

Well Header			
Surface UWI 0512349026	Business Unit Rockies	Gov Auth Dist	Prod Tree Loc Land
Original RKB Elevation (ft) 4,730.00	Original KB to Ground (ft) 30.00	Original Spud Date 1/7/2022	Abandon Date
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. #402490920 dated 9/22/2020 for COA details. MLVT will be designed and implemented consistent with the June 13, 2014 COGCC MLVT policy. See Sundry Doc. #402615017 dated 03/02/2021			
Directions To Well CR 40 and CR 57, South 1.0 miles, East 0.41 miles, South into location			
Congressional Location			
Quarter 3 SW	Quarter 4 SW	Section 2	Township 3
Township N/S Dir N		Range 64	Range E/W Dir W
Bottom Hole Legal Location			
Bottom Hole Legal Location 6 75/SWSW-02-003N-064W6PM			
Plug Back Total Depths			
Date	PBTD (ftKB)	Method	Com
Wellbore Sections			
Section Des	Hole Size (in)	Act Top (ftKB)	Act Btm (ftKB)
CONDUCTOR	26	30.0	110.0
SURFACE	13 1/2	110.0	1,958.0
PRODUCTION	8 1/2	1,958.0	17,690.0
Zone Statuses			
Zone Name	Status Date	Status	Fluid Type
Job		Prod Method	
Casing Strings			
Conductor, Planned?-N, 110ftKB			
Casing Description Conductor	Run Date 11/10/2021	OD (in) 16	Wt/Len (lb/ft) 36.94
Grade A-52A	Top Depth (M) 30	Set Depth (M) 110	
SURFACE, Planned?-N, 1948.4ftKB			
Casing Description SURFACE	Run Date 1/7/2022	OD (in) 9 5/8	Wt/Len (lb/ft) 36.00
Grade J-55	Top Depth (M) 29.9	Set Depth (M) 1948.4	
Production Casing, Planned?-N, 17681.5ftKB			
Casing Description Production Casing	Run Date 1/21/2022	OD (in) 5 1/2	Wt/Len (lb/ft) 17.00
Grade P-110	Top Depth (M) 30	Set Depth (M) 17681.5	
Cement			
Description Conductor Cement	Top Depth (ftKB) 30.0		Bottom Depth (ftKB) 110.0
Description Surface Casing Cement	Top Depth (ftKB) 30.0		Bottom Depth (ftKB) 1,948.4
Description Production Casing Cement	Top Depth (ftKB) 1,778.0		Bottom Depth (ftKB) 17,451.7
Tubing Strings			
Tubing Description TUBING - PRODUCTION	Run Date 9/27/2022	String Max ID (in) 2 3/8	Wt (lb/ft) 4.70
Grade L-80	Len (ft) 7,180.90	Set Depth 6,688.4	
Tubing Components			
Item Des	OD (in)	Wt (lb/ft)	Grade
Jts	Len (ft)	Btm (ftKB)	Btm (TVD) (ftKB)
Tubing Hanger	7 1/8	4.70	N-80
1	0.50	30.5	30.5
Tubing	2 3/8	4.70	L-80
202	6,678.26	6,708.8	6,388.9
X-Nipple	2 3/8	4.70	N-80
1	0.90	6,709.7	6,389.7
Tubing	2 3/8	4.70	L-80
15	496.02	7,205.7	6,686.8
XN-Nipple	2 3/8	4.70	N-80
1	0.90	7,206.6	6,687.1
Tubing Pup Joint	2 3/8	4.70	N-80
1	3.10	7,209.7	6,688.0
Ceramic disc sub	2 3/8	4.70	N-80
1	0.80	7,210.5	6,688.3
Mule Shoe	2 3/8	4.70	N-80
1	0.42	7,210.9	6,688.4

Land, Original Hole, 10/26/2022 11:24:40 AM		Other In Hole								
MD (ftKB)	TVD (ftKB)	Vertical schematic (actual)		Run Date	Des	Make	OD (in)	Top (ftKB)	Btm (ftKB)	Plan ned
6.708.7	6.388.7									
7.719.2	6.727.4	SAND FRAC; 7682-7841; 9/5/2022		<b>Logs</b>						
7.931.1	6.727.4	SAND FRAC; 7870-8053; 9/5/2022		Date	Type	Depth Top (MD) (ftKB)		Btm (ftKB)		
8.113.8	6.728.6	SAND FRAC; 8082-8266; 9/4/2022		2/9/2022	RADIAL SECTOR CBL	30		7,160.0		
8.325.1	6.729.0	SAND FRAC; 8295-8478; 9/4/2022		<b>Perforation Data</b>						
8.507.9	6.728.2	SAND FRAC; 8507-8689; 9/4/2022		Linked Zone	Explosiv e Type	Sum of Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date	
8.720.1	6.727.8	SAND FRAC; 8720-8901; 9/3/2022		NIOBRARA, Original Hole		0				
8.900.9	6.728.4	SAND FRAC; 8932-9115; 9/3/2022		NIOBRARA, Original Hole		4	7,658.0	7,659.0	9/5/2022	
9.113.8	6.729.3	SAND FRAC; 9144-9328; 9/3/2022		NIOBRARA, Original Hole		4	7,688.0	7,689.0	9/5/2022	
9.296.9	6.729.3	SAND FRAC; 9357-9540; 9/3/2022		NIOBRARA, Original Hole		4	7,718.0	7,719.0	9/5/2022	
9.508.9	6.728.4	SAND FRAC; 9569-9752; 9/2/2022		NIOBRARA, Original Hole		4	7,749.0	7,750.0	9/5/2022	
9.692.9	6.726.3	SAND FRAC; 9782-9964; 9/2/2022		NIOBRARA, Original Hole		4	7,779.0	7,780.0	9/5/2022	
9.901.9	6.724.7	SAND FRAC; 9994-10177; 9/2/2022		NIOBRARA, Original Hole		4	7,806.0	7,807.0	9/5/2022	
10.086.0	6.722.0	SAND FRAC; 10206-10390; 9/1/2022		NIOBRARA, Original Hole		4	7,840.0	7,841.0	9/5/2022	
10.299.9	6.720.9	SAND FRAC; 10419-10602; 8/31/2022		NIOBRARA, Original Hole		4	7,870.0	7,871.0	9/4/2022	
10.481.0	6.723.1	SAND FRAC; 10631-10814; 8/31/2022		NIOBRARA, Original Hole		4	7,900.0	7,901.0	9/4/2022	
10.691.9	6.723.7	SAND FRAC; 10844-11027; 8/31/2022		NIOBRARA, Original Hole		4	7,931.0	7,932.0	9/4/2022	
10.875.0	6.725.1	PROPPANT FRAC; 11056-11239; 8/30/2022		NIOBRARA, Original Hole		4	7,961.0	7,962.0	9/4/2022	
11.056.1	6.726.2	PROPPANT FRAC; 11268-11451; 8/30/2022		NIOBRARA, Original Hole		4	7,992.0	7,993.0	9/4/2022	
11.235.9	6.725.6	PROPPANT FRAC; 11481-11663; 8/30/2022		NIOBRARA, Original Hole		4	8,022.0	8,023.0	9/4/2022	
11.420.9	6.725.5	PROPPANT FRAC; 11693-11877; 8/29/2022		NIOBRARA, Original Hole		4	8,052.0	8,053.0	9/4/2022	
11.632.9	6.724.6	PROPPANT FRAC; 11906-12089; 8/29/2022		NIOBRARA, Original Hole		4	8,082.0	8,083.0	9/4/2022	
11.815.9	6.724.2	SAND FRAC; 12118-12301; 8/29/2022		NIOBRARA, Original Hole		4	8,113.0	8,114.0	9/4/2022	
