



Current Horizontal PA Wellbore - Vertical Section

Well Name: Spinney 02N

Original Hole [Land]		Well Header									
MD (ftKB)	Vertical schematic (actual)	Surface UWI 0512351633		Business Unit Rockies		Gov Auth Dist Evans		Prod Tree Loc Land			
		Orig. KB to Gnd (ft) 28.50	Original Spud Date 5/7/2023	Abandon Date		Well Sub-Status WO			High... N		
Comment											
Surface Location (Congressional)											
Qtr 3 SW		Qtr 4 SW	Section 9	Twnshp 3	Twnsh... N	Range 66	Rng E/... W	Latitude (°) 40.234777	Longitude (°) -104.787285		
Wellbore Sections											
Section Des		Hole Size (in)		Top Depth (ftKB)		Btm Depth (ftKB)					
Surface		13 1/2		13.0							
Surface		13 1/2		28.5		1,760.5					
Production		8 1/2		1,760.5		22,861.0					
Casing Strings											
Csg Des		Run Date		OD (in)	Wt/Len (lb/ft)	Grade	Top Depth (MD) (ftKB)	Set Depth (MD) (ftKB)			
Surface		2/26/2023		9 5/8	36.00	J-55	28.5	1750.2			
Production		5/14/2023		5 1/2	20.00	P-110	28.5	22849			
Cement											
Des				Start Date		Top (ftKB)		Btm (ftKB)			
Surface				2/26/2023		28.5		1,750.2			
Production Casing Cement				5/15/2023		2,386.0		22,849.0			
Zone Statuses											
Zone Name		Status Date		Status	Fluid Type	Job			Prod Method		
Niobrara		9/3/2024		Open	Oil	Initial Completion, 3/21/2024 00:00			Naturally Flowing		
Niobrara		9/3/2024		Open	Gas	Initial Completion, 3/21/2024 00:00			Naturally Flowing		
Perforation Data											
Linked Zone		Explosiv e Type	Entered Shot Total		Top (ftKB)		Btm (ftKB)		Date		
Niobrara, Original Hole		RDX	4		7,830.0		7,831.0		6/25/2024		
Niobrara, Original Hole		RDX	4		7,875.0		7,876.0		6/25/2024		
Niobrara, Original Hole		RDX	4		7,920.0		7,921.0		6/25/2024		
Niobrara, Original Hole		RDX	4		7,965.0		7,966.0		6/25/2024		
Niobrara, Original Hole		RDX	4		8,010.0		8,011.0		6/25/2024		
Niobrara, Original Hole		RDX	4		8,055.0		8,056.0		6/25/2024		
Niobrara, Original Hole		RDX	4		8,100.0		8,101.0		6/25/2024		
Niobrara, Original Hole		RDX	4		8,146.0		8,147.0		6/25/2024		
Niobrara, Original Hole		RDX	4		8,190.0		8,191.0		6/25/2024		
Niobrara, Original Hole		RDX	4		8,237.0		8,238.0		6/25/2024		
Niobrara, Original Hole		RDX	4		8,283.0		8,284.0		6/25/2024		
Niobrara, Original Hole		RDX	4		8,327.0		8,328.0		6/25/2024		
Niobrara, Original Hole		RDX	4		8,372.0		8,373.0		6/25/2024		
Niobrara, Original Hole		RDX	4		8,418.0		8,419.0		6/25/2024		
Niobrara, Original Hole		RDX	4		8,464.0		8,465.0		6/25/2024		
Niobrara, Original Hole		RDX	4		8,509.0		8,510.0		6/25/2024		
Niobrara, Original Hole		RDX	4		8,547.0		8,548.0		6/24/2024		
Niobrara, Original Hole		RDX	4		8,593.0		8,594.0		6/24/2024		
Niobrara, Original Hole		RDX	4		8,639.0		8,640.0		6/24/2024		
Niobrara, Original Hole		RDX	4		8,683.0		8,684.0		6/24/2024		
Niobrara, Original Hole		RDX	4		8,729.0		8,730.0		6/24/2024		
Niobrara, Original Hole		RDX	4		8,775.0		8,776.0		6/24/2024		
Niobrara, Original Hole		RDX	4		8,819.0		8,820.0		6/24/2024		
Niobrara, Original Hole		RDX	4		8,864.0		8,865.0		6/24/2024		
Niobrara, Original Hole		RDX	4		8,910.0		8,911.0		6/24/2024		
Niobrara, Original Hole		RDX	4		8,955.0		8,956.0		6/24/2024		
Niobrara, Original Hole		RDX	4		9,001.0		9,002.0		6/24/2024		
Niobrara, Original Hole		RDX	4		9,046.0		9,047.0		6/24/2024		
Niobrara, Original Hole		RDX	4		9,091.0		9,092.0		6/24/2024		
Niobrara, Original Hole		RDX	4		9,136.0		9,137.0		6/24/2024		
Niobrara, Original Hole		RDX	4		9,181.0		9,182.0		6/24/2024		
Niobrara, Original Hole		RDX	4		9,227.0		9,228.0		6/24/2024		
Niobrara, Original Hole		RDX	4		9,271.0		9,272.0		6/24/2024		
Niobrara, Original Hole		RDX	4		9,316.0		9,317.0		6/24/2024		
Niobrara, Original Hole		RDX	4		9,361.0		9,362.0		6/24/2024		
Niobrara, Original Hole		RDX	4		9,406.0		9,407.0		6/24/2024		



