

Certificate of Analysis Number: 6030-21080313-001A

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

Redwood Redwood 4910 N. Midkiff Rd. Midland, TX 79705 Sep. 01, 2021

Station Name: Hawk 9H CTB Test 1

Station Number: 5420035 Station Location: Redwood

Sample Point: Meter run

Instrument:

6030_GC6 (Inficon GC-3000 Micro)

Analyzed:

Last Inst. Cal.: 08/02/2021 0:00 AM

09/01/2021 05:09:18 by KNF

Sampled By:

Michael Mirabal

Sample Of:

Spot Gas

Sample Date: 08/28/2021 02:57 Sample Conditions: 54 psia, @ 109 °F Ambient: 86 °F

Effective Date:

08/28/2021 02:57

Method: Cylinder No: GPA-2261M 5030-04739

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.696 psia		
Nitrogen	1.822	1.83370	2.004		GPM TOTAL C2+	9.080
Methane	64.116	64,53536	40.398		GPM TOTAL C3+	5.136
Carbon Dioxide	2.630	2.64678	4.545		GPM TOTAL iC5+	1.434
Ethane	14.609	14.70416	17.252	3.944		
Propane	8.260	8.31428	14.305	2.297		
Iso-butane	1.256	1.26411	2.867	0.415		
n-Butane	3.111	3.13083	7.100	0.990		
Iso-pentane	0.859	0.86431	2.433	0.317		
n-Pentane	0.902	0.90749	2.555	0.330		
Hexanes Plus	1.787	1.79898	6.541	0.787		
	99.352	100.00000	100,000	9.080		
Calculated Physica	Il Properties	Total		C6+		
Relative Density Rea	al Gas	0.8893		3.2176		
Calculated Molecula	r Weight	25.63		93.19		
Compressibility Fact	tor	0.9946				
GPA 2172 Calculat	lon:					
Calculated Gross E	3TU per ft³ @ 14.696 g	osia & 60°F				
Real Gas Dry BTU		1435		5129		
Water Sat. Gas Base	e BTU	1411		5040		
Ideal, Gross HV - Dr	y at 14.696 psia	1427.7		5129.2		
Ideal, Gross HV - We		1402.8		5039.7		
Comments: H2S F	ield Content 2.0 %					

Data reviewed by: Krystle Fitzwater, Laboratory Manager

Quality Assurance:

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

Mcf/day 305

Daily Gas Entry Detail Listing

D-4-	мог	Calc	F	BTU	Flow	FI T	Base	
Date	MCF	MCF/Day	Energy	Factor	Press	Flow Temp	Press Remarks	
GasMtr	GM0000004 H	Hawk 9H Flare Mtr						
04/14/2022	252.00	252.00	252.00	1	67	60.00	15.03	
Report Totals:	252.00	252.00						

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1625 N. French Dr., Hobbs, NM 88240
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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

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 128247

DEFINITIONS

Operator:	OGRID:
Redwood Operating LLC	330211
PO Box 1370	Action Number:
Artesia, NM 88210	128247
	Action Type:
	[C-129] Amend Venting and/or Flaring (C-129A)

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

QUESTIONS

Action 128247

Phone:(505) 476-3470 Fax:(505) 476-3462	NIFOTIONIO	
	UESTIONS	
Operator: Redwood Operating LLC	OGRID: 330211	
PO Box 1370	Action Number:	
Artesia, NM 88210	128247	
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)	
QUESTIONS	•	
Prerequisites		
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 Operator	[330211] Redwood Operating LLC	
Incident Type	Flare	
Incident Status	Closure Approved	
Incident Well	Not answered.	
Incident Facility	[fAPP2205436169] Hawk 9H CTB	
Only valid Vent, Flare or Vent with Flaring incidents (selected above in the Application Details section)	on) that are assigned to your current operator can be amended with this C-129A application.	
Determination of Reporting Requirements		
Answer all questions that apply. The Reason(s) statements are calculated based on your answers a	and may provide addional guidance	
Was this vent or flare caused by an emergency or malfunction	Yes	
, , ,	165	
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 v	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 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 withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No	
Equipment Involved		
Primary Equipment Involved	Not answered.	
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	65	
Nitrogen (N2) percentage, if greater than one percent	1	
Hydrogen Sulfide (H2S) PPM, rounded up	0	
Carbon Dioxide (C02) percentage, if greater than one percent	2	
Oxygen (02) percentage, if greater than one percent	0	
exygen (ez) percentage, il greater than one percent	T ,	
If you are venting and/or flaring because of Pipeline Specification, please provide the required specific	cifications for each gas.	
Methane (CH4) percentage quality requirement	0	
Nitrogen (N2) percentage quality requirement	0	
Underson Cofide (USC) DDM modific negotianeses		

0

0

Oxygen (02) percentage quality requirement

Carbon Dioxide (C02) percentage quality requirement

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District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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QUESTIONS, Page 2

Action 128247

QUESTIONS ((continued)
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Redwood Operating LLC	330211
PO Box 1370	Action Number:
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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	

Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Equipment Failure Pipeline (Any) Natural Gas Flared Released: 252 Mcf Recovered: 0 Mcf Lost: 252 Mcf]
Other Released Details	Not answered.
Additional details for Measured or Estimated Volume(s). Please specify	Not answered.
s 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 Pipe Line 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

Action 128247

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ACKNOWLEDGMENTS

$\overline{\lor}$	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.
~	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.
~	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.
✓	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 E	y Condition	Condition Date
dweave	r 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