12.026.9	6.722.3	PROPPANT FRAC; 12330-12514; 8/28/2022		NIOBRARA, Original Hole		4	8,143.0	8,144.0	9/4/2022	
12.210.0	6.721.3	PROPPANT FRAC; 12543-12726; 8/28/2022		NIOBRARA, Original Hole		4	8,174.0	8,175.0	9/4/2022	
12.421.9	6.720.9	PROPPANT FRAC; 12755-12938; 8/28/2022		NIOBRARA, Original Hole		4	8,204.0	8,205.0	9/4/2022	
12.605.0	6.720.4	PROPPANT FRAC; 12968-13150; 8/28/2022		NIOBRARA, Original Hole		4	8,232.0	8,233.0	9/4/2022	
12.815.9	6.721.9	PROPPANT FRAC; 13180-13363; 8/27/2022		NIOBRARA, Original Hole		4	8,265.0	8,266.0	9/4/2022	
12.998.0	6.723.0	PROPPANT FRAC; 13392-13576; 8/27/2022		NIOBRARA, Original Hole		4	8,295.0	8,296.0	9/4/2022	
13.182.1	6.724.5	SAND FRAC; 13605-13788; 8/27/2022		NIOBRARA, Original Hole		4	8,325.0	8,326.0	9/4/2022	
13.362.9	6.726.3	PROPPANT FRAC; 13818-14001; 8/26/2022		NIOBRARA, Original Hole		4	8,356.0	8,357.0	9/4/2022	
13.575.1	6.726.3	PROPPANT FRAC; 14034-14213; 8/26/2022		NIOBRARA, Original Hole		4	8,386.0	8,387.0	9/4/2022	
13.757.9	6.725.1	PROPPANT FRAC; 14242-14424; 8/26/2022		NIOBRARA, Original Hole		4	8,416.0	8,417.0	9/4/2022	
13.969.2	6.723.2	PROPPANT FRAC; 14454-14637; 8/26/2022		NIOBRARA, Original Hole		4	8,446.0	8,447.0	9/4/2022	
14.151.9	6.722.1	PROPPANT FRAC; 14667-14850; 8/25/2022		NIOBRARA, Original Hole		4	8,477.0	8,478.0	9/4/2022	
14.304.1	6.722.2	PROPPANT FRAC; 14879-15063; 8/25/2022		NIOBRARA, Original Hole		4	8,507.0	8,508.0	9/4/2022	
14.515.1	6.722.2	SAND FRAC; 15092-15275; 8/25/2022		NIOBRARA, Original Hole		4	8,540.0	8,541.0	9/4/2022	
14.698.2	6.723.1	PROPPANT FRAC; 15304-15487; 8/24/2022		NIOBRARA, Original Hole		4	8,568.0	8,569.0	9/4/2022	
14.910.1	6.722.9	PROPPANT FRAC; 15516-15700; 8/24/2022		NIOBRARA, Original Hole		4	8,598.0	8,599.0	9/4/2022	
15.092.8	6.721.0	PROPPANT FRAC; 15729-15911; 8/24/2022		NIOBRARA, Original Hole		4	8,629.0	8,630.0	9/4/2022	
15.304.1	6.719.7	PROPPANT FRAC; 15941-16124; 8/24/2022		NIOBRARA, Original Hole		4	8,659.0	8,660.0	9/4/2022	
15.486.9	6.718.2	PROPPANT FRAC; 16154-16337; 8/23/2022		NIOBRARA, Original Hole		4	8,688.0	8,689.0	9/4/2022	
15.699.1	6.715.4	PROPPANT FRAC; 16366-16548; 8/23/2022		NIOBRARA, Original Hole		4	8,720.0	8,721.0	9/3/2022	
15.881.9	6.714.6	PROPPANT FRAC; 16578-16762; 8/23/2022		NIOBRARA, Original Hole		4	8,746.0	8,747.0	9/3/2022	
16.092.8	6.714.1	PROPPANT FRAC; 16793-16974; 8/22/2022		NIOBRARA, Original Hole		4	8,780.0	8,781.0	9/3/2022	
16.275.9	6.712.9	PROPPANT FRAC; 17005-17187; 8/22/2022		NIOBRARA, Original Hole		4	8,811.0	8,812.0	9/3/2022	
16.485.9	6.712.0	SAND FRAC; 17216-17399; 8/22/2022		NIOBRARA, Original Hole		4	8,841.0	8,842.0	9/3/2022	
16.670.9	6.711.5	PROPPANT FRAC; 17428-17520; 8/22/2022		NIOBRARA, Original Hole		4	8,872.0	8,873.0	9/3/2022	
16.881.9	6.711.4			NIOBRARA, Original Hole		4	8,900.0	8,901.0	9/3/2022	
17.065.0	6.711.6			NIOBRARA, Original Hole		4	8,932.0	8,933.0	9/3/2022	
17.275.9	6.711.4			NIOBRARA, Original Hole		4	8,958.0	8,959.0	9/3/2022	
17.458.0	6.711.4			NIOBRARA, Original Hole		4	8,993.0	8,994.0	9/3/2022	
				NIOBRARA, Original Hole		4	9,023.0	9,024.0	9/3/2022	
				NIOBRARA, Original Hole		4	9,054.0	9,055.0	9/3/2022	

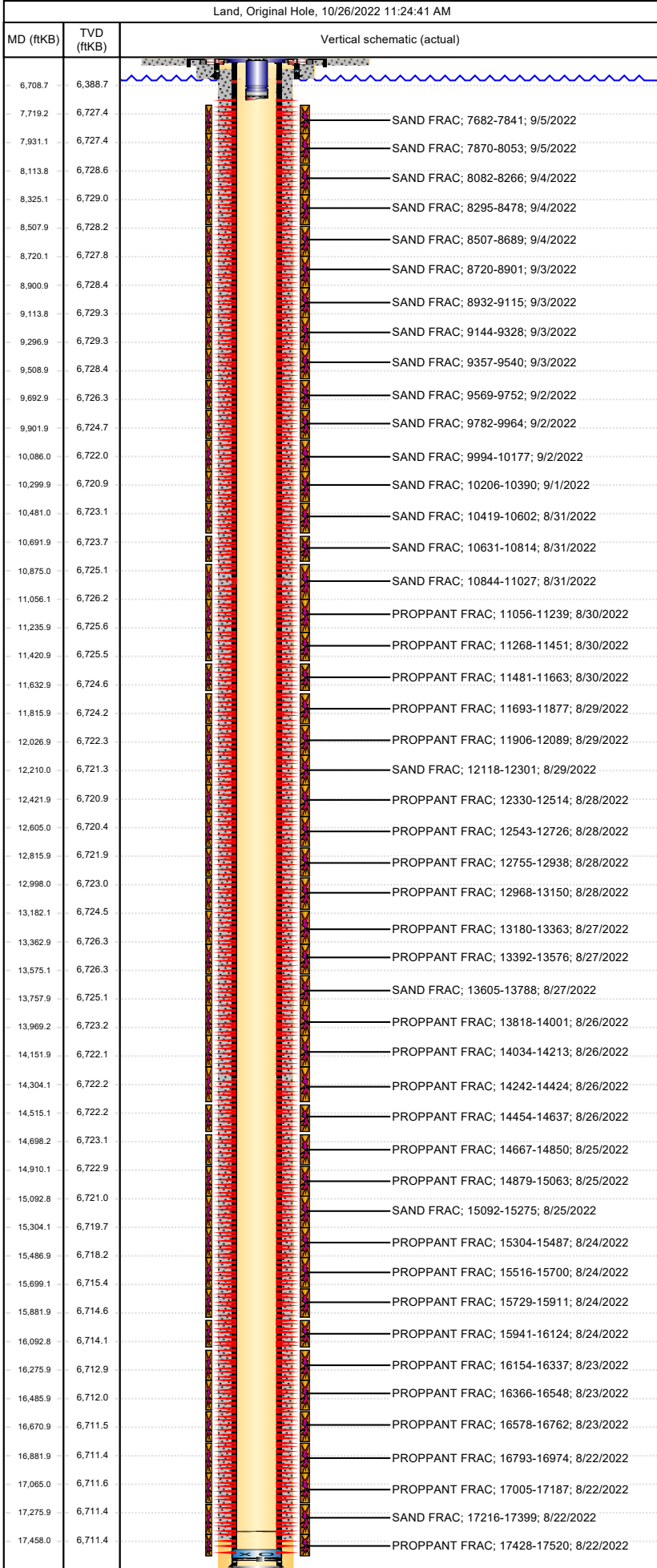
Land, Original Hole, 10/26/2022 11:24:41 AM			Perforation Data					
MD (ftKB)	TVD (ftKB)	Vertical schematic (actual)	Linked Zone	Explosive Type	Sum of Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
6.708.7	6.388.7		NIOBRARA, Original Hole		4	9,084.0	9,085.0	9/3/2022
7.719.2	6.727.4		NIOBRARA, Original Hole		4	9,114.0	9,115.0	9/3/2022
7.931.1	6.727.4		SAND FRAC; 7682-7841; 9/5/2022		4	9,144.0	9,145.0	9/3/2022
8.113.8	6.728.6		SAND FRAC; 7870-8053; 9/5/2022		4	9,171.0	9,172.0	9/3/2022
8.325.1	6.729.0		SAND FRAC; 8082-8266; 9/4/2022		4	9,205.0	9,206.0	9/3/2022
8.507.9	6.728.2		SAND FRAC; 8295-8478; 9/4/2022		4	9,236.0	9,237.0	9/3/2022
8.720.1	6.727.8		SAND FRAC; 8507-8689; 9/4/2022		4	9,266.0	9,267.0	9/3/2022
8.900.9	6.728.4		SAND FRAC; 8720-8901; 9/3/2022		4	9,296.0	9,297.0	9/3/2022
9.113.8	6.729.3		SAND FRAC; 8932-9115; 9/3/2022		4	9,327.0	9,328.0	9/3/2022
9.296.9	6.729.3		SAND FRAC; 9144-9328; 9/3/2022		4	9,357.0	9,358.0	9/2/2022
9.508.9	6.728.4		SAND FRAC; 9357-9540; 9/3/2022		4	9,383.0	9,384.0	9/2/2022
9.692.9	6.726.3		SAND FRAC; 9569-9752; 9/2/2022		4	9,418.0	9,419.0	9/2/2022
9.901.9	6.724.7		SAND FRAC; 9782-9964; 9/2/2022		4	9,448.0	9,449.0	9/2/2022
10.086.0	6.722.0		SAND FRAC; 9994-10177; 9/2/2022		4	9,478.0	9,479.0	9/2/2022
10.299.9	6.720.9		SAND FRAC; 10206-10390; 9/1/2022		4	9,509.0	9,510.0	9/2/2022
10.481.0	6.723.1		SAND FRAC; 10419-10602; 8/31/2022		4	9,539.0	9,540.0	9/2/2022
10.691.9	6.723.7		SAND FRAC; 10419-10602; 8/31/2022		4	9,569.0	9,570.0	9/2/2022
10.875.0	6.725.1		SAND FRAC; 10631-10814; 8/31/2022		4	9,596.0	9,597.0	9/2/2022
11.056.1	6.726.2		SAND FRAC; 10844-11027; 8/31/2022		4	9,630.0	9,631.0	9/2/2022
11.235.9	6.725.6		PROPPANT FRAC; 11056-11239; 8/30/2022		4	9,660.0	9,661.0	9/2/2022
