



# P&A Wellbore For State

Well Name: GUTTERSEN C28-745

Original Hole [Land]		Well Header									
MD (ftK B)	Vertical schematic (actual)	Surface UWI 0512348931			Business Unit Rockies		Gov Auth Dist		Prod Tree Loc Land		
		Orig. KB to Gnd (ft) 29.00		Original Spud Date 11/4/2022		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 (°) 40.26262418 8		Longitude (°) -104.552798981	
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		1,937.0				
PRODUCTION			8 1/2		1,937.0		17,131.0				
Casing Strings											
Csg Des		Run Date		OD (in)	Wt/Len (lb/ft)	Grade	Top Depth (MD) (ftKB)	Set Depth (MD) (ftKB)			
Conductor		8/24/2022		26	125.00	X-56	29	109			
Surface		11/4/2022		9 5/8	36.00	J-55	29	1926.5			
Production Casing		11/12/2022		5 1/2	17.00	P-110	29	17118.8			
Cement											
Des				Start Date		Top (ftKB)		Btm (ftKB)			
Conductor Cement				8/24/2022		29.0		109.0			
Surface cement job				11/5/2022		29.0		1,926.5			
Production Casing Cement				11/13/2022		1,040.0		17,057.5			
Zone Statuses											
Zone Name		Status Date	Status	Fluid Type	Job			Prod Method			
NIOBRARA		5/17/2024	Open	Gas	Complete, 12/18/2022 09:00			Naturally Flowing			
NIOBRARA		5/17/2024	Open	Oil	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	7,420.0		7,421.0		4/22/2024		
NIOBRARA, Original Hole				4	7,450.0		7,451.0		4/22/2024		
NIOBRARA, Original Hole				4	7,480.0		7,481.0		4/22/2024		
NIOBRARA, Original Hole				4	7,510.0		7,511.0		4/22/2024		
NIOBRARA, Original Hole				4	7,540.0		7,541.0		4/22/2024		
NIOBRARA, Original Hole				4	7,570.0		7,571.0		4/22/2024		
NIOBRARA, Original Hole				4	7,600.0		7,601.0		4/22/2024		
NIOBRARA, Original Hole				4	7,634.0		7,635.0		4/22/2024		
NIOBRARA, Original Hole				4	7,660.0		7,661.0		4/22/2024		
NIOBRARA, Original Hole				4	7,690.0		7,691.0		4/22/2024		
NIOBRARA, Original Hole				4	7,721.0		7,722.0		4/22/2024		
NIOBRARA, Original Hole				4	7,750.0		7,751.0		4/22/2024		
NIOBRARA, Original Hole				4	7,780.0		7,781.0		4/22/2024		
NIOBRARA, Original Hole				4	7,810.0		7,811.0		4/22/2024		
NIOBRARA, Original Hole				4	7,840.0		7,841.0		4/22/2024		
NIOBRARA, Original Hole				4	7,870.0		7,871.0		4/22/2024		
NIOBRARA, Original Hole				4	7,900.0		7,901.0		4/22/2024		
NIOBRARA, Original Hole				4	7,930.0		7,931.0		4/22/2024		
NIOBRARA, Original Hole				4	7,960.0		7,961.0		4/22/2024		
NIOBRARA, Original Hole				4	7,990.0		7,991.0		4/22/2024		
NIOBRARA, Original Hole				4	8,020.0		8,021.0		4/22/2024		
NIOBRARA, Original Hole				4	8,050.0		8,051.0		4/22/2024		
NIOBRARA, Original Hole				4	8,080.0		8,081.0		4/22/2024		
NIOBRARA, Original Hole				4	8,108.0		8,109.0		4/22/2024		
NIOBRARA, Original Hole				4	8,140.0		8,141.0		4/22/2024		
NIOBRARA, Original Hole				4	8,170.0		8,171.0		4/22/2024		
NIOBRARA, Original Hole				4	8,202.0		8,203.0		4/22/2024		
NIOBRARA, Original Hole				4	8,230.0		8,231.0		4/22/2024		
NIOBRARA, Original Hole				4	8,260.0		8,261.0		4/21/2024		
NIOBRARA, Original Hole				4	8,290.0		8,291.0		4/21/2024		



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Well Name: GUTTERSEN C28-745

