



# P&A Wellbore For State

Well Name: GUTTERSEN C28-735

Original Hole [Land]		Well Header									
MD (ftKB)	Vertical schematic (actual)	Surface UWI 0512348932			Business Unit Rockies		Gov Auth Dist		Prod Tree Loc Land		
		Orig. KB to Gnd (ft) 29.00		Original Spud Date 11/5/2022		Abandon Date		Well Sub-Status PR		High... N	
		Comment THERE IS AN EXCEPTION TO THE COGCC LOGGING REQUIREMENTS RULE 317.p. A cased-hole neutron log with gamma-ray log will be run from the kick-off point into the surface casing. See Sundry Doc. #402455846 dated 07/29/2020 for COA details.									
		Surface Location (Congressional)									
		Qtr 3 SW	Qtr 4 SE	Section 33	Twnshp 4	Twnsh... N	Range 64	Rng E/... W	Latitude (°) 40.26262500 1	Longitude (°) -104.552714899	
		Wellbore Sections									
		Section Des			Hole Size (in)		Top Depth (ftKB)		Btm Depth (ftKB)		
		CONDUCTOR			26		29.0		109.0		
		SURFACE			13 1/2		109.0		1,946.0		
		PRODUCTION			8 1/2		1,946.0		17,115.0		
		Casing Strings									
		Csg Des		Run Date		OD (in)	Wt/Len (lb/ft)	Grade	Top Depth (MD) (ftKB)	Set Depth (MD) (ftKB)	
		Conductor		9/25/2022		26	125.00	X-56	29	109	
		Surface		11/5/2022		9 5/8	36.00	J-55	29	1935.6	
		Production Casing		11/18/2022		5 1/2	17.00	P-110	29	17103.6	
		Cement									
		Des				Start Date		Top (ftKB)		Btm (ftKB)	
		Conductor Cement				9/25/2022		29.0		109.0	
		Surface cement job				11/5/2022		29.0		1,935.6	
		Production Casing Cement				11/18/2022		728.0		17,057.5	
		Zone Statuses									
		Zone Name	Status Date	Status	Fluid Type	Job				Prod Method	
		NIOBRARA	5/17/2024	Open	Oil	Complete, 12/18/2022 09:00				Naturally Flowing	
		NIOBRARA	5/17/2024	Open	Gas	Complete, 12/18/2022 09:00				Naturally Flowing	
		Perforation Data									
		Linked Zone			Explosive Type	Entered Shot Total	Top (ftKB)		Btm (ftKB)		Date
		NIOBRARA, Original Hole				4	7,195.0		7,196.0		4/22/2024
		NIOBRARA, Original Hole				4	7,225.0		7,226.0		4/22/2024
		NIOBRARA, Original Hole				4	7,255.0		7,256.0		4/22/2024
		NIOBRARA, Original Hole				4	7,285.0		7,286.0		4/22/2024
		NIOBRARA, Original Hole				4	7,315.0		7,316.0		4/22/2024
		NIOBRARA, Original Hole				4	7,345.0		7,346.0		4/22/2024
		NIOBRARA, Original Hole				4	7,375.0		7,376.0		4/22/2024
		NIOBRARA, Original Hole				4	7,405.0		7,406.0		4/22/2024
		NIOBRARA, Original Hole				4	7,435.0		7,436.0		4/22/2024
		NIOBRARA, Original Hole				4	7,465.0		7,466.0		4/22/2024
		NIOBRARA, Original Hole				4	7,498.0		7,499.0		4/22/2024
		NIOBRARA, Original Hole				4	7,525.0		7,526.0		4/22/2024
		NIOBRARA, Original Hole				4	7,555.0		7,556.0		4/22/2024
		NIOBRARA, Original Hole				4	7,585.0		7,586.0		4/22/2024
		NIOBRARA, Original Hole				4	7,615.0		7,616.0		4/22/2024
		NIOBRARA, Original Hole				4	7,645.0		7,646.0		4/22/2024
		NIOBRARA, Original Hole				4	7,675.0		7,676.0		4/22/2024
		NIOBRARA, Original Hole				4	7,705.0		7,706.0		4/22/2024
		NIOBRARA, Original Hole				4	7,735.0		7,736.0		4/22/2024
		NIOBRARA, Original Hole				4	7,765.0		7,766.0		4/22/2024
		NIOBRARA, Original Hole				4	7,795.0		7,796.0		4/22/2024
		NIOBRARA, Original Hole				4	7,825.0		7,826.0		4/22/2024
		NIOBRARA, Original Hole				4	7,855.0		7,856.0		4/22/2024
		NIOBRARA, Original Hole				4	7,883.0		7,884.0		4/22/2024
		NIOBRARA, Original Hole				4	7,915.0		7,916.0		4/22/2024
		NIOBRARA, Original Hole				4	7,945.0		7,946.0		4/22/2024
		NIOBRARA, Original Hole				4	7,977.0		7,978.0		4/22/2024
		NIOBRARA, Original Hole				4	8,005.0		8,006.0		4/22/2024
		NIOBRARA, Original Hole				4	8,035.0		8,036.0		4/21/2024
		NIOBRARA, Original Hole				4	8,065.0		8,066.0		4/21/2024