11.420.9	6.725.5		PROPPANT FRAC; 11268-11451; 8/30/2022		4	9,692.0	9,693.0	9/2/2022
11.632.9	6.724.6		PROPPANT FRAC; 11481-11663; 8/30/2022		4	9,721.0	9,722.0	9/2/2022
11.815.9	6.724.2		PROPPANT FRAC; 11693-11877; 8/29/2022		4	9,752.0	9,753.0	9/2/2022
12.026.9	6.722.3		PROPPANT FRAC; 11893-12077; 8/29/2022		4	9,782.0	9,783.0	9/2/2022
12.210.0	6.721.3		PROPPANT FRAC; 11906-12089; 8/29/2022		4	9,812.0	9,813.0	9/2/2022
12.421.9	6.720.9		SAND FRAC; 12118-12301; 8/29/2022		4	9,842.0	9,843.0	9/2/2022
12.605.0	6.720.4		PROPPANT FRAC; 12330-12514; 8/28/2022		4	9,873.0	9,874.0	9/2/2022
12.815.9	6.721.9		PROPPANT FRAC; 12543-12726; 8/28/2022		4	9,902.0	9,903.0	9/2/2022
12.998.0	6.723.0		PROPPANT FRAC; 12755-12938; 8/28/2022		4	9,934.0	9,935.0	9/2/2022
13.182.1	6.724.5		PROPPANT FRAC; 12968-13150; 8/28/2022		4	9,964.0	9,965.0	9/2/2022
13.362.9	6.726.3		PROPPANT FRAC; 13180-13363; 8/27/2022		4	9,994.0	9,995.0	9/1/2022
13.575.1	6.726.3		PROPPANT FRAC; 13392-13576; 8/27/2022		4	10,024.0	10,025.0	9/1/2022
13.757.9	6.725.1		SAND FRAC; 13605-13788; 8/27/2022		4	10,055.0	10,056.0	9/1/2022
13.969.2	6.723.2		PROPPANT FRAC; 13818-14001; 8/26/2022		4	10,085.0	10,086.0	9/1/2022
14.151.9	6.722.1		PROPPANT FRAC; 14034-14213; 8/26/2022		4	10,116.0	10,117.0	9/1/2022
14.304.1	6.722.2		PROPPANT FRAC; 14242-14424; 8/26/2022		4	10,146.0	10,147.0	9/1/2022
14.515.1	6.722.2		PROPPANT FRAC; 14454-14637; 8/26/2022		4	10,176.0	10,177.0	9/1/2022
14.698.2	6.723.1		PROPPANT FRAC; 14667-14850; 8/25/2022		4	10,206.0	10,207.0	9/1/2022
14.910.1	6.722.9		PROPPANT FRAC; 14879-15063; 8/25/2022		4	10,237.0	10,238.0	9/1/2022
15.092.8	6.721.0		SAND FRAC; 15092-15275; 8/25/2022		4	10,267.0	10,268.0	9/1/2022
15.304.1	6.719.7	PROPPANT FRAC; 15304-15487; 8/24/2022		4	10,300.0	10,301.0	9/1/2022	
15.486.9	6.718.2	PROPPANT FRAC; 15516-15700; 8/24/2022		4	10,328.0	10,329.0	9/1/2022	
15.699.1	6.715.4	PROPPANT FRAC; 15729-15911; 8/24/2022		4	10,358.0	10,359.0	9/1/2022	
15.881.9	6.714.6	PROPPANT FRAC; 15941-16124; 8/24/2022		4	10,389.0	10,390.0	9/1/2022	
16.092.8	6.714.1	PROPPANT FRAC; 16154-16337; 8/23/2022		4	10,419.0	10,420.0	8/31/2022	
16.275.9	6.712.9	PROPPANT FRAC; 16366-16548; 8/23/2022		4	10,449.0	10,450.0	8/31/2022	
16.485.9	6.712.0	PROPPANT FRAC; 16578-16762; 8/23/2022		4	10,480.0	10,481.0	8/31/2022	
16.670.9	6.711.5	PROPPANT FRAC; 16793-16974; 8/22/2022		4	10,512.0	10,513.0	8/31/2022	
16.881.9	6.711.4	PROPPANT FRAC; 17005-17187; 8/22/2022		4	10,540.0	10,541.0	8/31/2022	
17.065.0	6.711.6	SAND FRAC; 17216-17399; 8/22/2022		4	10,571.0	10,572.0	8/31/2022	
17.275.9	6.711.4	PROPPANT FRAC; 17428-17520; 8/22/2022		4	10,601.0	10,602.0	8/31/2022	
17.458.0	6.711.4	PROPPANT FRAC; 17428-17520; 8/22/2022		4	10,630.0	10,631.0	8/31/2022	
					4	10,662.0	10,663.0	8/31/2022
					4	10,692.0	10,693.0	8/31/2022
					4	10,722.0	10,723.0	8/31/2022
					4	10,753.0	10,754.0	8/31/2022

Land, Original Hole, 10/26/2022 11:24:41 AM			Perforation Data					
MD (ftKB)	TVD (ftKB)	Vertical schematic (actual)	Linked Zone	Explosive Type	Sum of Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
6.708.7	6.388.7		NIOBRARA, Original Hole		4	10,783.0	10,784.0	8/31/2022
7.719.2	6.727.4		NIOBRARA, Original Hole		4	10,814.0	10,815.0	8/31/2022
7.931.1	6.727.4	SAND FRAC; 7682-7841; 9/5/2022	NIOBRARA, Original Hole		4	10,844.0	10,845.0	8/31/2022
8.113.8	6.728.6	SAND FRAC; 7870-8053; 9/5/2022	NIOBRARA, Original Hole		4	10,874.0	10,875.0	8/31/2022
8.325.1	6.729.0	SAND FRAC; 8082-8266; 9/4/2022	NIOBRARA, Original Hole		4	10,904.0	10,905.0	8/31/2022
8.507.9	6.728.2	SAND FRAC; 8295-8478; 9/4/2022	NIOBRARA, Original Hole		4	10,935.0	10,936.0	8/31/2022
8.720.1	6.727.8	SAND FRAC; 8507-8689; 9/4/2022	NIOBRARA, Original Hole		4	10,965.0	10,966.0	8/31/2022
8.900.9	6.728.4	SAND FRAC; 8720-8901; 9/3/2022	NIOBRARA, Original Hole		4	10,992.0	10,993.0	8/31/2022
9.113.8	6.729.3	SAND FRAC; 8932-9115; 9/3/2022	NIOBRARA, Original Hole		4	11,026.0	11,027.0	8/31/2022
9.296.9	6.729.3	SAND FRAC; 9144-9328; 9/3/2022	NIOBRARA, Original Hole		4	11,056.0	11,057.0	8/30/2022
9.508.9	6.728.4	SAND FRAC; 9357-9540; 9/3/2022	NIOBRARA, Original Hole		4	11,090.0	11,091.0	8/30/2022
9.692.9	6.726.3	SAND FRAC; 9569-9752; 9/2/2022	NIOBRARA, Original Hole		4	11,117.0	11,118.0	8/30/2022
9.901.9	6.724.7	SAND FRAC; 9782-9964; 9/2/2022	NIOBRARA, Original Hole		4	11,147.0	11,148.0	8/30/2022
10.086.0	6.722.0	SAND FRAC; 9994-10177; 9/2/2022	NIOBRARA, Original Hole		4	11,178.0	11,179.0	8/30/2022
10.299.9	6.720.9	SAND FRAC; 10206-10390; 9/1/2022	NIOBRARA, Original Hole		4	11,207.0	11,208.0	8/30/2022
10.481.0	6.723.1	SAND FRAC; 10419-10602; 8/31/2022	NIOBRARA, Original Hole		4	11,235.0	11,236.0	8/30/2022
10.691.9	6.723.7	SAND FRAC; 10631-10814; 8/31/2022	NIOBRARA, Original Hole		4	11,268.0	11,269.0	8/30/2022
10.875.0	6.725.1	SAND FRAC; 10844-11027; 8/31/2022	NIOBRARA, Original Hole		4	11,303.0	11,304.0	8/30/2022
11.056.1	6.726.2	PROPPANT FRAC; 11056-11239; 8/30/2022	NIOBRARA, Original Hole		4	11,329.0	11,330.0	8/30/2022