Original Hole [Land]		Perforation Data					
MD (ftK B)	Vertical schematic (actual)	Linked Zone	Explosive Type	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
-19.1		NIOBRARA, Original Hole		4	8,320.0	8,321.0	4/21/2024
-15.0		NIOBRARA, Original Hole		4	8,350.0	8,351.0	4/21/2024
-10.9		NIOBRARA, Original Hole		4	8,380.0	8,381.0	4/21/2024
-6.9		NIOBRARA, Original Hole		4	8,410.0	8,411.0	4/21/2024
-2.8		NIOBRARA, Original Hole		4	8,440.0	8,441.0	4/21/2024
1.926.5		NIOBRARA, Original Hole		4	8,470.0	8,471.0	4/21/2024
7.661.1		NIOBRARA, Original Hole		4	8,500.0	8,501.0	4/21/2024
8.108.9		NIOBRARA, Original Hole		4	8,530.0	8,531.0	4/21/2024
8.561.0		NIOBRARA, Original Hole		4	8,560.0	8,561.0	4/21/2024
9.011.2		NIOBRARA, Original Hole		4	8,590.0	8,591.0	4/21/2024
9.459.0		NIOBRARA, Original Hole		4	8,620.0	8,621.0	4/21/2024
9.911.1		NIOBRARA, Original Hole		4	8,650.0	8,651.0	4/21/2024
10.360.9		NIOBRARA, Original Hole		4	8,681.0	8,682.0	4/21/2024
10.780.8		NIOBRARA, Original Hole		4	8,710.0	8,711.0	4/21/2024
11.231.0		NIOBRARA, Original Hole		4	8,740.0	8,741.0	4/21/2024
11.681.1		NIOBRARA, Original Hole		4	8,770.0	8,771.0	4/21/2024
12.130.9		NIOBRARA, Original Hole		4	8,800.0	8,801.0	4/21/2024
12.582.0		NIOBRARA, Original Hole		4	8,830.0	8,831.0	4/21/2024
13.032.2		NIOBRARA, Original Hole		4	8,860.0	8,861.0	4/21/2024
13.482.0		NIOBRARA, Original Hole		4	8,890.0	8,891.0	4/21/2024
13.901.9		NIOBRARA, Original Hole		4	8,920.0	8,921.0	4/21/2024
14.352.0		NIOBRARA, Original Hole		4	8,950.0	8,951.0	4/21/2024
14.801.8		NIOBRARA, Original Hole		4	8,981.0	8,982.0	4/21/2024
15.252.0		NIOBRARA, Original Hole		4	9,010.0	9,011.0	4/21/2024
15.701.1		NIOBRARA, Original Hole		4	9,040.0	9,041.0	4/21/2024
16.151.9		NIOBRARA, Original Hole		4	9,070.0	9,071.0	4/21/2024
16.602.0		NIOBRARA, Original Hole		4	9,100.0	9,101.0	4/21/2024
17.051.8		NIOBRARA, Original Hole		4	9,130.0	9,131.0	4/21/2024
		NIOBRARA, Original Hole		4	9,160.0	9,161.0	4/21/2024
		NIOBRARA, Original Hole		4	9,190.0	9,191.0	4/21/2024
		NIOBRARA, Original Hole		4	9,220.0	9,221.0	4/21/2024
		NIOBRARA, Original Hole		4	9,250.0	9,251.0	4/21/2024
		NIOBRARA, Original Hole		4	9,280.0	9,281.0	4/21/2024
		NIOBRARA, Original Hole		4	9,310.0	9,311.0	4/20/2024
		NIOBRARA, Original Hole		4	9,340.0	9,341.0	4/20/2024
		NIOBRARA, Original Hole		4	9,370.0	9,371.0	4/20/2024
		NIOBRARA, Original Hole		4	9,400.0	9,401.0	4/20/2024
		NIOBRARA, Original Hole		4	9,430.0	9,431.0	4/20/2024
		NIOBRARA, Original Hole		4	9,458.0	9,459.0	4/20/2024
		NIOBRARA, Original Hole		4	9,490.0	9,491.0	4/20/2024
		NIOBRARA, Original Hole		4	9,520.0	9,521.0	4/20/2024
		NIOBRARA, Original Hole		4	9,552.0	9,553.0	4/20/2024
		NIOBRARA, Original Hole		4	9,580.0	9,581.0	4/20/2024
		NIOBRARA, Original Hole		4	9,610.0	9,611.0	4/20/2024
		NIOBRARA, Original Hole		4	9,640.0	9,641.0	4/20/2024
		NIOBRARA, Original Hole		4	9,670.0	9,671.0	4/20/2024
		NIOBRARA, Original Hole		4	9,700.0	9,701.0	4/20/2024
		NIOBRARA, Original Hole		4	9,730.0	9,731.0	4/20/2024
		NIOBRARA, Original Hole		4	9,760.0	9,761.0	4/20/2024
		NIOBRARA, Original Hole		4	9,790.0	9,791.0	4/20/2024
		NIOBRARA, Original Hole		4	9,820.0	9,821.0	4/20/2024
		NIOBRARA, Original Hole		4	9,848.0	9,849.0	4/20/2024
		NIOBRARA, Original Hole		4	9,880.0	9,881.0	4/20/2024
		NIOBRARA, Original Hole		4	9,910.0	9,911.0	4/20/2024
		NIOBRARA, Original Hole		4	9,940.0	9,941.0	4/20/2024
		NIOBRARA, Original Hole		4	9,970.0	9,971.0	4/20/2024
		NIOBRARA, Original Hole		4	10,000.0	10,001.0	4/20/2024
		NIOBRARA, Original Hole		4	10,030.0	10,031.0	4/20/2024
		NIOBRARA, Original Hole		4	10,060.0	10,061.0	4/20/2024
		NIOBRARA, Original Hole		4	10,090.0	10,091.0	4/20/2024