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Original Hole [Land]		Perforation Data					
MD (ftKB)	Vertical schematic (actual)	Linked Zone	Explosive Type	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
6,710.6		NIOBRARA, Original Hole		4	8,095.0	8,096.0	4/21/2024
7,345.1		NIOBRARA, Original Hole		4	8,125.0	8,126.0	4/21/2024
7,585.0		NIOBRARA, Original Hole		4	8,155.0	8,156.0	4/21/2024
7,825.1		NIOBRARA, Original Hole		4	8,185.0	8,186.0	4/21/2024
8,065.0		NIOBRARA, Original Hole		4	8,215.0	8,216.0	4/21/2024
8,305.1		NIOBRARA, Original Hole		4	8,245.0	8,246.0	4/21/2024
8,544.9		NIOBRARA, Original Hole		4	8,275.0	8,276.0	4/21/2024
8,785.1		NIOBRARA, Original Hole		4	8,305.0	8,306.0	4/21/2024
9,024.9		NIOBRARA, Original Hole		4	8,335.0	8,336.0	4/21/2024
9,265.1		NIOBRARA, Original Hole		4	8,363.0	8,364.0	4/21/2024
9,504.9		NIOBRARA, Original Hole		4	8,395.0	8,396.0	4/21/2024
9,745.1		NIOBRARA, Original Hole		4	8,425.0	8,426.0	4/21/2024
9,984.9		NIOBRARA, Original Hole		4	8,456.0	8,457.0	4/21/2024
10,225.1		NIOBRARA, Original Hole		4	8,485.0	8,486.0	4/21/2024
10,464.9		NIOBRARA, Original Hole		4	8,515.0	8,516.0	4/21/2024
10,674.9		NIOBRARA, Original Hole		4	8,545.0	8,546.0	4/21/2024
10,917.0		NIOBRARA, Original Hole		4	8,575.0	8,576.0	4/21/2024
11,154.9		NIOBRARA, Original Hole		4	8,605.0	8,606.0	4/21/2024
11,395.0		NIOBRARA, Original Hole		4	8,635.0	8,636.0	4/21/2024
11,634.8		NIOBRARA, Original Hole		4	8,664.0	8,665.0	4/21/2024
11,877.0		NIOBRARA, Original Hole		4	8,695.0	8,696.0	4/21/2024
12,115.2		NIOBRARA, Original Hole		4	8,725.0	8,726.0	4/21/2024
12,355.0		NIOBRARA, Original Hole		4	8,757.0	8,758.0	4/21/2024
12,595.1		NIOBRARA, Original Hole		4	8,785.0	8,786.0	4/21/2024
12,835.0		NIOBRARA, Original Hole		4	8,815.0	8,816.0	4/21/2024
13,075.1		NIOBRARA, Original Hole		4	8,845.0	8,846.0	4/21/2024
13,315.0		NIOBRARA, Original Hole		4	8,875.0	8,876.0	4/21/2024
13,555.1		NIOBRARA, Original Hole		4	8,905.0	8,906.0	4/21/2024
13,795.9		NIOBRARA, Original Hole		4	8,935.0	8,936.0	4/21/2024
14,004.9		NIOBRARA, Original Hole		4	8,965.0	8,966.0	4/21/2024
14,245.1		NIOBRARA, Original Hole		4	8,995.0	8,996.0	4/21/2024
14,484.9		NIOBRARA, Original Hole		4	9,025.0	9,026.0	4/21/2024
14,725.1		NIOBRARA, Original Hole		4	9,055.0	9,056.0	4/21/2024
14,964.9		NIOBRARA, Original Hole		4	9,085.0	9,086.0	4/20/2024
15,205.1		NIOBRARA, Original Hole		4	9,115.0	9,116.0	4/20/2024
15,444.9		NIOBRARA, Original Hole		4	9,148.0	9,149.0	4/20/2024
15,685.0		NIOBRARA, Original Hole		4	9,175.0	9,176.0	4/20/2024
15,924.9		NIOBRARA, Original Hole		4	9,205.0	9,206.0	4/20/2024
16,165.0		NIOBRARA, Original Hole		4	9,235.0	9,236.0	4/20/2024
16,404.9		NIOBRARA, Original Hole		4	9,265.0	9,266.0	4/20/2024
16,645.0		NIOBRARA, Original Hole		4	9,295.0	9,296.0	4/20/2024
16,884.8		NIOBRARA, Original Hole		4	9,325.0	9,326.0	4/20/2024
17,086.6		NIOBRARA, Original Hole		4	9,355.0	9,356.0	4/20/2024
		NIOBRARA, Original Hole		4	9,385.0	9,386.0	4/20/2024
		NIOBRARA, Original Hole		4	9,415.0	9,416.0	4/20/2024
		NIOBRARA, Original Hole		4	9,445.0	9,446.0	4/20/2024
		NIOBRARA, Original Hole		4	9,475.0	9,476.0	4/20/2024
		NIOBRARA, Original Hole		4	9,505.0	9,506.0	4/20/2024
		NIOBRARA, Original Hole		4	9,535.0	9,536.0	4/20/2024
		NIOBRARA, Original Hole		4	9,565.0	9,566.0	4/20/2024
		NIOBRARA, Original Hole		4	9,595.0	9,596.0	4/20/2024
		NIOBRARA, Original Hole		4	9,624.0	9,625.0	4/20/2024
		NIOBRARA, Original Hole		4	9,655.0	9,656.0	4/20/2024
		NIOBRARA, Original Hole		4	9,685.0	9,686.0	4/20/2024
		NIOBRARA, Original Hole		4	9,718.0	9,719.0	4/19/2024
		NIOBRARA, Original Hole		4	9,745.0	9,746.0	4/19/2024
		NIOBRARA, Original Hole		4	9,775.0	9,776.0	4/19/2024
		NIOBRARA, Original Hole		4	9,805.0	9,806.0	4/19/2024
		NIOBRARA, Original Hole		4	9,835.0	9,836.0	4/19/2024
		NIOBRARA, Original Hole		4	9,865.0	9,866.0	4/19/2024



