



# Proposed PA WBD - Vertical

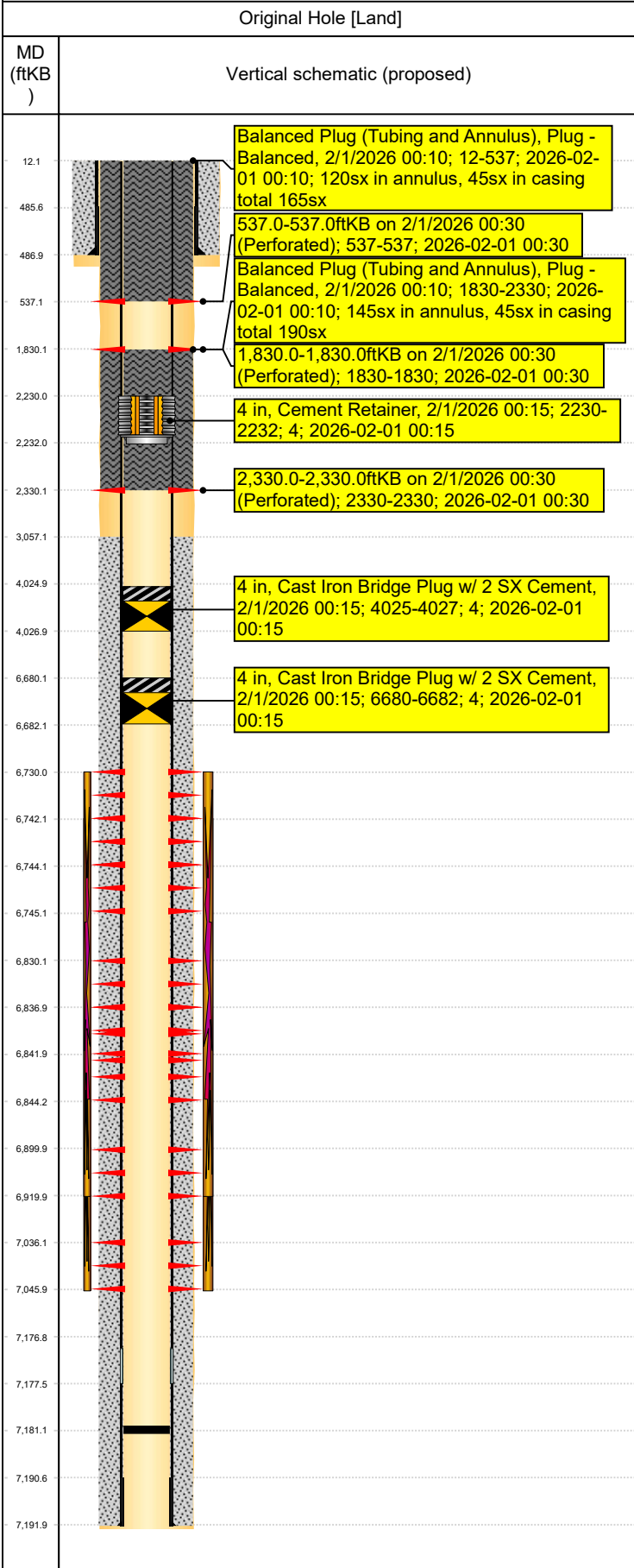
Well Name: BOHOA 1-14

Original Hole [Land]		Well Header								
MD (ftKB )	Vertical schematic (proposed)	Surface UWI	0512321396	Business Unit	Rockies	Gov Auth Dist		Prod Tree Loc	Land	
		Orig. KB to Gnd (ft)	12.00	Original Spud Date	4/3/2003	Abandon Date		Well Sub-Status	PR	High...
		Comment								
		LIMITED ENTRY. STATE SHOWS SI SINCE NOV 2016. NO RECENT TAG GIVEN.								
		<b>Geologic Horizons</b>								
		Formation Name								Final Top MD (ftKB)
		FT HAYS								
		Formation Name								Final Top MD (ftKB)
		CODELL								7,034.0
		Formation Name								Final Top MD (ftKB)
NIOBRARA								6,730.0		
Formation Name								Final Top MD (ftKB)		
SUSSEX										
Formation Name								Final Top MD (ftKB)		
FOX HILLS BASE EST								372.0		
Formation Name								Final Top MD (ftKB)		
NIOBRARA A								6,746.0		
Formation Name								Final Top MD (ftKB)		
NIOBRARA C								6,930.0		
Formation Name								Final Top MD (ftKB)		
FORT HAYS								7,010.0		
Formation Name								Final Top MD (ftKB)		
GREENHORN								7,095.0		
Formation Name								Final Top MD (ftKB)		
NIOBRARA B								6,846.0		
Formation Name								Final Top MD (ftKB)		
A SAND-TOP PROD								2,350.3		
Formation Name								Final Top MD (ftKB)		
NIO A MARL								6,745.8		
Formation Name								Final Top MD (ftKB)		
NIO C CHALK								6,898.2		
Formation Name								Final Top MD (ftKB)		
CARLILE								7,051.8		
Formation Name								Final Top MD (ftKB)		
NIO B CHALK								6,812.8		
Formation Name								Final Top MD (ftKB)		
FOXHILLS-BASE PROD								350.3		
Formation Name								Final Top MD (ftKB)		
NIO C MARL								6,930.5		
Formation Name								Final Top MD (ftKB)		
SUSSEX-TOP PROD								4,075.2		
Formation Name								Final Top MD (ftKB)		
NIO D CHALK								6,977.1		
Formation Name								Final Top MD (ftKB)		
SUSSEX-BASE PROD								4,419.3		
Formation Name								Final Top MD (ftKB)		
NIO B MARL								6,846.1		
Formation Name								Final Top MD (ftKB)		
NIO FT HAYS								7,010.0		
Formation Name								Final Top MD (ftKB)		
UPPER PIERRE AQUIFER-BASE PROD								1,424.9		
Formation Name								Final Top MD (ftKB)		
SHANNON-BASE PROD								5,047.4		
Formation Name								Final Top MD (ftKB)		
SHANNON-TOP PROD								4,886.5		
Formation Name								Final Top MD (ftKB)		
UPPER PIERRE AQUIFER-TOP PROD								502.9		
Formation Name								Final Top MD (ftKB)		
NIOBRARA-TOP PROD								6,771.9		
Formation Name								Final Top MD (ftKB)		
A SAND-BASE PROD								2,894.4		
Formation Name								Final Top MD (ftKB)		