11.235.9	6.725.6	PROPPANT FRAC; 11268-11451; 8/30/2022	NIOBRARA, Original Hole		4	11,360.0	11,361.0	8/30/2022
11.420.9	6.725.5	PROPPANT FRAC; 11481-11663; 8/30/2022	NIOBRARA, Original Hole		4	11,390.0	11,391.0	8/30/2022
11.632.9	6.724.6	PROPPANT FRAC; 11693-11877; 8/29/2022	NIOBRARA, Original Hole		4	11,420.0	11,421.0	8/30/2022
11.815.9	6.724.2	PROPPANT FRAC; 11906-12089; 8/29/2022	NIOBRARA, Original Hole		4	11,451.0	11,452.0	8/30/2022
12.026.9	6.722.3	SAND FRAC; 12118-12301; 8/29/2022	NIOBRARA, Original Hole		4	11,481.0	11,482.0	8/30/2022
12.210.0	6.721.3	PROPPANT FRAC; 12330-12514; 8/28/2022	NIOBRARA, Original Hole		4	11,515.0	11,516.0	8/30/2022
12.421.9	6.720.9	PROPPANT FRAC; 12543-12726; 8/28/2022	NIOBRARA, Original Hole		4	11,542.0	11,543.0	8/30/2022
12.605.0	6.720.4	PROPPANT FRAC; 12755-12938; 8/28/2022	NIOBRARA, Original Hole		4	11,572.0	11,573.0	8/30/2022
12.815.9	6.721.9	PROPPANT FRAC; 12968-13150; 8/28/2022	NIOBRARA, Original Hole		4	11,602.0	11,603.0	8/30/2022
12.998.0	6.723.0	PROPPANT FRAC; 13180-13363; 8/27/2022	NIOBRARA, Original Hole		4	11,633.0	11,634.0	8/30/2022
13.182.1	6.724.5	PROPPANT FRAC; 13392-13576; 8/27/2022	NIOBRARA, Original Hole		4	11,663.0	11,664.0	8/30/2022
13.362.9	6.726.3	SAND FRAC; 13605-13788; 8/27/2022	NIOBRARA, Original Hole		4	11,693.0	11,694.0	8/29/2022
13.575.1	6.726.3	PROPPANT FRAC; 14034-14213; 8/26/2022	NIOBRARA, Original Hole		4	11,727.0	11,728.0	8/29/2022
13.757.9	6.725.1	PROPPANT FRAC; 14242-14424; 8/26/2022	NIOBRARA, Original Hole		4	11,754.0	11,755.0	8/29/2022
13.969.2	6.723.2	PROPPANT FRAC; 14454-14637; 8/26/2022	NIOBRARA, Original Hole		4	11,780.0	11,781.0	8/29/2022
14.151.9	6.722.1	PROPPANT FRAC; 14667-14850; 8/25/2022	NIOBRARA, Original Hole		4	11,815.0	11,816.0	8/29/2022
14.304.1	6.722.2	PROPPANT FRAC; 14879-15063; 8/25/2022	NIOBRARA, Original Hole		4	11,845.0	11,846.0	8/29/2022
14.515.1	6.722.2	SAND FRAC; 15092-15275; 8/25/2022	NIOBRARA, Original Hole		4	11,876.0	11,877.0	8/29/2022
14.698.2	6.723.1	PROPPANT FRAC; 15304-15487; 8/24/2022	NIOBRARA, Original Hole		4	11,906.0	11,907.0	8/29/2022
14.910.1	6.722.9	PROPPANT FRAC; 15516-15700; 8/24/2022	NIOBRARA, Original Hole		4	11,932.0	11,933.0	8/29/2022
15.092.8	6.721.0	PROPPANT FRAC; 15729-15911; 8/24/2022	NIOBRARA, Original Hole		4	11,966.0	11,967.0	8/29/2022
15.304.1	6.719.7	PROPPANT FRAC; 15941-16124; 8/24/2022	NIOBRARA, Original Hole		4	11,997.0	11,998.0	8/29/2022
15.486.9	6.718.2	PROPPANT FRAC; 16154-16337; 8/23/2022	NIOBRARA, Original Hole		4	12,027.0	12,028.0	8/29/2022
15.699.1	6.715.4	PROPPANT FRAC; 16366-16548; 8/23/2022	NIOBRARA, Original Hole		4	12,058.0	12,059.0	8/29/2022
15.881.9	6.714.6	PROPPANT FRAC; 16578-16762; 8/23/2022	NIOBRARA, Original Hole		4	12,088.0	12,089.0	8/29/2022
16.092.8	6.714.1	PROPPANT FRAC; 16793-16974; 8/22/2022	NIOBRARA, Original Hole		4	12,118.0	12,119.0	8/29/2022
16.275.9	6.712.9	PROPPANT FRAC; 17005-17187; 8/22/2022	NIOBRARA, Original Hole		4	12,146.0	12,147.0	8/29/2022
16.485.9	6.712.0	SAND FRAC; 17216-17399; 8/22/2022	NIOBRARA, Original Hole		4	12,179.0	12,180.0	8/29/2022
16.670.9	6.711.5	PROPPANT FRAC; 17428-17520; 8/22/2022	NIOBRARA, Original Hole		4	12,209.0	12,210.0	8/29/2022
16.881.9	6.711.4		NIOBRARA, Original Hole		4	12,240.0	12,241.0	8/29/2022
17.065.0	6.711.6		NIOBRARA, Original Hole		4	12,270.0	12,271.0	8/29/2022
17.275.9	6.711.4		NIOBRARA, Original Hole		4	12,300.0	12,301.0	8/29/2022
17.458.0	6.711.4		NIOBRARA, Original Hole		4	12,330.0	12,331.0	8/28/2022
			NIOBRARA, Original Hole		4	12,359.0	12,360.0	8/28/2022
			NIOBRARA, Original Hole		4	12,391.0	12,392.0	8/28/2022
			NIOBRARA, Original Hole		4	12,422.0	12,423.0	8/28/2022
			NIOBRARA, Original Hole		4	12,454.0	12,455.0	8/28/2022

Land, Original Hole, 10/26/2022 11:24:41 AM			Perforation Data					
MD (ftKB)	TVD (ftKB)	Vertical schematic (actual)	Linked Zone	Explosive Type	Sum of Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
6.708.7	6.388.7		NIOBRARA, Original Hole		4	12,482.0	12,483.0	8/28/2022
7.719.2	6.727.4		NIOBRARA, Original Hole		4	12,513.0	12,514.0	8/28/2022
7.931.1	6.727.4		SAND FRAC; 7682-7841; 9/5/2022		4	12,543.0	12,544.0	8/28/2022
8.113.8	6.728.6		SAND FRAC; 7870-8053; 9/5/2022		4	12,573.0	12,574.0	8/28/2022
8.325.1	6.729.0		SAND FRAC; 8082-8266; 9/4/2022		4	12,604.0	12,605.0	8/28/2022
8.507.9	6.728.2		SAND FRAC; 8295-8478; 9/4/2022		4	12,634.0	12,635.0	8/28/2022
8.720.1	6.727.8		SAND FRAC; 8507-8689; 9/4/2022		4	12,668.0	12,669.0	8/28/2022
8.900.9	6.728.4		SAND FRAC; 8720-8901; 9/3/2022		4	12,695.0	12,696.0	8/28/2022
9.113.8	6.729.3		SAND FRAC; 8932-9115; 9/3/2022		4	12,725.0	12,726.0	8/28/2022
9.296.9	6.729.3		SAND FRAC; 9144-9328; 9/3/2022		4	12,755.0	12,756.0	8/28/2022
9.508.9	6.728.4		SAND FRAC; 9357-9540; 9/3/2022		4	12,786.0	12,787.0	8/28/2022
9.692.9	6.726.3		SAND FRAC; 9569-9752; 9/2/2022		4	12,816.0	12,817.0	8/28/2022
9.901.9	6.724.7		SAND FRAC; 9782-9964; 9/2/2022		4	12,846.0	12,847.0	8/28/2022
