Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

	WELL API NO. 30-025-40448
	5. Indicate Type of Lease STATE ☐ FEE ☒
	6. State Oil & Gas Lease No. NMLC063798
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) 1. Type of Well: Oil Well ☐ Gas Well ☒ Other Acid Gas Injection	7. Lease Name or Unit Agreement Name Red Hills AGI
	8. Well Number 1
2. Name of Operator Lucid Energy Delaware, LLC	9. OGRID Number 372422
3. Address of Operator 3100 McKinnon Street, Suite 800, Dallas, TX 75201	10. Pool name or Wildcat Exploratory Cherry Canyon
4. Well Location Unit Letter I : 1600 feet from the South line and 150 feet from the East line Section 13 Township 24S Range 33E NMPM County Lea	
	11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3580 ft GL

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐		OTHER: TAG Gas concentration & injection volume per R-13507F ☒	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Six month report of TAG composition and injection volumes from the Red Hills Plant being injected into the Red Hills AGI #1 as required by NMOCC Order R-13507 item F and agreements with NMOCD staff.

During the period of July - December 2022 the measured H_2S concentrations in the TAG ranged from about 4.43% to 15.79% with an average value of about 10.35% as derived from direct sampling and analysis of the TAG entering the well. Appendix A table 1 details the gas analysis of thirteen TAG samples Targa Northern Delaware had taken during the report period to measure H_2S concentration directly. Average daily TAG volume injected is about 1475 MSCFD for the reporting period.

This report is submitted to fulfill the reporting requirement established by NMOCD for sampling of TAG concentrations every six-months beginning in June 2018. The following information is contained herein:

1. Measured TAG concentrations and volumes for each of the thirteen TAG sampling events (Appendix A, Table 1)
2. Graph of TAG volumes July 1, 2022 – December 31, 2022 (Appendix A, Figure 1)
3. C6+ Gas/Vapor Fractional Analysis report for each sample date (Appendix B)
4. Anticipated range of H2S concentrations in TAG under normal operating conditions.

Attachment A to this C-103 includes all supporting analyses and data. NMOCD requested that sampling be done and reported any time a major source change occurs and every six months normally. These results will be submitted to Santa Fe and the Hobbs District office on a C-103 form to be incorporated into the well file by NMOCD upon receipt.

Based on an analysis of the data attached herein, Lucid Energy anticipates the H_2S concentrations being injected into the Red Hills AGI #1 to range between 4.43% and 15.79%. Lucid Energy will notify the NM OCD if concentrations differ substantially based on inlet gas chances or gathering system updates.

Spud Date: | Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signature: Matt Eales Title: VP of Regulatory Affairs Date: 02/06/24

Type or print name: Matt Eales E-mail Address: meales@targaresources.com Phone: 832-496-7513

For State Use Only

APPROVED BY:_____ TITLE_____ DATE_____

Conditions of Approval (if any):

Appendix A: Summarized TAG Concentrations and Injection Volumes for Red Hills AGI #1

