

HOBBS OCD

OIL CONSERVATION DIVISION

NOV 07 2018

1220 South St. Francis Dr.

Santa Fe, NM 87505

RECEIVED

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.)		WELL API NO. 30-025-40448
1. Type of Well: Oil Well ☐ Gas Well ☐ Other: Acid Gas Injection		5. Indicate Type of Lease: SURFACE STATE ☐ FEE ☒
2. Name of Operator LUCID ENERGY DELAWARE, LLC		6. State Oil & Gas Lease No. NMLC063798
3. Address of Operator 3100 MCKINNON STREET, SUITE 800, DALLAS, TX 75201		7. Lease Name or Unit Agreement Name RED HILLS AGI
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>		8. Well Number 1
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3580 ft. GL		9. OGRID Number 372422
		10. Pool name or Wildcat EXPLORATORY CHERRY CANYON

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
 DOWNHOLE COMMINGLE ☐
 CLOSED-LOOP SYSTEM ☐
 OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
 COMMENCE DRILLING OPNS. ☐ P AND A ☐
 CASING/CEMENT JOB ☐

OTHER: Inlet Gas Concentration Verification 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.

Pursuant to discussions with NMOCD technical and legal staff, NMOCD approved Lucid's plan to sample the inlet gas concentrations and volumes at least four times for a period of two months (at least 4 total samples) and calculate corresponding TAG concentrations and volumes during the startup of the Red Hills AGI#1. This was accomplished, and a report transmitting this information was submitted in July 2018.

Additionally, the NMOCD approval requires resampling of inlet gas and calculation of TAG concentrations at six-month intervals. Calculated H₂S concentrations in the TAG ranged from about 8% to 12% with an average value of about 10% for this period from inlet gas analyses (see Table 1). Lucid took 5 TAG samples (from August 17, 2018 through October 12, 2018) to measure H₂S concentration directly (see Table 1A). Directly sampled TAG H₂S concentrations ranged from about 11% to 12% with an average of 11.6%. Considering the variables involved, this represents good agreement between the calculated and measured values. This report is submitted to fulfill the reporting requirement established by NMOCD for sampling of TAG concentrations within six-months of starting injection (which began in May 2018). The following information is contained herein:

1. Inlet gas concentrations and volumes from each of the 4 inlet sampling events (Table 1)
2. Calculated TAG concentrations and volumes for each of the 4 inlet sampling events (Table 1)
3. Measured TAG concentrations and volumes for each of 5 TAG sampling events (Table 1A)
4. Graph of Inlet gas and TAG volumes 7/1/18-10/15/18 (Figure 1)
5. 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

See page 2

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 anticipates that H2S concentrations in TAG will range between 10% and 15%. Lucid will notify 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 CONSULTANT TO LUCID DATE 10/31/2018

Type or print name Alberto A. Gutierrez, RG E-mail address: aag@geolex.com PHONE: 505-842-8000

For State Use Only

Accepted for Record Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

MS Brown 11/7/2018

LUCID DELAWARE LLC RED HILLS PLANT

TABLE 1 TAG PROPERTIES BASED ON INLET GAS SAMPLING DATA

	7/17/2018	7/24/2018	9/12/2018	10/1/2018	4 DAY AVERAGE
Enter Inlet Flow in MMCFD	24.182	28.099	29.86	36.77	29.72775
CALCULATOR 1					
For Data in mole %					
Enter H2S in mole %	0.3795	0.4147	0.4669	0.4669	0.432
Enter CO2 in mole %	3.8214	4.6519	3.537	3.537	3.887

	7/17/2018	7/24/2018	9/12/2018	10/1/2018	4 DAY AVERAGE
Predicted Total TAG Volume (MMCFD)					
Predicted Total TAG Volume (MMCFD)	1.016	1.424	1.196	1.472	1.277
H2S Volume (MMCFD)	0.092	0.117	0.139	0.172	0.130
CO2 Volume (MMCFD)	0.924	1.307	1.056	1.301	1.147

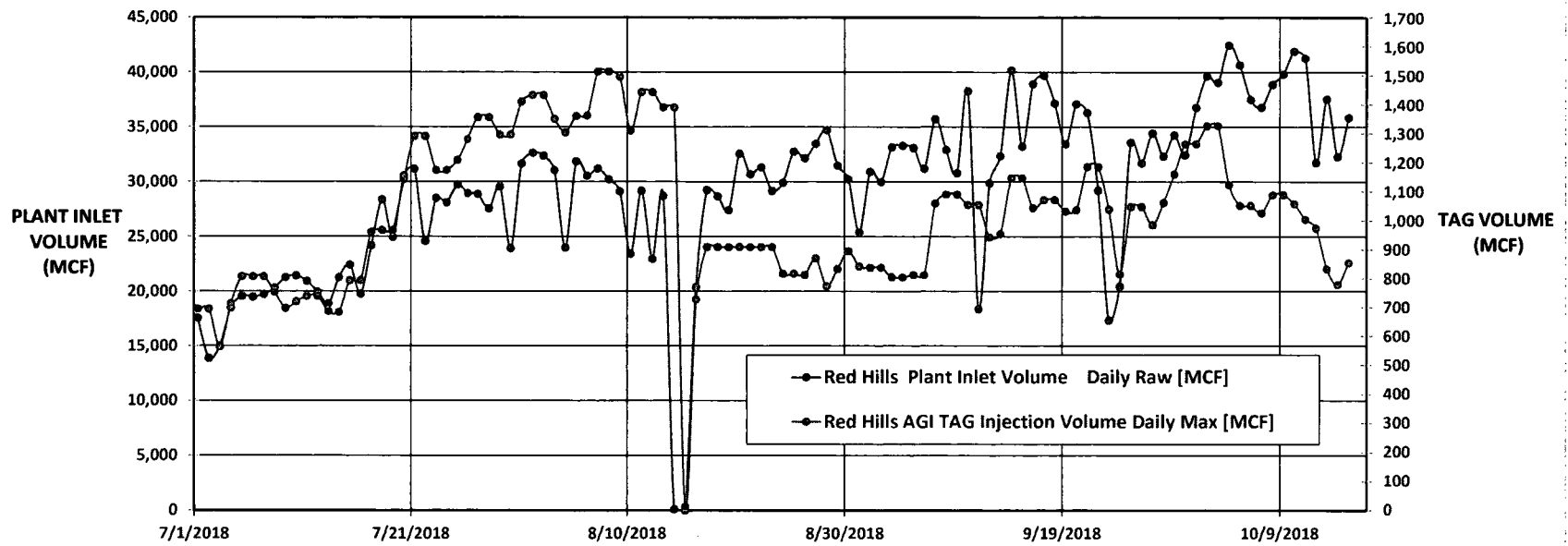
	7/17/2018	7/24/2018	9/12/2018	10/1/2018	4 DAY AVERAGE
Calculated TAG Composition					
TAG Composition					
H2S %	9.03%	8.18%	11.66%	11.66%	10.14%
CO2 %	90.97%	91.82%	88.34%	88.34%	89.86%