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Well Name: Spinney 02N

Original Hole [Land]		Perforation Data					
MD (ftKB)	Vertical schematic (actual)	Linked Zone	Explosiv e Type	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
		Niobrara, Original Hole	RDX	4	9,451.0	9,452.0	6/24/2024
		Niobrara, Original Hole	RDX	4	9,496.0	9,497.0	6/24/2024
		Niobrara, Original Hole	RDX	4	9,541.0	9,542.0	6/24/2024
-573.5		Niobrara, Original Hole	RDX	4	9,587.0	9,588.0	6/24/2024
-2.0		Niobrara, Original Hole	RDX	4	9,632.0	9,633.0	6/24/2024
-1.5		Niobrara, Original Hole	RDX	4	9,677.0	9,678.0	6/24/2024
-1.0		Niobrara, Original Hole	RDX	4	9,722.0	9,723.0	6/24/2024
		Niobrara, Original Hole	RDX	4	9,767.0	9,768.0	6/24/2024
		Niobrara, Original Hole	RDX	4	9,812.0	9,813.0	6/24/2024
		Niobrara, Original Hole	RDX	4	9,857.0	9,858.0	6/24/2024
13.8		Niobrara, Original Hole	RDX	4	9,902.0	9,903.0	6/24/2024
		Niobrara, Original Hole	RDX	4	9,948.0	9,949.0	6/24/2024
28.5		Niobrara, Original Hole	RDX	4	9,992.0	9,993.0	6/23/2024
868.3		Niobrara, Original Hole	RDX	4	10,037.0	10,038.0	6/23/2024
1,708.0		Niobrara, Original Hole	RDX	4	10,082.0	10,083.0	6/23/2024
1,729.2		Niobrara, Original Hole	RDX	4	10,127.0	10,128.0	6/23/2024
		Niobrara, Original Hole	RDX	4	10,172.0	10,173.0	6/23/2024
		Niobrara, Original Hole	RDX	4	10,217.0	10,218.0	6/23/2024
		Niobrara, Original Hole	RDX	4	10,262.0	10,263.0	6/23/2024
1,750.3		Niobrara, Original Hole	RDX	4	10,308.0	10,309.0	6/23/2024
		Niobrara, Original Hole	RDX	4	10,352.0	10,353.0	6/23/2024
1,755.4		Niobrara, Original Hole	RDX	4	10,397.0	10,398.0	6/23/2024
		Niobrara, Original Hole	RDX	4	10,442.0	10,443.0	6/23/2024
1,760.5		Niobrara, Original Hole	RDX	4	10,487.0	10,488.0	6/23/2024
		Niobrara, Original Hole	RDX	4	10,532.0	10,533.0	6/23/2024
2,073.3		Niobrara, Original Hole	RDX	4	10,577.0	10,578.0	6/23/2024
		Niobrara, Original Hole	RDX	4	10,622.0	10,623.0	6/23/2024
2,386.2		Niobrara, Original Hole	RDX	4	10,668.0	10,669.0	6/23/2024
		Niobrara, Original Hole	RDX	4	10,713.0	10,714.0	6/23/2024
