



# P&A Wellbore For State

Well Name: Hen 07N

Original Hole [Land]		Well Header										
MD (ftK B)	Vertical schematic (actual)	Surface UWI 0512351796			Business Unit Rockies			Gov Auth Dist Evans		Prod Tree Loc Land		
		Orig. KB to Gnd (ft) 28.50		Original Spud Date 8/22/2023		Abandon Date		Well Sub-Status PR			High... N	
		Comment										
		Surface Location (Congressional)										
		Qtr 3 SW	Qtr 4 NE	Section	Twnshp	Twnsh...	Range	Rng E/...	Latitude (°) 40.328169		Longitude (°) -104.572344	
Wellbore Sections												
Section Des			Hole Size (in)			Top Depth (ftKB)			Btm Depth (ftKB)			
Surface			13 1/2			28.5			1,714.5			
Production			8 1/2			1,714.5			14,756.0			
Casing Strings												
Csg Des			Run Date		OD (in)	Wt/Len (lb/ft)	Grade	Top Depth (MD) (ftKB)	Set Depth (MD) (ftKB)			
Surface			6/16/2023		9 5/8	36.00	J-55	28.5	1704.1			
Production			8/25/2023		5 1/2	20.00	P-110	28.5	14747			
Cement												
Des					Start Date		Top (ftKB)		Btm (ftKB)			
Surface					6/16/2023		28.5		1,704.1			
Production Casing Cement					8/26/2023		2,054.0		14,747.0			
Zone Statuses												
Zone Name		Status Date	Status	Fluid Type		Job			Prod Method			
Perforation Data												
Linked Zone			Explosive Type	Entered Shot Total	Top (ftKB)		Btm (ftKB)		Date			
Niobrara, Original Hole			RDX	4	7,700.0		7,701.0		5/11/2024			
Niobrara, Original Hole			RDX	4	7,744.0		7,745.0		5/11/2024			
Niobrara, Original Hole			RDX	4	7,788.0		7,789.0		5/11/2024			
Niobrara, Original Hole			RDX	4	7,832.0		7,833.0		5/11/2024			
Niobrara, Original Hole			RDX	5	7,876.0		7,877.0		5/11/2024			
Niobrara, Original Hole			RDX	5	7,920.0		7,921.0		5/11/2024			
Niobrara, Original Hole			RDX	5	7,963.0		7,964.0		5/11/2024			
Niobrara, Original Hole			RDX	5	8,007.0		8,008.0		5/11/2024			
Niobrara, Original Hole			RDX	4	8,051.0		8,052.0		5/11/2024			
Niobrara, Original Hole			RDX	4	8,095.0		8,096.0		5/11/2024			
Niobrara, Original Hole			RDX	4	8,138.0		8,139.0		5/11/2024			
Niobrara, Original Hole			RDX	4	8,182.0		8,183.0		5/11/2024			
Niobrara, Original Hole			RDX	5	8,226.0		8,227.0		5/11/2024			
Niobrara, Original Hole			RDX	5	8,270.0		8,271.0		5/11/2024			
Niobrara, Original Hole			RDX	5	8,313.0		8,314.0		5/11/2024			
Niobrara, Original Hole			RDX	5	8,357.0		8,358.0		5/11/2024			
Niobrara, Original Hole			RDX	4	8,401.0		8,402.0		5/11/2024			
Niobrara, Original Hole			RDX	4	8,445.0		8,446.0		5/11/2024			
Niobrara, Original Hole			RDX	4	8,489.0		8,490.0		5/11/2024			
Niobrara, Original Hole			RDX	4	8,532.0		8,533.0		5/11/2024			
Niobrara, Original Hole			RDX	5	8,576.0		8,577.0		5/11/2024			
Niobrara, Original Hole			RDX	5	8,620.0		8,621.0		5/11/2024			
Niobrara, Original Hole			RDX	5	8,664.0		8,665.0		5/11/2024			