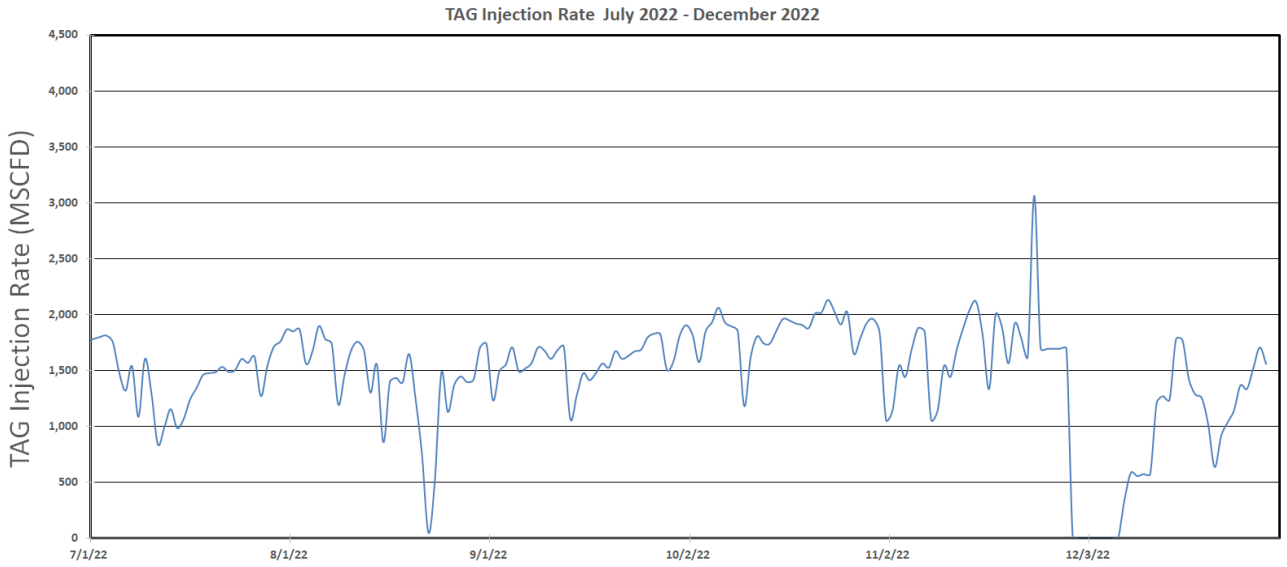

Figure 1 Lucid Red Hills AGI#1 TAG Injection Rate Q3 and Q4 2022

TAG Concentration

Date	H_2S %	CO_2 %
7/13/2022	15.79	83.73
7/27/2022	14.05	85.49
8/10/2022	12.41	87.21
8/24/2022	4.43	38.07
9/7/2022	9.19	90.25
9/21/2022	11.20	88.34
10/5/2022	8.79	90.74
10/19/2022	12.94	86.69
11/2/2022	7.62	90.96
11/16/2022	12.61	86.27
11/28/2022	7.65	90.70
12/14/2022	12.58	86.65
12/28/2022	5.28	93.13
Average	10.35	84.48

Appendix B: Red Hills AGI #1 C6+ Gas/Vapor Fractional Analysis by Date

Pantechs Laboratories, Inc. - Order: 428-3457 Order Date: 7/13/2022
Order Description: BiWeekly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Lucid Energy Delaware	**Pressure**	12 psig
Location	Red Hills Processing Complex	**Sample Temp**	N/A
Site	AGI Plant	**Atm Temp**	70 F
Site Type	Plant	**Collection Date**	07/13/2022
Sample Point	Inlet to Compressor	**Collection Time**	8:07 AM
Spot/Composite	Spot	**Collection By**	Mike McKinney
Meter ID		**Pressure Base**	14.73 psi
Purchaser		**Temperature Base**	60 F
Fluid	Gas	**Container(s)**	PLS016

GPA 2261 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	0.008	0.005	0.001
CARBON DIOXIDE	CO2	83.733	86.920	14.362
HYDROGEN SULFIDE	H2S	15.794	12.696	2.141
METHANE	C1	0.256	0.097	0.044
ETHANE	C2	0.073	0.052	0.020
PROPANE	C3	0.030	0.031	0.008
I-BUTANE	iC4	0.032	0.044	0.011
N-BUTANE	nC4	0.010	0.014	0.003
I-PENTANE	iC5	0.003	0.005	0.001
N-PENTANE	nC5	0.002	0.003	0.001
HEXANES PLUS	C6+	0.059	0.133	0.025
TOTALS:		**100.000**	**100.000**	**16.617**

Value of "0.000" in fractional interpreted as below detectable limit.
If Onsite H2S testing is performed, its resulting value is used in fractional table

LIQUID YIELD	C2+	C3+	C4+	C5+	26# Gasoline	10# Gasoline
GAL/MSCF (GPM)	0.069	0.049	0.041	0.027	0.039	0.030

CALCULATED PROPERTIES	BTU/CF	Specific Gr.	Z Factor	Mol Weight	Wobbe Index
DRY	110.86	1.473	0.994	42.397	91.36
WATER SATURATED	109.86	1.458	0.993	41.660	

Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV
GPA2377	H2S	15.6853	9,960.18	158,366.9

