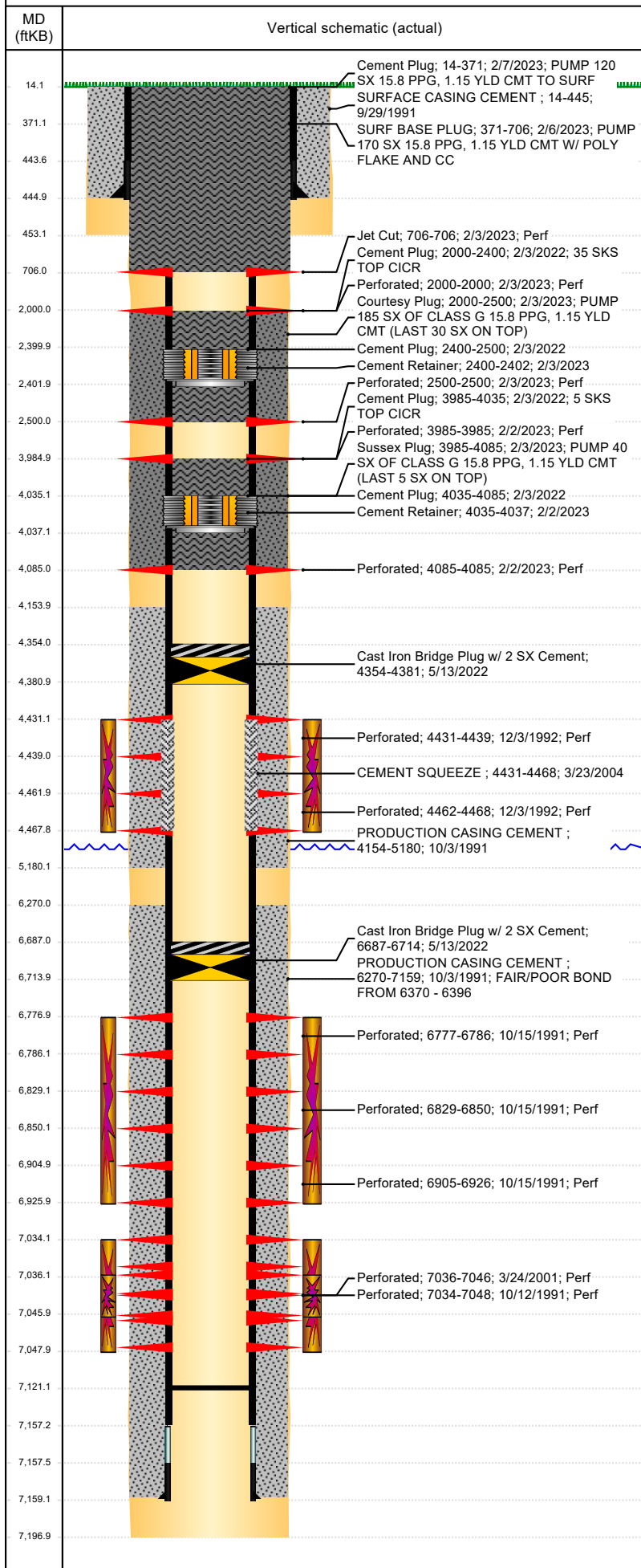
Land, Original Hole, 5/13/2023 8:22:30 AM		Well Header								
MD (ftKB)	Vertical schematic (actual)	Surface UWI 0512315226		Business Unit Rockies		Gov Auth Dist		Prod Tree Loc Land		
		Orig. KB to Gnd (ft) 14.00	Original Spud Date 9/28/1991	Abandon Date 4/13/2023		Well Sub-Status PA		High Pre N		
		Comment DISCREPANCY: TD DATE DRL RPT 10/3/91, ST RPT 10/4/91, USED DRL RPT. COMP DATE - COMP RPT 10/17/91, ST RPT 10/26/91. USED COMP RPT. SURF CSG DRL RPT 445', ST RPT 432', USED DRL RPT.								
		Surface Location (Congressional)								
		Quarter 3 SW	Quarter 4 NW	Section 32	Township 4	Twnshp N N	Range 64	Rng E/W W	Latitude (°) 40° 16' 15.132" N	Longitude (°) 104° 34' 51.204" W
		Wellbore Sections								
		Section Des		Hole Size (in)		Act Top (ftKB)		Act Btm (ftKB)		
		SURFACE		12 1/4		14.0		453.0		
		PRODUCTION		7 7/8		453.0		7,197.0		
		Casing Strings								
		Csg Des		Run Date	OD (in)	Wt/Len (lb/ft)	Grade	Top Depth (MD) (ftKB)	Set Depth (MD) (ftKB)	
		Surface		9/29/1991	8 5/8	24.00		14	445	
		Production Casing		10/3/1991	4 1/2	12.60	N-80	14	7159	
		Cement								
		Des			Start Date	Top (ftKB)		Btm (ftKB)		
		SURFACE CASING CEMENT			9/29/1991	14.0		445.0		
		PRODUCTION CASING CEMENT			10/3/1991	4,154.0		5,180.0		
		PRODUCTION CASING CEMENT			10/3/1991	6,270.0		7,159.0		
		CEMENT SQUEEZE			3/23/2004	4,431.0		4,468.0		
		Cement Plug			2/3/2022	2,000.0		2,400.0		
		Cement Plug			2/3/2022	2,400.0		2,500.0		
		Cement Plug			2/3/2022	3,985.0		4,035.0		
		Cement Plug			2/3/2022	4,035.0		4,085.0		
		Courtesy Plug			2/3/2023	2,000.0		2,500.0		
		Sussex Plug			2/3/2023	3,985.0		4,085.0		
		SURF BASE PLUG			2/6/2023	371.0		706.0		
		Cement Plug			2/7/2023	14.0		371.0		
		Zone Statuses								
		Zone Name	Status Date	Status	Fluid Type	Job		Prod Method		
		CODELL	5/13/2022	P&A		Abandon Well - Temporary, 5/12/2022 06:00				
