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District II – (575) 748-1283
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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

<p>WELL API NO. 30-025-40448</p>	
<p>5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/></p>	
<p>6. State Oil & Gas Lease No. NMLC063798</p>	
<p>7. Lease Name or Unit Agreement Name Red Hills AGI</p>	
<p>8. Well Number 1</p>	
<p>9. OGRID Number 372422</p>	
<p>10. Pool name or Wildcat Exploratory Cherry Canyon</p>	
<p>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.)</p>	
<p>1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other Acid Gas Injection</p>	
<p>2. Name of Operator Lucid Energy Delaware, LLC</p>	
<p>3. Address of Operator 3100 McKinnon Street, Suite 800, Dallas, TX 75201</p>	
<p>4. Well Location Unit Letter <u>I</u> : <u>1600</u> feet from the <u>South</u> line and <u>150</u> feet from the <u>East</u> line Section <u>13</u> Township <u>24S</u> Range <u>33E</u> NMPM County <u>Lea</u></p>	
<p>11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3580 ft GL</p>	

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

<p>NOTICE OF INTENTION TO:</p> <p>PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/></p> <p>TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/></p> <p>PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/></p> <p>DOWNHOLE COMMINGLE <input type="checkbox"/></p> <p>CLOSED-LOOP SYSTEM <input type="checkbox"/></p> <p>OTHER: <input type="checkbox"/></p>	<p>SUBSEQUENT REPORT OF:</p> <p>REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/></p> <p>COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/></p> <p>CASING/CEMENT JOB <input type="checkbox"/></p> <p>OTHER: TAG Gas concentration & injection volume per R-13507F <input checked="" type="checkbox"/></p>
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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 January - June 2021 the measured H₂S concentrations in the TAG ranged from about 4.62% to 28.01 % with an average value of about 20.78% as derived from direct sampling and analysis of the TAG entering the well. Appendix A table 1 details the gas analysis of twelve TAG samples Lucid Energy had taken during the report period to measure H₂S concentration directly. Average daily TAG volume injected is about 959 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 twelve TAG sampling events (Appendix A, Table 1)
2. Graph of TAG volumes January 1, 2021 – June 30, 2021 (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 H₂S concentrations being injected into the Red Hills AGI #1 to range between 4% and 28%. Lucid Energy will notify the NM OCD if concentrations differ substantially based on inlet gas changes 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  TITLE VP of EHS&R DATE 8/2/2021

Type or print name Matt Eales E-mail address: meales@lucid-energy.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