10.086.0	6.722.0		SAND FRAC; 9994-10177; 9/2/2022		4	12,875.0	12,876.0	8/28/2022
10.299.9	6.720.9		SAND FRAC; 10206-10390; 9/1/2022		4	12,907.0	12,908.0	8/28/2022
10.481.0	6.723.1		SAND FRAC; 10419-10602; 8/31/2022		4	12,938.0	12,939.0	8/28/2022
10.691.9	6.723.7		SAND FRAC; 10631-10814; 8/31/2022		4	12,970.0	12,971.0	8/28/2022
10.875.0	6.725.1		SAND FRAC; 10844-11027; 8/31/2022		4	12,998.0	12,999.0	8/28/2022
11.056.1	6.726.2		PROPPANT FRAC; 11056-11239; 8/30/2022		4	13,028.0	13,029.0	8/28/2022
11.235.9	6.725.6		PROPPANT FRAC; 11268-11451; 8/30/2022		4	13,059.0	13,060.0	8/28/2022
11.420.9	6.725.5		PROPPANT FRAC; 11481-11663; 8/30/2022		4	13,088.0	13,089.0	8/28/2022
11.632.9	6.724.6		PROPPANT FRAC; 11693-11877; 8/29/2022		4	13,120.0	13,121.0	8/28/2022
11.815.9	6.724.2		PROPPANT FRAC; 11906-12089; 8/29/2022		4	13,150.0	13,151.0	8/28/2022
12.026.9	6.722.3		SAND FRAC; 12118-12301; 8/29/2022		4	13,182.0	13,183.0	8/27/2022
12.210.0	6.721.3		PROPPANT FRAC; 12330-12514; 8/28/2022		4	13,182.0	13,183.0	8/27/2022
12.421.9	6.720.9		PROPPANT FRAC; 12543-12726; 8/28/2022		4	13,210.0	13,211.0	8/27/2022
12.605.0	6.720.4		PROPPANT FRAC; 12755-12938; 8/28/2022		4	13,241.0	13,242.0	8/27/2022
12.815.9	6.721.9		PROPPANT FRAC; 12968-13150; 8/28/2022		4	13,271.0	13,272.0	8/27/2022
12.998.0	6.723.0		PROPPANT FRAC; 13180-13363; 8/27/2022		4	13,300.0	13,301.0	8/27/2022
13.182.1	6.724.5		PROPPANT FRAC; 13392-13576; 8/27/2022		4	13,332.0	13,333.0	8/27/2022
13.362.9	6.726.3		SAND FRAC; 13605-13788; 8/27/2022		4	13,362.0	13,363.0	8/27/2022
13.575.1	6.726.3		PROPPANT FRAC; 13818-14001; 8/26/2022		4	13,392.0	13,393.0	8/27/2022
13.757.9	6.725.1		PROPPANT FRAC; 14034-14213; 8/26/2022		4	13,423.0	13,424.0	8/27/2022
13.969.2	6.723.2		PROPPANT FRAC; 14242-14424; 8/26/2022		4	13,453.0	13,454.0	8/27/2022
14.151.9	6.722.1		PROPPANT FRAC; 14454-14637; 8/26/2022		4	13,484.0	13,485.0	8/27/2022
14.304.1	6.722.2		PROPPANT FRAC; 14667-14850; 8/25/2022		4	13,518.0	13,519.0	8/27/2022
14.515.1	6.722.2		PROPPANT FRAC; 14879-15063; 8/25/2022		4	13,544.0	13,545.0	8/27/2022
14.698.2	6.723.1		SAND FRAC; 15092-15275; 8/25/2022		4	13,575.0	13,576.0	8/27/2022
14.910.1	6.722.9		PROPPANT FRAC; 15304-15487; 8/24/2022		4	13,605.0	13,606.0	8/27/2022
15.092.8	6.721.0		PROPPANT FRAC; 15516-15700; 8/24/2022		4	13,635.0	13,636.0	8/27/2022
15.304.1	6.719.7		PROPPANT FRAC; 15729-15911; 8/24/2022		4	13,664.0	13,665.0	8/27/2022
15.486.9	6.718.2		PROPPANT FRAC; 15941-16124; 8/24/2022		4	13,696.0	13,697.0	8/27/2022
15.699.1	6.715.4		PROPPANT FRAC; 16154-16337; 8/23/2022		4	13,726.0	13,727.0	8/27/2022
15.881.9	6.714.6		PROPPANT FRAC; 16366-16548; 8/23/2022		4	13,757.0	13,758.0	8/27/2022
16.092.8	6.714.1	PROPPANT FRAC; 16578-16762; 8/23/2022		4	13,787.0	13,788.0	8/27/2022	
16.275.9	6.712.9	PROPPANT FRAC; 16793-16974; 8/22/2022		4	13,818.0	13,819.0	8/26/2022	
16.485.9	6.712.0	PROPPANT FRAC; 17005-17187; 8/22/2022		4	13,848.0	13,849.0	8/26/2022	
16.670.9	6.711.5	SAND FRAC; 17216-17399; 8/22/2022		4	13,878.0	13,879.0	8/26/2022	
16.881.9	6.711.4	PROPPANT FRAC; 17428-17520; 8/22/2022		4	13,908.0	13,909.0	8/26/2022	
17.065.0	6.711.6			4	13,939.0	13,940.0	8/26/2022	
17.275.9	6.711.4			4	13,969.0	13,970.0	8/26/2022	
17.458.0	6.711.4			4	14,000.0	14,001.0	8/26/2022	
				4	14,034.0	14,035.0	8/26/2022	
				4	14,060.0	14,061.0	8/26/2022	
				4	14,090.0	14,091.0	8/26/2022	
				4	14,121.0	14,122.0	8/26/2022	
				4	14,151.0	14,152.0	8/26/2022	

Land, Original Hole, 10/26/2022 11:24:41 AM			Perforation Data					
MD (ftKB)	TVD (ftKB)	Vertical schematic (actual)	Linked Zone	Explosive Type	Sum of Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
6.708.7	6.388.7		NIOBRARA, Original Hole		4	14,182.0	14,183.0	8/26/2022
7.719.2	6.727.4		NIOBRARA, Original Hole		4	14,212.0	14,213.0	8/26/2022
7.931.1	6.727.4		SAND FRAC; 7682-7841; 9/5/2022		4	14,244.0	14,245.0	8/26/2022
8.113.8	6.728.6		SAND FRAC; 7870-8053; 9/5/2022		4	14,272.0	14,273.0	8/26/2022
8.325.1	6.729.0		SAND FRAC; 8082-8266; 9/4/2022		4	14,303.0	14,304.0	8/26/2022
8.507.9	6.728.2		SAND FRAC; 8295-8478; 9/4/2022		4	14,333.0	14,334.0	8/26/2022
8.720.1	6.727.8		SAND FRAC; 8507-8689; 9/4/2022		4	14,364.0	14,365.0	8/26/2022
8.900.9	6.728.4		SAND FRAC; 8720-8901; 9/3/2022		4	14,394.0	14,395.0	8/26/2022
9.113.8	6.729.3		SAND FRAC; 8932-9115; 9/3/2022		4	14,424.0	14,425.0	8/26/2022
9.296.9	6.729.3		SAND FRAC; 9144-9328; 9/3/2022		4	14,454.0	14,455.0	8/26/2022
9.508.9	6.728.4		SAND FRAC; 9357-9540; 9/3/2022		4	14,485.0	14,486.0	8/26/2022
9.692.9	6.726.3		SAND FRAC; 9569-9752; 9/2/2022		4	14,515.0	14,516.0	8/26/2022
9.901.9	6.724.7		SAND FRAC; 9782-9964; 9/2/2022		4	14,546.0	14,547.0	8/26/2022
10.086.0	6.722.0		SAND FRAC; 9994-10177; 9/2/2022		4	14,576.0	14,577.0	8/26/2022
10.299.9	6.720.9		SAND FRAC; 10206-10390; 9/1/2022		4	14,606.0	14,607.0	8/26/2022
10.481.0	6.723.1		SAND FRAC; 10419-10602; 8/31/2022		4	14,637.0	14,638.0	8/26/2022