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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
		NIOBRARA, Original Hole		4	10,120.0	10,121.0	4/20/2024
		NIOBRARA, Original Hole		4	10,150.0	10,151.0	4/19/2024
		NIOBRARA, Original Hole		4	10,180.0	10,181.0	4/19/2024
		NIOBRARA, Original Hole		4	10,210.0	10,211.0	4/19/2024
		NIOBRARA, Original Hole		4	10,239.0	10,240.0	4/19/2024
		NIOBRARA, Original Hole		4	10,270.0	10,271.0	4/19/2024
		NIOBRARA, Original Hole		4	10,300.0	10,301.0	4/19/2024
		NIOBRARA, Original Hole		4	10,327.0	10,328.0	4/19/2024
		NIOBRARA, Original Hole		4	10,360.0	10,361.0	4/19/2024
		NIOBRARA, Original Hole		4	10,390.0	10,391.0	4/19/2024
		NIOBRARA, Original Hole		4	10,420.0	10,421.0	4/19/2024
		NIOBRARA, Original Hole		4	10,450.0	10,451.0	4/19/2024
		NIOBRARA, Original Hole		4	10,480.0	10,481.0	4/19/2024
		NIOBRARA, Original Hole		4	10,510.0	10,511.0	4/19/2024
		NIOBRARA, Original Hole		4	10,540.0	10,541.0	4/19/2024
		NIOBRARA, Original Hole		4	10,570.0	10,571.0	4/19/2024
		NIOBRARA, Original Hole		4	10,600.0	10,601.0	4/19/2024
		NIOBRARA, Original Hole		4	10,630.0	10,631.0	4/19/2024
		NIOBRARA, Original Hole		4	10,661.0	10,662.0	4/19/2024
		NIOBRARA, Original Hole		4	10,690.0	10,691.0	4/19/2024
		NIOBRARA, Original Hole		4	10,720.0	10,721.0	4/19/2024
		NIOBRARA, Original Hole		4	10,750.0	10,751.0	4/19/2024
		NIOBRARA, Original Hole		4	10,780.0	10,781.0	4/19/2024
		NIOBRARA, Original Hole		4	10,810.0	10,811.0	4/19/2024
		NIOBRARA, Original Hole		4	10,840.0	10,841.0	4/19/2024
		NIOBRARA, Original Hole		4	10,870.0	10,871.0	4/19/2024
		NIOBRARA, Original Hole		4	10,900.0	10,901.0	4/19/2024
		NIOBRARA, Original Hole		4	10,930.0	10,931.0	4/19/2024
		NIOBRARA, Original Hole		4	10,959.0	10,960.0	4/19/2024
		NIOBRARA, Original Hole		4	10,990.0	10,991.0	4/18/2024
		NIOBRARA, Original Hole		4	11,020.0	11,021.0	4/18/2024
		NIOBRARA, Original Hole		4	11,052.0	11,053.0	4/18/2024
		NIOBRARA, Original Hole		4	11,080.0	11,081.0	4/18/2024
		NIOBRARA, Original Hole		4	11,110.0	11,111.0	4/18/2024
		NIOBRARA, Original Hole		4	11,140.0	11,141.0	4/18/2024
		NIOBRARA, Original Hole		4	11,170.0	11,171.0	4/18/2024
		NIOBRARA, Original Hole		4	11,200.0	11,201.0	4/18/2024
		NIOBRARA, Original Hole		4	11,230.0	11,231.0	4/18/2024
		NIOBRARA, Original Hole		4	11,260.0	11,261.0	4/18/2024
		NIOBRARA, Original Hole		4	11,290.0	11,291.0	4/18/2024
		NIOBRARA, Original Hole		4	11,320.0	11,321.0	4/18/2024
		NIOBRARA, Original Hole		4	11,350.0	11,351.0	4/18/2024
		NIOBRARA, Original Hole		4	11,380.0	11,381.0	4/18/2024
		NIOBRARA, Original Hole		4	11,410.0	11,411.0	4/18/2024
		NIOBRARA, Original Hole		4	11,438.0	11,439.0	4/18/2024
		NIOBRARA, Original Hole		4	11,470.0	11,471.0	4/18/2024
		NIOBRARA, Original Hole		4	11,500.0	11,501.0	4/18/2024
		NIOBRARA, Original Hole		4	11,532.0	11,533.0	4/18/2024
		NIOBRARA, Original Hole		4	11,560.0	11,561.0	4/18/2024
		NIOBRARA, Original Hole		4	11,590.0	11,591.0	4/18/2024
		NIOBRARA, Original Hole		4	11,620.0	11,621.0	4/18/2024
		NIOBRARA, Original Hole		4	11,650.0	11,651.0	4/18/2024
		NIOBRARA, Original Hole		4	11,680.0	11,681.0	4/18/2024
		NIOBRARA, Original Hole		4	11,710.0	11,711.0	4/18/2024
		NIOBRARA, Original Hole		4	11,740.0	11,741.0	4/18/2024
		NIOBRARA, Original Hole		4	11,770.0	11,771.0	4/18/2024
		NIOBRARA, Original Hole		4	11,800.0	11,801.0	4/18/2024
		NIOBRARA, Original Hole		4	11,830.0	11,831.0	4/18/2024
		NIOBRARA, Original Hole		4	11,860.0	11,861.0	4/18/2024
		NIOBRARA, Original Hole		4	11,890.0	11,891.0	4/18/2024