Pantechs Laboratories, Inc. - Order: 413-3515 Order Date: 7/27/2022
Order Description: BiWeekly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Lucid Energy Delaware	**Pressure**	12 psig
Location	Red Hills Processing Complex	**Sample Temp**	N/A
Site	AGI Plant	**Atm Temp**	80 F
Site Type	Plant	**Collection Date**	07/27/2022
Sample Point	Inlet to Compressor	**Collection Time**	8:28 AM
Spot/Composite	Spot	**Collection By**	Mike McKinney
Meter ID		**Pressure Base**	14.73 psi
Purchaser		**Temperature Base**	60 F
Fluid	Gas	**Container(s)**	PLS031

GPA 2261 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	0.058	0.038	0.006
CARBON DIOXIDE	CO2	85.492	88.412	14.662
HYDROGEN SULFIDE	H2S	14.045	11.247	1.904
METHANE	C1	0.251	0.095	0.043
ETHANE	C2	0.060	0.042	0.016
PROPANE	C3	0.021	0.022	0.006
I-BUTANE	iC4	0.013	0.018	0.004
N-BUTANE	nC4	0.007	0.010	0.002
I-PENTANE	iC5	0.002	0.003	0.001
N-PENTANE	nC5	0.002	0.003	0.001
HEXANES PLUS	C6+	0.049	0.110	0.021
TOTALS:		**100.000**	**100.000**	**16.666**

Value of "0.000" in fractional interpreted as below detectable limit.
If Onsite H2S testing is performed, its resulting value is used in fractional table

LIQUID YIELD	C2+	C3+	C4+	C5+	26# Gasoline	10# Gasoline
GAL/MSCF (GPM)	0.051	0.035	0.029	0.023	0.030	0.025

CALCULATED PROPERTIES	BTU/CF	Specific Gr.	Z Factor	Mol Weight	Wobbe Index
DRY	97.81	1.478	0.994	42.557	80.45
WATER SATURATED	97.03	1.464	0.993	41.817	

Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV
GPA2377	H2S	13.6982	8,698.38	138,304.2

Pantechs Laboratories, Inc. - Order: 525-3567 Order Date: 8/10/2022
Order Description: BiWeekly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Targa Resources Inc	**Pressure**	10 psig
Location	Red Hills Processing Complex	**Sample Temp**	N/A
Site	AGI Plant	**Atm Temp**	75 F
Site Type	Plant	**Collection Date**	08/10/2022
Sample Point	Inlet to Compressor	**Collection Time**	8:13 AM
Spot/Composite	Spot	**Collection By**	Mike McKinney
Meter ID		**Pressure Base**	14.73 psi
Purchaser		**Temperature Base**	60 F
Fluid	Gas	**Container(s)**	PLS008 , PLS010

GPA 2261 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	0.010	0.007	0.001
CARBON DIOXIDE	CO2	87.207	89.816	14.955
HYDROGEN SULFIDE	H2S	12.414	9.901	1.683
METHANE	C1	0.229	0.086	0.039
ETHANE	C2	0.046	0.032	0.012
PROPANE	C3	0.021	0.022	0.006
I-BUTANE	iC4	0.024	0.033	0.008
N-BUTANE	nC4	0.006	0.008	0.002
I-PENTANE	iC5	0.002	0.003	0.001
N-PENTANE	nC5	0.001	0.002	0.000
HEXANES PLUS	C6+	0.040	0.090	0.017
TOTALS:		**100.000**	**100.000**	**16.724**

Value of "0.000" in fractional interpreted as below detectable limit.
If Onsite H2S testing is performed, its resulting value is used in fractional table

LIQUID YIELD	C2+	C3+	C4+	C5+	26# Gasoline	10# Gasoline
GAL/MSCF (GPM)	0.046	0.034	0.028	0.018	0.026	0.020

CALCULATED PROPERTIES	BTU/CF	Specific Gr.	Z Factor	Mol Weight	Wobbe Index
DRY	86.67	1.484	0.994	42.731	71.14
WATER SATURATED	86.08	1.470	0.993	41.988	

Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV
GPA2377	H2S	12.4404	7,899.68	125,604.9