See Attachment A for Original Analytical Data Reports

LUCID DELAWARE LLC RED HILLS PLANT
TABLE 1A TAG PROPERTIES BASED ON DIRECT TAG
SAMPLING DATA

8/17/2018 Measured TAG Composition	8/31/2018	9/14/2018	9/26/2018	10/12/2018	5 DAY AVERAGE
12.19%	11.27%	11.59%	11.39%	11.66%	11.62%
87.23%	82.45%	87.48%	83.36%	85.13%	85.13%

Figure 1 Lucid Red Hills Plant Inlet Gas and TAG Volumes - July 1, 2018 - October 15, 2018



ATTACHMENT A - VOLUMES, INLET AND TAG ANALYSES 14pp

Lucid Energy Group-PURCHASER

326 W. Quay

Artesia, NM 88210

Measurement 575-810-6045 or 575-810-6044

10/26/2018 8:49 AM

Kerry Egan

Daily Volume Statement

Status: Closed

Meter ID 86118

July 2018

Company Lucid Energy Delaware LLC

Alternate Meter ID

Contact Name

Meter Name Red Hills AGI Inlet

Phone

Use Contract Values: No

Alternate Meter Name

Fax

Analysis: 7/1/2018 8:00 AM

DRN

Email

Station Effective Date				Contract Hour	Contract Calendar		Temp Base	Pressure Base	Atmos Pressure	Energy Basis	FQ ID	Chart Days	Chart Type		
01/01/1970 00:00				8	Normal (1st - 31st)		60.0	14.730	13.000	Dry	86118				
Meter Effective Date				Meter Type		Tap Type	Tap Location	Static Range	Diff Range	Temp Range	Tube Size	Orifice Size	Status		
01/01/1970 00:00				Orifice		F	U	0.0 - 1000.0	0.0 - 250.0	0.0 - 150.0	7.625	3.7500	Active		
On	Off	Flow Time	Flow Temp	Avg Press PSI	Real Relative Density	Mol% N2	Mol % CO2	Flow Ext	Avg Diff	Volume Mcf 14.730	Dry Heating Value	Energy Dth	Miss Data	Est Data	
1	2	24.00	87.4	826.5	0.7394	1.2250	4.6519	174.1	36.7	15,187.203	1159.2	17,605.007	*		
2	3	21.72	81.3	861.2	0.7394	1.2250	4.6519	89.5	9.3	7,185.104	1159.2	8,328.972	*		
3	4	22.45	84.9	859.4	0.7394	1.2250	4.6519	156.7	28.6	12,930.847	1159.2	14,989.436	*		
4	5	23.95	88.4	787.0	0.7394	1.2250	4.6519	184.3	43.3	15,953.130	1159.2	18,492.870	*		
5	6	24.00	84.4	862.1	0.7394	1.2250	4.6519	191.7	42.6	16,860.074	1159.2	19,544.195	*		
6	7	24.00	83.8	861.9	0.7394	1.2250	4.6519	191.0	42.3	16,815.839	1159.2	19,492.918	*		
7	8	23.38	80.2	864.0	0.7394	1.2250	4.6519	197.0	44.9	16,999.480	1159.2	19,705.797	*		
8	9	24.00	83.8	866.3	0.7394	1.2250	4.6519	198.9	45.7	17,523.137	1159.2	20,312.821	*		
9	10	24.00	81.8	868.5	0.7394	1.2250	4.6519	207.6	49.6	18,344.905	1159.2	21,265.416	*		
10	11	24.00	80.6	869.1	0.7394	1.2250	4.6519	208.7	50.1	18,483.359	1159.2	21,425.911	*		
11	12	23.73	81.1	869.5	0.7394	1.2250	4.6519	206.3	48.9	18,056.449	1159.2	20,931.034	*		
12	13	24.00	79.5	869.3	0.7394	1.2250	4.6519	194.0	43.3	17,204.938	1159.2	19,943.963	*		
13	14	21.68	76.2	868.8	0.7394	1.2250	4.6519	201.8	46.8	16,283.011	1159.2	18,875.269	*		
14	15	24.00	82.6	869.4	0.7394	1.2250	4.6519	207.9	49.7	18,349.084	1159.2	21,270.256	*		
15	16	24.00	82.9	869.3	0.7394	1.2250	4.6519	219.1	55.2	19,335.547	1159.2	22,413.766	*		
16	17	23.27	85.0	867.4	0.7394	1.2250	4.6519	199.9	46.1	17,036.529	1159.2	19,748.744	*		
17	18	24.00	86.3	865.3	0.7394	1.2250	4.6519	237.8	65.4	20,860.592	1159.2	24,181.599	*		
18	19	24.00	87.4	853.3	0.7394	1.2250	4.6519	280.1	91.9	24,477.248	1159.2	28,374.029	*		
19	20	22.72	85.6	883.9	0.7394	1.2250	4.6519	257.8	75.2	21,510.744	1159.2	24,935.256	*		
20	21	24.00	88.2	855.3	0.7394	1.2250	4.6519	302.0	106.6	26,350.301	1159.2	30,545.271	*		
21	22	24.00	88.9	849.0	0.7394	1.2250	4.6519	308.9	112.4	26,902.188	1159.2	31,185.017	*		
22	23	23.25	81.8	883.0	0.7394	1.2250	4.6519	247.1	69.2	21,209.354	1159.2	24,585.882	*		
23	24	23.60	84.0	884.1	0.7394	1.2250	4.6519	283.5	90.9	24,588.265	1159.2	28,502.717	*		
24	25	23.80	84.0	884.0	0.7394	1.2250	4.6519	277.1	86.8	24,239.688	1159.2	28,098.646	*		
25	26	23.62	86.9	869.3	0.7394	1.2250	4.6519	297.7	102.0	25,648.294	1159.2	29,731.502	*		
26	27	23.78	84.2	863.9	0.7394	1.2250	4.6519	286.4	95.0	24,959.798	1159.2	28,933.399	*		
27	28	24.00	87.1	844.8	0.7394	1.2250	4.6519	285.0	96.0	24,907.703	1159.2	28,873.009	*		
28	29	23.92	86.0	862.2	0.7394	1.2250	4.6519	272.4	86.3	23,770.030	1159.2	27,554.220	*		
29	30	24.00	87.1	871.7	0.7394	1.2250	4.6519	291.1	97.2	25,494.774	1159.2	29,553.543	*		
30	31	22.75	82.5	873.6	0.7394	1.2250	4.6519	247.3	70.3	20,633.947	1159.2	23,918.874	*		
31	1	24.00	83.5	899.5	0.7394	1.2250	4.6519	309.1	106.4	27,313.550	1159.2	31,661.868	*		
731.62		84.4	865.2					71.6	625,415.112	1159.2	724,981.207				