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MD (ftKB)	Vertical schematic (actual)	Linked Zone	Explosive Type	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
6,710.6		NIOBRARA, Original Hole		4	9,895.0	9,896.0	4/19/2024
7,345.1		NIOBRARA, Original Hole		4	9,925.0	9,926.0	4/19/2024
7,585.0		NIOBRARA, Original Hole		4	9,955.0	9,956.0	4/19/2024
7,825.1		NIOBRARA, Original Hole		4	9,985.0	9,986.0	4/19/2024
8,065.0		NIOBRARA, Original Hole		4	10,015.0	10,016.0	4/19/2024
8,305.1		NIOBRARA, Original Hole		4	10,045.0	10,046.0	4/19/2024
8,544.9		NIOBRARA, Original Hole		4	10,075.0	10,076.0	4/19/2024
8,785.1		NIOBRARA, Original Hole		4	10,104.0	10,105.0	4/19/2024
9,024.9		NIOBRARA, Original Hole		4	10,135.0	10,136.0	4/19/2024
9,265.1		NIOBRARA, Original Hole		4	10,165.0	10,166.0	4/19/2024
9,504.9		NIOBRARA, Original Hole		4	10,197.0	10,198.0	4/19/2024
9,745.1		NIOBRARA, Original Hole		4	10,225.0	10,226.0	4/19/2024
9,984.9		NIOBRARA, Original Hole		4	10,255.0	10,256.0	4/19/2024
10,225.1		NIOBRARA, Original Hole		4	10,285.0	10,286.0	4/19/2024
10,464.9		NIOBRARA, Original Hole		4	10,315.0	10,316.0	4/19/2024
10,674.9		NIOBRARA, Original Hole		4	10,345.0	10,346.0	4/19/2024
10,917.0		NIOBRARA, Original Hole		4	10,375.0	10,376.0	4/19/2024
11,154.9		NIOBRARA, Original Hole		4	10,405.0	10,406.0	4/19/2024
11,395.0		NIOBRARA, Original Hole		4	10,435.0	10,436.0	4/19/2024
11,634.8		NIOBRARA, Original Hole		4	10,465.0	10,466.0	4/19/2024
11,877.0		NIOBRARA, Original Hole		4	10,495.0	10,496.0	4/19/2024
12,115.2		NIOBRARA, Original Hole		4	10,525.0	10,526.0	4/19/2024
12,355.0		NIOBRARA, Original Hole		4	10,555.0	10,556.0	4/19/2024
12,595.1		NIOBRARA, Original Hole		4	10,584.0	10,585.0	4/19/2024
12,835.0		NIOBRARA, Original Hole		4	10,615.0	10,616.0	4/19/2024
13,075.1		NIOBRARA, Original Hole		4	10,645.0	10,646.0	4/19/2024
13,315.0		NIOBRARA, Original Hole		4	10,675.0	10,676.0	4/19/2024
13,555.1		NIOBRARA, Original Hole		4	10,705.0	10,706.0	4/19/2024
13,795.9		NIOBRARA, Original Hole		4	10,735.0	10,736.0	4/19/2024
14,004.9		NIOBRARA, Original Hole		4	10,765.0	10,766.0	4/18/2024
14,245.1		NIOBRARA, Original Hole		4	10,795.0	10,796.0	4/18/2024
14,484.9		NIOBRARA, Original Hole		4	10,824.0	10,825.0	4/18/2024
14,725.1		NIOBRARA, Original Hole		4	10,855.0	10,856.0	4/18/2024
14,964.9		NIOBRARA, Original Hole		4	10,885.0	10,886.0	4/18/2024
15,205.1		NIOBRARA, Original Hole		4	10,917.0	10,918.0	4/18/2024
15,444.9		NIOBRARA, Original Hole		4	10,945.0	10,946.0	4/18/2024
15,685.0		NIOBRARA, Original Hole		4	10,975.0	10,976.0	4/18/2024
15,924.9		NIOBRARA, Original Hole		4	11,005.0	11,006.0	4/18/2024
16,165.0		NIOBRARA, Original Hole		4	11,035.0	11,036.0	4/18/2024
16,404.9		NIOBRARA, Original Hole		4	11,065.0	11,066.0	4/18/2024
16,645.0		NIOBRARA, Original Hole		4	11,095.0	11,096.0	4/18/2024
16,884.8		NIOBRARA, Original Hole		4	11,125.0	11,126.0	4/18/2024
17,086.6		NIOBRARA, Original Hole		4	11,155.0	11,156.0	4/18/2024
		NIOBRARA, Original Hole		4	11,185.0	11,186.0	4/18/2024
		NIOBRARA, Original Hole		4	11,215.0	11,216.0	4/18/2024
		NIOBRARA, Original Hole		4	11,245.0	11,246.0	4/18/2024
		NIOBRARA, Original Hole		4	11,275.0	11,276.0	4/18/2024
		NIOBRARA, Original Hole		4	11,308.0	11,309.0	4/18/2024
		NIOBRARA, Original Hole		4	11,335.0	11,336.0	4/18/2024
		NIOBRARA, Original Hole		4	11,365.0	11,366.0	4/18/2024
		NIOBRARA, Original Hole		4	11,395.0	11,396.0	4/18/2024
		NIOBRARA, Original Hole		4	11,425.0	11,426.0	4/18/2024
		NIOBRARA, Original Hole		4	11,455.0	11,456.0	4/18/2024
		NIOBRARA, Original Hole		4	11,485.0	11,486.0	4/18/2024
		NIOBRARA, Original Hole		4	11,515.0	11,516.0	4/18/2024
		NIOBRARA, Original Hole		4	11,545.0	11,546.0	4/18/2024
		NIOBRARA, Original Hole		4	11,575.0	11,576.0	4/18/2024
		NIOBRARA, Original Hole		4	11,605.0	11,606.0	4/18/2024
		NIOBRARA, Original Hole		4	11,635.0	11,636.0	4/18/2024
		NIOBRARA, Original Hole		4	11,665.0	11,666.0	4/18/2024