4,785.9		Niobrara, Original Hole	RDX	4	10,758.0	10,759.0	6/23/2024
		Niobrara, Original Hole	RDX	4	10,803.0	10,804.0	6/23/2024
7,185.7		Niobrara, Original Hole	RDX	4	10,848.0	10,849.0	6/23/2024
		Niobrara, Original Hole	RDX	4	10,893.0	10,894.0	6/23/2024
7,186.2		Niobrara, Original Hole	RDX	4	10,938.0	10,939.0	6/23/2024
		Niobrara, Original Hole	RDX	4	10,983.0	10,984.0	6/23/2024
7,186.7		Niobrara, Original Hole	RDX	4	11,029.0	11,030.0	6/23/2024
		Niobrara, Original Hole	RDX	4	11,073.0	11,074.0	6/23/2024
7,384.4		Niobrara, Original Hole	RDX	4	11,118.0	11,119.0	6/23/2024
		Niobrara, Original Hole	RDX	4	11,163.0	11,164.0	6/23/2024
7,582.0		Niobrara, Original Hole	RDX	4	11,208.0	11,209.0	6/23/2024
		Niobrara, Original Hole	RDX	4	11,253.0	11,254.0	6/23/2024
7,582.7		Niobrara, Original Hole	RDX	4	11,298.0	11,299.0	6/23/2024
		Niobrara, Original Hole	RDX	4	11,298.0	11,299.0	6/23/2024
7,583.3		Niobrara, Original Hole	RDX	4	11,343.0	11,344.0	6/23/2024
		Niobrara, Original Hole	RDX	4	11,389.0	11,390.0	6/23/2024
7,586.5		Niobrara, Original Hole	RDX	4	11,434.0	11,435.0	6/22/2024
		Niobrara, Original Hole	RDX	4	11,479.0	11,480.0	6/22/2024
7,589.6		Niobrara, Original Hole	RDX	4	11,524.0	11,525.0	6/22/2024
	Niobrara, Original Hole	RDX	4	11,569.0	11,570.0	6/22/2024	
7,590.1	Niobrara, Original Hole	RDX	4	11,614.0	11,615.0	6/22/2024	
	Niobrara, Original Hole	RDX	4	11,659.0	11,660.0	6/22/2024	
7,590.6	Niobrara, Original Hole	RDX	4	11,704.0	11,705.0	6/22/2024	
	Niobrara, Original Hole	RDX	4	11,750.0	11,751.0	6/22/2024	
15,219.8	Niobrara, Original Hole	RDX	4	11,794.0	11,795.0	6/22/2024	
	Niobrara, Original Hole	RDX	4	11,839.0	11,840.0	6/22/2024	
22,849.1	Niobrara, Original Hole	RDX	4	11,884.0	11,885.0	6/22/2024	
	Niobrara, Original Hole	RDX	4	11,929.0	11,930.0	6/22/2024	
22,855.0	Niobrara, Original Hole	RDX	4	11,974.0	11,975.0	6/22/2024	
	Niobrara, Original Hole	RDX	4	12,019.0	12,020.0	6/22/2024	
22,860.9	Niobrara, Original Hole	RDX	4	12,064.0	12,065.0	6/22/2024	
	Niobrara, Original Hole	RDX	4	12,110.0	12,111.0	6/22/2024	
23,432.5							