Lucid Energy Group-PURCHASER

326 W. Quay

Artesia, NM 88210

Measurement 575-810-6045 or 575-810-6044

10/26/2018 8:49 AM

Kerry Egan

Daily Volume Statement

August 2018

Status: Closed

Meter ID 86118

Alternate Meter ID

Meter Name Red Hills AGI Inlet

Alternate Meter Name

DRN

Company Lucid Energy Delaware LLC

Contact Name

Phone

Fax

Email

Use Contract Values: No

Analysis: 7/1/2018 8:00 AM

Station Effective Date				Contract Hour		Contract Calendar		Temp Base	Pressure Base	Atmos Pressure	Energy Basis	FQ ID	Chart Days	Chart Type
01/01/1970 00:00				8		Normal (1st - 31st)		60.0	14.730	13.000	Dry	86118		
Meter Effective Date				Meter Type		Tap Type	Tap Location	Static Range	Diff Range	Temp Range	Tube Size	Orifice Size	Status	
01/01/1970 00:00				Orifice		F	U	0.0 - 1000.0	0.0 - 250.0	0.0 - 150.0	7.625	3.7500	Active	
On	Off	Flow Time	Flow Temp	Avg Press	Real	Mol% N2	Mol % CO2	Flow Ext	Avg Diff	Volume Mcf 14.730	Dry	Energy Dth	Miss Data	Est Data
				PSI	Relative Density						Heating Value			
1	2	24.00	86.1	878.5	0.7394	1.2250	4.6519	320.5	116.9	28,148.425	1159.2	32,629.688		
2	3	24.00	87.3	868.9	0.7394	1.2250	4.6519	319.1	117.3	27,937.961	1159.2	32,385.629		
3	4	23.63	87.5	871.5	0.7394	1.2250	4.6519	310.3	110.6	26,780.968	1159.2	31,044.495		
4	5	22.33	86.8	871.3	0.7394	1.2250	4.6519	254.4	74.5	20,698.520	1159.2	23,993.723		
5	6	23.78	86.9	861.1	0.7394	1.2250	4.6519	316.8	116.5	27,481.858	1159.2	31,856.969		
6	7	23.88	87.9	861.6	0.7394	1.2250	4.6519	302.9	106.5	26,355.898	1159.2	30,551.755		
7	8	24.00	89.3	858.9	0.7394	1.2250	4.6519	308.7	111.0	26,925.603	1159.2	31,212.163		
8	9	24.00	87.9	857.6	0.7394	1.2250	4.6519	298.2	103.7	26,070.486	1159.2	30,220.908		
9	10	23.53	86.3	865.8	0.7394	1.2250	4.6519	292.1	98.7	25,125.898	1159.2	29,125.938		
10	11	24.00	80.3	866.9	0.7394	1.2250	4.6519	228.6	60.6	20,190.133	1159.2	23,404.404		
11	12	24.00	82.0	875.7	0.7394	1.2250	4.6519	284.6	92.5	25,163.543	1159.2	29,169.578		
12	13	24.00	82.6	866.9	0.7394	1.2250	4.6519	224.4	58.2	19,807.674	1159.2	22,961.055		
13	14	23.87	86.4	866.7	0.7394	1.2250	4.6519	283.8	93.0	24,756.562	1159.2	28,697.807		
14	15	0.32	86.4	799.4	0.7394	1.2250	4.6519	70.8	6.0	81.978	1159.2	95.029		
15	16	0.00	85.7	663.3	0.7394	1.2250	4.6519	1.1	0.0	0.053	1159.2	0.062		
16	17	21.03	85.9	851.0	0.7394	1.2250	4.6519	228.8	61.6	17,572.352	1159.2	20,369.873		
17	18	24.00	86.2	849.9	0.7394	1.2250	4.6519	288.0	97.7	25,231.544	1159.2	29,248.408		
18	19	24.00	85.2	838.1	0.7394	1.2250	4.6519	282.6	95.3	24,748.143	1159.2	28,688.049		
19	20	23.98	86.1	846.9	0.7394	1.2250	4.6519	270.3	86.4	23,653.535	1159.2	27,419.180		
20	21	23.87	83.3	862.5	0.7394	1.2250	4.6519	321.0	119.6	28,099.605	1159.2	32,573.060		
21	22	24.00	87.9	847.2	0.7394	1.2250	4.6519	303.2	108.5	26,474.368	1159.2	30,689.086		
22	23	24.00	87.8	847.0	0.7394	1.2250	4.6519	309.6	113.2	27,028.113	1159.2	31,330.989		
23	24	24.00	87.7	837.0	0.7394	1.2250	4.6519	288.5	99.4	25,163.615	1159.2	29,169.660		
24	25	22.50	86.8	876.7	0.7394	1.2250	4.6519	313.8	112.3	25,817.218	1159.2	29,927.316		
25	26	23.78	86.2	893.9	0.7394	1.2250	4.6519	324.4	117.7	28,269.452	1159.2	32,769.949		
26	27	24.00	84.1	893.8	0.7394	1.2250	4.6519	314.3	110.6	27,739.161	1159.2	32,155.234		
27	28	24.00	85.0	904.4	0.7394	1.2250	4.6519	327.4	118.7	28,879.278	1159.2	33,476.857		
28	29	24.00	88.1	903.0	0.7394	1.2250	4.6519	341.3	129.0	29,953.587	1159.2	34,722.199		
29	30	23.57	84.9	907.9	0.7394	1.2250	4.6519	313.6	108.3	27,171.284	1159.2	31,496.953		
30	31	24.00	84.9	914.1	0.7394	1.2250	4.6519	295.2	95.3	26,098.681	1159.2	30,253.593		
31	1	22.30	86.4	910.1	0.7394	1.2250	4.6519	267.5	78.6	21,902.697	1159.2	25,389.607		
686.38		86.1	871.5						102.4	739,328.193	1159.2	857,029.216		