TAG Injection Rate January 2021 - June 2021

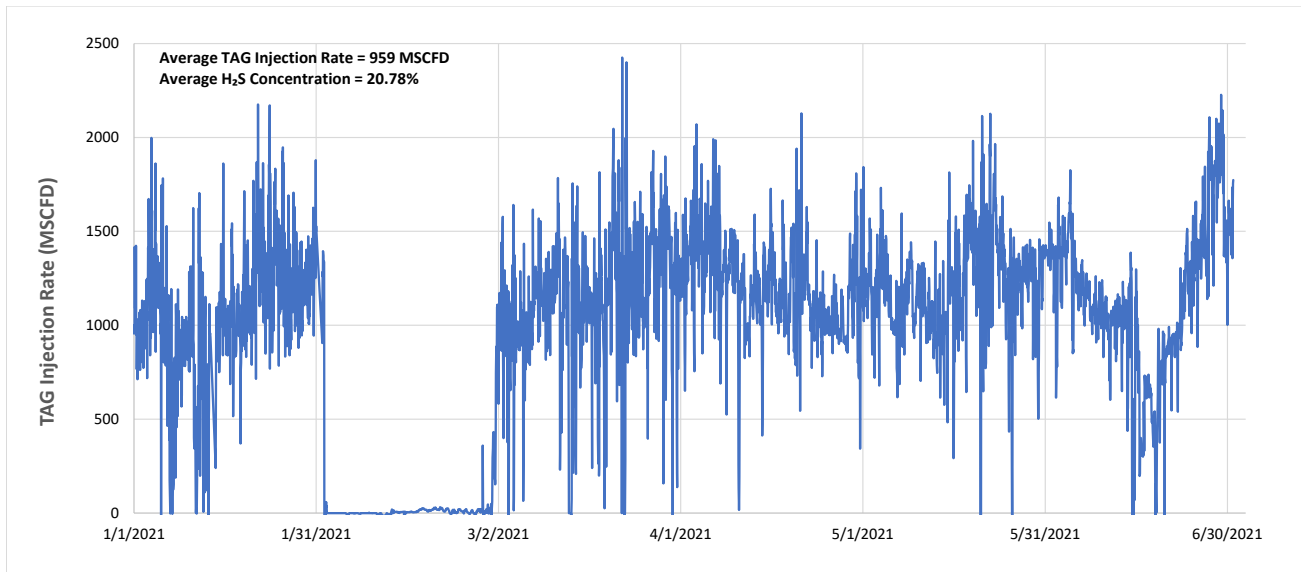


Figure 1: Red Hills AGI #1 TAG Injection Volumes for January - June 2021

Date	H ₂ S %	CO ₂ %
1/13/2021	27.43%	72.32%
1/29/2021	21.39%	76.95%
2/11/2021	Well Workover	
3/12/2021	13.50%	84.76%
3/26/2021	21.48%	77.91%
4/7/2021	27.53%	71.53%
4/23/2021	27.32%	71.67%
5/7/2021	28.01%	71.21%
5/21/2021	22.20%	76.93%
6/4/2021	18.10%	80.90%
6/18/2021	4.62%	93.82%
6/29/2021	16.96%	82.36%
Average	20.78%	78.21%

Table 1: Summary of TAG Concentrations from twelve samples for Red Hills AGI #1

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

Pantechs Laboratories, Inc.
Order: 0458-1454 Order Date: 1/13/2021
Order Description: Red Hills Plant, BiWeekly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Lucid Energy Delaware	Pressure	17 psig
Location	Red Hills Plant	Sample Temp	N/A
Site	AGI Plant	Atm Temp	59 F
Site Type	Station	Collection Date	01/13/2021
Sample Point	Inlet to Compressor	Collection Time	3:12 PM
Spot/Composite	Spot	Collection By	Corey Sherrill
Meter ID		Pressure Base	14.73 psi
Purchaser		Temperature Base	60 F
Fluid	Gas	Container(s)	PL3016 , PLS028

GPA 2261 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	0.005	0.003	0.001
CARBON DIOXIDE	CO2	72.317	77.070	12.409
HYDROGEN SULFIDE	H2S	27.428	22.635	3.720
METHANE	C1	0.115	0.045	0.020
ETHANE	C2	0.007	0.005	0.002
PROPANE	C3	0.016	0.017	0.004
I-BUTANE	iC4	0.005	0.007	0.002
N-BUTANE	nC4	0.020	0.028	0.006
I-PENTANE	iC5	0.012	0.021	0.004
N-PENTANE	nC5	0.009	0.016	0.003
HEXANES PLUS	C6+	0.066	0.153	0.029
TOTALS:		100.000	100.000	16.200

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)	0.050	0.048	0.044	0.036	0.046	0.038

CALCULATED PROPERTIES	BTU/CF	Specific Gr.	Z Factor	Mol Weight	Wobbe Index
DRY	183.19	1.435	0.993	41.296	152.92
WATER SATURATED	180.96	1.422	0.993	40.578	

Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV
GPA2377	H2S	27.4282	17,416.89	276,928.6

Pantechs Laboratories, Inc.
Order: 0890-1517 Order Date: 1/29/2021
Order Description: Red Hills Plant, BiWeekly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Lucid Energy Delaware	Pressure	13 psig
Location	Red Hills Plant	Sample Temp	N/A
Site	AGI Plant	Atm Temp	46 F
Site Type	Station	Collection Date	01/29/2021
Sample Point	Inlet to Compressor	Collection Time	9:17 AM
Spot/Composite	Spot	Collection By	Corey Sherrill
Meter ID		Pressure Base	14.73 psi
Purchaser		Temperature Base	60 F
Fluid	Gas	Container(s)	PL2277 , PLS028