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Original Hole [Land]		Perforation Data					
MD (ftKB)	Vertical schematic (actual)	Linked Zone	Explosiv e Type	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
		Niobrara, Original Hole	RDX	4	12,157.0	12,158.0	6/22/2024
		Niobrara, Original Hole	RDX	4	12,203.0	12,204.0	6/22/2024
-573.5		Niobrara, Original Hole	RDX	4	12,248.0	12,249.0	6/22/2024
		Niobrara, Original Hole	RDX	4	12,289.0	12,290.0	6/22/2024
-2.0		Niobrara, Original Hole	RDX	4	12,334.0	12,335.0	6/22/2024
		Niobrara, Original Hole	RDX	4	12,381.0	12,382.0	6/22/2024
-1.5		Niobrara, Original Hole	RDX	4	12,426.0	12,427.0	6/22/2024
		Niobrara, Original Hole	RDX	4	12,472.0	12,473.0	6/22/2024
-1.0		Niobrara, Original Hole	RDX	4	12,516.0	12,517.0	6/21/2024
		Niobrara, Original Hole	RDX	4	12,562.0	12,563.0	6/21/2024
13.8		Niobrara, Original Hole	RDX	4	12,608.0	12,609.0	6/21/2024
		Niobrara, Original Hole	RDX	4	12,651.0	12,652.0	6/21/2024
28.5		Niobrara, Original Hole	RDX	4	12,697.0	12,698.0	6/21/2024
		Niobrara, Original Hole	RDX	4	12,738.0	12,739.0	6/21/2024
868.3		Niobrara, Original Hole	RDX	4	12,782.0	12,783.0	6/21/2024
		Niobrara, Original Hole	RDX	4	12,835.0	12,836.0	6/21/2024
1,708.0		Niobrara, Original Hole	RDX	4	12,871.0	12,872.0	6/21/2024
		Niobrara, Original Hole	RDX	4	12,916.0	12,917.0	6/21/2024
1,729.2		Niobrara, Original Hole	RDX	4	12,962.0	12,963.0	6/21/2024
		Niobrara, Original Hole	RDX	4	13,007.0	13,008.0	6/21/2024
1,750.3		Niobrara, Original Hole	RDX	4	13,052.0	13,053.0	6/21/2024
		Niobrara, Original Hole	RDX	4	13,100.0	13,101.0	6/21/2024
1,755.4		Niobrara, Original Hole	RDX	4	13,145.0	13,146.0	6/21/2024
		Niobrara, Original Hole	RDX	4	13,191.0	13,192.0	6/21/2024
1,760.5		Niobrara, Original Hole	RDX	4	13,236.0	13,237.0	6/21/2024
		Niobrara, Original Hole	RDX	4	13,281.0	13,282.0	6/21/2024
2,073.3		Niobrara, Original Hole	RDX	4	13,326.0	13,327.0	6/21/2024
		Niobrara, Original Hole	RDX	4	13,371.0	13,372.0	6/21/2024
2,386.2		Niobrara, Original Hole	RDX	4	13,416.0	13,417.0	6/21/2024
		Niobrara, Original Hole	RDX	4	13,461.0	13,462.0	6/21/2024
4,785.9		Niobrara, Original Hole	RDX	4	13,506.0	13,507.0	6/21/2024
		Niobrara, Original Hole	RDX	4	13,552.0	13,553.0	6/21/2024
7,185.7		Niobrara, Original Hole	RDX	4	13,596.0	13,597.0	6/20/2024
		Niobrara, Original Hole	RDX	4	13,641.0	13,642.0	6/20/2024
7,186.2		Niobrara, Original Hole	RDX	4	13,686.0	13,687.0	6/20/2024
		Niobrara, Original Hole	RDX	4	13,731.0	13,732.0	6/20/2024
7,186.7		Niobrara, Original Hole	RDX	4	13,776.0	13,777.0	6/20/2024
		Niobrara, Original Hole	RDX	4	13,821.0	13,822.0	6/20/2024
7,384.4		Niobrara, Original Hole	RDX	4	13,866.0	13,867.0	6/20/2024
		Niobrara, Original Hole	RDX	4	13,912.0	13,913.0	6/20/2024
7,582.0	Niobrara, Original Hole	RDX	4	13,956.0	13,957.0	6/20/2024	
	Niobrara, Original Hole	RDX	4	14,001.0	14,002.0	6/20/2024	
7,582.7	Niobrara, Original Hole	RDX	4	14,046.0	14,047.0	6/20/2024	
	Niobrara, Original Hole	RDX	4	14,091.0	14,092.0	6/20/2024	
7,583.3	Niobrara, Original Hole	RDX	4	14,136.0	14,137.0	6/20/2024	
	Niobrara, Original Hole	RDX	4	14,181.0	14,182.0	6/20/2024	
7,586.5	Niobrara, Original Hole	RDX	4	14,226.0	14,227.0	6/20/2024	
	Niobrara, Original Hole	RDX	4	14,272.0	14,273.0	6/20/2024	
7,589.6	Niobrara, Original Hole	RDX	4	14,317.0	14,318.0	6/20/2024	
	Niobrara, Original Hole	RDX	4	14,362.0	14,363.0	6/20/2024	
7,590.1	Niobrara, Original Hole	RDX	4	14,407.0	14,408.0	6/20/2024	
	Niobrara, Original Hole	RDX	4	14,452.0	14,453.0	6/20/2024	
7,590.6	Niobrara, Original Hole	RDX	4	14,497.0	14,498.0	6/20/2024	
	Niobrara, Original Hole	RDX	4	14,542.0	14,543.0	6/20/2024	
15,219.8	Niobrara, Original Hole	RDX	4	14,587.0	14,588.0	6/20/2024	
	Niobrara, Original Hole	RDX	4	14,633.0	14,634.0	6/20/2024	
22,849.1	Niobrara, Original Hole	RDX	4	14,677.0	14,678.0	6/19/2024	
	Niobrara, Original Hole	RDX	4	14,722.0	14,723.0	6/19/2024	
22,855.0	Niobrara, Original Hole	RDX	4	14,767.0	14,768.0	6/19/2024	
	Niobrara, Original Hole	RDX	4	14,812.0	14,813.0	6/19/2024	
22,860.9							
23,432.5							