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Well Name: GUTTERSEN C28-745

Original Hole [Land]		Perforation Data					
MD (ftK B)	Vertical schematic (actual)	Linked Zone	Explosive Type	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
-19.1		NIOBRARA, Original Hole		4	11,917.0	11,918.0	4/18/2024
-15.0		NIOBRARA, Original Hole		4	11,950.0	11,951.0	4/18/2024
-10.9		NIOBRARA, Original Hole		4	11,980.0	11,981.0	4/18/2024
-6.9		NIOBRARA, Original Hole		4	12,010.0	12,011.0	4/18/2024
-2.8		NIOBRARA, Original Hole		4	12,040.0	12,041.0	4/18/2024
1.926.5		NIOBRARA, Original Hole		4	12,070.0	12,071.0	4/18/2024
7.661.1		NIOBRARA, Original Hole		4	12,100.0	12,101.0	4/18/2024
8.108.9		NIOBRARA, Original Hole		4	12,130.0	12,131.0	4/18/2024
8.561.0		NIOBRARA, Original Hole		4	12,160.0	12,161.0	4/18/2024
9.011.2		NIOBRARA, Original Hole		4	12,190.0	12,191.0	4/18/2024
9.459.0		NIOBRARA, Original Hole		4	12,219.0	12,220.0	4/18/2024
9.911.1		NIOBRARA, Original Hole		4	12,250.0	12,251.0	4/17/2024
10.360.9		NIOBRARA, Original Hole		4	12,281.0	12,282.0	4/17/2024
10.780.8		NIOBRARA, Original Hole		4	12,312.0	12,313.0	4/17/2024
11.231.0		NIOBRARA, Original Hole		4	12,341.0	12,342.0	4/17/2024
11.681.1		NIOBRARA, Original Hole		4	12,371.0	12,372.0	4/17/2024
12.130.9		NIOBRARA, Original Hole		4	12,401.0	12,402.0	4/17/2024
12.582.0		NIOBRARA, Original Hole		4	12,431.0	12,432.0	4/17/2024
13.032.2		NIOBRARA, Original Hole		4	12,461.0	12,462.0	4/17/2024
13.482.0		NIOBRARA, Original Hole		4	12,491.0	12,492.0	4/17/2024
13.901.9		NIOBRARA, Original Hole		4	12,521.0	12,522.0	4/17/2024
14.352.0		NIOBRARA, Original Hole		4	12,551.0	12,552.0	4/17/2024
14.801.8		NIOBRARA, Original Hole		4	12,581.0	12,582.0	4/17/2024
15.252.0		NIOBRARA, Original Hole		4	12,611.0	12,612.0	4/17/2024
15.701.1		NIOBRARA, Original Hole		4	12,641.0	12,642.0	4/17/2024
16.151.9		NIOBRARA, Original Hole		4	12,671.0	12,672.0	4/17/2024
16.602.0		NIOBRARA, Original Hole		4	12,698.0	12,699.0	4/17/2024
17.051.8		NIOBRARA, Original Hole		4	12,731.0	12,732.0	4/17/2024
		NIOBRARA, Original Hole		4	12,761.0	12,762.0	4/17/2024
		NIOBRARA, Original Hole		4	12,791.0	12,792.0	4/17/2024
		NIOBRARA, Original Hole		4	12,821.0	12,822.0	4/17/2024
		NIOBRARA, Original Hole		4	12,851.0	12,852.0	4/17/2024
		NIOBRARA, Original Hole		4	12,881.0	12,882.0	4/17/2024
		NIOBRARA, Original Hole		4	12,911.0	12,912.0	4/17/2024
		NIOBRARA, Original Hole		4	12,941.0	12,942.0	4/17/2024
		NIOBRARA, Original Hole		4	12,971.0	12,972.0	4/17/2024
		NIOBRARA, Original Hole		4	13,001.0	13,002.0	4/17/2024
		NIOBRARA, Original Hole		4	13,031.0	13,032.0	4/17/2024
		NIOBRARA, Original Hole		4	13,061.0	13,062.0	4/17/2024
		NIOBRARA, Original Hole		4	13,096.0	13,097.0	4/17/2024
		NIOBRARA, Original Hole		4	13,121.0	13,122.0	4/17/2024
		NIOBRARA, Original Hole		4	13,151.0	13,152.0	4/17/2024
		NIOBRARA, Original Hole		4	13,179.0	13,180.0	4/17/2024
		NIOBRARA, Original Hole		4	13,211.0	13,212.0	4/17/2024
		NIOBRARA, Original Hole		4	13,241.0	13,242.0	4/17/2024
		NIOBRARA, Original Hole		4	13,271.0	13,272.0	4/17/2024
		NIOBRARA, Original Hole		4	13,301.0	13,302.0	4/16/2024
		NIOBRARA, Original Hole		4	13,331.0	13,332.0	4/16/2024
		NIOBRARA, Original Hole		4	13,361.0	13,362.0	4/16/2024
		NIOBRARA, Original Hole		4	13,391.0	13,392.0	4/16/2024
		NIOBRARA, Original Hole		4	13,421.0	13,422.0	4/16/2024
		NIOBRARA, Original Hole		4	13,451.0	13,452.0	4/16/2024
		NIOBRARA, Original Hole		4	13,481.0	13,482.0	4/16/2024
		NIOBRARA, Original Hole		4	13,511.0	13,512.0	4/16/2024
		NIOBRARA, Original Hole		4	13,541.0	13,542.0	4/16/2024
		NIOBRARA, Original Hole		4	13,571.0	13,572.0	4/16/2024
		NIOBRARA, Original Hole		4	13,601.0	13,602.0	4/16/2024
		NIOBRARA, Original Hole		4	13,631.0	13,632.0	4/16/2024
		NIOBRARA, Original Hole		4	13,658.0	13,659.0	4/16/2024
		NIOBRARA, Original Hole		4	13,691.0	13,692.0	4/16/2024