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Original Hole [Land]		Perforation Data					
MD (ftKB)	Vertical schematic (actual)	Linked Zone	Explosive Type	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
6,710.6		NIOBRARA, Original Hole		4	11,695.0	11,696.0	4/18/2024
7,345.1		NIOBRARA, Original Hole		4	11,725.0	11,726.0	4/18/2024
7,585.0		NIOBRARA, Original Hole		4	11,755.0	11,756.0	4/18/2024
7,825.1		NIOBRARA, Original Hole		4	11,782.0	11,783.0	4/18/2024
8,065.0		NIOBRARA, Original Hole		4	11,815.0	11,816.0	4/18/2024
8,305.1		NIOBRARA, Original Hole		4	11,845.0	11,846.0	4/18/2024
8,544.9		NIOBRARA, Original Hole		4	11,877.0	11,878.0	4/18/2024
8,785.1		NIOBRARA, Original Hole		4	11,905.0	11,906.0	4/18/2024
9,024.9		NIOBRARA, Original Hole		4	11,935.0	11,936.0	4/18/2024
9,265.1		NIOBRARA, Original Hole		4	11,965.0	11,966.0	4/18/2024
9,504.9		NIOBRARA, Original Hole		4	11,995.0	11,996.0	4/18/2024
9,745.1		NIOBRARA, Original Hole		4	12,025.0	12,026.0	4/17/2024
9,984.9		NIOBRARA, Original Hole		4	12,055.0	12,056.0	4/17/2024
10,225.1		NIOBRARA, Original Hole		4	12,085.0	12,086.0	4/17/2024
10,464.9		NIOBRARA, Original Hole		4	12,115.0	12,116.0	4/17/2024
10,674.9		NIOBRARA, Original Hole		4	12,145.0	12,146.0	4/17/2024
10,917.0		NIOBRARA, Original Hole		4	12,175.0	12,176.0	4/17/2024
11,154.9		NIOBRARA, Original Hole		4	12,205.0	12,206.0	4/17/2024
11,395.0		NIOBRARA, Original Hole		4	12,235.0	12,236.0	4/17/2024
11,634.8		NIOBRARA, Original Hole		4	12,263.0	12,264.0	4/17/2024
11,877.0		NIOBRARA, Original Hole		4	12,295.0	12,296.0	4/17/2024
12,115.2		NIOBRARA, Original Hole		4	12,325.0	12,326.0	4/17/2024
12,355.0		NIOBRARA, Original Hole		4	12,355.0	12,356.0	4/17/2024
12,595.1		NIOBRARA, Original Hole		4	12,385.0	12,386.0	4/17/2024
12,835.0		NIOBRARA, Original Hole		4	12,415.0	12,416.0	4/17/2024
13,075.1		NIOBRARA, Original Hole		4	12,445.0	12,446.0	4/17/2024
13,315.0		NIOBRARA, Original Hole		4	12,475.0	12,476.0	4/17/2024
13,555.1		NIOBRARA, Original Hole		4	12,505.0	12,506.0	4/17/2024
13,795.9		NIOBRARA, Original Hole		4	12,535.0	12,536.0	4/17/2024
14,004.9		NIOBRARA, Original Hole		4	12,565.0	12,566.0	4/17/2024
14,245.1		NIOBRARA, Original Hole		4	12,595.0	12,596.0	4/17/2024
14,484.9		NIOBRARA, Original Hole		4	12,625.0	12,626.0	4/17/2024
14,725.1		NIOBRARA, Original Hole		4	12,658.0	12,659.0	4/17/2024
14,964.9		NIOBRARA, Original Hole		4	12,685.0	12,686.0	4/17/2024
15,205.1		NIOBRARA, Original Hole		4	12,715.0	12,716.0	4/17/2024
15,444.9		NIOBRARA, Original Hole		4	12,745.0	12,746.0	4/17/2024
15,685.0		NIOBRARA, Original Hole		4	12,775.0	12,776.0	4/17/2024
15,924.9		NIOBRARA, Original Hole		4	12,805.0	12,806.0	4/17/2024
16,165.0		NIOBRARA, Original Hole		4	12,835.0	12,836.0	4/17/2024
16,404.9		NIOBRARA, Original Hole		4	12,865.0	12,866.0	4/16/2024
16,645.0		NIOBRARA, Original Hole		4	12,895.0	12,896.0	4/16/2024
16,884.8		NIOBRARA, Original Hole		4	12,925.0	12,926.0	4/16/2024
17,086.6		NIOBRARA, Original Hole		4	12,955.0	12,956.0	4/16/2024
		NIOBRARA, Original Hole		4	12,985.0	12,986.0	4/16/2024
		NIOBRARA, Original Hole		4	13,014.0	13,015.0	4/16/2024
		NIOBRARA, Original Hole		4	13,044.0	13,045.0	4/16/2024
		NIOBRARA, Original Hole		4	13,075.0	13,076.0	4/16/2024
		NIOBRARA, Original Hole		4	13,105.0	13,106.0	4/16/2024
		NIOBRARA, Original Hole		4	13,132.0	13,133.0	4/16/2024
		NIOBRARA, Original Hole		4	13,165.0	13,166.0	4/16/2024
		NIOBRARA, Original Hole		4	13,195.0	13,196.0	4/16/2024
		NIOBRARA, Original Hole		4	13,226.0	13,227.0	4/16/2024
		NIOBRARA, Original Hole		4	13,255.0	13,256.0	4/16/2024
		NIOBRARA, Original Hole		4	13,285.0	13,286.0	4/16/2024
		NIOBRARA, Original Hole		4	13,315.0	13,316.0	4/16/2024
		NIOBRARA, Original Hole		4	13,345.0	13,346.0	4/16/2024
		NIOBRARA, Original Hole		4	13,375.0	13,376.0	4/16/2024
		NIOBRARA, Original Hole		4	13,405.0	13,406.0	4/16/2024
		NIOBRARA, Original Hole		4	13,435.0	13,436.0	4/16/2024
		NIOBRARA, Original Hole		4	13,465.0	13,466.0	4/16/2024