10.691.9	6.723.7		SAND FRAC; 10631-10814; 8/31/2022		4	14,667.0	14,668.0	8/25/2022
10.875.0	6.725.1		SAND FRAC; 10844-11027; 8/31/2022		4	14,697.0	14,698.0	8/25/2022
11.056.1	6.726.2		SAND FRAC; 11056-11239; 8/30/2022		4	14,725.0	14,726.0	8/25/2022
11.235.9	6.725.6		PROPPANT FRAC; 11481-11663; 8/30/2022		4	14,758.0	14,759.0	8/25/2022
11.420.9	6.725.5		PROPPANT FRAC; 11693-11877; 8/29/2022		4	14,788.0	14,789.0	8/25/2022
11.632.9	6.724.6		PROPPANT FRAC; 11906-12089; 8/29/2022		4	14,819.0	14,820.0	8/25/2022
11.815.9	6.724.2		SAND FRAC; 12118-12301; 8/29/2022		4	14,849.0	14,850.0	8/25/2022
12.026.9	6.722.3		PROPPANT FRAC; 12330-12514; 8/28/2022		4	14,879.0	14,880.0	8/25/2022
12.210.0	6.721.3		PROPPANT FRAC; 12543-12726; 8/28/2022		4	14,910.0	14,911.0	8/25/2022
12.421.9	6.720.9		PROPPANT FRAC; 12755-12938; 8/28/2022		4	14,936.0	14,937.0	8/25/2022
12.605.0	6.720.4		PROPPANT FRAC; 12968-13150; 8/28/2022		4	14,970.0	14,971.0	8/25/2022
12.815.9	6.721.9		PROPPANT FRAC; 13180-13363; 8/27/2022		4	15,001.0	15,002.0	8/25/2022
12.998.0	6.723.0		PROPPANT FRAC; 13392-13576; 8/27/2022		4	15,033.0	15,034.0	8/25/2022
13.182.1	6.724.5		SAND FRAC; 13605-13788; 8/27/2022		4	15,062.0	15,063.0	8/25/2022
13.362.9	6.726.3		PROPPANT FRAC; 13818-14001; 8/26/2022		4	15,092.0	15,093.0	8/25/2022
13.575.1	6.726.3		PROPPANT FRAC; 14034-14213; 8/26/2022		4	15,122.0	15,123.0	8/25/2022
13.757.9	6.725.1		PROPPANT FRAC; 14242-14424; 8/26/2022		4	15,152.0	15,153.0	8/25/2022
13.969.2	6.723.2		PROPPANT FRAC; 14454-14637; 8/26/2022		4	15,183.0	15,184.0	8/25/2022
14.151.9	6.722.1		PROPPANT FRAC; 14667-14850; 8/25/2022		4	15,213.0	15,214.0	8/25/2022
14.304.1	6.722.2		PROPPANT FRAC; 14879-15063; 8/25/2022		4	15,246.0	15,247.0	8/25/2022
14.515.1	6.722.2		SAND FRAC; 15092-15275; 8/25/2022		4	15,274.0	15,275.0	8/25/2022
14.698.2	6.723.1		PROPPANT FRAC; 15304-15487; 8/24/2022		4	15,304.0	15,305.0	8/24/2022
14.910.1	6.722.9		PROPPANT FRAC; 15516-15700; 8/24/2022		4	15,336.0	15,337.0	8/24/2022
15.092.8	6.721.0		PROPPANT FRAC; 15729-15911; 8/24/2022		4	15,365.0	15,366.0	8/24/2022
15.304.1	6.719.7	PROPPANT FRAC; 15941-16124; 8/24/2022		4	15,395.0	15,396.0	8/24/2022	
15.486.9	6.718.2	PROPPANT FRAC; 16154-16337; 8/23/2022		4	15,426.0	15,427.0	8/24/2022	
15.699.1	6.715.4	PROPPANT FRAC; 16366-16548; 8/23/2022		4	15,456.0	15,457.0	8/24/2022	
15.881.9	6.714.6	PROPPANT FRAC; 16578-16762; 8/23/2022		4	15,486.0	15,487.0	8/24/2022	
16.092.8	6.714.1	PROPPANT FRAC; 16793-16974; 8/22/2022		4	15,516.0	15,517.0	8/24/2022	
16.275.9	6.712.9	PROPPANT FRAC; 17005-17187; 8/22/2022		4	15,547.0	15,548.0	8/24/2022	
16.485.9	6.712.0	SAND FRAC; 17216-17399; 8/22/2022		4	15,577.0	15,578.0	8/24/2022	
16.670.9	6.711.5	PROPPANT FRAC; 17428-17520; 8/22/2022		4	15,608.0	15,609.0	8/24/2022	
16.881.9	6.711.4			4	15,638.0	15,639.0	8/24/2022	
17.065.0	6.711.6			4	15,668.0	15,669.0	8/24/2022	
17.275.9	6.711.4			4	15,699.0	15,700.0	8/24/2022	
17.458.0	6.711.4			4	15,729.0	15,730.0	8/24/2022	
				4	15,759.0	15,760.0	8/24/2022	
				4	15,790.0	15,791.0	8/24/2022	
				4	15,820.0	15,821.0	8/24/2022	
				4	15,850.0	15,851.0	8/24/2022	

Land, Original Hole, 10/26/2022 11:24:41 AM			Perforation Data					
MD (ftKB)	TVD (ftKB)	Vertical schematic (actual)	Linked Zone	Explosive Type	Sum of Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
6.708.7	6.388.7		NIOBRARA, Original Hole		4	15,881.0	15,882.0	8/24/2022
7.719.2	6.727.4		NIOBRARA, Original Hole		4	15,911.0	15,912.0	8/24/2022
7.931.1	6.727.4	SAND FRAC; 7682-7841; 9/5/2022	NIOBRARA, Original Hole		4	15,941.0	15,942.0	8/23/2022
8.113.8	6.728.6	SAND FRAC; 7870-8053; 9/5/2022	NIOBRARA, Original Hole		4	15,941.0	15,942.0	8/23/2022
8.325.1	6.729.0	SAND FRAC; 8082-8266; 9/4/2022	NIOBRARA, Original Hole		4	15,972.0	15,973.0	8/23/2022
8.507.9	6.728.2	SAND FRAC; 8295-8478; 9/4/2022	NIOBRARA, Original Hole		4	15,972.0	15,973.0	8/23/2022
8.720.1	6.727.8	SAND FRAC; 8507-8689; 9/4/2022	NIOBRARA, Original Hole		4	16,002.0	16,003.0	8/23/2022
8.900.9	6.728.4	SAND FRAC; 8720-8901; 9/3/2022	NIOBRARA, Original Hole		4	16,002.0	16,003.0	8/23/2022
9.113.8	6.729.3	SAND FRAC; 8932-9115; 9/3/2022	NIOBRARA, Original Hole		4	16,032.0	16,033.0	8/23/2022
9.296.9	6.729.3	SAND FRAC; 9144-9328; 9/3/2022	NIOBRARA, Original Hole		4	16,032.0	16,033.0	8/23/2022
9.508.9	6.728.4	SAND FRAC; 9357-9540; 9/3/2022	NIOBRARA, Original Hole		4	16,060.0	16,061.0	8/23/2022
9.692.9	6.726.3	SAND FRAC; 9569-9752; 9/2/2022	NIOBRARA, Original Hole		4	16,060.0	16,061.0	8/23/2022
9.901.9	6.724.7	SAND FRAC; 9782-9964; 9/2/2022	NIOBRARA, Original Hole		4	16,093.0	16,094.0	8/23/2022
10.086.0	6.722.0	SAND FRAC; 9994-10177; 9/2/2022	NIOBRARA, Original Hole		4	16,093.0	16,094.0	8/23/2022
10.299.9	6.720.9	SAND FRAC; 10206-10390; 9/1/2022	NIOBRARA, Original Hole		4	16,124.0	16,125.0	8/23/2022
10.481.0	6.723.1	SAND FRAC; 10419-10602; 8/31/2022	NIOBRARA, Original Hole		4	16,124.0	16,125.0	8/23/2022