Current Horizontal PA Wellbore - Vertical Section

Well Name: Spinney 02N

Original Hole [Land]		Perforation Data					
MD (ftKB)	Vertical schematic (actual)	Linked Zone	Explosiv e Type	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
		Niobrara, Original Hole	RDX	4	14,857.0	14,858.0	6/19/2024
		Niobrara, Original Hole	RDX	4	14,902.0	14,903.0	6/19/2024
-573.5		Niobrara, Original Hole	RDX	4	14,947.0	14,948.0	6/19/2024
		Niobrara, Original Hole	RDX	4	14,993.0	14,994.0	6/19/2024
-2.0		Niobrara, Original Hole	RDX	4	15,038.0	15,039.0	6/19/2024
		Niobrara, Original Hole	RDX	4	15,083.0	15,084.0	6/19/2024
-1.5		Niobrara, Original Hole	RDX	4	15,128.0	15,129.0	6/19/2024
		Niobrara, Original Hole	RDX	4	15,173.0	15,174.0	6/19/2024
-1.0		Niobrara, Original Hole	RDX	4	15,218.0	15,219.0	6/19/2024
		Niobrara, Original Hole	RDX	4	15,263.0	15,264.0	6/19/2024
13.8		Niobrara, Original Hole	RDX	4	15,308.0	15,309.0	6/19/2024
		Niobrara, Original Hole	RDX	4	15,354.0	15,355.0	6/19/2024
28.5		Niobrara, Original Hole	RDX	4	15,398.0	15,399.0	6/19/2024
		Niobrara, Original Hole	RDX	4	15,443.0	15,444.0	6/19/2024
868.3		Niobrara, Original Hole	RDX	4	15,488.0	15,489.0	6/19/2024
		Niobrara, Original Hole	RDX	4	15,533.0	15,534.0	6/19/2024
1,708.0		Niobrara, Original Hole	RDX	4	15,578.0	15,579.0	6/19/2024
		Niobrara, Original Hole	RDX	4	15,623.0	15,624.0	6/19/2024
1,729.2		Niobrara, Original Hole	RDX	4	15,668.0	15,669.0	6/19/2024
		Niobrara, Original Hole	RDX	4	15,714.0	15,715.0	6/19/2024
1,750.3		Niobrara, Original Hole	RDX	4	15,758.0	15,759.0	6/19/2024
		Niobrara, Original Hole	RDX	4	15,803.0	15,804.0	6/19/2024
1,755.4		Niobrara, Original Hole	RDX	4	15,848.0	15,849.0	6/19/2024
		Niobrara, Original Hole	RDX	4	15,893.0	15,894.0	6/19/2024
1,760.5		Niobrara, Original Hole	RDX	4	15,938.0	15,939.0	6/19/2024
		Niobrara, Original Hole	RDX	4	15,983.0	15,984.0	6/19/2024
2,073.3		Niobrara, Original Hole	RDX	4	16,028.0	16,029.0	6/19/2024
		Niobrara, Original Hole	RDX	4	16,074.0	16,075.0	6/19/2024
2,386.2		Niobrara, Original Hole	RDX	4	16,119.0	16,120.0	6/18/2024
		Niobrara, Original Hole	RDX	4	16,164.0	16,165.0	6/18/2024
4,785.9		Niobrara, Original Hole	RDX	4	16,209.0	16,210.0	6/18/2024
		Niobrara, Original Hole	RDX	4	16,254.0	16,255.0	6/18/2024
7,185.7		Niobrara, Original Hole	RDX	4	16,299.0	16,300.0	6/18/2024
		Niobrara, Original Hole	RDX	4	16,344.0	16,345.0	6/18/2024
7,186.2		Niobrara, Original Hole	RDX	4	16,389.0	16,390.0	6/18/2024
		Niobrara, Original Hole	RDX	4	16,435.0	16,436.0	6/18/2024
7,186.7		Niobrara, Original Hole	RDX	4	16,479.0	16,480.0	6/18/2024
		Niobrara, Original Hole	RDX	4	16,524.0	16,525.0	6/18/2024
7,384.4		Niobrara, Original Hole	RDX	4	16,569.0	16,570.0	6/18/2024
		Niobrara, Original Hole	RDX	4	16,614.0	16,615.0	6/18/2024
7,582.0		Niobrara, Original Hole	RDX	4	16,659.0	16,660.0	6/18/2024
		Niobrara, Original Hole	RDX	4	16,704.0	16,705.0	6/18/2024
7,582.7		Niobrara, Original Hole	RDX	4	16,749.0	16,750.0	6/18/2024
		Niobrara, Original Hole	RDX	4	16,795.0	16,796.0	6/18/2024
7,583.3		Niobrara, Original Hole	RDX	4	16,840.0	16,841.0	6/18/2024
		Niobrara, Original Hole	RDX	4	16,885.0	16,886.0	6/18/2024
7,586.5		Niobrara, Original Hole	RDX	4	16,930.0	16,931.0	6/18/2024
		Niobrara, Original Hole	RDX	4	16,975.0	16,976.0	6/18/2024
7,589.6	Niobrara, Original Hole	RDX	4	17,020.0	17,021.0	6/18/2024	
	Niobrara, Original Hole	RDX	4	17,065.0	17,066.0	6/18/2024	
7,590.1	Niobrara, Original Hole	RDX	4	17,110.0	17,111.0	6/18/2024	
	Niobrara, Original Hole	RDX	4	17,156.0	17,157.0	6/18/2024	
7,590.6	Niobrara, Original Hole	RDX	4	17,200.0	17,201.0	6/18/2024	
	Niobrara, Original Hole	RDX	4	17,245.0	17,246.0	6/18/2024	
15,219.8	Niobrara, Original Hole	RDX	4	17,290.0	17,291.0	6/18/2024	
	Niobrara, Original Hole	RDX	4	17,335.0	17,336.0	6/18/2024	
22,849.1	Niobrara, Original Hole	RDX	4	17,380.0	17,381.0	6/18/2024	
	Niobrara, Original Hole	RDX	4	17,425.0	17,426.0	6/18/2024	
22,855.0	Niobrara, Original Hole	RDX	4	17,470.0	17,471.0	6/18/2024	
	Niobrara, Original Hole	RDX	4	17,516.0	17,517.0	6/18/2024	
22,860.9							
23,432.5							