Lucid Energy Group-PURCHASER

326 W. Quay
Artesia, NM 88210

Measurement 575-810-6045 or 575-810-6044

10/26/2018 8:49 AM

Kerry Egan

Daily Volume Statement

September 2018

Status: Closed

Meter ID 86118

Company Lucid Energy Delaware LLC

Alternate Meter ID

Contact Name

Meter Name Red Hills AGI Inlet

Phone

Use Contract Values: No

Alternate Meter Name

Fax

Analysis 9/12/2018 8:00 AM

DRN

Email

Station Effective Date				Contract Hour	Contract Calendar		Temp Base	Pressure Base	Atmos Pressure	Energy Basis	FQ ID	Chart Days	Chart Type		
01/01/1970 00:00				8	Normal (1st - 31st)		60.0	14.730	13.000	Dry	86118				
Meter Effective Date		Meter Type			Tap Type	Tap Location	Static Range		Diff Range	Temp Range	Tube Size	Orifice Size	Status		
01/01/1970 00:00		Orifice			F	U	0.0 - 1000.0		0.0 - 250.0	0.0 - 150.0	7.625	3.7500	Active		
On	Off	Flow Time	Flow Temp	Avg Press PSI	Real Relative Density	Mol% N2	Mol % CO2		Flow Ext	Avg Diff	Volume Mcf 14.730	Dry Heating Value	Energy Dth	Miss Data	Est Data
1	2	24.00	80.9	902.6	0.7394	1.2250	4.6519		300.3	99.8	26,692.231	1159.2	30,941.633		
2	3	24.00	83.1	892.8	0.7394	1.2250	4.6519		292.3	95.8	25,857.884	1159.2	29,974.463		
3	4	24.00	81.1	910.5	0.7394	1.2250	4.6519		321.7	113.7	28,600.150	1159.2	33,153.330		
4	5	24.00	84.1	865.9	0.7394	1.2250	4.6519		326.5	123.3	28,731.815	1159.2	33,305.921		
5	6	24.00	84.2	914.8	0.7394	1.2250	4.6519		322.8	114.0	28,554.953	1159.2	33,100.902		
6	7	24.00	80.9	952.3	0.7394	1.2250	4.6519		301.3	95.6	26,923.888	1159.2	31,210.173		
7	8	24.00	79.7	896.1	0.7394	1.2250	4.6519		346.6	134.4	30,832.997	1159.2	35,741.609		
8	9	24.00	82.4	925.3	0.7394	1.2250	4.6519		319.4	110.8	28,387.929	1159.2	32,907.283		
9	10	23.60	82.4	971.5	0.7394	1.2250	4.6519		302.2	94.4	26,564.647	1159.2	30,793.741		
10	11	24.00	81.9	935.8	0.7394	1.2250	4.6519		371.2	147.0	33,024.149	1159.2	38,281.593		
11	12	19.20	79.9	977.2	0.7394	1.2250	4.6519		221.0	51.2	15,841.638	1159.2	18,363.626		
12	13	23.27	81.6	967.4	0.7432	0.6318	3.5370		296.8	91.3	25,759.077	1202.3	29,859.923		
13	14	23.73	82.4	919.9	0.7432	0.6318	3.5370		317.7	109.8	27,911.131	1202.3	32,354.581		
14	15	24.00	82.3	907.6	0.7432	0.6318	3.5370		391.1	168.6	34,667.169	1202.3	40,186.183		
15	16	23.42	81.1	959.9	0.7432	0.6318	3.5370		328.6	113.5	28,673.438	1202.3	33,238.249		
16	17	24.00	81.4	881.8	0.7432	0.6318	3.5370		379.5	163.4	33,589.619	1202.3	38,937.087		
17	18	24.00	81.3	860.9	0.7432	0.6318	3.5370		388.0	174.9	34,256.199	1202.3	39,709.784		
18	19	24.00	81.7	861.7	0.7432	0.6318	3.5370		363.2	153.2	32,061.710	1202.3	37,165.936		
19	20	22.33	80.3	890.0	0.7432	0.6318	3.5370		349.5	136.7	28,848.507	1202.3	33,441.187		
20	21	23.50	80.1	882.3	0.7432	0.6318	3.5370		368.6	154.2	32,005.711	1202.3	37,101.022		
21	22	23.70	76.6	927.3	0.7432	0.6318	3.5370		353.5	135.2	31,317.642	1202.3	36,303.409		
22	23	23.43	78.8	927.8	0.7432	0.6318	3.5370		289.6	92.3	25,205.674	1202.3	29,218.415		
23	24	16.52	79.1	1007.6	0.7432	0.6318	3.5370		241.0	57.5	14,959.017	1202.3	17,340.489		
24	25	22.60	79.8	1010.5	0.7432	0.6318	3.5370		207.4	42.6	17,633.959	1202.3	20,441.286		
25	26	24.00	80.6	933.5	0.7432	0.6318	3.5370		324.9	113.4	28,984.593	1202.3	33,598.940		
26	27	24.00	74.7	892.5	0.7432	0.6318	3.5370		304.9	104.2	27,362.731	1202.3	31,718.875		
27	28	24.00	77.6	947.8	0.7432	0.6318	3.5370		330.7	115.5	29,714.839	1202.3	34,445.441		
28	29	23.95	78.6	980.7	0.7432	0.6318	3.5370		310.5	98.1	27,903.777	1202.3	32,346.052		
29	30	24.00	77.7	959.2	0.7432	0.6318	3.5370		328.7	113.5	29,568.261	1202.3	34,275.526		
30	1	24.00	79.3	972.5	0.7432	0.6318	3.5370		311.6	100.0	28,003.006	1202.3	32,461.087		
701.25		80.6	923.3							118.8	838,438.341	1186.9	971,917.746		

