

# Monthly Meter Analysis

## May 2022



Meter #: 99041  
Name: VANDELAY SWEET DISCHARGE

### Sample

Date: 01/01/2022  
Type: Composite  
Pressure: 1038.7 H2O:  
Temperature: 122.7 H2S: 0 ppm

Component	Mole %	Liquid Content	Mass %
Carbon Dioxide (CO2)	1.3949		2.7765
Nitrogen (N2)	1.4375		1.8214
Methane (C1)	74.5451		54.0900
Ethane (C2)	12.0446	3.2330	16.3809
Propane (C3)	6.5400	1.8080	13.0436
Isobutane (IC4)	0.8383	0.2750	2.2037
n-Butane (NC4)	1.9077	0.6040	5.0151
Isopentane (IC5)	0.4302	0.1580	1.4038
n-Pentane (NC5)	0.3866	0.1410	1.2615
Hexanes Plus (C6+)	0.4753	0.2080	2.0035
Argon (Ar)			
Carbon Monoxide (CO)			
Hydrogen (H2)			
Oxygen (O2)			
Helium (He)			
Water (H2O)			
Hydrogen Sulfide (H2S)			
<b>Totals</b>	<b>100.0002</b>	<b>6.4270</b>	<b>100.0000</b>

Property	Total Sample
Pressure Base	14.730
Temperature Base	60.00
Relative Density	0.7661
HV, Dry @ Base P, T	1285.16
HV, Sat @ Base P, T	1263.32
HV, Sat @ Sample P, T	1339.50
Cricodentherm	
HCDP @ Sample Pressure	
Full Wellstream	
Free Water	
Condensate	
26 # RVP Gasoline	0.754
Testcar Permian	1.003
Testcar Panhandle	0.708
Testcar Midcon	0.611

\*\*\* End of Report \*\*\*

Please submit this form by the 5<sup>th</sup> business day of the month following the month the vent/blowdown occurred. Please submit a separate form for each site. All sections should be filled out by field personnel. **All red fields per event must be entered to calculate volumes correctly!** **All yellow fields should be entered if known for increased accuracy.**

Balance/Lateral	VANDELAY SWEET BALANCE VENT BD	Event Month	May
CS/Plant	VANDELAY SWEET CS VENT BD	Event Day	5
Employee Name	Gamma Martinez/Willie Pierce	Event Year	2022

Calculated (Pipeline) Volumes							
Blowdown(s)				Purge/Vent			
Reference Meter Number		Blowdown (MCF)		Reference Meter Number		Volume Lost (MCF)	1,014.68
Pipe ID (in)		Length (Feet)		Beginning Date & Time	05/05/2022 1100	Vent Duration (Hours)	2.25
Begin Press. (PSIG)		End Press. (PSIG)		Ending Date & Time	05/05/2022 1315	Gas Temp	
Gas Temp.		Specific Gravity		Pipe ID (in)	10in Sch. 80	Specific Gravity	
Elevation (ft)				Orifice Size (in)	2	Elevation (ft)	
				Avg Pressure	112.00		
Reference Meter Number		Blowdown (MCF)		Reference Meter Number		Volume Lost (MCF)	22,233.60
Pipe ID (in)		Length (Feet)		Beginning Date & Time	05/05/2022 0945	Vent Duration (Hours)	6.75
Begin Press. (PSIG)		End Press. (PSIG)		Ending Date & Time	05/05/2022 1630	Gas Temp	
Gas Temp.		Specific Gravity		Pipe ID (in)	10in Sch. 80	Specific Gravity	
Elevation (ft)				Orifice Size (in)	2	Elevation (ft)	
				Avg Pressure	900.00		
Reference Meter Number		Blowdown (MCF)		Reference Meter Number		Volume Lost (MCF)	
Pipe ID (in)		Length (Feet)		Beginning Date & Time		Vent Duration (Hours)	
Begin Press. (PSIG)		End Press. (PSIG)		Ending Date & Time		Gas Temp	
Gas Temp.		Specific Gravity		Pipe ID (in)		Specific Gravity	
Elevation (ft)				Orifice Size (in)		Elevation (ft)	
				Avg Pressure			

Known (Station) Volumes					
<b>Volumes must be known to calculate correctly!</b>					
Type of Blowdown	Number of Occurrences	Known Volume (MCF) Blowdown		Volume (MCF)	
		Multiplied by		Equals	
		Multiplied by		Equals	
		Multiplied by		Equals	

Total Volume (MCF): 23,248.28

Comments:
Had to purge the inlet of Vandelay Sweet and the discharge of Vandelay Sweet to get H2S out of the line that came from Franklin Mountain

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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

DEFINITIONS

Action 104944

DEFINITIONS

Operator: LUCID ENERGY DELAWARE, LLC 201 S. Fourth Street Artesia, NM 88210	OGRID: 372422
	Action Number: 104944
	Action Type: [C-129] Venting and/or Flaring (C-129)

DEFINITIONS

For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application: <ul style="list-style-type: none"><li>• this application's operator, hereinafter "this operator";</li><li>• venting and/or flaring, hereinafter "vent or flare";</li><li>• any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";</li><li>• the statements in (and/or attached to) this, hereinafter "the statements in this";</li><li>• and the past tense will be used in lieu of mixed past/present tense questions and statements.</li></ul>
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QUESTIONS

Action 104944

**QUESTIONS**

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	Action Number: 104944
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS****Prerequisites**

Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.