Current Horizontal PA Wellbore - Vertical Section

Well Name: Spinney 02N

Original Hole [Land]		Perforation Data					
MD (ftKB)	Vertical schematic (actual)	Linked Zone	Explosiv e Type	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
		Niobrara, Original Hole	RDX	4	17,560.0	17,561.0	6/17/2024
		Niobrara, Original Hole	RDX	4	17,605.0	17,606.0	6/17/2024
-573.5		Niobrara, Original Hole	RDX	4	17,650.0	17,651.0	6/17/2024
		Niobrara, Original Hole	RDX	4	17,695.0	17,696.0	6/17/2024
-2.0		Niobrara, Original Hole	RDX	4	17,740.0	17,741.0	6/17/2024
		Niobrara, Original Hole	RDX	4	17,785.0	17,786.0	6/17/2024
-1.5		Niobrara, Original Hole	RDX	4	17,830.0	17,831.0	6/17/2024
		Niobrara, Original Hole	RDX	4	17,876.0	17,877.0	6/17/2024
-1.0		Niobrara, Original Hole	RDX	4	17,921.0	17,922.0	6/17/2024
		Niobrara, Original Hole	RDX	4	17,966.0	17,967.0	6/17/2024
13.8		Niobrara, Original Hole	RDX	4	18,011.0	18,012.0	6/17/2024
		Niobrara, Original Hole	RDX	4	18,056.0	18,057.0	6/17/2024
28.5		Niobrara, Original Hole	RDX	4	18,101.0	18,102.0	6/17/2024
		Niobrara, Original Hole	RDX	4	18,146.0	18,147.0	6/17/2024
868.3		Niobrara, Original Hole	RDX	4	18,191.0	18,192.0	6/17/2024
		Niobrara, Original Hole	RDX	4	18,237.0	18,238.0	6/17/2024
1,708.0		Niobrara, Original Hole	RDX	4	18,281.0	18,282.0	6/17/2024
		Niobrara, Original Hole	RDX	4	18,326.0	18,327.0	6/17/2024
1,729.2		Niobrara, Original Hole	RDX	4	18,371.0	18,372.0	6/17/2024
		Niobrara, Original Hole	RDX	4	18,416.0	18,417.0	6/17/2024
1,750.3		Niobrara, Original Hole	RDX	4	18,461.0	18,462.0	6/17/2024
		Niobrara, Original Hole	RDX	4	18,506.0	18,507.0	6/17/2024
1,755.4		Niobrara, Original Hole	RDX	4	18,551.0	18,552.0	6/17/2024
		Niobrara, Original Hole	RDX	4	18,597.0	18,598.0	6/17/2024
1,760.5		Niobrara, Original Hole	RDX	4	18,642.0	18,643.0	6/16/2024
		Niobrara, Original Hole	RDX	4	18,687.0	18,688.0	6/16/2024
2,073.3		Niobrara, Original Hole	RDX	4	18,732.0	18,733.0	6/16/2024
		Niobrara, Original Hole	RDX	4	18,777.0	18,778.0	6/16/2024
2,386.2		Niobrara, Original Hole	RDX	4	18,822.0	18,823.0	6/16/2024
		Niobrara, Original Hole	RDX	4	18,867.0	18,868.0	6/16/2024
4,785.9		Niobrara, Original Hole	RDX	4	18,912.0	18,913.0	6/16/2024
		Niobrara, Original Hole	RDX	4	18,958.0	18,959.0	6/16/2024
7,185.7		Niobrara, Original Hole	RDX	4	19,002.0	19,003.0	6/16/2024
		Niobrara, Original Hole	RDX	4	19,047.0	19,048.0	6/16/2024
7,186.2		Niobrara, Original Hole	RDX	4	19,092.0	19,093.0	6/16/2024
		Niobrara, Original Hole	RDX	4	19,137.0	19,138.0	6/16/2024
7,384.4		Niobrara, Original Hole	RDX	4	19,182.0	19,183.0	6/16/2024
		Niobrara, Original Hole	RDX	4	19,227.0	19,228.0	6/16/2024
7,582.0		Niobrara, Original Hole	RDX	4	19,272.0	19,273.0	6/16/2024
		Niobrara, Original Hole	RDX	4	19,318.0	19,319.0	6/16/2024
7,582.7	Niobrara, Original Hole	RDX	4	19,362.0	19,363.0	6/16/2024	
	Niobrara, Original Hole	RDX	4	19,407.0	19,408.0	6/16/2024	
7,583.3	Niobrara, Original Hole	RDX	4	19,452.0	19,453.0	6/16/2024	
	Niobrara, Original Hole	RDX	4	19,497.0	19,498.0	6/16/2024	
7,586.5	Niobrara, Original Hole	RDX	4	19,542.0	19,543.0	6/16/2024	
	Niobrara, Original Hole	RDX	4	19,587.0	19,588.0	6/16/2024	
7,589.6	Niobrara, Original Hole	RDX	4	19,632.0	19,633.0	6/16/2024	
	Niobrara, Original Hole	RDX	4	19,678.0	19,679.0	6/16/2024	
7,590.1	Niobrara, Original Hole	RDX	4	19,723.0	19,724.0	6/15/2024	
	Niobrara, Original Hole	RDX	4	19,768.0	19,769.0	6/15/2024	
7,590.6	Niobrara, Original Hole	RDX	4	19,813.0	19,814.0	6/15/2024	
	Niobrara, Original Hole	RDX	4	19,858.0	19,859.0	6/15/2024	
15,219.8	Niobrara, Original Hole	RDX	4	19,903.0	19,904.0	6/15/2024	
	Niobrara, Original Hole	RDX	4	19,948.0	19,949.0	6/15/2024	
22,849.1	Niobrara, Original Hole	RDX	4	19,993.0	19,994.0	6/15/2024	
	Niobrara, Original Hole	RDX	4	20,039.0	20,040.0	6/15/2024	
22,855.0	Niobrara, Original Hole	RDX	4	20,083.0	20,084.0	6/15/2024	
	Niobrara, Original Hole	RDX	4	20,128.0	20,129.0	6/15/2024	
22,860.9	Niobrara, Original Hole	RDX	4	20,173.0	20,174.0	6/15/2024	
	Niobrara, Original Hole	RDX	4	20,218.0	20,219.0	6/15/2024	
23,432.5							



