

**ARMSTRONG GAS LABS, INC.**

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

**GAS ANALYSIS REPORT**

Analysis No.: 211107  
 Customer: Centennial

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>
Nitrogen	1.9401	0.000	0.019	
Methane	78.5105	790.474	0.435	
CO2	3.3377	0.000	0.051	
Ethane	8.3342	147.029	0.087	2.224
H2S	0.0100	0.000	0.000	
Propane	4.2799	107.349	0.065	1.176
Iso-Butane	0.6426	20.831	0.013	0.210
Butane	1.4675	47.724	0.029	0.462
Iso-Pentane	0.4382	17.477	0.011	0.160
Pentane	0.3987	15.933	0.010	0.144
Hexanes C6+	0.6406	32.755	0.021	0.279
Hydrogen	N/A			
Helium	N/A			
Oxygen	N/A			
CO	N/A			
Totals	100.0000	1179.573	0.740	4.655

**Producer:** Centennial  
**Well / Sta. Name:** Winnebago 503H  
**Sta. No.:** 3561  
**Formation:**  
**Field:** New Mexico  
**County:**  
**API Number:** 3002546403

**Spot / Composite:** SP  
 Date / Time On:  
 Date / Time Off: 05/22/21  
 Date to Lab: 05/24/21  
 Date Analyzed: 05/26/21  
 Effective Date:

Sample Press. (PSIG): 90  
 Line Press. (PSIG): 90  
 Sample Temp. (F): 78  
 Fl. Gas Temp. (F): 78  
 Amb. Temp. (F): 68

Del. To:  
 Sampled By: JL  
 Cylinder No.: AGL-819

**Field H2O (#/mm):**

Field H2S (PPM): 100.0  
 Field H2S (Grains): 6.29

**Pressure Base: 14.65****Temp. Base: 60**

Z Factor (Dry): 0.9965547

Z Factor (Act.): 0.9965547

Dry BTU w/ H2S: 1183.71

Sat BTU w/ H2S: 1163.44

As Del. BTU w/ H2S: 1183.71

**Dry BTU W/O H2S (Real): 1183.65****Sat. BTU W/O H2S (Real): 1163.38****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1183.65***BTU Calc: Dry***Sp. Gravity (Real): 0.7422**

Field Gravity:

Lab Gravitometer:

**GPM Ethane+ (Real): 4.655****GPM Propane+ (Real): 2.431****GPM IC5+ (Real): 0.583**

GPA 2145 / 2172

**Fld. Remarks: FLOW RATE 1250****Lab Remarks:**

**\*Preliminary Production Data\***

Wellname	ProductionDate	Gas Flare
Winnebago 30 State Com #503H	8/5/2021	0
Winnebago 30 State Com #503H	8/6/2021	405
Winnebago 30 State Com #503H	8/7/2021	520
Winnebago 30 State Com #503H	8/8/2021	0
Winnebago 30 State Com #503H	8/9/2021	0
Winnebago 30 State Com #503H	8/10/2021	0
Winnebago 30 State Com #503H	8/11/2021	0
Winnebago 30 State Com #503H	8/12/2021	0

**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**

QUESTIONS

Action 45204

**QUESTIONS**

Operator: CENTENNIAL RESOURCE PRODUCTION, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 45204
	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	[30-025-46403] WINNEBAGO 30 STATE COM #503H
Incident Facility	Not answered.

<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 or is this venting and/or flaring caused by an emergency or malfunction	Yes
Did or will this venting and/or flaring last eight hours or more cumulatively within any 24-hour period from a single event	Yes
Is this considered a submission for a notification of a major venting and/or flaring	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 or will there be at least 50 MCF of natural gas vented and/or flared during this event	Yes
Did this venting and/or flaring 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 venting and/or flaring within an incorporated municipal boundary or withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

<b>Equipment Involved</b>	
Primary Equipment Involved	Other (Specify)
Additional details for Equipment Involved. Please specify	Lucid Power outage

<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	79
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	0
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.

<b>Date(s) and Time(s)</b>	
Date venting and/or flaring was discovered or commenced	08/07/2021
Time venting and/or flaring was discovered or commenced	12:00 AM
Time venting and/or flaring was terminated	06:00 PM
Cumulative hours during this event	13

<b>Measured or Estimated Volume of Vented or Flared Natural Gas</b>	
Natural Gas Vented (Mcf) Details	Not answered.

Natural Gas Flared (Mcf) Details	Cause: Power Failure   Gas Plant   Natural Gas Flared   Released: 520 Mcf   Recovered: 0 Mcf   Lost: 520 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 or is this venting and/or flaring a result of downstream activity	Yes
Date notified of downstream activity requiring this venting and/or flaring	08/05/2021
Time notified of downstream activity requiring this venting and/or flaring	07:00 AM

**Steps and Actions to Prevent Waste**

For this event, the operator could not have reasonably anticipated the current event and it was beyond the operator's control.	True
Please explain reason for why this event was beyond your operator's control	Lucid had a power outage.
Steps taken to limit the duration and magnitude of venting and/or flaring	Stayed in contact with Lucid.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	Lucid worked on fixing the power outage.

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CONDITIONS

Action 45204

## CONDITIONS

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	Action Number: 45204
	Action Type: [C-129] Venting and/or Flaring (C-129)

## CONDITIONS

Created By	Condition	Condition Date
kcastillo	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.	8/30/2021