



# Certificate of Analysis

Number: 5030-22060602-001A

**Midland Laboratory**  
 2200 East I-20  
 Midland, TX 79706  
 Phone 432-689-7252

Station Name: ENRON STATE BATTERY  
 Method: GPA-2261  
 Analyzed: 06/29/2022 16:20:10 by DMA

June 30, 2022

Sampled By: JODY FORTNER  
 Sample Of: Gas Spot  
 Sample Date: 06/27/2022 10:35  
 Sample Conditions: 66 psig

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.696 psia		
Hydrogen Sulfide	1.400	1.995		GPM TOTAL C2+	7.723
Nitrogen	1.797	2.105		GPM TOTAL C3+	3.550
Carbon Dioxide	3.175	5.844		GPM TOTAL iC5+	0.721
Methane	66.421	44.565			
Ethane	15.573	19.583	4.173		
Propane	7.164	13.211	1.977		
Iso-butane	0.790	1.920	0.259		
n-Butane	1.878	4.565	0.593		
Iso-pentane	0.454	1.370	0.166		
n-Pentane	0.467	1.409	0.170		
Hexanes Plus	0.881	3.433	0.385		
	100.000	100.000	7.723		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8290	3.2176
Calculated Molecular Weight	23.91	93.19
Compressibility Factor	0.9955	
<b>GPA 2172 Calculation:</b>		
<b>Calculated Gross BTU per ft³ @ 14.696 psia &amp; 60°F</b>		
Real Gas Dry BTU	1311	5129
Water Sat. Gas Base BTU	1288	5040

Data reviewed by: Marco Barrientos

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.

# Meter Summary

ENRON STATE CDP, Artesia

Unit	Meter / Date	OP Hrs	Gas (MCF)	Oil/Cond (bbl)	Water (bbl)
ENRON STATE CDP	ENRON STATE CDP Gas MTR		1.00	0.00	0.00
ENRON STATE CDP	ENRON STATE CDP WTR MTR		0.00	0.00	43,155.00
ENRON STATE CDP	TEMP FLARE METER		33,907.00	0.00	0.00

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**Oil Conservation Division**  
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**Santa Fe, NM 87505**

DEFINITIONS

Action 172110

**DEFINITIONS**

Operator: Contango Resources, LLC 111 E. 5TH STREET FORT WORTH, TX 76102	OGRID: 330447
	Action Number: 172110
	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:

- this application's operator, hereinafter "this operator";
- venting and/or flaring, hereinafter "vent or flare";
- any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";
- the statements in (and/or attached to) this, hereinafter "the statements in this";
- and the past tense will be used in lieu of mixed past/present tense questions and statements.

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QUESTIONS

Action 172110

**QUESTIONS**

Operator: Contango Resources, LLC 111 E. 5TH STREET FORT WORTH, TX 76102	OGRID: 330447
	Action Number: 172110
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

<b>Prerequisites</b>	
<i>Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.</i>	
Incident Well	Unavailable.
Incident Facility	[fAB1833156482] ENRON STATE BATTERY

<b>Determination of Reporting Requirements</b>	
<i>Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.</i>	
Was this vent or flare caused by an emergency or malfunction	Yes
Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event	Yes
Is this considered a submission for a vent or flare event	Yes, major venting and/or flaring of natural gas.
<i>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.</i>	
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 ANY 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 within 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

<b>Equipment Involved</b>	
Primary Equipment Involved	Not answered.
Additional details for Equipment Involved. Please specify	Not answered.

<b>Representative Compositional Analysis of Vented or Flared Natural Gas</b>	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	66
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	1
Carbon Dioxide (CO2) percentage, if greater than one percent	3
Oxygen (O2) percentage, if greater than one percent	0
<i>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</i>	
Methane (CH4) percentage quality requirement	Not answered.
Nitrogen (N2) percentage quality requirement	Not answered.
Hydrogen Sulfide (H2S) PPM quality requirement	Not answered.
Carbon Dioxide (CO2) percentage quality requirement	Not answered.
Oxygen (O2) percentage quality requirement	Not answered.

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**QUESTIONS (continued)**

Operator: Contango Resources, LLC 111 E. 5TH STREET FORT WORTH, TX 76102	OGRID: 330447
	Action Number: 172110
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	10/19/2022
Time vent or flare was discovered or commenced	08:30 AM
Time vent or flare was terminated	01:35 PM
Cumulative hours during this event	1,757

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Equipment Failure   Gas Well   Natural Gas Flared   Released: 33,907 Mcf   Recovered: 0 Mcf   Lost: 33,907 Mcf.
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	Yes
Was notification of downstream activity received by this operator	Yes
Downstream OGRID that should have notified this operator	[224903] FRONTIER FIELD SERVICES, LLC
Date notified of downstream activity requiring this vent or flare	10/19/2022
Time notified of downstream activity requiring this vent or flare	05:00 PM

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	Fire at plant downstream
Steps taken to limit the duration and magnitude of vent or flare	Duration determined by plant operations
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	unknown

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ACKNOWLEDGMENTS

Action 172110

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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

Action 172110

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**CONDITIONS**

Created By	Condition	Condition Date
kpolk	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.	1/4/2023