GPA 2261 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	0.006	0.004	0.001
CARBON DIOXIDE	CO2	76.953	80.160	13.206
HYDROGEN SULFIDE	H2S	21.393	17.257	2.902
METHANE	C1	0.139	0.053	0.024
ETHANE	C2	0.153	0.109	0.041
PROPANE	C3	0.137	0.143	0.038
I-BUTANE	iC4	0.073	0.100	0.024
N-BUTANE	nC4	0.236	0.325	0.075
I-PENTANE	iC5	0.187	0.319	0.069
N-PENTANE	nC5	0.196	0.335	0.071
HEXANES PLUS	C6+	0.527	1.195	0.228
TOTALS:		100.000	100.000	16.679

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)	0.546	0.505	0.467	0.368	0.480	0.377

CALCULATED PROPERTIES	BTU/CF	Specific Gr.	Z Factor	Mol Weight	Wobbe Index
DRY	198.66	1.468	0.993	42.249	163.95
WATER SATURATED	196.17	1.454	0.993	41.515	

Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV
GPA2377	H2S	21.3929	13,584.50	215,993.6

Pantechs Laboratories, Inc.

Order: 0405-1559 Order Date: 2/11/2021

Order Description: Red Hills Plant, BiWeekly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Lucid Energy Delaware	Pressure	N/A
Location	Red Hills Plant	Sample Temp	N/A
Site	AGI Plant	Atm Temp	N/A
Site Type	Station	Collection Date	
Sample Point	Inlet to Compressor	Collection Time	
Spot/Composite	Spot	Collection By	
Meter ID		Pressure Base	14.730 psi
Purchaser		Temperature Base	60 F
Fluid	Gas	Container(s)	

No Sample

Employee	Comment
Cody Carson	No Flow at Sample Point

SAMPLE ID		COLLECTION DATA	
Operator	Lucid Energy Delaware	Pressure	12 psig
Location	Red Hills Plant	Sample Temp	N/A
Site	AGI Plant	Atm Temp	72 F
Site Type	Station	Collection Date	03/12/2021
Sample Point	Inlet to Compressor	Collection Time	10:08 AM
Spot/Composite	Spot	Collection By	Corey Sherrill
Meter ID		Pressure Base	14.730 psi
Purchaser		Temperature Base	60 F
Fluid	Gas	Container(s)	PLS017 , PL2237

GPA 2261 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	0.011	0.007	0.001
CARBON DIOXIDE	CO2	84.760	87.205	14.540
HYDROGEN SULFIDE	H2S	13.495	10.752	1.830
METHANE	C1	0.648	0.243	0.111
ETHANE	C2	0.183	0.129	0.049
PROPANE	C3	0.117	0.121	0.032
I-BUTANE	iC4	0.057	0.077	0.019
N-BUTANE	nC4	0.092	0.125	0.029
I-PENTANE	iC5	0.074	0.125	0.027
N-PENTANE	nC5	0.082	0.138	0.030
HEXANES PLUS	C6+	0.481	1.078	0.208
TOTALS:		100.000	100.000	16.876

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)	0.394	0.345	0.313	0.265	0.327	0.284

CALCULATED PROPERTIES	BTU/CF	Specific Gr.	Z Factor	Mol Weight	Wobbe Index
DRY	136.17	1.486	0.994	42.776	111.70
WATER SATURATED	134.74	1.472	0.993	42.032	

Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV
GPA2377	H2S	13.4953	8,569.51	136,255.2

SAMPLE ID		COLLECTION DATA	
Operator	Lucid Energy Delaware	Pressure	12 psig
Location	Red Hills Plant	Sample Temp	N/A
Site	AGI Plant	Atm Temp	48 F
Site Type	Station	Collection Date	03/26/2021
Sample Point	Inlet to Compressor	Collection Time	7:48 AM
Spot/Composite	Spot	Collection By	Corey Sherrill
Meter ID		Pressure Base	14.730 psi
Purchaser		Temperature Base	60 F
Fluid	Gas	Container(s)	PLS030 , PL1557

GPA 2261 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	0.007	0.005	0.001
CARBON DIOXIDE	CO2	77.906	81.985	13.365
HYDROGEN SULFIDE	H2S	21.478	17.503	2.912
METHANE	C1	0.312	0.120	0.053
ETHANE	C2	0.078	0.056	0.021
PROPANE	C3	0.039	0.041	0.011
I-BUTANE	iC4	0.116	0.161	0.038
N-BUTANE	nC4	0.015	0.021	0.005
I-PENTANE	iC5	0.004	0.007	0.001
N-PENTANE	nC5	0.004	0.007	0.001
HEXANES PLUS	C6+	0.041	0.094	0.018
TOTALS:		100.000	100.000	16.426

