

Certificate of Analysis

Number: 6030-21050241-003A

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

Redwood Redwood

4910 N. Midkiff Rd. Midland, TX 79705

Station Name: West Red Lake Unit

Station Number: 75691-00 Station Location: Redwood

Sample Point: Meter run

Instrument: 70104251 (Inficon GC-MicroFusion)

Last Inst. Cal.: 05/18/2021 0:00 AM

Analyzed: 05/26/2021 07:16:48 by KNF

Sampled By: Javier Lazo
Sample Of: Gas Spot

Sample Oi. Gas Spot Sample Date: 05/24/2021 07:30

Sample Conditions: 37 psia, @ 88 °F Ambient: 70 °F

May 26, 2021

Effective Date: 05/24/2021 07:30 Method: GPA-2261M Cylinder No: 5030-01026

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.696 psia	
Nitrogen	1.548	1.58608	1.810		
Carbon Dioxide	2.360	2.41868	4.336		
Methane	65.679	67.30380	43.985		
Ethane	14.922	15.29130	18.731	4.099	
Propane	7.195	7.37297	13.245	2.036	
Iso-Butane	0.934	0.95710	2.266	0.314	
n-Butane	2.110	2.16188	5.119	0.683	
Iso-Pentane	0.545	0.55797	1.640	0.205	
n-Pentane	0.571	0.58543	1.721	0.213	
Hexanes	0.455	0.46574	1.635	0.192	
Heptanes	1.027	1.05230	4.296	0.487	
Octanes	0.125	0.12819	0.597	0.066	
Nonanes Plus	0.116	0.11856	0.619	0.067	
	97.587	100.00000	100.000	8.362	
Calculated Physical	Properties	Total		C9+	
Calculated Molecular	· Weight	24.55		128.26	
Compressibility Factor	or	0.9951			
Relative Density Rea	l Gas	0.8514		4.4283	
GPA 2172 Calculation	on:				
Calculated Gross B	ا 14.696 @ TU per ft³	osia & 60°F			
Real Gas Dry BTU		1386.5		6996.3	
Water Sat. Gas Base	BTU	1363.0		6874.3	
Ideal, Gross HV - Dry	/ at 14.696 psia	1379.7		6996.3	
Ideal, Gross HV - We	et	1355.6		6874.3	
Comments: H2S Fi	eld Content 1.2 %				

Esix Raming

Report generated by: Eric Ramirez

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

Mcf/day 516

WEST RED LAKE CDP FLARE GAS METER

Location	32.768704 -104	4.314858																	
Meter Type	Prod Date I	Entry Date	Disposition	Product	UOM	Volume	Vol Rate Energy Factor	or Energy	Flow Temp	Gas Gravity	Base Temp	Base Press	Flow Press	Run Hours	Meter Begin	Meter End	Begin Date	End Date	Last Updated
FLARE	7/21/2021	7/22/202	1 FLARE	GAS	MCF	506	506	1 2	183	60	0.6	60 14.	73 1	7 24	129,348	129,854	4 7/21/2021 0:00	7/21/2021 0:00	D DAKOTABOLEN
FLARE	7/20/2021	7/21/202	1 FLARE	GAS	MCF	164	164	1 1	919	50	0.6	60 14.	73 1	7 24	129,184	129,348	8 7/20/2021 0:00	7/20/2021 0:00	D DAKOTABOLEN

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<u>District I</u> 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**

QUESTIONS

Action 37891

QUESTIONS

Operator:	OGRID:
Redwood Operating LLC	330211
PO Box 1370	Action Number:
Artesia, NM 882111370	37891
	Action Type:
	[C-129] Venting and/or Flaring (C-129)

QUESTIONS

Determination of Reporting Requirements					
Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide addional guidance.					
Was or is this venting or flaring caused by an emergency or malfunction	No				
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.				
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					
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 occuring at a facility	that does not have an Facility ID (f#) yet.
Facility or Site Name	Not answered.
Facility Type	Not answered.

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	67				
Nitrogen (N2) percentage, if greater than one percent	2				
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				
If you are venting and/or flaring because of Pipeline Specification, please provide the required specification.	cations 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.				

Date(s) and Time(s)	
Date venting or flaring was discovered or commenced	07/20/2021
Time venting or flaring was discovered or commenced	05:00 PM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	07/22/2021
Time venting or flaring was terminated	11:00 AM
Total duration of venting or flaring in hours, if venting or flaring has terminated	42
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	Not answered.			
Other Released Details	Cause: Midstream Scheduled Maintenance Pipeline (Any) Natural Gas Flared Spilled: 670 Mcf Recovered: 0 Mcf Lost: 670 Mcf]			
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	Not answered.
Date notified of downstream activity requiring this venting or flaring	Not answered.
Time notified of downstream activity requiring this venting or flaring	Not answered.

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.	False
Please explain reason for why this event was beyond your operator's control	Not answered.
Steps taken to limit the duration and magnitude of venting or flaring	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 venting or flaring	Flaring was caused from DCP needing Redwood to curtail production to repair and maintenance, unfortunately the only thing we can do is continue communication with the Midstream Operator.

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CONDITIONS

Action 37891

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PO Box 1370	Action Number:
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	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.	7/26/2021