		CODELL	2/7/2023	Closed		Abandon Well - Permanent, 2/2/2023 06:00				
		SUSSEX	5/13/2022	P&A		Abandon Well - Temporary, 5/12/2022 06:00				
		SUSSEX	2/7/2023	Closed		Abandon Well - Permanent, 2/2/2023 06:00				
		NIOBRARA	5/13/2022	P&A		Abandon Well - Temporary, 5/12/2022 06:00				
		NIOBRARA	2/7/2023	Closed		Abandon Well - Permanent, 2/2/2023 06:00				
		Perforation Data								
		Linked Zone		Explosive Type	Entered Shot Total	Top (ftKB)		Btm (ftKB)		Date
				A	16	706.0		706.0		2/3/2023
						2,000.0		2,000.0		2/3/2023
						2,500.0		2,500.0		2/3/2023
						3,985.0		3,985.0		2/2/2023
						4,085.0		4,085.0		2/2/2023
						4,431.0		4,439.0		12/3/1992
						4,462.0		4,468.0		12/3/1992
						6,777.0		6,786.0		10/15/1991
						6,829.0		6,850.0		10/15/1991
						6,905.0		6,926.0		10/15/1991
		CODELL, Original Hole		43	7,034.0	7,048.0		10/12/1991		
		CODELL, Original Hole		40	7,036.0	7,046.0		3/24/2001		
		Stimulation Intervals								
		Zone			Start Date		Top (ftKB)		Btm (ftKB)	
		SUSSEX, Original Hole			12/4/1992		4,431.0		4,468.0	
		NIOBRARA, Original Hole			10/17/1991		6,777.0		6,926.0	
		CODELL, Original Hole			10/17/1991		7,034.0		7,048.0	
		CODELL, Original Hole			3/27/2001		7,036.0		7,046.0	



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Other In Hole					
Run Date	Des	Make	OD (in)	Top (ftKB)	Btm (ftKB)
5/13/2022	Cast Iron Bridge Plug w/ 2 SX Cement		3.99	4,354.0	4,381.0
5/13/2022	Cast Iron Bridge Plug w/ 2 SX Cement		3.99	6,687.0	6,714.0
2/2/2023	Cement Retainer		3.99	4,035.0	4,037.0
2/3/2023	Cement Retainer		3.99	2,400.0	2,402.0

Logs			
Date	Type	Depth Top (MD) (ftKB)	Btm (ftKB)
10/3/1991	COMPENSATED DENSITY	4,090	7,158.0
10/3/1991	INDUCTION	445	7,178.0
10/8/1991	CEMENT BOND	4,000	7,086.0

Plug Back Total Depths			
Date	Type	Com	PBTD (ftKB)
12/2/1992	FILL	C/O	7,136
11/14/2006	FILL	C/O & LAND TBG	7,121