Lucid Energy Group-PURCHASER

326 W. Quay
Artesia, NM 88210

10/26/2018 8:49 AM

Kerry Egan

Measurement 575-810-6045 or 575-810-6044

Daily Volume Statement

October 2018

Status: Open

Meter ID 86118

Company Lucid Energy Delaware LLC

Alternate Meter ID

Contact Name

Meter Name Red Hills AGI Inlet

Phone

Use Contract Values: No

Alternate Meter Name

Fax

Analysis:10/1/2018 8:00 AM

DRN

Email

Station Effective Date				Contract Hour		Contract Calendar		Temp Base	Pressure Base	Atmos Pressure	Energy Basis	FQ ID	Chart Days	Chart Type	
01/01/1970 00:00				8		Normal (1st - 31st)		60.0	14.730	13.000	Dry	86118			
Meter Effective Date				Meter Type		Tap Type	Tap Location	Static Range	Diff Range		Temp Range	Tube Size	Orifice Size	Status	
01/01/1970 00:00				Orifice		F	U	0.0 - 1000.0	0.0 - 250.0		0.0 - 150.0	7.625	3.7500	Active	
On	Off	Flow Time	Flow Temp	Avg Press PSI	Real Relative Density	Mol% N2	Mol % CO2	Flow Ext	Avg Diff	Volume Mcf 14.730	Dry Heating Value	Energy Dth	Miss Data	Est Data	
1	2	24.00	77.7	1011.2	0.7432	0.6318	3.5370	336.6	112.1	30,582.457	1202.3	36,769.592	*		
2	3	23.83	78.5	956.2	0.7432	0.6318	3.5370	368.8	142.5	32,975.072	1202.3	39,646.260	*		
3	4	24.00	81.9	923.0	0.7432	0.6318	3.5370	364.8	144.5	32,486.553	1202.3	39,058.909	*		
4	5	24.00	81.7	952.5	0.7432	0.6318	3.5370	395.2	164.5	35,325.633	1202.3	42,472.359	*		
5	6	23.98	80.2	897.0	0.7432	0.6318	3.5370	380.0	161.0	33,821.545	1202.3	40,663.981	*		
6	7	23.98	79.0	891.0	0.7432	0.6318	3.5370	349.9	137.2	31,186.922	1202.3	37,496.346	*		
7	8	23.62	79.1	897.7	0.7432	0.6318	3.5370	348.5	135.4	30,616.764	1202.3	36,810.838	*		
8	9	23.93	77.5	849.5	0.7432	0.6318	3.5370	364.5	156.3	32,333.376	1202.3	38,874.744	*		
9	10	23.77	76.2	911.6	0.7432	0.6318	3.5370	371.9	152.0	33,121.235	1202.3	39,821.996	*		
10	11	24.00	76.7	885.5	0.7432	0.6318	3.5370	389.7	171.7	34,864.538	1202.3	41,917.985	*		
11	12	24.00	75.5	898.3	0.7432	0.6318	3.5370	382.2	162.9	34,330.219	1202.3	41,275.564	*		
12	13	23.85	74.2	937.8	0.7432	0.6318	3.5370	293.8	92.0	26,422.071	1202.3	31,767.519	*		
13	14	24.00	75.9	858.1	0.7432	0.6318	3.5370	349.9	142.5	31,251.973	1202.3	37,574.558	*		
14	15	20.00	71.2	886.4	0.7432	0.6318	3.5370	357.7	144.7	26,878.846	1202.3	32,316.709	*		
15	16	23.75	63.4	874.0	0.7432	0.6318	3.5370	329.1	124.6	29,829.906	1202.3	35,864.796	*		
16	17	24.00	68.1	906.4	0.7432	0.6318	3.5370	350.9	136.3	32,004.839	1202.3	38,479.739	*		
17	18	23.98	67.2	949.2	0.7432	0.6318	3.5370	363.5	139.5	33,391.706	1202.3	40,147.183	*		
18	19	24.00	69.0	951.8	0.7432	0.6318	3.5370	376.6	149.3	34,505.792	1202.3	41,486.661	*		
19	20	24.00	69.4	1007.0	0.7432	0.6318	3.5370	342.6	116.4	31,616.278	1202.3	38,012.565	*		
20	21	23.68	66.8	992.1	0.7432	0.6318	3.5370	303.2	92.8	27,702.335	1202.3	33,306.791	*		
21	22	24.00	68.7	962.7	0.7432	0.6318	3.5370	331.3	114.4	30,443.223	1202.3	36,602.195	*		
22	23	14.50	69.0	1014.9	0.7432	0.6318	3.5370	300.4	89.0	16,774.995	1202.3	20,168.748	*		
23	24	16.03	64.4	938.4	0.7432	0.6318	3.5370	349.8	131.5	21,557.928	1202.3	25,919.314	*		
24	25	23.30	66.6	996.2	0.7432	0.6318	3.5370	410.5	169.6	36,934.664	1202.3	44,406.917	*		
25	26	18.07	71.8	954.5	0.7432	0.6318	3.5370	420.7	185.7	28,901.360	1202.3	34,748.396	Y		
570.28		73.5	930.5					141.0		769,860.230	1202.3	925,610.665			

EZReporter Default Report

Sample Information

Sample Information	
Sample Name	Lucid AGI Inlet Gas
Gas Temp	91
Gas Pressure	869
Meter Number	86118
Operator	T Kirk
Method Name	06222018.met
Injection Date	2018-07-17 11:47:18
Report Date	2018-07-17 11:52:01
EZReporter Configuration File	Agave Energy Configuration.cfg 3.1.cfg
Source Data File	6454.dat
NGA Phys. Property Data Source	GPA Standard 2145-09 (FPS)
Data Source	EZIQ data system connection

Component Results

Component Name	Ret. Time	Peak Area	Norm%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	8.560	8156.0	0.9824	0.0	0.00950	0.000
Methane	8.880	391467.0	78.9001	798.7	0.43703	0.000
Carbon Dioxide	12.560	30242.0	3.8214	0.0	0.05807	0.000
Ethane	14.960	71799.0	8.4485	149.9	0.08771	2.267
Hydrogen Sulfide	24.580	3003.0	0.3795	2.4	0.00447	0.051
Propane	44.480	43491.0	4.1306	104.2	0.06289	1.142
i-Butane	20.420	31747.0	0.7619	24.8	0.01529	0.250
n-Butane	22.000	58999.0	1.4009	45.8	0.02811	0.443
i-Pentane	27.200	20446.0	0.4293	17.2	0.01069	0.158
n-Pentane	29.460	16107.0	0.3366	13.5	0.00839	0.122
n-Hexane	0.000	12635.0	0.2488	11.9	0.00740	0.103
n-Heptane	0.000	7045.0	0.1502	8.3	0.00520	0.070
n-Octane	0.000	975.0	0.0098	0.6	0.00039	0.005
n-Nonane	0.000	0.0	0.0000	0.0	0.00000	0.000
Total			100.0000	1177.3	0.73513	4.610

Results Summary

Result	Dry
Total Raw Mole% (Dry)	102.5030
Pressure Base (psia)	14.730
Temperature Base	60.0
Gross Heating Value (BTU / Ideal cu.ft.)	1177.3
Gross Heating Value (BTU / Real cu.ft.)	1181.4
Relative Density (G), Real	0.7373
Compressibility (Z) Factor	0.9966
Wobbe Index	1375.8

EZReporter Default Report

Sample Information

Sample Information	
Sample Name	Lucid AGI Inlet Gas
Gas Temp	94
Gas Pressure	891
Meter Number	86118
Operator	T Kirk
Method Name	06222018.met
Injection Date	2018-07-24 11:42:37
Report Date	2018-07-24 11:47:39
EZReporter Configuration File	Agave Energy Configuration.cfg 3.1.cfg
Source Data File	6469.dat
NGA Phys. Property Data Source	GPA Standard 2145-09 (FPS)
Data Source	EZIQ data system connection

Component Results

Component Name	Ret. Time	Peak Area	Norm%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	8.660	9831.0	1.2250	0.0	0.01185	0.000
Methane	8.980	373756.0	77.9173	788.8	0.43158	0.000
Carbon Dioxide	12.620	35594.0	4.6519	0.0	0.07069	0.000
Ethane	15.040	71676.0	8.7245	154.8	0.09058	2.341
Hydrogen Sulfide	24.540	3171.0	0.4147	2.6	0.00488	0.056
Propane	44.460	43032.0	4.2270	106.6	0.06436	1.168
i-Butane	20.440	26753.0	0.6640	21.6	0.01333	0.218
n-Butane	22.020	51937.0	1.2755	41.7	0.02560	0.403
i-Pentane	27.180	15873.0	0.3441	13.8	0.00857	0.126
n-Pentane	29.420	12813.0	0.2775	11.1	0.00691	0.101
n-Hexane	0.000	8421.0	0.1715	8.2	0.00510	0.071
n-Heptane	0.000	3936.0	0.0868	4.8	0.00300	0.040
n-Octane	0.000	1890.0	0.0202	1.3	0.00080	0.010
n-Nonane	0.000	0.0	0.0000	0.0	0.00000	0.000
Total			100.0000	1155.3	0.73724	4.535