# P&A Wellbore For State

Well Name: GUTTERSEN C28-745

Original Hole [Land]		Perforation Data					
MD (ftK B)	Vertical schematic (actual)	Linked Zone	Explosive Type	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
		NIOBRARA, Original Hole		4	13,721.0	13,722.0	4/16/2024
		NIOBRARA, Original Hole		4	13,752.0	13,753.0	4/16/2024
		NIOBRARA, Original Hole		4	13,781.0	13,782.0	4/16/2024
		NIOBRARA, Original Hole		4	13,811.0	13,812.0	4/16/2024
		NIOBRARA, Original Hole		4	13,841.0	13,842.0	4/16/2024
-19.1		NIOBRARA, Original Hole		4	13,871.0	13,872.0	4/16/2024
		NIOBRARA, Original Hole		4	13,901.0	13,902.0	4/16/2024
-15.0		NIOBRARA, Original Hole		4	13,934.0	13,935.0	4/16/2024
		NIOBRARA, Original Hole		4	13,961.0	13,962.0	4/16/2024
-10.9		NIOBRARA, Original Hole		4	13,991.0	13,992.0	4/16/2024
		NIOBRARA, Original Hole		4	14,021.0	14,022.0	4/16/2024
-6.9		NIOBRARA, Original Hole		4	14,051.0	14,052.0	4/16/2024
		NIOBRARA, Original Hole		4	14,081.0	14,082.0	4/16/2024
-2.8		NIOBRARA, Original Hole		4	14,111.0	14,112.0	4/16/2024
		NIOBRARA, Original Hole		4	14,141.0	14,142.0	4/15/2024
1.926.5		NIOBRARA, Original Hole		4	14,171.0	14,172.0	4/15/2024
		NIOBRARA, Original Hole		4	14,201.0	14,202.0	4/15/2024
7.661.1		NIOBRARA, Original Hole		4	14,230.0	14,231.0	4/15/2024
		NIOBRARA, Original Hole		4	14,261.0	14,262.0	4/15/2024
8.108.9		NIOBRARA, Original Hole		4	14,291.0	14,292.0	4/15/2024
		NIOBRARA, Original Hole		4	14,322.0	14,323.0	4/15/2024
8.561.0		NIOBRARA, Original Hole		4	14,351.0	14,352.0	4/15/2024
		NIOBRARA, Original Hole		4	14,381.0	14,382.0	4/15/2024
9.011.2		NIOBRARA, Original Hole		4	14,411.0	14,412.0	4/15/2024
		NIOBRARA, Original Hole		4	14,441.0	14,442.0	4/15/2024
9.459.0		NIOBRARA, Original Hole		4	14,471.0	14,472.0	4/15/2024
		NIOBRARA, Original Hole		4	14,501.0	14,502.0	4/15/2024
9.911.1		NIOBRARA, Original Hole		4	14,531.0	14,532.0	4/15/2024
		NIOBRARA, Original Hole		4	14,561.0	14,562.0	4/15/2024