# P&A Wellbore For State

Well Name: GUTTERSEN C28-735

Original Hole [Land]		Perforation Data					
MD (ftKB)	Vertical schematic (actual)	Linked Zone	Explosive Type	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
6,710.6		NIOBRARA, Original Hole		4	13,495.0	13,496.0	4/16/2024
7,345.1		NIOBRARA, Original Hole		4	13,525.0	13,526.0	4/16/2024
7,585.0		NIOBRARA, Original Hole		4	13,555.0	13,556.0	4/16/2024
7,825.1		NIOBRARA, Original Hole		4	13,585.0	13,586.0	4/16/2024
8,065.0		NIOBRARA, Original Hole		4	13,614.0	13,615.0	4/16/2024
8,305.1		NIOBRARA, Original Hole		4	13,645.0	13,646.0	4/16/2024
8,544.9		NIOBRARA, Original Hole		4	13,675.0	13,676.0	4/16/2024
8,785.1		NIOBRARA, Original Hole		4	13,708.0	13,709.0	4/16/2024
9,024.9		NIOBRARA, Original Hole		4	13,735.0	13,736.0	4/16/2024
9,265.1		NIOBRARA, Original Hole		4	13,765.0	13,766.0	4/16/2024
9,504.9		NIOBRARA, Original Hole		4	13,796.0	13,797.0	4/16/2024
9,745.1		NIOBRARA, Original Hole		4	13,825.0	13,826.0	4/16/2024
9,984.9		NIOBRARA, Original Hole		4	13,855.0	13,856.0	4/16/2024
10,225.1		NIOBRARA, Original Hole		4	13,885.0	13,886.0	4/16/2024
10,464.9		NIOBRARA, Original Hole		4	13,915.0	13,916.0	4/15/2024
10,674.9		NIOBRARA, Original Hole		4	13,945.0	13,946.0	4/15/2024
10,917.0		NIOBRARA, Original Hole		4	13,978.0	13,979.0	4/15/2024
11,154.9		NIOBRARA, Original Hole		4	14,005.0	14,006.0	4/15/2024
11,395.0		NIOBRARA, Original Hole		4	14,035.0	14,036.0	4/15/2024
11,634.8		NIOBRARA, Original Hole		4	14,066.0	14,067.0	4/15/2024
11,877.0		NIOBRARA, Original Hole		4	14,095.0	14,096.0	4/15/2024
12,115.2		NIOBRARA, Original Hole		4	14,125.0	14,126.0	4/15/2024
12,355.0		NIOBRARA, Original Hole		4	14,155.0	14,156.0	4/15/2024
12,595.1		NIOBRARA, Original Hole		4	14,185.0	14,186.0	4/15/2024
12,835.0		NIOBRARA, Original Hole		4	14,215.0	14,216.0	4/15/2024
13,075.1		NIOBRARA, Original Hole		4	14,245.0	14,246.0	4/15/2024
13,315.0		NIOBRARA, Original Hole		4	14,275.0	14,276.0	4/15/2024