Results Summary

Result	Dry
Total Raw Mole% (Dry)	99.1000
Pressure Base (psia)	14.730
Temperature Base	60.0
Gross Heating Value (BTU / Ideal cu.ft.)	1155.3
Gross Heating Value (BTU / Real cu.ft.)	1159.2
Relative Density (G), Real	0.7394
Compressibility (Z) Factor	0.9966
Wobbe Index	1348.1

EZReporter Default Report

Sample Information

Sample Information	
Sample Name	Lucid AGI Inlet Gas
Gas Temp	85
Gas Pressure	930
Meter Number	86118
Operator	T Kirk
Method Name	09-01-2018.met
Injection Date	2018-09-12 13:30:09
Report Date	2018-09-12 13:34:39
EZReporter Configuration File	Agave Energy Configuration.cfg 3.1.cfg
Source Data File	6801.dat
NGA Phys. Property Data Source	GPA Standard 2145-09 (FPS)
Data Source	EZIQ data system connection

Component Results

Component Name	Ret. Time	Peak Area	Norm%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)	
Nitrogen	8.660	5855.0	0.6318	0.0	0.00611	0.000	
Methane	8.980	382232.0	78.3372	793.0	0.43391	0.000	
Carbon Dioxide	12.660	26090.0	3.5370	0.0	0.05374	0.000	
Ethane	15.040	77389.0	8.8861	157.6	0.09226	2.384	
Hydrogen Sulfide	24.580	3759.0	0.4669	3.0	0.00549	0.063	
Propane	44.420	48165.0	4.7067	118.7	0.07166	1.301	
i-Butane	20.460	30893.0	0.7862	25.6	0.01578	0.258	
n-Butane	22.040	59094.0	1.3826	45.2	0.02775	0.437	
i-Pentane	27.260	18540.0	0.4602	18.5	0.01146	0.169	
n-Pentane	29.540	15366.0	0.3969	15.9	0.00989	0.144	
n-Hexane	0.000	10335.0	0.3087	14.7	0.00919	0.127	
n-Heptane	0.000	6389.0	0.0652	3.6	0.00226	0.030	
n-Octane	0.000	1572.0	0.0345	2.2	0.00136	0.018	
n-Nonane	0.000	0.0	0.0000	0.0	0.00000	0.000	
Total:			100.0000	1198.0	0.74085	4.933	

Results Summary

Result	Dry
Total Raw Mole% (Dry)	104.2980
Pressure Base (psia)	14.730
Temperature Base	60.0
Gross Heating Value (BTU / Ideal cu.ft.)	1198.0
Gross Heating Value (BTU / Real cu.ft.)	1202.3
Relative Density (G), Real	0.7432
Compressibility (Z) Factor	0.9965
Wobbe Index	1394.7

Analysis Certificate Report

Lucid Energy Group-PURCHASER

10/26/2018 8:39 AM

326 W. Quay
Artesia, NM 88210

Kerry Egan

Measurement 575-810-6045 or 575-810-6044

Analysis ID: 86118	Alternate ID:	Use Contract Values: No
Name Red Hills AGI Inlet	Company Name: Lucid Energy Group	
Effective Date: 10/01/2018 08:00	Saturated HV: 1181.4	Sample Date: 10/01/2018
Valid Thru Date: 12/31/2078 00:00	As Del. HV:	Sample ID: 86118
Fixed Edit Date: 01/01/1900 00:00	Dry HV: 1202.3	Sample Type: Spot
Last Update: 10/04/2018 08:41	Measured HV:	Sample Pressure Base: 14.730
Data Acquisition: File Transfer from Lab	WOBBE: 1394.6	Sample Temperature: 85.0
Data Source: Lab Analysis	Water Content:	Sample Pressure: 930.0
Real Relative Density: 0.7432	Status: Active	Lab Code:

Component	% Mol	GPM	Dry Gravity
Methane	78.3372		Saturated Gravity
Ethane	8.8861	2.3842	
Propane	4.7067	1.3009	
I Butane	0.7862	0.2581	
N Butane	1.3826	0.4373	
I Pentane	0.4602	0.1689	
N Pentane	0.3969	0.1443	
Hexanes +	0.4084	0.1753	

Nitrogen	0.6318	
CO2	3.5370	
Oxygen	0.0000	
H2O	0.0000	
CO	0.0000	
H2S	0.4669	
Hydrogen	0.0000	
Helium	0.0000	
Argon	0.0000	
Total	100.0000	4.8690

Sample Comments:

Configuration Comments:



C6+ GAS/VAPOR FRACTIONAL ANALYSIS

SAMPLE ID

Customer	Lucid Energy
Station No	N/A
Operator	Lucid Energy
Plant	Red Hills
Sample Of	AGI Compressor Inlet
Pressure	13 psig
Temperature	N/A
Atm. Temp	85 F
Sample Date	08/17/18
Sample Time	10:15:00 AM
Sampled By	Pantechs/DCB
Analysis Date	08/22/18
Sample Cyl No	PL128

COMPONENT	SYM	MOL %	WT %	GPM
Nitrogen	N2	0.007	0.005	0.001
Carbon Dioxide	CO2	87.229	89.595	14.879
Field Hyd. Sulf.	H2S	12.190	9.696	1.643
Oxygen	O2	----	----	----
Helium	He	----	----	----
Hydrogen	H2	----	----	----
Argon	Ar	----	----	----
Methane	C1	0.234	0.088	0.040
Ethane	C2	0.051	0.036	0.014
Propane	C3	0.027	0.028	0.007
i-Butane	iC4	0.027	0.037	0.009
n-Butane	nC4	0.006	0.008	0.002
i-Pentane	iC5	0.004	0.007	0.001
n-Pentane	nC5	0.005	0.008	0.002
Hexanes+	C6+	0.220	0.492	0.095
Totals:		100.000	100.000	16.693

DISTRIBUTION

Lucid Energy Delaware

- Joseph Giles; Artesia, NM
- Brad Hirst; Artesia, NM
- Bill Johnson; Artesia, NM

GASOLINE CONTENT (GPM)

Ethane & Heavier	0.130
Propane & Heavier	0.116
Butanes & Heavier	0.109
Pentanes & Heavier	0.098
26# Gasoline	0.116

HEATING VALUE (Gross Btu/CF)

Ideal, Dry	94.30
Ideal, WV Saturated	93.50
Real, Dry	94.90
Real, WV Saturated	94.10

CALCULATIONS / METHODS

Pressure Base, PSIA	14.65
Temp Base, DEG F	60
Ideal/Real Gas	Real

CALC. PROPERTIES	SG	Z	MW
Dry	1.488	0.994	42.847
Water Saturated	1.474	0.993	42.098