Current Horizontal PA Wellbore - Vertical Section

Well Name: Spinney 02N

Original Hole [Land]		Perforation Data						
MD (ftKB)	Vertical schematic (actual)	Linked Zone	Explosiv e Type	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date	
-573.5		Niobrara, Original Hole	RDX	4	20,263.0	20,264.0	6/15/2024	
-2.0		Niobrara, Original Hole	RDX	4	20,308.0	20,309.0	6/15/2024	
-1.5		Niobrara, Original Hole	RDX	4	20,353.0	20,354.0	6/15/2024	
-1.0		Niobrara, Original Hole	RDX	4	20,399.0	20,400.0	6/15/2024	
13.8		Niobrara, Original Hole	RDX	4	20,444.0	20,445.0	6/14/2024	
28.5		Niobrara, Original Hole	RDX	4	20,489.0	20,490.0	6/14/2024	
868.3		Niobrara, Original Hole	RDX	4	20,534.0	20,535.0	6/14/2024	
1,708.0		Niobrara, Original Hole	RDX	4	20,579.0	20,580.0	6/14/2024	
1,729.2		Niobrara, Original Hole	RDX	4	20,624.0	20,625.0	6/14/2024	
1,750.3		Niobrara, Original Hole	RDX	4	20,669.0	20,670.0	6/14/2024	
1,755.4		Niobrara, Original Hole	RDX	4	20,714.0	20,715.0	6/14/2024	
1,760.5		Niobrara, Original Hole	RDX	4	20,760.0	20,761.0	6/14/2024	
2,073.3		Niobrara, Original Hole	RDX	4	20,804.0	20,805.0	6/14/2024	
2,386.2		Niobrara, Original Hole	RDX	4	20,849.0	20,850.0	6/14/2024	
4,785.9		Niobrara, Original Hole	RDX	4	20,894.0	20,895.0	6/14/2024	
7,185.7		Niobrara, Original Hole	RDX	4	20,939.0	20,940.0	6/14/2024	
7,186.2		Niobrara, Original Hole	RDX	4	20,984.0	20,985.0	6/14/2024	
7,186.7		Niobrara, Original Hole	RDX	4	21,029.0	21,030.0	6/14/2024	
7,384.4		Niobrara, Original Hole	RDX	4	21,074.0	21,075.0	6/14/2024	
7,582.0		Niobrara, Original Hole	RDX	4	21,120.0	21,121.0	6/14/2024	
7,582.7		Niobrara, Original Hole	RDX	4	21,164.0	21,165.0	6/14/2024	
7,583.3		Niobrara, Original Hole	RDX	4	21,209.0	21,210.0	6/14/2024	
7,586.5		Niobrara, Original Hole	RDX	4	21,255.0	21,256.0	6/14/2024	
7,589.6		Niobrara, Original Hole	RDX	4	21,301.0	21,302.0	6/14/2024	
7,590.1		Niobrara, Original Hole	RDX	4	21,346.0	21,347.0	6/14/2024	
7,590.6		Niobrara, Original Hole	RDX	4	21,392.0	21,393.0	6/14/2024	
15,219.8		Niobrara, Original Hole	RDX	4	21,438.0	21,439.0	6/14/2024	