13,555.1		NIOBRARA, Original Hole		4	14,305.0	14,306.0	4/15/2024
13,795.9		NIOBRARA, Original Hole		4	14,335.0	14,336.0	4/15/2024
14,004.9		NIOBRARA, Original Hole		4	14,365.0	14,366.0	4/15/2024
14,245.1		NIOBRARA, Original Hole		4	14,395.0	14,396.0	4/15/2024
14,484.9		NIOBRARA, Original Hole		4	14,425.0	14,426.0	4/15/2024
14,725.1		NIOBRARA, Original Hole		4	14,453.0	14,454.0	4/15/2024
14,964.9		NIOBRARA, Original Hole		4	14,485.0	14,486.0	4/15/2024
15,205.1		NIOBRARA, Original Hole		4	14,515.0	14,516.0	4/15/2024
15,444.9		NIOBRARA, Original Hole		4	14,546.0	14,547.0	4/14/2024
15,685.0		NIOBRARA, Original Hole		4	14,575.0	14,576.0	4/14/2024
15,924.9		NIOBRARA, Original Hole		4	14,605.0	14,606.0	4/14/2024
16,165.0		NIOBRARA, Original Hole		4	14,635.0	14,636.0	4/14/2024
16,404.9		NIOBRARA, Original Hole		4	14,665.0	14,666.0	4/14/2024
16,645.0		NIOBRARA, Original Hole		4	14,695.0	14,696.0	4/14/2024
16,884.8		NIOBRARA, Original Hole		4	14,725.0	14,726.0	4/14/2024
17,086.6		NIOBRARA, Original Hole		4	14,755.0	14,756.0	4/14/2024
		NIOBRARA, Original Hole		4	14,785.0	14,786.0	4/14/2024
		NIOBRARA, Original Hole		4	14,815.0	14,816.0	4/14/2024
		NIOBRARA, Original Hole		4	14,844.0	14,845.0	4/14/2024
		NIOBRARA, Original Hole		4	14,875.0	14,876.0	4/14/2024
		NIOBRARA, Original Hole		4	14,905.0	14,906.0	4/14/2024
		NIOBRARA, Original Hole		4	14,931.0	14,932.0	4/14/2024
		NIOBRARA, Original Hole		4	14,965.0	14,966.0	4/13/2024
		NIOBRARA, Original Hole		4	14,995.0	14,996.0	4/13/2024
		NIOBRARA, Original Hole		4	15,025.0	15,026.0	4/13/2024
		NIOBRARA, Original Hole		4	15,055.0	15,056.0	4/13/2024
		NIOBRARA, Original Hole		4	15,085.0	15,086.0	4/13/2024
		NIOBRARA, Original Hole		4	15,115.0	15,116.0	4/13/2024
		NIOBRARA, Original Hole		4	15,145.0	15,146.0	4/13/2024
		NIOBRARA, Original Hole		4	15,175.0	15,176.0	4/13/2024
		NIOBRARA, Original Hole		4	15,205.0	15,206.0	4/13/2024
		NIOBRARA, Original Hole		4	15,235.0	15,236.0	4/13/2024
		NIOBRARA, Original Hole		4	15,265.0	15,266.0	4/13/2024