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)	0.095	0.074	0.063	0.020	0.030	0.022

CALCULATED PROPERTIES	BTU/CF	Specific Gr.	Z Factor	Mol Weight	Wobbe Index
DRY	150.39	1.453	0.994	41.820	124.77
WATER SATURATED	148.73	1.439	0.993	41.093	

Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV
GPA2377	H2S	21.4775	13,638.20	216,847.4

SAMPLE ID		COLLECTION DATA	
Operator	Lucid Energy Delaware	Pressure	12 psig
Location	Red Hills Plant	Sample Temp	N/A
Site	AGI Plant	Atm Temp	61 F
Site Type	Station	Collection Date	04/07/2021
Sample Point	Inlet to Compressor	Collection Time	9:16 AM
Spot/Composite	Spot	Collection By	Corey Sherrill
Meter ID		Pressure Base	14.730 psi
Purchaser		Temperature Base	60 F
Fluid	Gas	Container(s)	PL2230 , PLS030

GPA 2261 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	0.012	0.008	0.001
CARBON DIOXIDE	CO2	71.525	76.437	12.273
HYDROGEN SULFIDE	H2S	27.534	22.786	3.734
METHANE	C1	0.444	0.173	0.076
ETHANE	C2	0.236	0.172	0.064
PROPANE	C3	0.081	0.087	0.022
I-BUTANE	iC4	0.011	0.016	0.004
N-BUTANE	nC4	0.036	0.051	0.011
I-PENTANE	iC5	0.007	0.012	0.003
N-PENTANE	nC5	0.014	0.025	0.005
HEXANES PLUS	C6+	0.100	0.233	0.043
TOTALS:		100.000	100.000	16.236

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)	0.152	0.088	0.066	0.051	0.068	0.056

CALCULATED PROPERTIES	BTU/CF	Specific Gr.	Z Factor	Mol Weight	Wobbe Index
DRY	195.48	1.431	0.993	41.181	163.42
WATER SATURATED	193.05	1.418	0.993	40.466	

Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV
GPA2377	H2S	27.5339	17,484.01	277,995.8

SAMPLE ID		COLLECTION DATA	
Operator	Lucid Energy Delaware	Pressure	12 psig
Location	Red Hills Plant	Sample Temp	N/A
Site	AGI Plant	Atm Temp	57 F
Site Type	Station	Collection Date	04/23/2021
Sample Point	Inlet to Compressor	Collection Time	8:11 AM
Spot/Composite	Spot	Collection By	Corey Sherrill
Meter ID		Pressure Base	14.730 psi
Purchaser		Temperature Base	60 F
Fluid	Gas	Container(s)	PLS030 , PL1838

GPA 2261 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	0.011	0.007	0.001
CARBON DIOXIDE	CO2	71.665	76.540	12.297
HYDROGEN SULFIDE	H2S	27.323	22.598	3.706
METHANE	C1	0.487	0.190	0.083
ETHANE	C2	0.223	0.163	0.060
PROPANE	C3	0.092	0.098	0.026
I-BUTANE	iC4	0.010	0.014	0.003
N-BUTANE	nC4	0.037	0.052	0.012
I-PENTANE	iC5	0.010	0.018	0.004
N-PENTANE	nC5	0.018	0.032	0.007
HEXANES PLUS	C6+	0.124	0.288	0.054
TOTALS:		100.000	100.000	16.253

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)	0.166	0.106	0.080	0.065	0.083	0.071

CALCULATED PROPERTIES	BTU/CF	Specific Gr.	Z Factor	Mol Weight	Wobbe Index
DRY	196.16	1.432	0.993	41.207	163.93
WATER SATURATED	193.72	1.418	0.993	40.491	

Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV
GPA2377	H2S	27.3225	17,349.77	275,861.3