Pantechs Laboratories, Inc. - Order: 342-3612 Order Date: 8/24/2022
Order Description: BiWeekly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Targa Resources Inc	**Pressure**	12 psig
Location	Red Hills Processing Complex	**Sample Temp**	N/A
Site	AGI Plant	**Atm Temp**	70 F
Site Type	Plant	**Collection Date**	08/24/2022
Sample Point	Inlet to Compressor	**Collection Time**	8:16 AM
Spot/Composite	Spot	**Collection By**	Mike McKinney
Meter ID		**Pressure Base**	14.73 psi
Purchaser		**Temperature Base**	60 F
Fluid	Gas	**Container(s)**	PLS008

GPA 2261 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	0.159	0.133	0.018
CARBON DIOXIDE	CO2	38.073	49.847	6.529
HYDROGEN SULFIDE	H2S	4.427	4.488	0.600
METHANE	C1	32.403	15.464	5.526
ETHANE	C2	11.847	10.597	3.188
PROPANE	C3	8.442	11.074	2.341
I-BUTANE	iC4	0.956	1.653	0.315
N-BUTANE	nC4	3.176	5.491	1.008
I-PENTANE	iC5	0.184	0.395	0.068
N-PENTANE	nC5	0.130	0.279	0.047
HEXANES PLUS	C6+	0.203	0.579	0.088
TOTALS:		**100.000**	**100.000**	**19.728**

Value of "0.000" in fractional interpreted as below detectable limit.
If Onsite H2S testing is performed, its resulting value is used in fractional table

LIQUID YIELD	C2+	C3+	C4+	C5+	26# Gasoline	10# Gasoline
GAL/MSCF (GPM)	7.055	3.867	1.526	0.203	0.306	0.170

CALCULATED PROPERTIES	BTU/CF	Specific Gr.	Z Factor	Mol Weight	Wobbe Index
DRY	943.40	1.167	0.994	33.615	873.14
WATER SATURATED	928.28	1.159	0.993	33.031	

Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV
GPA2377	H2S	4.4815	2,845.77	45,247.7

Pantechs Laboratories, Inc. - Order: 20-3653 Order Date: 9/7/2022
Order Description: BiWeekly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Targa Resources Inc	**Pressure**	12 psig
Location	Red Hills Processing Complex	**Sample Temp**	N/A
Site	AGI Plant	**Atm Temp**	65 F
Site Type	Plant	**Collection Date**	09/07/2022
Sample Point	Inlet to Compressor	**Collection Time**	8:05 AM
Spot/Composite	Spot	**Collection By**	Mike McKinney
Meter ID		**Pressure Base**	14.73 psi
Purchaser		**Temperature Base**	60 F
Fluid	Gas	**Container(s)**	PLS007

GPA 2261 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	0.008	0.005	0.001
CARBON DIOXIDE	CO2	90.252	92.283	15.476
HYDROGEN SULFIDE	H2S	9.186	7.274	1.245
METHANE	C1	0.319	0.119	0.054
ETHANE	C2	0.088	0.061	0.024
PROPANE	C3	0.040	0.041	0.011
I-BUTANE	iC4	0.005	0.007	0.002
N-BUTANE	nC4	0.016	0.022	0.005
I-PENTANE	iC5	0.004	0.007	0.001
N-PENTANE	nC5	0.003	0.005	0.001
HEXANES PLUS	C6+	0.079	0.176	0.034
TOTALS:		**100.000**	**100.000**	**16.854**

Value of "0.000" in fractional interpreted as below detectable limit.
If Onsite H2S testing is performed, its resulting value is used in fractional table

LIQUID YIELD	C2+	C3+	C4+	C5+	26# Gasoline	10# Gasoline
GAL/MSCF (GPM)	0.078	0.054	0.043	0.036	0.045	0.040

CALCULATED PROPERTIES	BTU/CF	Specific Gr.	Z Factor	Mol Weight	Wobbe Index
DRY	69.99	1.495	0.994	43.041	57.25
WATER SATURATED	69.69	1.480	0.994	42.293	

Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV
GPA2377	H2S	8.8785	5,637.84	89,641.7

Pantechs Laboratories, Inc. - Order: 219-3719 Order Date: 9/21/2022
Order Description: BiWeekly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Targa Resources Inc	**Pressure**	12 psig
Location	Red Hills Processing Complex	**Sample Temp**	N/A
Site	AGI Plant	**Atm Temp**	70 F
Site Type	Plant	**Collection Date**	09/21/2022
Sample Point	Inlet to Compressor	**Collection Time**	8:11 AM
Spot/Composite	Spot	**Collection By**	Mike McKinney
Meter ID		**Pressure Base**	14.73 psi
Purchaser		**Temperature Base**	60 F
Fluid	Gas	**Container(s)**	PLS033