# P&A Wellbore For State

Well Name: GUTTERSEN C28-735

Original Hole [Land]		Perforation Data					
MD (ftKB)	Vertical schematic (actual)	Linked Zone	Explosive Type	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
6,710.6		NIOBRARA, Original Hole		4	15,295.0	15,296.0	4/13/2024
7,345.1		NIOBRARA, Original Hole		4	15,325.0	15,326.0	4/13/2024
7,585.0		NIOBRARA, Original Hole		4	15,355.0	15,356.0	4/13/2024
7,825.1		NIOBRARA, Original Hole		4	15,385.0	15,386.0	4/13/2024
8,065.0		NIOBRARA, Original Hole		4	15,411.0	15,412.0	4/13/2024
8,305.1		NIOBRARA, Original Hole		4	15,445.0	15,446.0	4/13/2024
8,544.9		NIOBRARA, Original Hole		4	15,475.0	15,476.0	4/13/2024
8,785.1		NIOBRARA, Original Hole		4	15,505.0	15,506.0	4/13/2024
9,024.9		NIOBRARA, Original Hole		4	15,535.0	15,536.0	4/13/2024
9,265.1		NIOBRARA, Original Hole		4	15,565.0	15,566.0	4/13/2024
9,504.9		NIOBRARA, Original Hole		4	15,595.0	15,596.0	4/13/2024
9,745.1		NIOBRARA, Original Hole		4	15,625.0	15,626.0	4/13/2024
9,984.9		NIOBRARA, Original Hole		4	15,655.0	15,656.0	4/13/2024
10,225.1		NIOBRARA, Original Hole		4	15,685.0	15,686.0	4/13/2024
10,464.9		NIOBRARA, Original Hole		4	15,715.0	15,716.0	4/13/2024
10,674.9		NIOBRARA, Original Hole		4	15,745.0	15,746.0	4/13/2024
10,917.0		NIOBRARA, Original Hole		4	15,775.0	15,776.0	4/13/2024
11,154.9		NIOBRARA, Original Hole		4	15,807.0	15,808.0	4/13/2024
11,395.0		NIOBRARA, Original Hole		4	15,835.0	15,836.0	4/13/2024
11,634.8		NIOBRARA, Original Hole		4	15,865.0	15,866.0	4/13/2024
11,877.0		NIOBRARA, Original Hole		4	15,895.0	15,896.0	4/13/2024
12,115.2		NIOBRARA, Original Hole		4	15,925.0	15,926.0	4/13/2024
12,355.0		NIOBRARA, Original Hole		4	15,955.0	15,956.0	4/13/2024
12,595.1		NIOBRARA, Original Hole		4	15,985.0	15,986.0	4/13/2024
12,835.0		NIOBRARA, Original Hole		4	16,015.0	16,016.0	4/13/2024
13,075.1		NIOBRARA, Original Hole		4	16,045.0	16,046.0	4/13/2024
13,315.0		NIOBRARA, Original Hole		4	16,075.0	16,076.0	4/13/2024
13,555.1		NIOBRARA, Original Hole		4	16,105.0	16,106.0	4/13/2024
13,795.9		NIOBRARA, Original Hole		4	16,135.0	16,136.0	4/13/2024
14,004.9		NIOBRARA, Original Hole		4	16,165.0	16,166.0	4/13/2024
14,245.1		NIOBRARA, Original Hole		4	16,192.0	16,193.0	4/13/2024
14,484.9		NIOBRARA, Original Hole		4	16,225.0	16,226.0	4/12/2024
14,725.1		NIOBRARA, Original Hole		4	16,255.0	16,256.0	4/12/2024
14,964.9		NIOBRARA, Original Hole		4	16,285.0	16,286.0	4/12/2024
15,205.1		NIOBRARA, Original Hole		4	16,315.0	16,316.0	4/12/2024
15,444.9		NIOBRARA, Original Hole		4	16,345.0	16,346.0	4/12/2024
15,685.0		NIOBRARA, Original Hole		4	16,375.0	16,376.0	4/12/2024
15,924.9		NIOBRARA, Original Hole		4	16,405.0	16,406.0	4/12/2024
16,165.0		NIOBRARA, Original Hole		4	16,435.0	16,436.0	4/12/2024
16,404.9		NIOBRARA, Original Hole		4	16,465.0	16,466.0	4/12/2024
16,645.0		NIOBRARA, Original Hole		4	16,495.0	16,496.0	4/12/2024
16,884.8		NIOBRARA, Original Hole		4	16,525.0	16,526.0	4/12/2024
17,086.6		NIOBRARA, Original Hole		4	16,555.0	16,556.0	4/12/2024
		NIOBRARA, Original Hole		4	16,583.0	16,584.0	4/12/2024
		NIOBRARA, Original Hole		4	16,615.0	16,616.0	4/12/2024
		NIOBRARA, Original Hole		4	16,645.0	16,646.0	4/12/2024
		NIOBRARA, Original Hole		4	16,675.0	16,676.0	4/12/2024
		NIOBRARA, Original Hole		4	16,705.0	16,706.0	4/12/2024
		NIOBRARA, Original Hole		4	16,735.0	16,736.0	4/12/2024
		NIOBRARA, Original Hole		4	16,765.0	16,766.0	4/12/2024
		NIOBRARA, Original Hole		4	16,795.0	16,796.0	4/12/2024
		NIOBRARA, Original Hole		4	16,825.0	16,826.0	4/12/2024
		NIOBRARA, Original Hole		4	16,855.0	16,856.0	3/3/2024
		NIOBRARA, Original Hole		4	16,885.0	16,886.0	3/3/2024
		NIOBRARA, Original Hole		4	16,915.0	16,916.0	3/3/2024
		NIOBRARA, Original Hole		4	16,945.0	16,946.0	3/3/2024
		NIOBRARA, Original Hole		4	16,975.0	16,976.0	3/3/2024
		NIOBRARA, Original Hole		4	17,005.0	17,006.0	3/3/2024
		NIOBRARA, Original Hole		4	17,035.0	17,036.0	3/3/2024