Niobrara, Original Hole			RDX	5	8,708.0		8,709.0		5/11/2024			
Niobrara, Original Hole			RDX	4	8,751.0		8,752.0		5/10/2024			
Niobrara, Original Hole			RDX	4	8,795.0		8,796.0		5/10/2024			
Niobrara, Original Hole			RDX	4	8,839.0		8,840.0		5/10/2024			
Niobrara, Original Hole			RDX	4	8,883.0		8,884.0		5/10/2024			
Niobrara, Original Hole			RDX	5	8,927.0		8,928.0		5/10/2024			
Niobrara, Original Hole			RDX	5	8,971.0		8,972.0		5/10/2024			
Niobrara, Original Hole			RDX	5	9,015.0		9,016.0		5/10/2024			
Niobrara, Original Hole			RDX	5	9,059.0		9,060.0		5/10/2024			
Niobrara, Original Hole			RDX	4	9,104.0		9,105.0		5/10/2024			
Niobrara, Original Hole			RDX	4	9,147.0		9,148.0		5/10/2024			
Niobrara, Original Hole			RDX	4	9,190.0		9,191.0		5/10/2024			
Niobrara, Original Hole			RDX	4	9,235.0		9,236.0		5/10/2024			
Niobrara, Original Hole			RDX	5	9,279.0		9,280.0		5/10/2024			
Niobrara, Original Hole			RDX	5	9,323.0		9,324.0		5/10/2024			



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Original Hole [Land]		Perforation Data					
MD (ftK B)	Vertical schematic (actual)	Linked Zone	Explosive Type	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
6,250.3		Niobrara, Original Hole	RDX	5	9,366.0	9,367.0	5/10/2024
7,701.1		Niobrara, Original Hole	RDX	5	9,404.0	9,405.0	5/10/2024
8,006.9		Niobrara, Original Hole	RDX	4	9,452.0	9,453.0	5/9/2024
8,271.0		Niobrara, Original Hole	RDX	4	9,496.0	9,497.0	5/9/2024
8,533.1		Niobrara, Original Hole	RDX	4	9,540.0	9,541.0	5/9/2024
8,795.9		Niobrara, Original Hole	RDX	4	9,584.0	9,585.0	5/9/2024
9,101.7		Niobrara, Original Hole	RDX	5	9,627.0	9,628.0	5/9/2024
9,366.1		Niobrara, Original Hole	RDX	5	9,671.0	9,672.0	5/9/2024
9,627.0		Niobrara, Original Hole	RDX	5	9,715.0	9,716.0	5/9/2024
9,892.1		Niobrara, Original Hole	RDX	5	9,760.0	9,761.0	5/9/2024
10,152.9		Niobrara, Original Hole	RDX	4	9,805.0	9,806.0	5/9/2024
10,417.0		Niobrara, Original Hole	RDX	4	9,848.0	9,849.0	5/9/2024
10,678.1		Niobrara, Original Hole	RDX	4	9,892.0	9,893.0	5/9/2024
10,897.0		Niobrara, Original Hole	RDX	4	9,934.0	9,935.0	5/9/2024
11,161.1		Niobrara, Original Hole	RDX	5	9,978.0	9,979.0	5/9/2024
11,466.9		Niobrara, Original Hole	RDX	5	10,022.0	10,023.0	5/9/2024
11,687.0		Niobrara, Original Hole	RDX	5	10,065.0	10,066.0	5/9/2024
11,992.1		Niobrara, Original Hole	RDX	5	10,109.0	10,110.0	5/9/2024
12,254.9		Niobrara, Original Hole	RDX	4	10,153.0	10,154.0	5/8/2024
12,519.0		Niobrara, Original Hole	RDX	4	10,197.0	10,198.0	5/8/2024
12,773.9		Niobrara, Original Hole	RDX	4	10,240.0	10,241.0	5/8/2024
13,044.0		Niobrara, Original Hole	RDX	4	10,284.0	10,285.0	5/8/2024
13,307.1		Niobrara, Original Hole	RDX	5	10,328.0	10,329.0	5/8/2024
13,612.9		Niobrara, Original Hole	RDX	5	10,372.0	10,373.0	5/8/2024