GPA 2261 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	0.050	0.033	0.006
CARBON DIOXIDE	CO2	88.338	90.726	15.149
HYDROGEN SULFIDE	H2S	11.204	8.910	1.519
METHANE	C1	0.232	0.087	0.040
ETHANE	C2	0.060	0.042	0.016
PROPANE	C3	0.025	0.026	0.007
I-BUTANE	iC4	0.029	0.039	0.010
N-BUTANE	nC4	0.009	0.012	0.003
I-PENTANE	iC5	0.002	0.003	0.001
N-PENTANE	nC5	0.001	0.002	0.000
HEXANES PLUS	C6+	0.000	0.000	0.000
TOTALS:		**100.000**	**100.000**	**16.773**

Value of "0.000" in fractional interpreted as below detectable limit.
If Onsite H2S testing is performed, its resulting value is used in fractional table

LIQUID YIELD	C2+	C3+	C4+	C5+	26# Gasoline	10# Gasoline
GAL/MSCF (GPM)	0.059	0.043	0.036	0.023	0.034	0.026

CALCULATED PROPERTIES	BTU/CF	Specific Gr.	Z Factor	Mol Weight	Wobbe Index
DRY	80.25	1.488	0.994	42.852	65.78
WATER SATURATED	79.77	1.474	0.993	42.107	

Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV
GPA2377	H2S	11.2038	7,114.41	113,119.1

Pantechs Laboratories, Inc. - Order: 317-3748 Order Date: 10/5/2022
Order Description: BiWeekly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Targa Resources Inc	**Pressure**	12 psig
Location	Red Hills Processing Complex	**Sample Temp**	N/A
Site	AGI Plant	**Atm Temp**	60 F
Site Type	Plant	**Collection Date**	10/05/2022
Sample Point	Inlet to Compressor	**Collection Time**	8:14 AM
Spot/Composite	Spot	**Collection By**	Mike McKinney
Meter ID		**Pressure Base**	14.73 psi
Purchaser		**Temperature Base**	60 F
Fluid	Gas	**Container(s)**	PLS016

GPA 2261 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	0.009	0.006	0.001
CARBON DIOXIDE	CO2	90.744	92.672	15.560
HYDROGEN SULFIDE	H2S	8.794	6.955	1.192
METHANE	C1	0.249	0.093	0.042
ETHANE	C2	0.061	0.043	0.016
PROPANE	C3	0.022	0.023	0.006
I-BUTANE	iC4	0.067	0.090	0.022
N-BUTANE	nC4	0.008	0.011	0.003
I-PENTANE	iC5	0.002	0.003	0.001
N-PENTANE	nC5	0.001	0.002	0.000
HEXANES PLUS	C6+	0.001	0.002	0.000
TOTALS:		**100.000**	**100.000**	**16.862**

Value of "0.000" in fractional interpreted as below detectable limit.
If Onsite H2S testing is performed, its resulting value is used in fractional table

LIQUID YIELD	C2+	C3+	C4+	C5+	26# Gasoline	10# Gasoline
GAL/MSCF (GPM)	0.067	0.051	0.045	0.020	0.030	0.023

CALCULATED PROPERTIES	BTU/CF	Specific Gr.	Z Factor	Mol Weight	Wobbe Index
DRY	65.68	1.496	0.994	43.094	53.69
WATER SATURATED	65.45	1.482	0.994	42.345	

Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV
GPA2377	H2S	8.7939	5,584.14	88,787.8

Pantechs Laboratories, Inc. - Order: 973-3804 Order Date: 10/19/2022
Order Description: BiWeekly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Targa Resources Inc	**Pressure**	12 psig
Location	Red Hills Processing Complex	**Sample Temp**	N/A
Site	AGI Plant	**Atm Temp**	50 F
Site Type	Plant	**Collection Date**	10/19/2022
Sample Point	Inlet to Compressor	**Collection Time**	8:07 AM
Spot/Composite	Spot	**Collection By**	Mike McKinney
Meter ID		**Pressure Base**	14.73 psi
Purchaser		**Temperature Base**	60 F
Fluid	Gas	**Container(s)**	PLS023