10.360.9		NIOBRARA, Original Hole		4	14,591.0	14,592.0	4/15/2024
		NIOBRARA, Original Hole		4	14,621.0	14,622.0	4/15/2024
10.780.8		NIOBRARA, Original Hole		4	14,651.0	14,652.0	4/15/2024
		NIOBRARA, Original Hole		4	14,681.0	14,682.0	4/15/2024
11.231.0		NIOBRARA, Original Hole		4	14,714.0	14,715.0	4/15/2024
		NIOBRARA, Original Hole		4	14,741.0	14,742.0	4/15/2024
11.681.1		NIOBRARA, Original Hole		4	14,771.0	14,772.0	4/14/2024
		NIOBRARA, Original Hole		4	14,801.0	14,802.0	4/14/2024
12.130.9		NIOBRARA, Original Hole		4	14,831.0	14,832.0	4/14/2024
		NIOBRARA, Original Hole		4	14,861.0	14,862.0	4/14/2024
12.582.0		NIOBRARA, Original Hole		4	14,891.0	14,892.0	4/14/2024
		NIOBRARA, Original Hole		4	14,921.0	14,922.0	4/14/2024
13.032.2		NIOBRARA, Original Hole		4	14,951.0	14,952.0	4/14/2024
		NIOBRARA, Original Hole		4	14,981.0	14,982.0	4/14/2024
13.482.0		NIOBRARA, Original Hole		4	15,011.0	15,012.0	4/14/2024
		NIOBRARA, Original Hole		4	15,041.0	15,042.0	4/14/2024
13.901.9		NIOBRARA, Original Hole		4	15,071.0	15,072.0	4/14/2024
		NIOBRARA, Original Hole		4	15,100.0	15,101.0	4/14/2024
14.352.0		NIOBRARA, Original Hole		4	15,131.0	15,132.0	4/14/2024
		NIOBRARA, Original Hole		4	15,161.0	15,162.0	4/14/2024
14.801.8		NIOBRARA, Original Hole		4	15,191.0	15,192.0	4/14/2024
		NIOBRARA, Original Hole		4	15,221.0	15,222.0	4/14/2024
15.252.0		NIOBRARA, Original Hole		4	15,251.0	15,252.0	4/14/2024
		NIOBRARA, Original Hole		4	15,281.0	15,282.0	4/14/2024
15.701.1		NIOBRARA, Original Hole		4	15,311.0	15,312.0	4/14/2024
		NIOBRARA, Original Hole		4	15,341.0	15,342.0	4/14/2024
16.151.9		NIOBRARA, Original Hole		4	15,371.0	15,372.0	4/14/2024
		NIOBRARA, Original Hole		4	15,401.0	15,402.0	4/13/2024
16.602.0		NIOBRARA, Original Hole		4	15,431.0	15,432.0	4/13/2024
		NIOBRARA, Original Hole		4	15,461.0	15,462.0	4/13/2024
17.051.8		NIOBRARA, Original Hole		4	15,491.0	15,492.0	4/13/2024