# P&A Wellbore For State

Well Name: GUTTERSEN C28-735

Original Hole [Land]		Stim/Frac Stage				
MD (ftKB)	Vertical schematic (actual)	Zone	Start Date	Top (ftKB)	Btm (ftKB)	
		NIOBRARA, Original Hole	4/22/2024	7,195.0	7,376.0	
6,710.6		NIOBRARA, Original Hole	4/22/2024	7,405.0	7,585.0	
7,345.1		NIOBRARA, Original Hole	4/22/2024	7,615.0	7,795.0	
7,585.0		NIOBRARA, Original Hole	4/22/2024	7,825.0	8,006.0	
7,825.1		NIOBRARA, Original Hole	4/21/2024	8,035.0	8,216.0	
8,065.0		NIOBRARA, Original Hole	4/21/2024	8,245.0	8,426.0	
8,305.1		NIOBRARA, Original Hole	4/21/2024	8,456.0	8,636.0	
8,544.9		NIOBRARA, Original Hole	4/21/2024	8,664.0	8,846.0	
8,785.1		NIOBRARA, Original Hole	4/21/2024	8,875.0	9,056.0	
9,024.9		NIOBRARA, Original Hole	4/20/2024	9,085.0	9,266.0	
9,265.1		NIOBRARA, Original Hole	4/20/2024	9,295.0	9,476.0	
9,504.9		NIOBRARA, Original Hole	4/20/2024	9,505.0	9,686.0	
9,745.1		NIOBRARA, Original Hole	4/20/2024	9,718.0	9,896.0	
9,984.9		NIOBRARA, Original Hole	4/20/2024	9,925.0	10,105.0	
10,225.1		NIOBRARA, Original Hole	4/19/2024	9,925.0	10,105.0	
10,464.9		NIOBRARA, Original Hole	4/19/2024	10,135.0	10,316.0	
10,674.9		NIOBRARA, Original Hole	4/19/2024	10,345.0	10,526.0	
10,917.0		NIOBRARA, Original Hole	4/19/2024	10,555.0	10,736.0	
11,154.9		NIOBRARA, Original Hole	4/18/2024	10,765.0	10,946.0	
11,395.0		NIOBRARA, Original Hole	4/18/2024	10,975.0	11,156.0	
11,634.8		NIOBRARA, Original Hole	4/18/2024	11,185.0	11,366.0	
11,877.0		NIOBRARA, Original Hole	4/18/2024	11,395.0	11,576.0	
12,115.2		NIOBRARA, Original Hole	4/18/2024	11,605.0	11,783.0	
12,355.0		NIOBRARA, Original Hole	4/18/2024	11,815.0	11,996.0	
12,595.1		NIOBRARA, Original Hole	4/17/2024	12,025.0	12,206.0	
12,835.0		NIOBRARA, Original Hole	4/17/2024	12,235.0	12,416.0	
13,075.1		NIOBRARA, Original Hole	4/17/2024	12,445.0	12,626.0	
13,315.0		NIOBRARA, Original Hole	4/17/2024	12,658.0	12,836.0	
13,555.1		NIOBRARA, Original Hole	4/17/2024	12,865.0	13,045.0	
13,795.9		NIOBRARA, Original Hole	4/16/2024	13,075.0	13,256.0	
14,004.9		NIOBRARA, Original Hole	4/16/2024	13,285.0	13,466.0	
14,245.1		NIOBRARA, Original Hole	4/16/2024	13,495.0	13,676.0	
14,484.9		NIOBRARA, Original Hole	4/16/2024	13,708.0	13,886.0	
14,725.1		NIOBRARA, Original Hole	4/15/2024	13,915.0	14,096.0	
14,964.9		NIOBRARA, Original Hole	4/15/2024	14,125.0	14,306.0	
15,205.1		NIOBRARA, Original Hole	4/15/2024	14,335.0	14,516.0	
15,444.9		NIOBRARA, Original Hole	4/14/2024	14,546.0	14,726.0	
15,685.0		NIOBRARA, Original Hole	4/14/2024	14,755.0	14,932.0	
15,924.9		NIOBRARA, Original Hole	4/14/2024	14,965.0	15,146.0	
16,165.0		NIOBRARA, Original Hole	4/13/2024	15,175.0	15,356.0	
16,404.9		NIOBRARA, Original Hole	4/13/2024	15,385.0	15,566.0	
16,645.0		NIOBRARA, Original Hole	4/13/2024	15,595.0	15,776.0	
16,884.8		NIOBRARA, Original Hole	4/13/2024	15,807.0	15,986.0	
17,086.6	NIOBRARA, Original Hole	4/13/2024	16,015.0	16,193.0		
		NIOBRARA, Original Hole	4/12/2024	16,225.0	16,406.0	
		NIOBRARA, Original Hole	4/12/2024	16,435.0	16,616.0	
		NIOBRARA, Original Hole	4/12/2024	16,645.0	16,826.0	
		NIOBRARA, Original Hole	4/11/2024	16,855.0	17,035.0	
Other In Hole						
Run Date		Des	Make	OD (in)	Top (ftKB)	Btm (ftKB)
Logs						
Date		Type	Depth Top (MD) (ftKB)		Btm (ftKB)	
11/5/2022		MWD	93		71,115.0	
12/20/2022		CBL/VDL/GR/CCL	29		7,084.0	
Wellbore Plug Back Total Depths						
Date		Type	Com		PBTD (ftKB)	
11/18/2022		Float Collar	Float Collar		17,097	