GPA 2261 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	0.014	0.009	0.002
CARBON DIOXIDE	CO2	86.694	89.375	14.868
HYDROGEN SULFIDE	H2S	12.937	10.328	1.754
METHANE	C1	0.201	0.076	0.034
ETHANE	C2	0.051	0.036	0.014
PROPANE	C3	0.018	0.019	0.005
I-BUTANE	iC4	0.040	0.054	0.013
N-BUTANE	nC4	0.005	0.007	0.002
I-PENTANE	iC5	0.001	0.002	0.000
N-PENTANE	nC5	0.001	0.002	0.000
HEXANES PLUS	C6+	0.000	0.000	0.000
TOTALS:		**100.000**	**100.000**	**16.709**

Value of "0.000" in fractional interpreted as below detectable limit.
If Onsite H2S testing is performed, its resulting value is used in fractional table

LIQUID YIELD	C2+	C3+	C4+	C5+	26# Gasoline	10# Gasoline
GAL/MSCF (GPM)	0.051	0.037	0.032	0.017	0.025	0.020

CALCULATED PROPERTIES	BTU/CF	Specific Gr.	Z Factor	Mol Weight	Wobbe Index
DRY	90.24	1.483	0.994	42.689	74.11
WATER SATURATED	89.59	1.468	0.993	41.947	

Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV
GPA2377	H2S	12.9372	8,215.13	130,620.6

Pantechs Laboratories, Inc. - Order: 883-3869 Order Date: 11/2/2022
Order Description: BiWeekly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Targa Resources Inc	**Pressure**	12 psig
Location	Red Hills Processing Complex	**Sample Temp**	N/A
Site	AGI Plant	**Atm Temp**	55 F
Site Type	Plant	**Collection Date**	11/02/2022
Sample Point	Inlet to Compressor	**Collection Time**	8:16 AM
Spot/Composite	Spot	**Collection By**	Mike McKinney
Meter ID		**Pressure Base**	14.73 psi
Purchaser		**Temperature Base**	60 F
Fluid	Gas	**Container(s)**	PLS003

GPA 2261 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	0.731	0.475	0.081
CARBON DIOXIDE	CO2	90.962	92.913	15.596
HYDROGEN SULFIDE	H2S	7.621	6.028	1.033
METHANE	C1	0.351	0.131	0.060
ETHANE	C2	0.092	0.064	0.025
PROPANE	C3	0.039	0.040	0.011
I-BUTANE	iC4	0.113	0.152	0.037
N-BUTANE	nC4	0.014	0.019	0.004
I-PENTANE	iC5	0.004	0.007	0.001
N-PENTANE	nC5	0.003	0.005	0.001
HEXANES PLUS	C6+	0.003	0.006	0.001
TOTALS:		**100.000**	**100.000**	**16.880**

Value of "0.000" in fractional interpreted as below detectable limit.
If Onsite H2S testing is performed, its resulting value is used in fractional table

LIQUID YIELD	C2+	C3+	C4+	C5+	26# Gasoline	10# Gasoline
GAL/MSCF (GPM)	0.110	0.085	0.074	0.033	0.048	0.037

CALCULATED PROPERTIES	BTU/CF	Specific Gr.	Z Factor	Mol Weight	Wobbe Index
DRY	63.54	1.496	0.994	43.086	51.95
WATER SATURATED	63.34	1.482	0.994	42.337	

Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV
GPA2377	H2S	7.6207	4,839.14	76,942.3

Pantechs Laboratories, Inc. - Order: 762-3912 - Order Date: 11/16/2022
Order Description: Red Hills Processing Complex, BiWeekly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Targa Resources Inc	**Pressure**	15 psig
Location	Red Hills Processing Complex	**Sample Temp**	N/A
Site	AGI Plant	**Atm Temp**	37 F
Site Type	Plant	**Collection Date**	11/16/2022
Sample Point	Inlet to Compressor	**Collection Time**	8:16 AM
Spot/Comp	Spot	**Collection By**	Cody Carson
Meter ID		**Pressure Base**	14.730 psi
Purchaser		**Temperature Base**	60 F
Fluid	Gas	**Container(s)**	PLS017

