

Certificate of Analysis

Number: 6030-21120207-003A

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

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

Station Name: Kaiser #2

Station Number: 700323-00

Station Location: Redwood

Sample Point: Meter run

Sampled By:

Michael Mirabal Gas Spot

Dec. 20, 2021

Sample Of: 0 Sample Date:

12/18/2021 08:21

Sample Conditions: 60 psig, @ 45 °F Ambient: 37 °F

70142339 (Inficon GC-MicroFusion) Effective Date:

12/18/2021 08:21

Last Inst. Cal.: 12/13/2021 0:00 AM

Method: Cylinder No: GPA-2261M 5030-02166

Instrument: Last Inst. Cal. Analyzed:

12/20/2021 10:48:16 by ERG

Analytical Data

7 mary trout Data					
Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.696 psia	_
Hydrogen Sulfide	 NIL	2.00000	2.822	-	_
Nitrogen	1,263	1.25065	1.450		
Carbon Dioxide	2.770	2,74355	4.998		
Methane	67.766	67.11383	44.568		
Ethane	15.042	14.89718	18.543	3.993	
Propane	6.785	6.71952	12,266	1.855	
Iso-Butane	0.868	0.85915	2.067	0.282	
n-Butane	2.035	2.01572	4.850	0.637	
Iso-Pentane	0.570	0.56412	1.685	0.207	
n-Pentane	0.618	0.61186	1.827	0.222	
Hexanes	0.517	0.51203	1.827	0.211	
Heptanes	0.507	0.50183	2.082	0.232	
Octanes	0.179	0.17748	0.839	0.091	
Nonanes Plus	0.033	0.03308	0.176	0.019	
	98.953	100.00000	100.000	7.749	
Calculated Physical	l Properties	Tota		C9+	
Calculated Molecular	· Weight	24.16	3	128.26	
Compressibility Factor		0.9953	3		
Relative Density Rea		0.8377	,	4.4283	
GPA 2172 Calculation	on:				
Calculated Gross B	TU per ft³ @ 14.696 բ	sia & 60°F			
Real Gas Dry BTU		1335.7	,	6996.3	
Water Sat. Gas Base		1312.8	3	6874.3	
Ideal, Gross HV - Dry	/ at 14.696 psia	1329.5	5	6996.3	
Ideal, Gross HV - We	t	1306.0)	6874.3	
Commenter U29 Fi	old Contont 2 0/				

Comments: H2S Field Content 2 %

Mcf/day 79

Coly Materia

Hydrocarbon Laboratory Manager

Quality Assurance:

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

Kaiser CTB

Facility ID: fAPP2205450362

Location 32.7525406 -104.3111496 A-18-18S-27E 890 FNL 625 FEL

							Calculated	Energy	FIOW	Gas	Base		Flow							
Reference ID	Prod Date	Entry Date	Disposition	Product	UOM	Volume	Vol*14.73/15.025	Factor	Temp	Gravi	ty Temp	В	ase Press Press	R	Run Hours Meter Begi	n Meter End	l Be	egin Date	End Date	Last Updated
nAPP2205928478	2/27/202	22 2/28/20	022 FLARE	GAS	MCF	43	42		1	60	0.6	60	14.73	63	24	150	193	2/27/2022 0:00	2/27/2022	0:00 DAKOTABOLEN
nAPP2206051448	2/28/202	22 3/1/20	022 FLARE	GAS	MCF	52	51		1	60	0.6	60	14.73	63	24	193	245	2/28/2022 0:00	2/28/2022	0:00 DAKOTABOLEN
nAPP2206053171	3/1/202	22 3/2/20	022 FLARE	GAS	MCF	14	14		1	60	0.6	60	14.73	63	24	245	0	3/1/2022 0:00	3/1/2022	0:00 JAYSONSHANNON

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

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 87979

DEFINITIONS

Operator:	OGRID:
Redwood Operating LLC	330211
PO Box 1370	Action Number:
Artesia, NM 88210	87979
	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

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QUESTIONS

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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 Not Approved			
Incident Well	Not answered.			
Incident Facility	[fAPP2205450362] Kaiser CTB			
Only valid Vent, Flare or Vent with Flaring incidents (selected above in the Application Details section	n) 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 an	nd may provide addional guidance.
Was this vent or flare caused by an emergency or malfunction	No
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, answer to "eight hours or more" suggests this is at least a minor event.
An operator shall file a form C-141 instead of a form C-129 for a release that, includes liquid during vertical Was there at least 50 MCF of natural gas vented and/or flared during this event	enting and/or flaring that is or may be a major or minor release under 19.15.29.7 NMAC.
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
environment of fresh water	

quipment 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	67
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	2
Carbon Dioxide (C02) percentage, if greater than one percent	3
Oxygen (02) percentage, if greater than one percent	0
If you are venting and/or flaring because of Pipeline Specification, please provide the re	quired specifications for each gas.
Methane (CH4) percentage quality requirement	Not answered.
Nitrogen (N2) percentage quality requirement	Not answered.
Hydrogen Sufide (H2S) PPM quality requirement	Not answered.
Carbon Dioxide (C02) percentage quality requirement	Not answered.
Oxygen (02) percentage quality requirement	Not answered.

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QUESTIONS, Page 2

Action 87979

QUESTIONS ((continued)

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QUESTIONS

Date(s) and Time(s)				
Date vent or flare was discovered or commenced	03/01/2022			
Time vent or flare was discovered or commenced	12:00 AM			
Time vent or flare was terminated	02:00 PM			
Cumulative hours during this event	13			

Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Venteu (IVICI) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Midstream Scheduled Maintenance Pipeline (Any) Natural Gas Flared Released 14 Mcf Recovered: 0 Mcf Lost: 14 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		

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ACKNOWLEDGMENTS

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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.
V	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.
V.	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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CONDITIONS

Created By		Condition Date
dweaver	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.	