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575.397.3713 2609 W Marland Hobbs NM 88240

## C6+ Gas Analysis Report

12252G	Gouda 604H	Gouda 604H	
Sample Point Code	Sample Point Name	Sample Point Location	
Laboratory Services	2021044352	0705	F Sanchez - Spot
Source Laboratory	Lab File No	Container Identity	Sampler
USA	USA	USA	Default
District	Area Name	Field Name	Facility Name
Aug 3, 2021	Aug 3, 2021	Aug 4, 2021 12:52	Aug 5, 2021
Date Sampled	Date Effective	Date Received	Date Reported
Ambient Temp (°F)	Flow Rate (Mcf)	Torrance	195 @ 141
		Analyst	Press PSI @ Temp °F Source Conditions
Innospec	Centennial		
Operator	Lab Source Description		

Component	Normalized Mol %	Un-Normalized Mol %	GPM
H2S (H2S)	0.0000	0	
Nitrogen (N2)	1.3800	1.37959	
CO2 (CO2)	0.1100	0.11041	
Methane (C1)	70.2380	70.23656	
Ethane (C2)	14.3500	14.35038	3.8370
Propane (C3)	7.5850	7.58515	2.0890
I-Butane (IC4)	0.9360	0.93566	0.3060
N-Butane (NC4)	2.4860	2.48645	0.7840
I-Pentane (IC5)	0.5890	0.58917	0.2150
N-Pentane (NC5)	0.7440	0.74414	0.2700
Hexanes Plus (C6+)	1.5820	1.58249	0.6860
TOTAL	100.0000	100.0000	8.1870

Method(s): Gas C6+ - GPA 2261, Extended Gas - GPA 2286, Calculations - GPA 2172

## Analyzer Information

Device Type: Device Make:  
Device Model: Last Cal Date:

Gross Heating Values (Real, BTU/ft<sup>3</sup>)

14.696 PSI @ 60.00 Å°F		14.73 PSI @ 60.00 Å°F	
Dry	Saturated	Dry	Saturated
1,405.2	1,382.2	1,408.5	1,385.4

## Calculated Total Sample Properties

GPA2145-16 \*Calculated at Contract Conditions

Relative Density Real	Relative Density Ideal
0.8249	0.8213
Molecular Weight	
23.7874	

## C6+ Group Properties

Assumed Composition

C6 - 60.000% C7 - 30.000% C8 - 10.000%

Field H2S

0 PPM

## PROTREND STATUS:

Passed By Validator on Aug 6, 2021

## DATA SOURCE:

Imported

## PASSED BY VALIDATOR REASON:

Close enough to be considered reasonable.

## VALIDATOR:

Dustin Armstrong

## VALIDATOR COMMENTS:

OK

**\*Preliminary Production Data\***

Wellname	ProductionDate	Gas Flare
Gouda Fed Com #604H	8/4/2021	2126
Gouda Fed Com #604H	8/5/2021	2842
Gouda Fed Com #604H	8/6/2021	2282
Gouda Fed Com #604H	8/7/2021	1432
Gouda Fed Com #604H	8/8/2021	1511
Gouda Fed Com #604H	8/9/2021	0
Gouda Fed Com #604H	8/10/2021	0
Gouda Fed Com #604H	8/11/2021	0

**District I**

1625 N. French Dr., Hobbs, NM 88240  
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**District II**

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Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**

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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 41138

**QUESTIONS**

Operator: CENTENNIAL RESOURCE PRODUCTION, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165 Action Number: 41138 Action Type: [C-129] Venting and/or Flaring (C-129)
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**QUESTIONS****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 or is this venting or flaring caused by an emergency or malfunction	Yes
Did or will this venting 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 or flaring	Yes, major venting or flaring of natural gas.
<b>The operator shall file a form C-141 instead of a form C-129 for a release that includes liquid during venting or flaring that is or may be a major or minor release under 19.12.297 NMAC.</b>	
Was there or will there be at least 50 MCF of natural gas vented or flared during this event	Yes
Did this venting 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

**Unregistered Facility Site**

Please provide the facility details, if the venting or flaring occurred or is occurring at a facility that does not have an Facility ID (##) yet.

Facility or Site Name	Not answered.
Facility Type	Not answered.

**Equipment Involved**

Primary Equipment Involved	Gas Compressor Station
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	70
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	0
Oxygen (O2) percentage, if greater than one percent	0
<b>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</b>	
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.

**Date(s) and Time(s)**

Date venting or flaring was discovered or commenced	08/08/2021
Time venting or flaring was discovered or commenced	12:00 AM
Is the venting or flaring event complete	No
Date venting or flaring was terminated	Not answered.
Time venting or flaring was terminated	Not answered.
Total duration of venting or flaring in hours, if venting or flaring has terminated	Not answered.
Longest duration of cumulative hours within any 24-hour period during this event	24

**Measured or Estimated Volume of Vented or Flared Natural Gas**

Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Midstream Emergency Maintenance   Gas Compressor Station   Natural Gas Flared   Spilled: 1,511 Mcf   Recovered: 0 Mcf   Lost: 1,511 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 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 or flaring a result of downstream activity	Yes
Date notified of downstream activity requiring this venting or flaring	08/02/2021
Time notified of downstream activity requiring this venting 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	Issue is downstream from our CDP meter.
Steps taken to limit the duration and magnitude of venting or flaring	We contacted Lucid.
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	Lucid will set more compression to handle our volumes and eliminate flaring. This well is still in initial production.

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CONDITIONS

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Operator: CENTENNIAL RESOURCE PRODUCTION, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 41138
	Action Type: [C-129] Venting and/or Flaring (C-129)

**CONDITIONS**

Created By	Condition	Condition Date
system	If the information provided in this report requires an amendment, submit a [C-129] Request to Amend Venting and/or Flaring Incident, utilizing your incident number from this event.	8/10/2021