SAMPLE ID		COLLECTION DATA	
Operator	Lucid Energy Delaware	Pressure	12 psig
Location	Red Hills Plant	Sample Temp	N/A
Site	AGI Plant	Atm Temp	70 F
Site Type	Station	Collection Date	05/07/2021
Sample Point	Inlet to Compressor	Collection Time	9:11 AM
Spot/Composite	Spot	Collection By	Corey Sherrill
Meter ID		Pressure Base	14.730 psi
Purchaser		Temperature Base	60 F
Fluid	Gas	Container(s)	PLS021 , PL2080

GPA 2261 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	0.008	0.005	0.001
CARBON DIOXIDE	CO2	71.207	76.144	12.219
HYDROGEN SULFIDE	H2S	28.010	23.194	3.799
METHANE	C1	0.413	0.161	0.070
ETHANE	C2	0.114	0.083	0.031
PROPANE	C3	0.068	0.073	0.019
I-BUTANE	iC4	0.048	0.068	0.016
N-BUTANE	nC4	0.029	0.041	0.009
I-PENTANE	iC5	0.007	0.012	0.003
N-PENTANE	nC5	0.007	0.012	0.003
HEXANES PLUS	C6+	0.089	0.207	0.038
TOTALS:		100.000	100.000	16.208

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)	0.119	0.088	0.069	0.044	0.065	0.048

CALCULATED PROPERTIES	BTU/CF	Specific Gr.	Z Factor	Mol Weight	Wobbe Index
DRY	195.84	1.430	0.993	41.157	163.76
WATER SATURATED	193.40	1.417	0.993	40.442	

Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV
GPA2377	H2S	28.0095	17,786.03	282,797.9

SAMPLE ID		COLLECTION DATA	
Operator	Lucid Energy Delaware	Pressure	12 psig
Location	Red Hills Plant	Sample Temp	N/A
Site	AGI Plant	Atm Temp	65 F
Site Type	Station	Collection Date	05/21/2021
Sample Point	Inlet to Compressor	Collection Time	7:12 AM
Spot/Composite	Spot	Collection By	Corey Sherrill
Meter ID		Pressure Base	14.730 psi
Purchaser		Temperature Base	60 F
Fluid	Gas	Container(s)	PLS017 , PL3039

GPA 2261 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	0.080	0.054	0.009
CARBON DIOXIDE	CO2	76.931	81.244	13.198
HYDROGEN SULFIDE	H2S	22.196	18.151	3.010
METHANE	C1	0.454	0.175	0.077
ETHANE	C2	0.192	0.139	0.052
PROPANE	C3	0.053	0.056	0.015
I-BUTANE	iC4	0.005	0.007	0.002
N-BUTANE	nC4	0.024	0.033	0.008
I-PENTANE	iC5	0.006	0.010	0.002
N-PENTANE	nC5	0.009	0.016	0.003
HEXANES PLUS	C6+	0.050	0.115	0.022
TOTALS:		100.000	100.000	16.398

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)	0.104	0.052	0.037	0.027	0.038	0.029

CALCULATED PROPERTIES	BTU/CF	Specific Gr.	Z Factor	Mol Weight	Wobbe Index
DRY	156.26	1.448	0.994	41.674	129.87
WATER SATURATED	154.49	1.434	0.993	40.949	

Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV
GPA2377	H2S	22.1962	14,094.59	224,104.0

SAMPLE ID		COLLECTION DATA	
Operator	Lucid Energy Delaware	Pressure	12 psig
Location	Red Hills Plant	Sample Temp	N/A
Site	AGI Plant	Atm Temp	75 F
Site Type	Station	Collection Date	06/04/2021
Sample Point	Inlet to Compressor	Collection Time	11:09 AM
Spot/Composite	Spot	Collection By	Corey Sherrill
Meter ID		Pressure Base	14.730 psi
Purchaser		Temperature Base	60 F
Fluid	Gas	Container(s)	PLS011 , PL2462

GPA 2261 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	0.010	0.007	0.001
CARBON DIOXIDE	CO2	80.900	84.409	13.878
HYDROGEN SULFIDE	H2S	18.095	14.620	2.453
METHANE	C1	0.434	0.165	0.074
ETHANE	C2	0.143	0.102	0.038
PROPANE	C3	0.103	0.108	0.029
I-BUTANE	iC4	0.069	0.095	0.023
N-BUTANE	nC4	0.053	0.073	0.017
I-PENTANE	iC5	0.016	0.027	0.006
N-PENTANE	nC5	0.015	0.026	0.005
HEXANES PLUS	C6+	0.162	0.368	0.070
TOTALS:		100.000	100.000	16.594