NIO A CHALK								6,730.0		
<b>Surface Location (Congressional)</b>										
Qtr 3	Qtr 4	Section	Twnshp	Twnsh...	Range	Rng E/...	Latitude (°)	Longitude (°)		
NE	NE	14	4	N	65	W	40.3167097	-104.6255031		
<b>Wellbore Sections</b>										
Section Des		Hole Size (in)		Top Depth (ftKB)		Btm Depth (ftKB)				
SURFACE		12 1/4		12.0		500.0				
PRODUCTION		7 7/8		500.0		7,221.0				
<b>Casing Strings</b>										
Csg Des		Run Date	OD (in)	Wt/Len (lb/ft)	Grade	Top Depth (MD) (ftKB)	Set Depth (MD) (ftKB)			
Surface		4/3/2003	8 5/8	24.00		12	487			



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Well Name: BOHOA 1-14



Casing Strings		Csg Des	Run Date	OD (in)	Wt/Len (lb/ft)	Grade	Top Depth (MD) (ftKB)	Set Depth (MD) (ftKB)
Production Casing			4/7/2003	4 1/2	11.60	I-80	12	7192
Cement		Des	Start Date	Top (ftKB)	Btm (ftKB)			
SURFACE CASING CEMENT			4/3/2003	12.0	487.0			
PRODUCTION CASING CEMENT			4/7/2003	3,057.0	7,192.0			
Stim/Frac Summary		Min Top Depth (ftKB)		Max Btm Depth (ftKB)				
		6,742.0		7,046.0				
		Min Top Depth (ftKB)		Max Btm Depth (ftKB)				
		6,730.0		6,920.0				
Perforations				Linked Zone	Date	Top Depth (ftKB)	Bottom Depth (ftKB)	
				NIOBRARA, Original Hole	2/1/2026 00:30	537.0	537.0	
				Linked Zone	Date	Top Depth (ftKB)	Bottom Depth (ftKB)	
				NIOBRARA, Original Hole	2/1/2026 00:30	1,830.0	1,830.0	
				Linked Zone	Date	Top Depth (ftKB)	Bottom Depth (ftKB)	
				NIOBRARA, Original Hole	2/1/2026 00:30	2,330.0	2,330.0	
				Linked Zone	Date	Top Depth (ftKB)	Bottom Depth (ftKB)	
				NIOBRARA, Original Hole	10/23/2007 00:00	6,730.0	6,744.0	
				Linked Zone	Date	Top Depth (ftKB)	Bottom Depth (ftKB)	
				NIOBRARA, Original Hole	4/24/2003 00:00	6,742.0	6,745.0	
				Linked Zone	Date	Top Depth (ftKB)	Bottom Depth (ftKB)	
				NIOBRARA, Original Hole	10/23/2007 00:00	6,830.0	6,844.0	
				Linked Zone	Date	Top Depth (ftKB)	Bottom Depth (ftKB)	
				NIOBRARA, Original Hole	4/24/2003 00:00	6,837.0	6,842.0	
				Linked Zone	Date	Top Depth (ftKB)	Bottom Depth (ftKB)	
				NIOBRARA, Original Hole	10/23/2007 00:00	6,900.0	6,920.0	
				Linked Zone	Date	Top Depth (ftKB)	Bottom Depth (ftKB)	
				CODELL, Original Hole	4/17/2003 00:00	7,036.0	7,046.0	
Other In Hole		Run Date	Des	Make	OD (in)	Top (ftKB)	Btm (ftKB)	
Logs				Date	Type	Depth Top (MD) (ftKB)	Btm (ftKB)	
				4/7/2003	COMPENSATED DENSITY	4,200	7,171.0	
				4/7/2003	INDUCTION	488	7,191.0	
				4/17/2003	CEMENT BOND	2,912	7,175.0	
Wellbore Plug Back Total Depths				Date	Type	Com	PBTD (ftKB)	
				4/7/2003	FLOAT COLLAR	TOP OF FLOAT COLLAR	7,178	
				4/17/2003	FILL	DEPTH LOGGER ON CBL	7,181	