13,875.0		Niobrara, Original Hole	RDX	5	10,416.0	10,417.0	5/8/2024
14,139.1		Niobrara, Original Hole	RDX	5	10,459.0	10,460.0	5/8/2024
14,397.0		Niobrara, Original Hole	RDX	4	10,503.0	10,504.0	5/8/2024
14,707.7		Niobrara, Original Hole	RDX	4	10,547.0	10,548.0	5/8/2024
		Niobrara, Original Hole	RDX	4	10,591.0	10,592.0	5/8/2024
		Niobrara, Original Hole	RDX	4	10,635.0	10,636.0	5/8/2024
		Niobrara, Original Hole	RDX	5	10,678.0	10,679.0	5/8/2024
		Niobrara, Original Hole	RDX	5	10,722.0	10,723.0	5/8/2024
		Niobrara, Original Hole	RDX	5	10,766.0	10,767.0	5/8/2024
		Niobrara, Original Hole	RDX	5	10,814.0	10,815.0	5/8/2024
		Niobrara, Original Hole	RDX	4	10,854.0	10,855.0	5/7/2024
		Niobrara, Original Hole	RDX	4	10,897.0	10,898.0	5/7/2024
		Niobrara, Original Hole	RDX	4	10,941.0	10,942.0	5/7/2024
		Niobrara, Original Hole	RDX	4	10,985.0	10,986.0	5/7/2024
		Niobrara, Original Hole	RDX	5	11,029.0	11,030.0	5/7/2024
		Niobrara, Original Hole	RDX	5	11,073.0	11,074.0	5/7/2024
		Niobrara, Original Hole	RDX	5	11,116.0	11,117.0	5/7/2024
		Niobrara, Original Hole	RDX	5	11,160.0	11,161.0	5/7/2024
		Niobrara, Original Hole	RDX	4	11,204.0	11,205.0	5/7/2024
		Niobrara, Original Hole	RDX	4	11,248.0	11,249.0	5/7/2024
		Niobrara, Original Hole	RDX	4	11,292.0	11,293.0	5/7/2024
		Niobrara, Original Hole	RDX	4	11,335.0	11,336.0	5/7/2024
		Niobrara, Original Hole	RDX	5	11,379.0	11,380.0	5/7/2024
		Niobrara, Original Hole	RDX	5	11,423.0	11,424.0	5/7/2024
		Niobrara, Original Hole	RDX	5	11,467.0	11,468.0	5/7/2024
		Niobrara, Original Hole	RDX	5	11,511.0	11,512.0	5/7/2024
		Niobrara, Original Hole	RDX	4	11,554.0	11,555.0	5/7/2024
		Niobrara, Original Hole	RDX	4	11,598.0	11,599.0	5/7/2024
		Niobrara, Original Hole	RDX	4	11,642.0	11,643.0	5/7/2024
		Niobrara, Original Hole	RDX	4	11,686.0	11,687.0	5/7/2024
		Niobrara, Original Hole	RDX	5	11,730.0	11,731.0	5/7/2024
		Niobrara, Original Hole	RDX	5	11,773.0	11,774.0	5/7/2024
		Niobrara, Original Hole	RDX	5	11,817.0	11,818.0	5/7/2024
		Niobrara, Original Hole	RDX	5	11,861.0	11,862.0	5/7/2024
		Niobrara, Original Hole	RDX	4	11,905.0	11,906.0	5/6/2024
		Niobrara, Original Hole	RDX	4	11,949.0	11,950.0	5/6/2024



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MD (ftK B)	Vertical schematic (actual)	Linked Zone	Explosive Type	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
6,250.3		Niobrara, Original Hole	RDX	4	11,992.0	11,993.0	5/6/2024
7,701.1		Niobrara, Original Hole	RDX	4	12,036.0	12,037.0	5/6/2024
8,006.9		Niobrara, Original Hole	RDX	5	12,080.0	12,081.0	5/6/2024
8,271.0		Niobrara, Original Hole	RDX	5	12,124.0	12,125.0	5/6/2024
8,533.1		Niobrara, Original Hole	RDX	5	12,167.0	12,168.0	5/6/2024
8,795.9		Niobrara, Original Hole	RDX	5	12,211.0	12,212.0	5/6/2024