# P&A Wellbore For State

Well Name: GUTTERSEN C28-745

Original Hole [Land]		Perforation Data					
MD (ftK B)	Vertical schematic (actual)	Linked Zone	Explosive Type	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
-19.1		NIOBRARA, Original Hole		4	15,521.0	15,522.0	4/13/2024
-15.0		NIOBRARA, Original Hole		4	15,551.0	15,552.0	4/13/2024
-10.9		NIOBRARA, Original Hole		4	15,581.0	15,582.0	4/13/2024
-6.9		NIOBRARA, Original Hole		4	15,611.0	15,612.0	4/13/2024
-2.8		NIOBRARA, Original Hole		4	15,641.0	15,642.0	4/13/2024
1.926.5		NIOBRARA, Original Hole		4	15,671.0	15,672.0	4/13/2024
7.661.1		NIOBRARA, Original Hole		4	15,700.0	15,701.0	4/13/2024
8.108.9		NIOBRARA, Original Hole		4	15,731.0	15,732.0	4/13/2024
8.561.0		NIOBRARA, Original Hole		4	15,764.0	15,765.0	4/13/2024
9.011.2		NIOBRARA, Original Hole		4	15,791.0	15,792.0	4/13/2024
9.459.0		NIOBRARA, Original Hole		4	15,821.0	15,822.0	4/13/2024
9.911.1		NIOBRARA, Original Hole		4	15,852.0	15,853.0	4/13/2024
10.360.9		NIOBRARA, Original Hole		4	15,881.0	15,882.0	4/13/2024
10.780.8		NIOBRARA, Original Hole		4	15,911.0	15,912.0	4/13/2024
11.231.0		NIOBRARA, Original Hole		4	15,941.0	15,942.0	4/13/2024
11.681.1		NIOBRARA, Original Hole		4	15,971.0	15,972.0	4/13/2024
12.130.9		NIOBRARA, Original Hole		4	16,001.0	16,002.0	4/13/2024
12.582.0		NIOBRARA, Original Hole		4	16,031.0	16,032.0	4/13/2024
13.032.2		NIOBRARA, Original Hole		4	16,061.0	16,062.0	4/13/2024
13.482.0		NIOBRARA, Original Hole		4	16,091.0	16,092.0	4/13/2024
13.901.9		NIOBRARA, Original Hole		4	16,121.0	16,122.0	4/13/2024
14.352.0		NIOBRARA, Original Hole		4	16,151.0	16,152.0	4/13/2024
14.801.8		NIOBRARA, Original Hole		4	16,181.0	16,182.0	4/13/2024
15.252.0		NIOBRARA, Original Hole		4	16,211.0	16,212.0	4/13/2024
15.701.1		NIOBRARA, Original Hole		4	16,241.0	16,242.0	4/13/2024
16.151.9		NIOBRARA, Original Hole		4	16,271.0	16,272.0	4/13/2024
16.602.0		NIOBRARA, Original Hole		4	16,301.0	16,302.0	4/13/2024
17.051.8		NIOBRARA, Original Hole		4	16,335.0	16,336.0	4/13/2024
		NIOBRARA, Original Hole		4	16,361.0	16,362.0	4/13/2024
		NIOBRARA, Original Hole		4	16,391.0	16,392.0	4/13/2024
		NIOBRARA, Original Hole		4	16,421.0	16,422.0	4/13/2024
		NIOBRARA, Original Hole		4	16,451.0	16,452.0	4/12/2024
		NIOBRARA, Original Hole		4	16,481.0	16,482.0	4/12/2024
		NIOBRARA, Original Hole		4	16,511.0	16,512.0	4/12/2024
		NIOBRARA, Original Hole		4	16,541.0	16,542.0	4/12/2024
		NIOBRARA, Original Hole		4	16,571.0	16,572.0	4/12/2024
		NIOBRARA, Original Hole		4	16,601.0	16,602.0	4/12/2024
		NIOBRARA, Original Hole		4	16,631.0	16,632.0	4/12/2024
		NIOBRARA, Original Hole		4	16,661.0	16,662.0	4/12/2024
		NIOBRARA, Original Hole		4	16,691.0	16,692.0	4/12/2024
		NIOBRARA, Original Hole		4	16,721.0	16,722.0	4/12/2024
		NIOBRARA, Original Hole		4	16,751.0	16,752.0	4/12/2024
		NIOBRARA, Original Hole		4	16,781.0	16,782.0	4/12/2024
		NIOBRARA, Original Hole		4	16,810.0	16,811.0	4/12/2024
		NIOBRARA, Original Hole		4	16,841.0	16,842.0	4/12/2024
		NIOBRARA, Original Hole		4	16,871.0	16,872.0	3/3/2024
		NIOBRARA, Original Hole		4	16,901.0	16,902.0	3/3/2024
		NIOBRARA, Original Hole		4	16,931.0	16,932.0	3/3/2024
		NIOBRARA, Original Hole		4	16,961.0	16,962.0	3/3/2024
		NIOBRARA, Original Hole		4	16,991.0	16,992.0	3/3/2024
		NIOBRARA, Original Hole		4	17,021.0	17,022.0	3/3/2024
		NIOBRARA, Original Hole		4	17,051.0	17,052.0	3/3/2024
		Stim/Frac Stage					
		Zone		Start Date		Top (ftKB)	Btm (ftKB)
		NIOBRARA, Original Hole		4/22/2024		7,420.0	7,601.0
		NIOBRARA, Original Hole		4/22/2024		7,634.0	7,811.0
		NIOBRARA, Original Hole		4/22/2024		7,840.0	8,020.0
		NIOBRARA, Original Hole		4/22/2024		8,050.0	8,230.0
		NIOBRARA, Original Hole		4/22/2024		8,260.0	8,441.0
		NIOBRARA, Original Hole		4/21/2024		8,470.0	8,651.0
		NIOBRARA, Original Hole		4/21/2024		8,681.0	8,861.0



