

**ARMSTRONG GAS LABS, INC.**

P.O. Box 988
 Monahans, Texas 79756
 (432) 943-8844 (FAX) 943-8855

GAS ANALYSIS REPORT

Analysis No.: 241265
 Customer: **LARIO OIL & GAS**

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	3.1454	0.000	0.030		Producer: Well / Sta. Name: SKYDWELLER 14 ST COM 607 PROD Sta. No.: 02336 Formation: Field: County:
Methane	59.7726	601.814	0.331		
CO2	0.6013	0.000	0.009		
Ethane	18.1223	319.706	0.188	4.845	
H2S	0.2600	0.000	0.003		Spot / Composite: Spot Date / Time On: Date / Time Off: 04/24/24 09:29 AM Date to Lab: 04/25/24 Date Analyzed: 04/25/24
Propane	11.5089	288.669	0.175	3.170	
Iso-Butane	1.2601	40.849	0.025	0.412	
Butane	3.0353	98.711	0.061	0.957	
Iso-Pentane	0.7009	27.955	0.017	0.256	Sample Press. (PSIG): 108 Line Press. (PSIG): 108 Sample Temp. (F): 108 Fl. Gas Temp. (F): 108 Amb. Temp. (F): 74 Del. To: Sampled By: RO Cylinder No.: AGL-183
Pentane	0.6405	25.595	0.016	0.232	
Hexanes C6+	0.9527	48.713	0.031	0.416	
H2O	0.0000	0.000	0.000		
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1452.012	0.887	10.288	

Field H2O (#/mm):

Field H2S (PPM): 2,600.0
 Field H2S (Grains): 163.62

Pressure Base: 14.65
Temp. Base: 60

Z Factor (Dry): 0.9946241
 Z Factor (Act.): 0.9946241

Dry BTU (Real): 1459.86**Sat. BTU (Real): 1434.94****H2O (# / mmcf):****As Del. BTU (Real):****Sp. Gravity (Real): 0.8918**

Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 10.288**GPM Propane+ (Real): 5.443****GPM IC5+ (Real): 0.904**

GPA 2145 / 2172

Fld. Remarks:**Lab Remarks:**

FLARING SUMMARY

Battery	Date	Total Flare Vol (mcf)	Hrs Flared	Start		End	
Sky Dweller CTB	11/27/24	77	12	11/27/24	12:00 AM	11/27/24	12:00PM

The increased gas volumes routed to the generators resulting in excess gas sent to the HP flare. 77 mcf sent to flare on 11/27/24. Field staff adjusting setpoints mitigate flare volumes.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

DEFINITIONS

Action 407993

DEFINITIONS

Operator: LARIO OIL & GAS CO 301 S. Market St. Wichita, KS 67202	OGRID: 13089
	Action Number: 407993
	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 407993

QUESTIONS

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QUESTIONS

Prerequisites <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	[30-025-51528] SKY DWELLER 14 STATE COM #607H
Incident Facility	Unavailable.

Determination of Reporting Requirements <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, minor 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

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

Representative Compositional Analysis of Vented or Flared Natural Gas <i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	60
Nitrogen (N2) percentage, if greater than one percent	3
Hydrogen Sulfide (H2S) PPM, rounded up	2,600
Carbon Dioxide (CO2) percentage, if greater than one percent	1
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, Page 2

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QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	11/27/2024
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	12:00 PM
Cumulative hours during this event	12

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Repair and Maintenance Generator Natural Gas Flared Released: 77 Mcf Recovered: 0 Mcf Lost: 77 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	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.	False
Please explain reason for why this event was beyond this operator's control	Downstream generator is being replaced and did not process the full amount of gas produced.
Steps taken to limit the duration and magnitude of vent or flare	Field staff adjusting setpoints mitigate flare volumes.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Evaluating alternative midstream options and on site gas use options.

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ACKNOWLEDGMENTS

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ACKNOWLEDGMENTS

☒	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 complete C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.
☒	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.
☒	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.
☒	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.
☒	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
ryanb	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.	12/3/2024