9,101.7		Niobrara, Original Hole	RDX	4	12,255.0	12,256.0	5/6/2024
9,366.1		Niobrara, Original Hole	RDX	4	12,299.0	12,300.0	5/6/2024
9,627.0		Niobrara, Original Hole	RDX	4	12,343.0	12,344.0	5/6/2024
9,892.1		Niobrara, Original Hole	RDX	4	12,386.0	12,387.0	5/6/2024
10,152.9		Niobrara, Original Hole	RDX	5	12,430.0	12,431.0	5/6/2024
10,417.0		Niobrara, Original Hole	RDX	5	12,474.0	12,475.0	5/6/2024
10,678.1		Niobrara, Original Hole	RDX	5	12,518.0	12,519.0	5/6/2024
10,897.0		Niobrara, Original Hole	RDX	5	12,562.0	12,563.0	5/6/2024
11,161.1		Niobrara, Original Hole	RDX	4	12,598.0	12,599.0	5/6/2024
11,466.9		Niobrara, Original Hole	RDX	4	12,639.0	12,640.0	5/6/2024
11,687.0		Niobrara, Original Hole	RDX	4	12,687.0	12,688.0	5/6/2024
11,992.1		Niobrara, Original Hole	RDX	4	12,729.0	12,730.0	5/6/2024
12,254.9		Niobrara, Original Hole	RDX	5	12,773.0	12,774.0	5/6/2024
12,519.0		Niobrara, Original Hole	RDX	5	12,817.0	12,818.0	5/6/2024
12,773.9		Niobrara, Original Hole	RDX	5	12,861.0	12,862.0	5/6/2024
13,044.0		Niobrara, Original Hole	RDX	5	12,904.0	12,905.0	5/6/2024
13,307.1		Niobrara, Original Hole	RDX	4	12,956.0	12,957.0	5/4/2024
13,612.9		Niobrara, Original Hole	RDX	4	13,000.0	13,001.0	5/4/2024
13,875.0		Niobrara, Original Hole	RDX	4	13,043.0	13,044.0	5/4/2024
14,139.1		Niobrara, Original Hole	RDX	4	13,087.0	13,088.0	5/4/2024
14,397.0		Niobrara, Original Hole	RDX	5	13,131.0	13,132.0	5/4/2024
14,707.7		Niobrara, Original Hole	RDX	5	13,175.0	13,176.0	5/4/2024
		Niobrara, Original Hole	RDX	5	13,219.0	13,220.0	5/4/2024
		Niobrara, Original Hole	RDX	5	13,262.0	13,263.0	5/4/2024
		Niobrara, Original Hole	RDX	4	13,306.0	13,307.0	5/4/2024
		Niobrara, Original Hole	RDX	4	13,350.0	13,351.0	5/4/2024
		Niobrara, Original Hole	RDX	4	13,394.0	13,395.0	5/4/2024
		Niobrara, Original Hole	RDX	4	13,438.0	13,439.0	5/4/2024
		Niobrara, Original Hole	RDX	5	13,481.0	13,482.0	5/4/2024
		Niobrara, Original Hole	RDX	5	13,525.0	13,526.0	5/4/2024
		Niobrara, Original Hole	RDX	5	13,569.0	13,570.0	5/4/2024
		Niobrara, Original Hole	RDX	5	13,613.0	13,614.0	5/4/2024
		Niobrara, Original Hole	RDX	4	13,657.0	13,658.0	5/4/2024
		Niobrara, Original Hole	RDX	4	13,700.0	13,701.0	5/4/2024
		Niobrara, Original Hole	RDX	4	13,744.0	13,745.0	5/4/2024
		Niobrara, Original Hole	RDX	4	13,788.0	13,789.0	5/4/2024
		Niobrara, Original Hole	RDX	5	13,832.0	13,833.0	5/4/2024
		Niobrara, Original Hole	RDX	5	13,875.0	13,876.0	5/4/2024
		Niobrara, Original Hole	RDX	5	13,919.0	13,920.0	5/4/2024
		Niobrara, Original Hole	RDX	5	13,963.0	13,964.0	5/4/2024
		Niobrara, Original Hole	RDX	4	14,007.0	14,008.0	5/3/2024
		Niobrara, Original Hole	RDX	4	14,051.0	14,052.0	5/3/2024
		Niobrara, Original Hole	RDX	4	14,094.0	14,095.0	5/3/2024
		Niobrara, Original Hole	RDX	4	14,138.0	14,139.0	5/3/2024