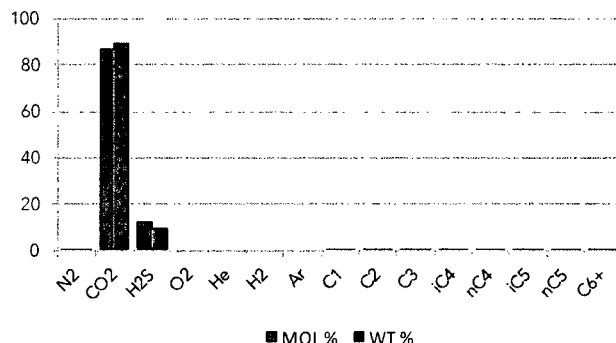
Wobbe Index, Real 77.80

APPLICABLE CURRENT GPA & ASTM METHODS, PROCEDURES, AND
CONSTANTS ARE USED

REMARKS / COMMENTS / OTHER

Field H2S On-Site by Tutweiler
Hydrogen Sulfide: 123,072.7 ppmv; 7,740.42 G/100 SCF

RELATIVE CONCENTRATION



C6+ GAS/VAPOR FRACTIONAL ANALYSIS

SAMPLE ID

Customer	Lucid Energy
Station No	N/A
Operator	Lucid Energy
Plant	Red Hills
Sample Of	AGI Compressor Inlet
Pressure	13 psig
Temperature	N/A
Atm. Temp	80 F
Sample Date	08/31/18
Sample Time	9:30:00 AM
Sampled By	Pantechs/DCB
Analysis Date	09/05/18
Sample Cyl No	PL2502

COMPONENT	SYM	MOL %	WT %	GPM
Nitrogen	N2	0.042	0.026	0.005
Carbon Dioxide	CO2	82.446	81.619	14.084
Field Hyd. Sulf.	H2S	11.273	8.642	1.522
Oxygen	O2	----	----	----
Helium	He	----	----	----
Hydrogen	H2	----	----	----
Argon	Ar	----	----	----
Methane	C1	0.708	0.255	0.120
Ethane	C2	0.411	0.278	0.110
Propane	C3	0.567	0.562	0.157
i-Butane	iC4	0.210	0.275	0.069
n-Butane	nC4	0.631	0.825	0.199
i-Pentane	iC5	0.443	0.719	0.163
n-Pentane	nC5	0.467	0.758	0.170
Hexanes+	C6+	2.802	6.041	1.206
Totals:		100.000	100.000	17.805

DISTRIBUTION

Lucid Energy Delaware

- Kerry Egan; Artesia, NM
- Joseph Giles; Artesia, NM
- Brad Hirst; Artesia, NM
- Bill Johnson; Artesia, NM
- Dustin McNeely; Artesia, NM

GASOLINE CONTENT (GPM)

Ethane & Heavier	2.074
Propane & Heavier	1.964
Butanes & Heavier	1.807
Pentanes & Heavier	1.539
26# Gasoline	1.896

HEATING VALUE (Gross Btu/CF)

Ideal, Dry	310.10
Ideal, WV Saturated	305.60
Real, Dry	312.50
Real, WV Saturated	308.10

CALCULATIONS / METHODS

Pressure Base, PSIA	14.65
Temp Base, DEG F	60
Ideal/Real Gas	Real

CALC. PROPERTIES	SG	Z	MW
Dry	1.546	0.992	44.456
Water Saturated	1.531	0.992	43.679

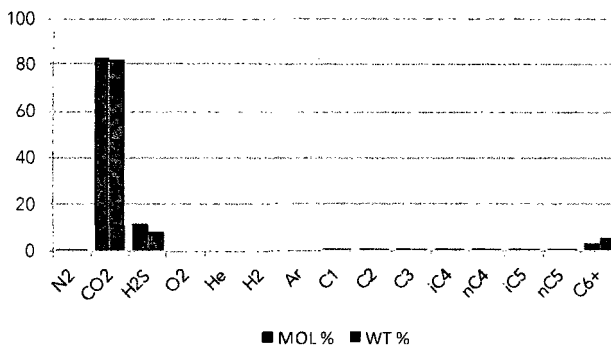
Wobbe Index, Real 251.31

APPLICABLE CURRENT GPA & ASTM METHODS, PROCEDURES, AND CONSTANTS ARE USED

REMARKS / COMMENTS / OTHER

Field H2S On-Site by Tutweiler
Hydrogen Sulfide: 113,814.0 ppmv; 7,158.12 G/100 SCF

RELATIVE CONCENTRATION





C6+ GAS/VAPOR FRACTIONAL ANALYSIS

SAMPLE ID

Customer	Lucid Energy
Station No	N/A
Operator	Lucid Energy
Plant	Red Hills
Sample Of	AGI Compressor Inlet
Pressure	13 psig
Temperature	N/A
Atm. Temp	76 F
Sample Date	09/14/18
Sample Time	9:35:00 AM
Sampled By	Pantechs/DCB
Analysis Date	09/17/18
Sample Cyl No	PL2392

COMPONENT	SYM	MOL %	WT %	GPM
Nitrogen	N2	0.014	0.009	0.002
Carbon Dioxide	CO2	87.484	89.450	14.923
Field Hyd. Sulf.	H2S	11.589	9.176	1.563
Oxygen	O2	----	----	----
Helium	He	----	----	----
Hydrogen	H2	----	----	----
Argon	Ar	----	----	----
Methane	C1	0.215	0.080	0.036
Ethane	C2	0.066	0.046	0.018
Propane	C3	0.050	0.051	0.014
i-Butane	iC4	0.019	0.026	0.006
n-Butane	nC4	0.049	0.066	0.015
i-Pentane	iC5	0.043	0.072	0.016
n-Pentane	nC5	0.045	0.075	0.016
Hexanes+	C6+	0.426	0.949	0.183
Totals:		100.000	100.000	16.792

DISTRIBUTION

- Lucid Energy Delaware
- Kerry Egan; Artesia, NM
 - Joseph Giles; Artesia, NM
 - Brad Hirst; Artesia, NM
 - Bill Johnson; Artesia, NM
 - Dustin McNeely; Artesia, NM

GASOLINE CONTENT (GPM)

Ethane & Heavier	0.268
Propane & Heavier	0.250
Butanes & Heavier	0.236
Pentanes & Heavier	0.215
26# Gasoline	0.25

HEATING VALUE (Gross Btu/CF)

Ideal, Dry	106.10
Ideal, WV Saturated	105.10
Real, Dry	106.80
Real, WV Saturated	105.80