22,849.1		Niobrara, Original Hole	RDX	4	21,484.0	21,485.0	6/14/2024	
22,855.0		Niobrara, Original Hole	RDX	4	21,527.0	21,528.0	6/13/2024	
22,860.9		Niobrara, Original Hole	RDX	4	21,573.0	21,574.0	6/13/2024	
23,432.5		Niobrara, Original Hole	RDX	4	21,618.0	21,619.0	6/13/2024	
		Niobrara, Original Hole	RDX	4	21,656.0	21,657.0	6/13/2024	
		Niobrara, Original Hole	RDX	4	21,702.0	21,703.0	6/13/2024	
		Niobrara, Original Hole	RDX	4	21,748.0	21,749.0	6/13/2024	
		Niobrara, Original Hole	RDX	4	21,794.0	21,795.0	6/13/2024	
		Niobrara, Original Hole	RDX	4	21,838.0	21,839.0	6/13/2024	
		Niobrara, Original Hole	RDX	4	21,883.0	21,884.0	6/13/2024	
		Niobrara, Original Hole	RDX	4	21,929.0	21,930.0	6/13/2024	
		Niobrara, Original Hole	RDX	4	21,974.0	21,975.0	6/13/2024	
		Niobrara, Original Hole	RDX	4	22,020.0	22,021.0	6/13/2024	
		Niobrara, Original Hole	RDX	4	22,065.0	22,066.0	6/13/2024	
		Niobrara, Original Hole	RDX	4	22,110.0	22,111.0	6/13/2024	
		Niobrara, Original Hole	RDX	4	22,154.0	22,155.0	6/13/2024	
		Niobrara, Original Hole	RDX	4	22,200.0	22,201.0	6/13/2024	
		Niobrara, Original Hole	RDX	5	22,246.0	22,247.0	4/15/2024	
		Niobrara, Original Hole	RDX	5	22,310.0	22,311.0	4/15/2024	
		Niobrara, Original Hole	RDX	5	22,356.0	22,357.0	4/15/2024	
		Niobrara, Original Hole	RDX	5	22,402.0	22,403.0	4/15/2024	
		Niobrara, Original Hole	RDX	4	22,448.0	22,449.0	4/15/2024	
		Niobrara, Original Hole	RDX	4	22,494.0	22,495.0	4/15/2024	
		Niobrara, Original Hole	RDX	4	22,540.0	22,541.0	4/15/2024	
		Niobrara, Original Hole	RDX	4	22,586.0	22,587.0	4/15/2024	
		Stim/Frac Stage						
		Zone			Start Date		Top (ftKB)	Btm (ftKB)
		Niobrara, Original Hole			6/25/2024		7,830.0	8,146.0
		Niobrara, Original Hole			6/25/2024		8,190.0	8,506.0
		Niobrara, Original Hole			6/25/2024		8,550.0	8,866.0
		Niobrara, Original Hole			6/24/2024		8,911.0	9,227.0
		Niobrara, Original Hole			6/24/2024		9,271.0	9,587.0
		Niobrara, Original Hole			6/24/2024		9,632.0	9,948.0
		Niobrara, Original Hole			6/24/2024		9,992.0	10,308.0



Current Horizontal PA Wellbore - Vertical Section

Well Name: Spinney 02N