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)	0.188	0.150	0.121	0.081	0.120	0.089

CALCULATED PROPERTIES	BTU/CF	Specific Gr.	Z Factor	Mol Weight	Wobbe Index
DRY	139.70	1.465	0.994	42.180	115.41
WATER SATURATED	138.21	1.451	0.993	41.447	

Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV
GPA2377	H2S	18.0952	11,490.45	182,698.2

Pantechs Laboratories, Inc. - Order: 0846-2008 - Order Date: 6/18/2021
Order Description: Red Hills Plant, BiWeekly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Lucid Energy Delaware	Pressure	12 psig
Location	Red Hills Plant	Sample Temp	N/A
Site	AGI Plant	Atm Temp	86 F
Site Type	Station	Collection Date	06/18/2021
Sample Point	Inlet to Compressor	Collection Time	10:38 AM
Spot/Composite	Spot	Collection By	Corey Sherrill
Meter ID		Pressure Base	14.730 psi
Purchaser		Temperature Base	60 F
Fluid	Gas	Container(s)	PLS014 , PL2280

GPA 2261 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	0.010	0.006	0.001
CARBON DIOXIDE	CO2	93.821	94.914	16.088
HYDROGEN SULFIDE	H2S	4.617	3.617	0.626
METHANE	C1	0.662	0.244	0.113
ETHANE	C2	0.253	0.175	0.068
PROPANE	C3	0.182	0.184	0.050
I-BUTANE	iC4	0.049	0.065	0.016
N-BUTANE	nC4	0.087	0.116	0.028
I-PENTANE	iC5	0.022	0.036	0.008
N-PENTANE	nC5	0.020	0.033	0.007
HEXANES PLUS	C6+	0.277	0.610	0.120
TOTALS:		100.000	100.000	17.125

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)	0.297	0.229	0.179	0.135	0.184	0.149

CALCULATED PROPERTIES	BTU/CF	Specific Gr.	Z Factor	Mol Weight	Wobbe Index
DRY	66.32	1.511	0.994	43.504	53.96
WATER SATURATED	66.08	1.496	0.994	42.748	

Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV
GPA2377	H2S	4.6168	2,931.68	46,613.7

Pantechs Laboratories, Inc. - Order: 0827-2041 - Order Date: 6/29/2021
Order Description: Red Hills Plant, BiWeekly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Lucid Energy Delaware	Pressure	12 psig
Location	Red Hills Plant	Sample Temp	N/A
Site	AGI Plant	Atm Temp	75 F
Site Type	Station	Collection Date	06/29/2021
Sample Point	Inlet to Compressor	Collection Time	12:07 PM
Spot/Composite	Spot	Collection By	Corey Sherrill
Meter ID		Pressure Base	14.730 psi
Purchaser		Temperature Base	60 F
Fluid	Gas	Container(s)	PL1997 , PLS026

GPA 2261 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	0.016	0.011	0.002
CARBON DIOXIDE	CO2	82.356	85.661	14.127
HYDROGEN SULFIDE	H2S	16.964	13.663	2.300
METHANE	C1	0.321	0.122	0.055
ETHANE	C2	0.093	0.066	0.025
PROPANE	C3	0.010	0.010	0.003
I-BUTANE	iC4	0.036	0.049	0.012
N-BUTANE	nC4	0.033	0.045	0.010
I-PENTANE	iC5	0.009	0.015	0.003
N-PENTANE	nC5	0.016	0.027	0.006
HEXANES PLUS	C6+	0.146	0.331	0.063
TOTALS:		100.000	100.000	16.606

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)	0.122	0.097	0.094	0.072	0.097	0.079

CALCULATED PROPERTIES	BTU/CF	Specific Gr.	Z Factor	Mol Weight	Wobbe Index
DRY	125.19	1.470	0.994	42.313	103.26
WATER SATURATED	123.95	1.456	0.993	41.577	

Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV
GPA2377	H2S	16.9643	10,772.30	171,279.6