GPA 2261 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	0.721	0.474	0.080
CARBON DIOXIDE	CO2	86.273	89.113	14.795
HYDROGEN SULFIDE	H2S	12.607	10.084	1.709
METHANE	C1	0.219	0.082	0.037
ETHANE	C2	0.066	0.047	0.018
PROPANE	C3	0.024	0.025	0.007
I-BUTANE	iC4	0.023	0.031	0.008
N-BUTANE	nC4	0.013	0.018	0.004
I-PENTANE	iC5	0.003	0.005	0.001
N-PENTANE	nC5	0.002	0.003	0.001
HEXANES PLUS	C6+	0.049	0.118	0.021
TOTALS:		**100.000**	**100.000**	**16.681**

Value of "0.000" in fractional interpreted as below detectable limit.
If Onsite H2S testing is performed, its resulting value is used in fractional table

LIQUID YIELD	C2+	C3+	C4+	C5+	26# Liquid	10# Liquid
GAL/MSCF (GPM)	0.060	0.042	0.035	0.023	0.035	0.026

GPA 2172/ASTM D3588 CALCULATED PROPERTIES

WATER CONTENT	BTU/CF	Specific Gr.	Z Factor	Mol Weight	Wobbe IDX
DRY	89.16	1.480	0.994	42.608	73.30
WATER SATURATED	88.53	1.465	0.993	41.867	

Pantechs Laboratories, Inc. - Order: 686-3941 - Order Date: 11/28/2022
Order Description: Red Hills Processing Complex, BiWeekly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Targa Resources Inc	**Pressure**	14 psig
Location	Red Hills Processing Complex	**Sample Temp**	N/A
Site	AGI Plant	**Atm Temp**	57 F
Site Type	Plant	**Collection Date**	11/28/2022
Sample Point	Inlet to Compressor	**Collection Time**	10:18 AM
Spot/Comp	Spot	**Collection By**	Cody Carson
Meter ID		**Pressure Base**	14.730 psi
Purchaser		**Temperature Base**	60 F
Fluid	Gas	**Container(s)**	PLS008

GPA 2261 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	1.213	0.790	0.134
CARBON DIOXIDE	CO2	90.700	92.792	15.550
HYDROGEN SULFIDE	H2S	7.650	6.061	1.037
METHANE	C1	0.221	0.082	0.038
ETHANE	C2	0.049	0.034	0.013
PROPANE	C3	0.015	0.015	0.004
I-BUTANE	iC4	0.127	0.172	0.042
N-BUTANE	nC4	0.005	0.007	0.002
I-PENTANE	iC5	0.001	0.002	0.000
N-PENTANE	nC5	0.001	0.002	0.000
HEXANES PLUS	C6+	0.018	0.043	0.008
TOTALS:		**100.000**	**100.000**	**16.828**

Value of "0.000" in fractional interpreted as below detectable limit.
If Onsite H2S testing is performed, its resulting value is used in fractional table

LIQUID YIELD	C2+	C3+	C4+	C5+	26# Liquid	10# Liquid
GAL/MSCF (GPM)	0.069	0.056	0.052	0.008	0.013	0.009

GPA 2172/ASTM D3588 CALCULATED PROPERTIES

WATER CONTENT	BTU/CF	Specific Gr.	Z Factor	Mol Weight	Wobbe IDX
DRY	58.07	1.494	0.994	43.018	47.52
WATER SATURATED	57.97	1.479	0.994	42.270	

Pantechs Laboratories, Inc. - Order: 776-4009 - Order Date: 12/14/2022

Order Description: Red Hills Processing Complex, BiWeekly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Targa Resources Inc	**Pressure**	12 psig
Location	Red Hills Processing Complex	**Sample Temp**	N/A
Site	AGI Plant	**Atm Temp**	36 F
Site Type	Plant	**Collection Date**	12/14/2022
Sample Point	Inlet to Compressor	**Collection Time**	8:17 AM
Spot/Comp	Spot	**Collection By**	Mike McKinney
Meter ID		**Pressure Base**	14.730 psi
Purchaser		**Temperature Base**	60 F
Fluid	Gas	**Container(s)**	PLS002