# P&A Wellbore For State

Well Name: GUTTERSEN C28-745

Original Hole [Land]		Stim/Frac Stage			
MD (ftK B)	Vertical schematic (actual)	Zone	Start Date	Top (ftKB)	Btm (ftKB)
		NIOBRARA, Original Hole	4/21/2024	8,890.0	9,071.0
		NIOBRARA, Original Hole	4/21/2024	9,100.0	9,281.0
		NIOBRARA, Original Hole	4/21/2024	9,310.0	9,491.0
		NIOBRARA, Original Hole	4/20/2024	9,520.0	9,701.0
		NIOBRARA, Original Hole	4/20/2024	9,730.0	9,911.0
		NIOBRARA, Original Hole	4/20/2024	9,940.0	10,121.0
		NIOBRARA, Original Hole	4/19/2024	10,150.0	10,328.0
		NIOBRARA, Original Hole	4/19/2024	10,360.0	10,541.0
		NIOBRARA, Original Hole	4/19/2024	10,570.0	10,751.0
		NIOBRARA, Original Hole	4/19/2024	10,780.0	10,960.0
		NIOBRARA, Original Hole	4/19/2024	10,990.0	11,171.0
		NIOBRARA, Original Hole	4/18/2024	11,200.0	11,381.0
		NIOBRARA, Original Hole	4/18/2024	11,410.0	11,591.0
		NIOBRARA, Original Hole	4/18/2024	11,620.0	11,801.0
		NIOBRARA, Original Hole	4/18/2024	11,830.0	12,011.0
		NIOBRARA, Original Hole	4/18/2024	12,040.0	12,220.0
		NIOBRARA, Original Hole	4/18/2024	12,251.0	12,432.0
		NIOBRARA, Original Hole	4/17/2024	12,461.0	12,642.0
		NIOBRARA, Original Hole	4/17/2024	12,671.0	12,852.0
		NIOBRARA, Original Hole	4/17/2024	12,881.0	13,062.0
		NIOBRARA, Original Hole	4/17/2024	13,096.0	13,272.0
		NIOBRARA, Original Hole	4/16/2024	13,301.0	13,482.0
		NIOBRARA, Original Hole	4/16/2024	13,511.0	13,692.0
		NIOBRARA, Original Hole	4/16/2024	13,721.0	13,902.0
		NIOBRARA, Original Hole	4/16/2024	13,934.0	14,112.0
		NIOBRARA, Original Hole	4/15/2024	14,141.0	14,323.0
		NIOBRARA, Original Hole	4/15/2024	14,351.0	14,532.0
		NIOBRARA, Original Hole	4/15/2024	14,561.0	14,742.0
		NIOBRARA, Original Hole	4/14/2024	14,771.0	14,952.0
		NIOBRARA, Original Hole	4/14/2024	14,981.0	15,162.0
		NIOBRARA, Original Hole	4/14/2024	15,191.0	15,372.0
		NIOBRARA, Original Hole	4/13/2024	15,401.0	15,582.0
		NIOBRARA, Original Hole	4/13/2024	15,611.0	15,792.0
		NIOBRARA, Original Hole	4/13/2024	15,821.0	16,002.0
		NIOBRARA, Original Hole	4/13/2024	16,031.0	16,212.0
		NIOBRARA, Original Hole	4/13/2024	16,241.0	16,422.0
		NIOBRARA, Original Hole	4/12/2024	16,451.0	16,632.0
		NIOBRARA, Original Hole	4/12/2024	16,661.0	16,842.0
		NIOBRARA, Original Hole	4/12/2024	16,871.0	17,051.0
		Other In Hole			
		Run Date	Des	Make	OD (in)
					Top (ftKB)
					Btm (ftKB)
		Logs			
		Date	Type	Depth Top (MD) (ftKB)	Btm (ftKB)
		11/4/2022	MWD	92	17,130.0
		12/20/2022	CBL/VDL/GR/CCL	29	7,098.0
		Wellbore Plug Back Total Depths			
		Date	Type	Com	PBTD (ftKB)
		11/12/2022		BALL & SEAT	17,100
		11/12/2022	Float Collar	Float Collar	17,112