



# Certificate of Analysis

Number: 6030-22040206-003A

Artesia Laboratory  
200 E Main St.  
Artesia, NM 88210  
Phone 575-746-3481

Redwood  
Redwood Operating  
4910 N. Midkiff Rd.  
Midland, TX 79705

Apr. 14, 2022

Station Name: Condor CTB  
Station Number: 742854-00  
Station Location: Redwood  
Sample Point: Meter Run  
Instrument: 70142339 (Inficon GC-MicroFusion)  
Last Inst. Cal.: 04/11/2022 0:00 AM  
Analyzed: 04/14/2022 07:46:30 by ERG

Sampled By: John Whitt  
Sample Of: Gas Spot  
Sample Date: 04/12/2022 07:10  
Sample Conditions: 53.2 psig, @ 66.9 °F Ambient: 66 °F  
Effective Date: 04/12/2022 07:10  
Method: GPA-2261M  
Cylinder No: 4030-004618

## Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.696 psia
Hydrogen Sulfide	NIL	2.00000	2.821	
Nitrogen	1.388	1.38120	1.601	
Carbon Dioxide	2.124	2.11384	3.850	
Methane	67.684	67.34712	44.710	
Ethane	14.589	14.51609	18.063	3.891
Propane	7.080	7.04521	12.856	1.945
Iso-Butane	0.978	0.97354	2.342	0.319
n-Butane	2.321	2.30986	5.556	0.730
Iso-Pentane	0.581	0.57811	1.726	0.212
n-Pentane	0.597	0.59433	1.774	0.216
Hexanes	0.410	0.40806	1.455	0.168
Heptanes	0.433	0.43115	1.788	0.199
Octanes	0.246	0.24438	1.155	0.125
Nonanes Plus	0.057	0.05711	0.303	0.032
	98.488	100.00000	100.000	7.837

<b>Calculated Physical Properties</b>	<b>Total</b>	<b>C9+</b>
Calculated Molecular Weight	24.16	128.26
Compressibility Factor	0.9953	
Relative Density Real Gas	0.8380	4.4283
<b>GPA 2172 Calculation:</b>		
<b>Calculated Gross BTU per ft<sup>3</sup> @ 14.696 psia &amp; 60°F</b>		
Real Gas Dry BTU	1349.9	6996.3
Water Sat. Gas Base BTU	1326.6	6874.3
Ideal, Gross HV - Dry at 14.696 psia	1343.5	6996.3
Ideal, Gross HV - Wet	1319.8	6874.3

Comments: H2S Field Content 2 %

Hydrocarbon Laboratory Manager

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

## Daily Gas Entry Detail Listing



Date	MCF	Calc MCF/Day	Energy	BTU Factor	Flow Press	Flow Temp	Base Press	Remarks
GasMtr	GM00000003	Condor 8H Flare Mtr						
04/14/2022	114.00	114.00	114.00	1	67	60.00	15.03	
Report Totals:	114.00	114.00						

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

DEFINITIONS

Action 128237

**DEFINITIONS**

Operator: Redwood Operating LLC PO Box 1370 Artesia, NM 88210	OGRID: 330211
	Action Number: 128237
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

**DEFINITIONS**

<p>For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application:</p> <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 128237

**QUESTIONS**

Operator: Redwood Operating LLC PO Box 1370 Artesia, NM 88210	OGRID: 330211
	Action Number: 128237
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

**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 Operator	[330211] Redwood Operating LLC
Incident Type	Vent
Incident Status	Closure Approved
Incident Well	Not answered.
Incident Facility	[fAPP2205439185] Condor 8H CTB
<i>Only valid Vent, Flare or Vent with Flaring incidents (selected above in the Application Details section) that are assigned to your current operator can be amended with this C-129A application.</i>	

**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 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.
<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 <b>at least 50 MCF</b> 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 withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

**Equipment Involved**

Primary Equipment Involved	Pipeline (Any)
Additional details for Equipment Involved. Please specify	DCP Gas Line Leak

**Representative Compositional Analysis of Vented or Flared Natural Gas**

*Please provide the mole percent for the percentage questions in this group.*

Methane (CH4) percentage	67
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	2
Carbon Dioxide (CO2) percentage, if greater than one percent	2
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	0
Nitrogen (N2) percentage quality requirement	0
Hydrogen Sulfide (H2S) PPM quality requirement	0
Carbon Dioxide (CO2) percentage quality requirement	0
Oxygen (O2) percentage quality requirement	0

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QUESTIONS, Page 2

Action 128237

QUESTIONS (continued)

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	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	04/14/2022
Time vent or flare was discovered or commenced	02:00 PM
Time vent or flare was terminated	06:00 PM
Cumulative hours during this event	4

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   Pipeline (Any)   Natural Gas Flared   Released: 114 Mcf   Recovered: 0 Mcf   Lost: 114 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	[229153] DCP MIDSTREAM L.P.
Date notified of downstream activity requiring this vent or flare	04/14/2022
Time notified of downstream activity requiring this vent or flare	02:00 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	DCP pipeline leak
Steps taken to limit the duration and magnitude of vent or flare	Shut wells in
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	N/A

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ACKNOWLEDGMENTS

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**ACKNOWLEDGMENTS**

<input checked="" type="checkbox"/>	I acknowledge that with this application I will be amending an existing incident file (assigned to this operator) for a vent or flare event, pursuant to 19.15.27 and 19.15.28 NMAC.
<input checked="" type="checkbox"/>	I acknowledge that amending an incident file does not replace original submitted application(s) or information and understand that any C-129 forms submitted to the OCD will be logged and stored as public record.
<input checked="" type="checkbox"/>	I hereby certify the statements in this amending 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 128237

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	Action Number: 128237
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

CONDITIONS

Created By	Condition	Condition Date
dweaver	If the information provided in this report requires further amendment(s), submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	7/25/2022