

Certificate of Analysis

Number: 6030-22020354-001A

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

Redwood Redwood Operating

4910 N. Midkiff Rd. Midland, TX 79705

Station Name: Higgins Cahoon Battery

Station Number: 5420024 Station Location: Redwood Sample Point: Meter Run

Instrument:

70142339 (Inficon GC-MicroFusion)

Last Inst. Cal.: 02/21/2022 0:00 AM Analyzed:

02/25/2022 10:58:55 by ERG

Sampled By: Sample Of:

Sample Date:

Alonso Estrada

Gas Spot 02/18/2022 01:02

Effective Date: Method:

Cylinder No:

Sample Conditions: 54 psig Ambient: 57 °F 02/18/2022 01:02

Feb. 25, 2022

GPA-2261M 1111-001216

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.696 psia		
Hydrogen Sulfide	0.000	15.00000	21.459		GPM TOTAL C2+	5.015
Nitrogen	1.772	1.51559	1.782		GPM TOTAL C3+	2.347
Methane	75.638	64.67860	43.556		GPM TOTAL iC5+	0.780
Carbon Dioxide	1.798	1.53765	2.841			
Ethane	11.643	9.95590	12.566	2.668		
Propane	4.756	4.06714	7.528	1.123		
Iso-butane	0.510	0.43602	1.064	0.143		
n-Butane	1.115	0.95378	2.327	0.301		
Iso-pentane	0.246	0.21027	0.637	0.077		
n-Pentane	0.258	0.22053	0.668	0.080		
Hexanes Plus	1.666	1.42452	5.572	0.623		
	99.402	100.00000	100.000	5.015		
Calculated Physical P	roperties	Total		C6+		
Relative Density Real G	€as	0.8259		3.2176		
Calculated Molecular W	/eight	23.82		93.19		
Compressibility Factor	_	0.9956				
GPA 2172 Calculation	:					
Calculated Gross BTU	J per ft³ @ 14.696 p	osia & 60°F				
Real Gas Dry BTU		1168		5129		
Water Sat. Gas Base B	TU	1147		5040		
Ideal, Gross HV - Dry a	t 14.696 psia	1163.0		5129.2		
Ideal, Gross HV - Wet	•	1141.0		5039.7		
Comments: H2S Field	d Content 15 %					

Hydrocarbon Laboratory Manager

Quality Assurance:

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

Mcf/day 53

Higgins Cahoon 12D CTB

Facility ID: fAPP2205641333

Location 32.76640 -104.34800 A-11-18S26E 1229 FNL 1295 FEL

							Calculated	Energy	Flow	Gas	Base									
Reference ID	Prod Date	Entry Date	Disposition	Product	UOM	Volume	Vol*14.65/15.025	Factor	Temp	Gravit	ty Temp	р	Base Press Flo	w Press Ru	un Hours Met	er Begin	Meter End	Begin Date	End Date	Last Updated
nAPP2205932301	2/27/202	2/28/20	022 FLARE	GAS	MCF	58	57	7	1	60	0.6	60	14.73	28	24	99,963	100,021	2/27/2022 0:00	2/27/2022	0:00 BENJAMINTIPTON
nAPP2206053805	2/28/202	22 3/1/20	D22 FLARE	GAS	MCF	66	64	1	1	60	0.6	60	14.73	23	24	100,021	100,087	2/28/2022 0:00	2/28/2022	0:00 JEREMYMONTOYA
nAPP2206052152	3/1/202	22 3/2/20	022 FLARE	GAS	MCF	62	60)	1	60	0.6	60	14.73	62	24	100,087	100,149	3/1/2022 0:00	3/1/2022	0:00 JEREMYMONTOYA

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720 District II

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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 87924

DEFINITIONS

Operator:	OGRID:
Redwood Operating LLC	330211
PO Box 1370	Action Number:
Artesia, NM 88210	87924
	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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QUESTIONS

Action 87924

Q	UESTIONS				
Operator:		OGRID:			
Redwood Operating LLC PO Box 1370		330211 Action Number:			
Artesia, NM 88210		87924			
		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 contir	nuing with the rest of the questions.			
Incident Operator	[330211] Redwood	Operating LLC			
Incident Type	Flare				
Incident Status	Closure Not Approv	ved			
Incident Well	Not answered.				
Incident Facility	[fAPP2205641333]	Higgins Cahoon 12D CTB			
Only valid Vent, Flare or Vent with Flaring incidents (selected above in the Application Details section	on) that are assigned to ye	our current operator can be amended with this C-129A application.			
Determination of Penarting Peguirements					
Determination of Reporting Requirements	nd may prayida addianal a	widono			
Answer all questions that apply. The Reason(s) statements are calculated based on your answers at Was this vent or flare caused by an emergency or malfunction	No	uidance.			
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.			
An operator shall file a form C-141 instead of a form C-129 for a release that, includes liquid during v		s 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.	T				
Methane (CH4) percentage	65				
Nitrogen (N2) percentage, if greater than one percent	2				
Hydrogen Sulfide (H2S) PPM, rounded up	15				
Carbon Dioxide (C02) percentage, if greater than one percent	2				
Oxygen (02) percentage, if greater than one percent	0				

Not answered.

Not answered.

Not answered.

Not answered.

Not answered.

Methane (CH4) percentage quality requirement

Hydrogen Sufide (H2S) PPM quality requirement

Carbon Dioxide (C02) percentage quality requirement

Nitrogen (N2) percentage quality requirement

Oxygen (02) percentage quality requirement

If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.

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QUESTIONS, Page 2

Action 87924

QUESTIONS (CONTINUED)	QUESTIONS ((continued)	١
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Operator:	OGRID:
Redwood Operating LLC	330211
	Action Number:
Artesia, NM 88210	87924
	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	02/28/2022					
Time vent or flare was discovered or commenced	12:00 AM					
Time vent or flare was terminated	11:59 PM					
Cumulative hours 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 Scheduled Maintenance Pipeline (Any) Natural Gas Flared Released: 64 Mcf Recovered: 0 Mcf Lost: 64 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	Not answered.
Steps taken to limit the duration and magnitude of vent or flare	During flaring Redwood only flares newer/higher oil production wells and shut in all smaller/older production
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Flaring was caused from DCP scheduled Kristina Booster Maintenance, unfortunately the only thing we can do is communication with midstream operator

ACKNOWLEDGMENTS

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ACKNOWLEDGMENTS

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

ACKNOWLEDGMENTS

V	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.
V	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.
ব	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.
<u> </u>	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.
V	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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	Action Type:
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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.	3/9/2022