10.691.9	6.723.7	SAND FRAC; 10631-10814; 8/31/2022	NIOBRARA, Original Hole		4	16,154.0	16,155.0	8/23/2022
10.875.0	6.725.1	SAND FRAC; 10844-11027; 8/31/2022	NIOBRARA, Original Hole		4	16,184.0	16,185.0	8/23/2022
11.056.1	6.726.2	SAND FRAC; 10994-11177; 8/31/2022	NIOBRARA, Original Hole		4	16,214.0	16,215.0	8/23/2022
11.235.9	6.725.6	PROPPANT FRAC; 11056-11239; 8/30/2022	NIOBRARA, Original Hole		4	16,245.0	16,246.0	8/23/2022
11.420.9	6.725.5	PROPPANT FRAC; 11268-11451; 8/30/2022	NIOBRARA, Original Hole		4	16,275.0	16,276.0	8/23/2022
11.632.9	6.724.6	PROPPANT FRAC; 11481-11663; 8/30/2022	NIOBRARA, Original Hole		4	16,306.0	16,307.0	8/23/2022
11.815.9	6.724.2	PROPPANT FRAC; 11693-11877; 8/29/2022	NIOBRARA, Original Hole		4	16,336.0	16,337.0	8/23/2022
12.026.9	6.722.3	PROPPANT FRAC; 11906-12089; 8/29/2022	NIOBRARA, Original Hole		4	16,366.0	16,367.0	8/23/2022
12.210.0	6.721.3	SAND FRAC; 12118-12301; 8/29/2022	NIOBRARA, Original Hole		4	16,396.0	16,397.0	8/23/2022
12.421.9	6.720.9	PROPPANT FRAC; 12330-12514; 8/28/2022	NIOBRARA, Original Hole		4	16,427.0	16,428.0	8/23/2022
12.605.0	6.720.4	PROPPANT FRAC; 12543-12726; 8/28/2022	NIOBRARA, Original Hole		4	16,457.0	16,458.0	8/23/2022
12.815.9	6.721.9	PROPPANT FRAC; 12755-12938; 8/28/2022	NIOBRARA, Original Hole		4	16,486.0	16,487.0	8/23/2022
12.998.0	6.723.0	PROPPANT FRAC; 12968-13150; 8/28/2022	NIOBRARA, Original Hole		4	16,518.0	16,519.0	8/23/2022
13.182.1	6.724.5	PROPPANT FRAC; 13180-13363; 8/27/2022	NIOBRARA, Original Hole		4	16,548.0	16,549.0	8/23/2022
13.362.9	6.726.3	PROPPANT FRAC; 13392-13576; 8/27/2022	NIOBRARA, Original Hole		4	16,578.0	16,579.0	8/23/2022
13.575.1	6.726.3	SAND FRAC; 13605-13788; 8/27/2022	NIOBRARA, Original Hole		4	16,609.0	16,610.0	8/23/2022
13.757.9	6.725.1	PROPPANT FRAC; 13818-14001; 8/26/2022	NIOBRARA, Original Hole		4	16,639.0	16,640.0	8/23/2022
13.969.2	6.723.2	PROPPANT FRAC; 14034-14213; 8/26/2022	NIOBRARA, Original Hole		4	16,670.0	16,671.0	8/23/2022
14.151.9	6.722.1	PROPPANT FRAC; 14242-14424; 8/26/2022	NIOBRARA, Original Hole		4	16,698.0	16,699.0	8/23/2022
14.304.1	6.722.2	PROPPANT FRAC; 14454-14637; 8/26/2022	NIOBRARA, Original Hole		4	16,730.0	16,731.0	8/23/2022
14.515.1	6.722.2	PROPPANT FRAC; 14667-14850; 8/25/2022	NIOBRARA, Original Hole		4	16,761.0	16,762.0	8/23/2022
14.698.2	6.723.1	PROPPANT FRAC; 14879-15063; 8/25/2022	NIOBRARA, Original Hole		4	16,793.0	16,794.0	8/22/2022
14.910.1	6.722.9	SAND FRAC; 15092-15275; 8/25/2022	NIOBRARA, Original Hole		4	16,821.0	16,822.0	8/22/2022
15.092.8	6.721.0	PROPPANT FRAC; 15304-15487; 8/24/2022	NIOBRARA, Original Hole		4	16,852.0	16,853.0	8/22/2022
15.304.1	6.719.7	PROPPANT FRAC; 15516-15700; 8/24/2022	NIOBRARA, Original Hole		4	16,882.0	16,883.0	8/22/2022
15.486.9	6.718.2	PROPPANT FRAC; 15729-15911; 8/24/2022	NIOBRARA, Original Hole		4	16,912.0	16,913.0	8/22/2022
15.699.1	6.715.4	PROPPANT FRAC; 15941-16124; 8/24/2022	NIOBRARA, Original Hole		4	16,943.0	16,944.0	8/22/2022
15.881.9	6.714.6	PROPPANT FRAC; 16154-16337; 8/23/2022	NIOBRARA, Original Hole		4	16,973.0	16,974.0	8/22/2022
16.092.8	6.714.1	PROPPANT FRAC; 16366-16548; 8/23/2022	NIOBRARA, Original Hole		4	17,005.0	17,006.0	8/22/2022
16.275.9	6.712.9	PROPPANT FRAC; 16578-16762; 8/23/2022	NIOBRARA, Original Hole		4	17,034.0	17,035.0	8/22/2022
16.485.9	6.712.0	PROPPANT FRAC; 16793-16974; 8/22/2022	NIOBRARA, Original Hole		4	17,064.0	17,065.0	8/22/2022
16.670.9	6.711.5	PROPPANT FRAC; 17005-17187; 8/22/2022	NIOBRARA, Original Hole		4	17,094.0	17,095.0	8/22/2022
16.881.9	6.711.4	SAND FRAC; 17216-17399; 8/22/2022	NIOBRARA, Original Hole		4	17,125.0	17,126.0	8/22/2022
17.065.0	6.711.6	PROPPANT FRAC; 17428-17520; 8/22/2022	NIOBRARA, Original Hole		4	17,155.0	17,156.0	8/22/2022
17.275.9	6.711.4		NIOBRARA, Original Hole		4	17,186.0	17,187.0	8/22/2022
17.458.0	6.711.4		NIOBRARA, Original Hole		4	17,216.0	17,217.0	8/22/2022
			NIOBRARA, Original Hole		4	17,246.0	17,247.0	8/22/2022
			NIOBRARA, Original Hole		4	17,276.0	17,277.0	8/22/2022
			NIOBRARA, Original Hole		4	17,309.0	17,310.0	8/22/2022
			NIOBRARA, Original Hole		4	17,337.0	17,338.0	8/22/2022



Perforation Data					
Linked Zone	Explosive Type	Sum of Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
NIOBRARA, Original Hole		4	17,368.0	17,369.0	8/22/2022
NIOBRARA, Original Hole		4	17,398.0	17,399.0	8/22/2022
NIOBRARA, Original Hole		4	17,428.0	17,429.0	8/21/2022
NIOBRARA, Original Hole		4	17,458.0	17,459.0	8/21/2022
NIOBRARA, Original Hole		4	17,489.0	17,490.0	8/21/2022
NIOBRARA, Original Hole		4	17,519.0	17,520.0	8/21/2022
<b>Total (Sum)</b>		<b>1,332</b>			
Stimulation Intervals					
Interval Number	Start Date	Primary Job Type	Zone		
1	8/22/2022	Complete	NIOBRARA, Original Hole		
Technical Result		Tech Result Details		Tech Result Note	
Success - Pumped as Planned		Pumped as designed			
Comment					
FRAC NOTES ATTACHED					
Interval Number	Start Date	Primary Job Type	Zone		
2	8/22/2022	Complete	NIOBRARA, Original Hole		
