

# Monthly Meter Analysis

June 2023



Meter #: 37810  
Name: BL Yard Discharge

## Sample

Date: 06/28/2023

Type: Spot

Pressure: 878.8 H2O:

Temperature: 91.4 H2S:

Component	Mole %	Liquid Content	Mass %
Carbon Dioxide (CO2)	0.1948		0.4582
Nitrogen (N2)	4.7711		7.1354
Methane (C1)	86.3747		73.9720
Ethane (C2)	4.7915	1.2844	7.6910
Propane (C3)	1.8052	0.4985	4.2490
Isobutane (IC4)	0.3054	0.0998	0.9474
n-Butane (NC4)	0.6086	0.1920	1.8877
Isopentane (IC5)	0.1949	0.0716	0.7503
n-Pentane (NC5)	0.2194	0.0794	0.8438
Hexanes Plus (C6+)	0.3792	0.1662	1.8857
Argon (Ar)			
Carbon Monoxide (CO)			
Hydrogen (H2)			
Oxygen (O2)	0.0698		0.1190
Helium (He)	0.2855		0.0608
Water (H2O)			
Hydrogen Sulfide (H2S)			
Totals	100.0001	2.3919	100.0003

Property	Total Sample
Pressure Base	14.730
Temperature Base	60.00
Relative Density	0.6482
HV, Dry @ Base P,T	1073.55
HV, Sat @ Base P, T	1055.25
HV, Sat @ Sample P, T	1072.41
Cricondentherm	
HCDP @ Sample Pressure	
Full Wellstream	
Free Water	
Condensate	
26 # RVP Gasoline	0.486
Testcar Permian	0.590
Testcar Panhandle	0.494
Testcar Midcon	0.549

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

You will need to enter the Volume in Cell B5 and the know components of the gas stream below beginning in Cell B33.

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Enter the know MCF if A Venting Event

	lbs
Carbon Dioxide, CO2	106.1938286
Nitrogen, N2	1655.137964
Methane, C1	17122.38209
Ethane, C2	1780.94
Propane, C3	986.33
i-butane, iC4	219.84
n-Butane, nC4	438.09
i-pentane, iC5	174.22
n-Pentane, nC5	196.12
Hexanes, C6+	404.98
Hydrogen Sulfide, H2S	0.00
Helium, He	14.15
VOC/ NaturalGas	2419.59

{mcf/event} \* 1000 {cf/mcf} \* 0.90359 {mole fraction} \* 44 {lb/lb-mole} / 385 {scf/lb-mole}

{mcf/event} \* 1000 {cf/mcf} \* 0.0022 {mole fraction} \* 28 {lb/lb-mole} / 385 {scf/lb-mole}

{mcf/event} \* 1000 {cf/mcf} \* 0.00851 {mole fraction} \* 16 {lb/lb-mole} / 385 {scf/lb-mole} \* (1 - 0.98)

{mcf/event} \* 1000 {cf/mcf} \* 0.00034 {mole fraction} \* 30 {lb/lb-mole} / 385 {scf/lb-mole} \* (1 - 0.98)

{mcf/event} \* 1000 {cf/mcf} \* 0.02744 {mole fraction} \* 44.1 {lb/lb-mole} / 385 {scf/lb-mole} \* (1 - 0.98)

{mcf/event} \* 1000 {cf/mcf} \* {mole fraction} \* 58.1 {lb/lb-mole} / 385 {scf/lb-mole}\*(1-0.98)

{mcf/event} \* 1000 {cf/mcf} \* 0.00034 {mole fraction} \* 58.12 {lb/lb-mole} / 385 {scf/lb-mole} \* (1 - 0.98)

{mcf/event} \* 1000 {cf/mcf} \* 0.00021 {mole fraction} \* 72.15 {lb/lb-mole} / 385 {scf/lb-mole} \* (1 - 0.98)

{mcf/event} \* 1000 {cf/mcf} \* 0.00024 {mole fraction} \* 72.15 {lb/lb-mole} / 385 {scf/lb-mole} \* (1 - 0.98)

{mcf/event} \* 1000 {cf/mcf} \* {mole fraction} \* 86.2 {lb/lb-mole} / 385 {scf/lb-mole}\* (1 - 0.98)

{mcf/event} \* 1000 {cf/mcf} \* 0.0557 {mole fraction} \* 34.1 {lb/lb-mole} / 385 {scf/lb-mole} \* (1 - 0.98)

{mcf/event} \* 1000 {cf/mcf} \* 0.00143 {mole fraction} \* 4 {lb/lb-mole} / 385 {scf/lb-mole}