GPA 2261 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	0.253	0.166	0.028
CARBON DIOXIDE	CO2	86.649	89.265	14.860
HYDROGEN SULFIDE	H2S	12.582	10.037	1.706
METHANE	C1	0.205	0.077	0.035
ETHANE	C2	0.050	0.035	0.013
PROPANE	C3	0.017	0.018	0.005
I-BUTANE	iC4	0.159	0.216	0.052
N-BUTANE	nC4	0.006	0.008	0.002
I-PENTANE	iC5	0.017	0.029	0.006
N-PENTANE	nC5	0.001	0.002	0.000
HEXANES PLUS	C6+	0.061	0.147	0.027
TOTALS:		**100.000**	**100.000**	**16.734**

Value of "0.000" in fractional interpreted as below detectable limit.
If Onsite H2S testing is performed, its resulting value is used in fractional table

LIQUID YIELD	C2+	C3+	C4+	C5+	26# Liquid	10# Liquid
GAL/MSCF (GPM)	0.105	0.092	0.087	0.033	0.046	0.036

GPA 2172/ASTM D3588 CALCULATED PROPERTIES

WATER CONTENT	BTU/CF	Specific Gr.	Z Factor	Mol Weight	Wobbe IDX
DRY	93.84	1.484	0.994	42.720	77.04
WATER SATURATED	93.13	1.469	0.993	41.978	

Onsite Testing by Stain Tube

METHOD	TYPE	MEAS VALUE	MOL%	GRAINS/100	PPMV
GPA2377	H2S	12.00 vol%	12.5821	7,989.62	127,035.0

Mol%, Grains/100, PPMV are pressure and temperature corrected to base conditions.

Pantechs Laboratories, Inc. - Order: 432-4047 - Order Date: 12/28/2022
Order Description: Red Hills Processing Complex, BiWeekly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Targa Resources Inc	**Pressure**	16 psig
Location	Red Hills Processing Complex	**Sample Temp**	N/A
Site	AGI Plant	**Atm Temp**	55 F
Site Type	Plant	**Collection Date**	12/28/2022
Sample Point	Inlet to Compressor	**Collection Time**	10:46 AM
Spot/Comp	Spot	**Collection By**	Cody Carson
Meter ID		**Pressure Base**	14.730 psi
Purchaser		**Temperature Base**	60 F
Fluid	Gas	**Container(s)**	PLS028

GPA 2261 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	1.156	0.748	0.127
CARBON DIOXIDE	CO2	93.127	94.695	15.966
HYDROGEN SULFIDE	H2S	5.277	4.155	0.715
METHANE	C1	0.225	0.083	0.038
ETHANE	C2	0.061	0.042	0.016
PROPANE	C3	0.024	0.024	0.007
I-BUTANE	iC4	0.044	0.059	0.014
N-BUTANE	nC4	0.008	0.011	0.003
I-PENTANE	iC5	0.002	0.003	0.001
N-PENTANE	nC5	0.001	0.002	0.000
HEXANES PLUS	C6+	0.075	0.178	0.033
TOTALS:		**100.000**	**100.000**	**16.920**

Value of "0.000" in fractional interpreted as below detectable limit.
If Onsite H2S testing is performed, its resulting value is used in fractional table

LIQUID YIELD	C2+	C3+	C4+	C5+	26# Liquid	10# Liquid
GAL/MSCF (GPM)	0.074	0.058	0.051	0.034	0.050	0.039

GPA 2172/ASTM D3588 CALCULATED PROPERTIES

WATER CONTENT	BTU/CF	Specific Gr.	Z Factor	Mol Weight	Wobbe IDX
DRY	43.94	1.503	0.994	43.282	35.84
WATER SATURATED	44.07	1.488	0.994	42.530	

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1625 N. French Dr., Hobbs, NM 88240
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District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 312024

CONDITIONS

Operator: Targa Northern Delaware, LLC. 110 W. 7th Street, Suite 2300 Tulsa, OK 74119	OGRID: 331548
	Action Number: 312024
	Action Type: [C-103] Sub. General Sundry (C-103Z)

CONDITIONS

Created By	Condition	Condition Date
anthony.harris	None	2/7/2024