Incident Well	Not answered.
Incident Facility	[fAPP2123031392] Lucid Energy Delaware LLC

**Determination of Reporting Requirements**

Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.

Was this vent or flare caused by an emergency or malfunction	No
Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event	No
Is this considered a submission for a vent or flare event	Yes, major venting and/or flaring of natural gas.

An operator shall file a form C-141 instead of a form C-129 for a release that, includes liquid during venting and/or flaring that is or may be a major or minor release under 19.15.29.7 NMAC.

Was there at least 50 MCF of natural gas vented and/or flared during this event	Yes
Did this vent or flare result in the release of <b>ANY</b> liquids (not fully and/or completely flared) that reached (or has a chance of reaching) the ground, a surface, a watercourse, or otherwise, with reasonable probability, endanger public health, the environment or fresh water	No
Was the vent or flare within an incorporated municipal boundary or withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

**Equipment Involved**

Primary Equipment Involved	Not answered.
Additional details for Equipment Involved. Please specify	Not answered.

**Representative Compositional Analysis of Vented or Flared Natural Gas**

Please provide the mole percent for the percentage questions in this group.

Methane (CH4) percentage	75
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	1
Oxygen (O2) percentage, if greater than one percent	0

If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.

Methane (CH4) percentage quality requirement	Not answered.
Nitrogen (N2) percentage quality requirement	4
Hydrogen Sulfide (H2S) PPM quality requirement	17
Carbon Dioxide (CO2) percentage quality requirement	2
Oxygen (O2) percentage quality requirement	0

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Action 104944

QUESTIONS (continued)

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	Action Number:  104944
	Action Type:  [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	05/05/2022
Time vent or flare was discovered or commenced	09:45 AM
Time vent or flare was terminated	04:30 PM
Cumulative hours during this event	7

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Pipeline Quality Specifications   Pipeline (Any)   Natural Gas Vented   Released: 22,233 Mcf   Recovered: 0 Mcf   Lost: 22,233 Mcf ]
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Additional details for Measured or Estimated Volume(s). Please specify	Not answered.
Is this a gas only submission (i.e. only significant Mcf values reported)	Yes, according to supplied volumes this appears to be a "gas only" report.

Venting or Flaring Resulting from Downstream Activity	
Was this vent or flare a result of downstream activity	No
Was notification of downstream activity received by this operator	Not answered.
Downstream OGRID that should have notified this operator	Not answered.
Date notified of downstream activity requiring this vent or flare	Not answered.
Time notified of downstream activity requiring this vent or flare	Not answered.

Steps and Actions to Prevent Waste	
For this event, this operator could not have reasonably anticipated the current event and it was beyond this operator's control.	True
Please explain reason for why this event was beyond this operator's control	This was event was beyond control due to an upstream operator sending natural gas containing high levels of H2S.
Steps taken to limit the duration and magnitude of vent or flare	All possible steps were taken to limit the duration and magnitude of this venting event.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	There are no practicable corrective actions as this event was necessary to mitigate H2S levels in the pipeline.

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ACKNOWLEDGMENTS

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**ACKNOWLEDGMENTS**

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit a <i>Venting and/or Flaring</i> (C-129) report on behalf of this operator and understand that this report can be a <b>complete</b> C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to this operator) to track any C-129 forms, pursuant to 19.15.27.7 and 19.15.28.8 NMAC and understand that this submission meets the notification requirements of Paragraph (1) of Subsection G and F respectively.
<input checked="" type="checkbox"/>	I hereby certify the statements in this report are true and correct to the best of my knowledge and acknowledge that any false statement may be subject to civil and criminal penalties under the Oil and Gas Act.
<input checked="" type="checkbox"/>	I acknowledge that the acceptance of any C-129 forms by the OCD does not relieve this operator of liability should their operations have failed to adequately investigate, report, and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment.
<input checked="" type="checkbox"/>	I acknowledge that OCD acceptance of any C-129 forms does not relieve this operator of responsibility for compliance with any other applicable federal, state, or local laws and/or regulations.

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CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
michaelgant	If the information provided in this report requires an amendment, submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	5/6/2022