CALCULATIONS / METHODS

Pressure Base, PSIA	14.65
Temp Base, DEG F	60
Ideal/Real Gas	Real

CALC. PROPERTIES

	SG	Z	MW
Dry	1.495	0.994	43.043
Water Saturated	1.481	0.993	42.291

Wobbe Index, Real

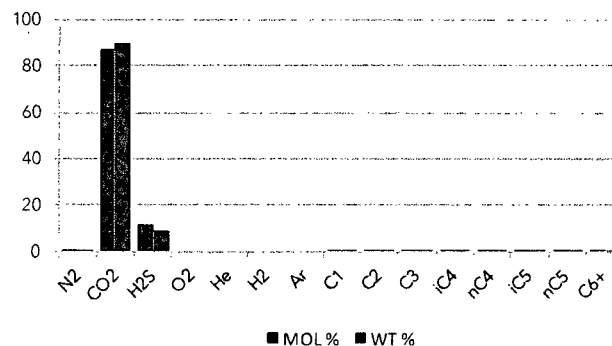
87.35

APPLICABLE CURRENT GPA & ASTM METHODS, PROCEDURES, AND CONSTANTS ARE USED

REMARKS / COMMENTS / OTHER

Field H2S On-Site by Tutweiler
Hydrogen Sulfide: 117,005.6 ppmv; 7,358.85 G/100 SCF

RELATIVE CONCENTRATION





C6+ GAS/VAPOR FRACTIONAL ANALYSIS

SAMPLE ID

Customer	Lucid Energy
Station No	N/A
Operator	Lucid Energy
Plant	Red Hills
Sample Of	AGI Compressor Inlet
Pressure	7 psig
Temperature	N/A
Atm. Temp	55 F
Sample Date	09/26/18
Sample Time	9:45:00 AM
Sampled By	Pantechs/CJC
Analysis Date	09/27/18
Sample Cyl No	PL1622

COMPONENT	SYM	MOL %	WT %	GPM
Nitrogen	N2	0.008	0.005	0.001
Carbon Dioxide	CO2	83.362	82.619	14.239
Field Hyd. Sulf.	H2S	11.391	8.742	1.538
Oxygen	O2	----	----	----
Helium	He	----	----	----
Hydrogen	H2	----	----	----
Argon	Ar	----	----	----
Methane	C1	0.465	0.168	0.079
Ethane	C2	0.229	0.155	0.061
Propane	C3	0.376	0.373	0.104
i-Butane	iC4	0.179	0.234	0.059
n-Butane	nC4	0.524	0.686	0.166
i-Pentane	iC5	0.418	0.679	0.153
n-Pentane	nC5	0.448	0.728	0.163
Hexanes+	C6+	2.600	5.611	1.118
Totals:		100.000	100.000	17.681

DISTRIBUTION

Lucid Energy Delaware

- Kerry Egan; Artesia, NM
- Joseph Giles; Artesia, NM
- Brad Hirst; Artesia, NM
- Bill Johnson; Artesia, NM
- Dustin McNeely; Artesia, NM

GASOLINE CONTENT (GPM)

Ethane & Heavier	1.824
Propane & Heavier	1.763
Butanes & Heavier	1.659
Pentanes & Heavier	1.434
26# Gasoline	1.745

HEATING VALUE (Gross Btu/CF)

Ideal, Dry	283.60
Ideal, WV Saturated	279.50
Real, Dry	285.80
Real, WV Saturated	281.80

CALCULATIONS / METHODS

Pressure Base, PSIA	14.65
Temp Base, DEG F	60
Ideal/Real Gas	Real

CALC. PROPERTIES	SG	Z	MW
Dry	1.544	0.992	44.406
Water Saturated	1.529	0.992	43.630

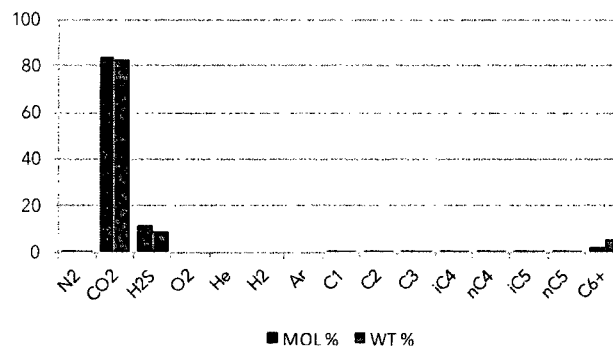
Wobbe Index, Real 229.98

APPLICABLE CURRENT GPA & ASTM METHODS, PROCEDURES, AND CONSTANTS ARE USED

REMARKS / COMMENTS / OTHER

Field H2S On-Site by Tutweiler
Hydrogen Sulfide: 115,005.9 ppmv; 7,233.07 G/100 SCF

RELATIVE CONCENTRATION





C6+ GAS/VAPOR FRACTIONAL ANALYSIS

SAMPLE ID

Customer	Lucid Energy
Station No	N/A
Operator	Lucid Energy
Plant	Red Hills
Sample Of	AGI Compressor Inlet
Pressure	12 psig
Temperature	N/A
Atm. Temp	67 F
Sample Date	10/12/18
Sample Time	9:45:00 AM
Sampled By	Pantechs/CJC
Analysis Date	10/17/18
Sample Cyl No	PL2222

COMPONENT	SYM	MOL %	WT %	GPM
Nitrogen	N2	0.040	0.026	0.004
Carbon Dioxide	CO2	85.127	87.888	14.522
Field Hyd. Sulf.	H2S	11.656	9.319	1.572
Oxygen	O2	----	----	----
Helium	He	----	----	----
Hydrogen	H2	----	----	----
Argon	Ar	----	----	----
Methane	C1	1.730	0.651	0.293
Ethane	C2	0.442	0.312	0.118
Propane	C3	0.201	0.208	0.055
i-Butane	iC4	0.039	0.053	0.013
n-Butane	nC4	0.112	0.153	0.035
i-Pentane	iC5	0.065	0.110	0.024
n-Pentane	nC5	0.075	0.127	0.027
Hexanes+	C6+	0.513	1.153	0.220
Totals:		100.000	100.000	16.883

DISTRIBUTION

Lucid Energy Delaware

- Kerry Egan; Artesia, NM
- Joseph Giles; Artesia, NM
- Brad Hirst; Artesia, NM
- Bill Johnson; Artesia, NM
- Dustin McNeely; Artesia, NM

GASOLINE CONTENT (GPM)

Ethane & Heavier	0.492
Propane & Heavier	0.374
Butanes & Heavier	0.319
Pentanes & Heavier	0.271
26# Gasoline	0.335

HEATING VALUE (Gross Btu/CF)

Ideal, Dry	141.50
Ideal, WV Saturated	139.90
Real, Dry	142.40
Real, WV Saturated	140.80

CALCULATIONS / METHODS

Pressure Base, PSIA	14.65
Temp Base, DEG F	60
Ideal/Real Gas	Real

CALC. PROPERTIES	SG	Z	MW
Dry	1.481	0.994	42.627
Water Saturated	1.466	0.993	41.882

Wobbe Index, Real 117.02

APPLICABLE CURRENT GPA & ASTM METHODS, PROCEDURES, AND CONSTANTS ARE USED

REMARKS / COMMENTS / OTHER

Field H2S On-Site by Tutweiler
Hydrogen Sulfide: 117,685.6 ppmv; 7,401.61 G/100 SCF

RELATIVE CONCENTRATION