Technical Result		Tech Result Details		Tech Result Note	
Success - Pumped as Planned		Pumped as designed			
Comment					
FRAC NOTES ATTACHED					
Interval Number	Start Date	Primary Job Type	Zone		
3	8/22/2022	Complete	NIOBRARA, Original Hole		
Technical Result		Tech Result Details		Tech Result Note	
Success - Pumped as Planned		Pumped as designed			
Comment					
FRAC NOTES ATTACHED					
Interval Number	Start Date	Primary Job Type	Zone		
4	8/22/2022	Complete	NIOBRARA, Original Hole		
Technical Result		Tech Result Details		Tech Result Note	
Success - Pumped as Planned		Pumped as designed			
Comment					
FRAC NOTES ATTACHED					
Interval Number	Start Date	Primary Job Type	Zone		
5	8/23/2022	Complete	NIOBRARA, Original Hole		
Technical Result		Tech Result Details		Tech Result Note	
Success - Pumped as Planned		Pumped as designed			
Comment					
FRAC NOTES ATTACHED					
Interval Number	Start Date	Primary Job Type	Zone		
6	8/23/2022	Complete	NIOBRARA, Original Hole		
Technical Result		Tech Result Details		Tech Result Note	
Success - Pumped as Planned		Pumped as designed			
Comment					
FRAC NOTES ATTACHED					
Interval Number	Start Date	Primary Job Type	Zone		
7	8/23/2022	Complete	NIOBRARA, Original Hole		
Technical Result		Tech Result Details		Tech Result Note	
Success - Pumped as Planned		Pumped as designed			
Comment					
FRAC NOTES ATTACHED					
Interval Number	Start Date	Primary Job Type	Zone		
8	8/24/2022	Complete	NIOBRARA, Original Hole		
Technical Result		Tech Result Details		Tech Result Note	
Success - Pumped as Planned		Pumped as designed			
Comment					
FRAC NOTES ATTACHED					





MD (ftKB) / TVD (ftKB)		Vertical schematic (actual)	Stimulation Intervals						
6.708.7	6.388.7		Interval Num	Start Date	Primary Job Type	Zone			
7.719.2	6.727.4		29	8/30/2022	Complete	NIOBRARA, Original Hole			
7.931.1	6.727.4		Technical Result				Tech Result Note		
8.113.8	6.728.6		Success - Pumped as Planned				Pumped as designed		
8.325.1	6.729.0		Comment						
8.507.9	6.728.2		FRAC NOTES ATTACHED						
8.720.1	6.727.8		Interval Num				Start Date	Primary Job Type	Zone
8.900.9	6.728.4		30	8/30/2022	Complete	NIOBRARA, Original Hole			
9.113.8	6.729.3		Technical Result				Tech Result Note		
9.296.9	6.729.3		Success - Pumped as Planned				Pumped as designed		
9.508.9	6.728.4		Comment						
9.692.9	6.726.3		FRAC NOTES ATTACHED						
9.901.9	6.724.7		Interval Num				Start Date	Primary Job Type	Zone
10.086.0	6.722.0		31	8/30/2022	Complete	NIOBRARA, Original Hole			
10.299.9	6.720.9		Technical Result				Tech Result Note		
10.481.0	6.723.1		Success - Pumped as Planned				Pumped as designed		
10.691.9	6.723.7		Comment						
10.875.0	6.725.1		FRAC NOTES ATTACHED						
11.056.1	6.726.2		Interval Num				Start Date	Primary Job Type	Zone
11.235.9	6.725.6		32	8/31/2022	Complete	NIOBRARA, Original Hole			
11.420.9	6.725.5		Technical Result				Tech Result Note		
11.632.9	6.724.6		Success - Pumped as Planned				Pumped as designed		
11.815.9	6.724.2		Comment						
12.026.9	6.722.3		FRAC NOTES ATTACHED						
12.210.0	6.721.3		Interval Num				Start Date	Primary Job Type	Zone
12.421.9	6.720.9		33	8/31/2022	Complete	NIOBRARA, Original Hole			
12.605.0	6.720.4		Technical Result				Tech Result Note		
12.815.9	6.721.9		Success - Pumped as Planned				Pumped as designed		
12.998.0	6.723.0		Comment						
13.182.1	6.724.5		FRAC NOTES ATTACHED						
13.362.9	6.726.3		Interval Num				Start Date	Primary Job Type	Zone
13.575.1	6.726.3		34	8/31/2022	Complete	NIOBRARA, Original Hole			
13.757.9	6.725.1		Technical Result				Tech Result Note		
13.969.2	6.723.2		Success - Pumped as Planned				Pumped as designed		
14.151.9	6.722.1		Comment						
14.304.1	6.722.2		FRAC NOTES ATTACHED						
14.515.1	6.722.2		Interval Num				Start Date	Primary Job Type	Zone
14.698.2	6.723.1		35	9/1/2022	Complete	NIOBRARA, Original Hole			
14.910.1	6.722.9		Technical Result				Tech Result Note		
15.092.8	6.721.0		Success - Pumped as Planned				Pumped as designed		
15.304.1	6.719.7		Comment						
15.486.9	6.718.2		FRAC NOTES ATTACHED						
15.699.1	6.715.4		Interval Num				Start Date	Primary Job Type	Zone
15.881.9	6.714.6		36	9/2/2022	Complete	NIOBRARA, Original Hole			
16.092.8	6.714.1		Technical Result				Tech Result Note		
16.275.9	6.712.9		Success - Pumped as Planned				Pumped as designed		
16.485.9	6.712.0		Comment						
16.670.9	6.711.5		FRAC NOTES ATTACHED						
16.881.9	6.711.4		Interval Num				Start Date	Primary Job Type	Zone
17.065.0	6.711.6		37	9/2/2022	Complete	NIOBRARA, Original Hole			
17.275.9	6.711.4		Technical Result				Tech Result Note		
17.458.0	6.711.4		Success - Pumped as Planned				Pumped as designed		
			Comment						
			FRAC NOTES ATTACHED						
			Interval Num				Start Date	Primary Job Type	Zone
			38	9/2/2022	Complete	NIOBRARA, Original Hole			
			Technical Result				Tech Result Note		
			Success - Pumped as Planned				Pumped as designed		
			Comment						
			FRAC NOTES ATTACHED						