		Niobrara, Original Hole	RDX	5	14,182.0	14,183.0	5/3/2024
		Niobrara, Original Hole	RDX	5	14,226.0	14,227.0	5/3/2024
		Niobrara, Original Hole	RDX	5	14,270.0	14,271.0	5/3/2024
		Niobrara, Original Hole	RDX	5	14,316.0	14,317.0	5/3/2024
		Niobrara, Original Hole	RDX	4	14,360.0	14,361.0	5/2/2024
		Niobrara, Original Hole	RDX	4	14,397.0	14,398.0	5/2/2024
		Niobrara, Original Hole	RDX	4	14,442.0	14,443.0	5/2/2024
		Niobrara, Original Hole	RDX	4	14,486.0	14,487.0	5/2/2024
		Niobrara, Original Hole	RDX	5	14,531.0	14,531.0	5/2/2024
		Niobrara, Original Hole	RDX	5	14,574.0	14,575.0	5/2/2024





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MD (ftK B)	Vertical schematic (actual)	Linked Zone	Explosive Type	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date	
		Niobrara, Original Hole	RDX	5	14,618.0	14,619.0	5/2/2024	
		Niobrara, Original Hole	RDX	5	14,662.0	14,663.0	5/2/2024	
		Niobrara, Original Hole		12	14,708.0	14,710.0	4/1/2024	
Stim/Frac Stage								
		Zone	Start Date		Top (ftKB)	Btm (ftKB)		
6,250.3		Niobrara, Original Hole	5/12/2024		7,700.4	8,007.9		
7,701.1		Niobrara, Original Hole	5/11/2024		8,050.7	8,357.9		
8,006.9		Niobrara, Original Hole	5/11/2024		8,401.1	8,709.0		
8,271.0		Niobrara, Original Hole	5/10/2024		8,751.4	9,060.0		
8,533.1		Niobrara, Original Hole	5/10/2024		9,101.8	9,408.4		
8,795.9		Niobrara, Original Hole	5/10/2024		9,452.2	9,761.0		
9,101.7		Niobrara, Original Hole	5/9/2024		9,802.5	10,109.1		
9,366.1		Niobrara, Original Hole	5/9/2024		10,152.9	10,459.5		
9,627.0		Niobrara, Original Hole	5/8/2024		10,503.3	10,809.8		
9,892.1		Niobrara, Original Hole	5/8/2024		10,853.6	11,160.2		
10,152.9		Niobrara, Original Hole	5/7/2024		11,204.0	11,510.5		
10,417.0		Niobrara, Original Hole	5/7/2024		11,554.3	11,860.9		
10,678.1		Niobrara, Original Hole	5/6/2024		11,904.7	12,211.3		
10,897.0		Niobrara, Original Hole	5/6/2024		12,255.1	12,561.6		
11,161.1		Niobrara, Original Hole	5/6/2024		12,598.0	12,905.0		
11,466.9		Niobrara, Original Hole	5/5/2024		12,955.8	13,262.4		
11,687.0		Niobrara, Original Hole	5/4/2024		13,306.2	13,613.7		
11,992.1		Niobrara, Original Hole	5/4/2024		13,656.5	13,963.9		
12,254.9		Niobrara, Original Hole	5/3/2024		14,006.9	14,317.0		
12,519.0		Niobrara, Original Hole	5/3/2024		14,360.0	14,663.0		
12,773.9		Niobrara, Original Hole	5/3/2024		14,707.6	14,710.0		
13,044.0		Other In Hole						
13,307.1		Run Date	Des		Make	OD (in)	Top (ftKB)	Btm (ftKB)
13,612.9								
13,875.0	Logs							
14,139.1	Date	Type			Depth Top (MD) (ftKB)	Btm (ftKB)		
14,397.0								
14,707.7	Wellbore Plug Back Total Depths							
	Date	Type	Com			PBTD (ftKB)		
	6/1/2024	No Tag Established	TB BASED ON CT MEASUREMENT			14,668		
	8/6/2024	Float Collar				14,734		