Sum of emissions: {lb/event for Propane} + {lb/event for n-Butane} + {lb/event for i-Pentane} + {lb/event for n-Pentane} + {lb/event for i-Butane} + {lb/event for Hexane}

Enter the Gas Analysis below

	Mole %	Mole Fraction
Carbon Dioxide, CO2	0.1948	0.0019
Nitrogen, N2	4.7711	0.0477
Methane, C1	86.3747	0.8637
Ethane, C2	4.7915	0.0479
Propane, C3	1.8052	0.0181
Isobutane, iC4	0.3054	0.0031
n-Butane, nC4	0.6086	0.0061
Isopentane, iC5	0.1949	0.0019
n-Pentane, nC5	0.2194	0.0022
Hexanes, C6	0.3792	0.0038
Water, H2O	0.0000	0.0000
Hydrogen Sulfide, H2S	0.0000	0.0000
Oxygen, O2	0.0698	0.0007
Carbon Monoxide, CO		0.0000
Hydrogen, H2		0.0000
Helium, He	0.2855	0.0029
Argon, Ar		0.0000
Total	100.0001	1.0000

Sum of emissions: {lb/event for Propane} + {lb/event for n-Butane} + {lb/event for i-Pentane} + {lb/event for n-Pentane} + {lb/event for i-Butane} + {lb/event for Hexane} {mcf/event} \* 1000 {cf/mcf} \* 0.02744 {mole fraction} \* 44.1 {lb/lb-mole} / 385 {scf/lb-mole} \* (1 - 0.98) {mcf/event} \* 1000 {cf/mcf} \* 0.00034 {mole fraction} \* 58.12 {lb/lb-mole} / 385 {scf/lb-mole} \* (1 - 0.98) {mcf/event} \* 1000 {cf/mcf} \* 0.00021 {mole fraction} \* 72.15 {lb/lb-mole} / 385 {scf/lb-mole} \* (1 - 0.98) {mcf/event} \* 1000 {cf/mcf} \* 0.00024 {mole fraction} \* 72.15 {lb/lb-mole} / 385 {scf/lb-mole} \* (1 - 0.98){mcf/event} \* 1000 {cf/mcf} \* {mole fraction} \* 58.1 {lb/lb-mole} / 385 {scf/lb-mole}\*(1-0.98) {mcf/event} \* 1000 {cf/mcf} \* {mole fraction} \* 86.2 {lb/lb-mole} / 385 {scf/lb-mole}\* (1 - 0.98)

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**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**

DEFINITIONS

Action 247179

DEFINITIONS

Operator: IACX Roswell, LLC 6263 North Main Street Roswell, NM 88201	OGRID: 329556
	Action Number: 247179
	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 247179

**QUESTIONS**

Operator: IACX Roswell, LLC 6263 North Main Street Roswell, NM 88201	OGRID: 329556
	Action Number: 247179
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

<b>Prerequisites</b> 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	Unavailable.
Incident Facility	[fAPP2308249493] Bitter Lakes Compressor Station

<b>Determination of Reporting Requirements</b> 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	Yes
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, minor 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 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> Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	86
Nitrogen (N2) percentage, if greater than one percent	5
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	0
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	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, Page 2

Action 247179

**QUESTIONS (continued)**

Operator: IACX Roswell, LLC 6263 North Main Street Roswell, NM 88201	OGRID: 329556
	Action Number: 247179
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	07/19/2023
Time vent or flare was discovered or commenced	10:00 PM
Time vent or flare was terminated	11:30 PM
Cumulative hours during this event	2

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Equipment Failure   Valve   Natural Gas Vented   Released: 477 Mcf   Recovered: 0 Mcf   Lost: 477 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	An unknown pressure event in the discharge line caused a situation where the pressure relief valve was actuated and released gas. The operator on duty was able to shut down the venting and remedy the pressure issue. A new valve was procured and installed. This event was not part of normal operations and the venting occurred as a safety function.
Steps taken to limit the duration and magnitude of vent or flare	Operator was onsite and shut down the site, as soon as the venting was identified.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	The Pressure Relief Valve was replaced, and the automatic shutdown - safety high was reset.



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ACKNOWLEDGMENTS

Action 247179

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	Action Number: 247179
	Action Type: [C-129] Venting and/or Flaring (C-129)

**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 247179

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Operator: IACX Roswell, LLC 6263 North Main Street Roswell, NM 88201	OGRID: 329556
	Action Number: 247179
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
justin wheeler	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.	8/2/2023