



**Certificate of Analysis**  
 Number: 6030-21070119-001A

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

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

July 15, 2021

Station Name: Condor 8 3H	Sampled By: Chad Whitt
Station Number: N/A	Sample Of: Gas Spot
Station Location: Redwood	Sample Date: 07/14/2021
Sample Point: Well head	Sample Conditions: 208.8 psig Ambient: 97 °F
Instrument: 6030_GC6 (Inficon GC-3000 Micro)	Effective Date: 07/14/2021
Last Inst. Cal.: 07/12/2021 0:00 AM	Method: GPA-2261M
Analyzed: 07/15/2021 10:36:32 by KNF	Cylinder No: 1111-002479

**Analytical Data**

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.696 psia		
Nitrogen	2.195	2.22208	2.886		GPM TOTAL C2+	6.012
Methane	74.293	75.21668	55.945		GPM TOTAL C3+	2.561
Carbon Dioxide	1.225	1.24063	2.531		GPM TOTAL IC5+	0.483
Ethane	12.731	12.88942	17.969	3.451		
Propane	5.220	5.28518	10.805	1.458		
Iso-butane	0.608	0.61596	1.660	0.202		
n-Butane	1.310	1.32577	3.573	0.418		
Iso-pentane	0.290	0.29340	0.981	0.107		
n-Pentane	0.289	0.29300	0.980	0.106		
Hexanes Plus	0.610	0.61788	2.670	0.270		
	98.771	100.00000	100.000	6.012		

<b>Calculated Physical Properties</b>	<b>Total</b>	<b>C6+</b>
Relative Density Real Gas	0.7472	3.2176
Calculated Molecular Weight	21.57	93.19
Compressibility Factor	0.9964	
<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	1244	5129
Water Sat. Gas Base BTU	1223	5040
Ideal, Gross HV - Dry at 14.696 psia	1239.2	5129.2
Ideal, Gross HV - Wet	1217.6	5039.7

**Comments:** H2S Field Content 0.4 %

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.

CONDOR 8H FLARE METER

Location 32.76798 -104.29265

Meter Type	Prod Date	Entry Date	Disposition	Product	UOM	Volume	Vol Rate	Energy Factor	Energy	Flow Temp	Gas Gravity	Base Temp	Base Press	Flow Press	Run Hours	Meter Begin	Meter End	Begin Date	End Date	Last Updated
FLARE	12/4/2021	12/5/2021	FLARE	GAS	MCF	588.00	588.00	1	588.00	60	0.6	60	14.73	22	24	8,571	9,159	12/4/2021 0:00	12/4/2021 0:00	COLEJOHNSON
FLARE	12/3/2021	12/4/2021	FLARE	GAS	MCF	137.00	137.00	1	137.00	60	0.6	60	14.73	22	24	8,434	8,571	12/3/2021 0:00	12/3/2021 0:00	COLEJOHNSON

725.00

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
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**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

**District IV**  
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 65359

**QUESTIONS**

Operator: Redwood Operating LLC PO Box 1370 Artesia, NM 88211370	OGRID: 330211
	Action Number: 65359
	Action Type: [C-129] Venting and/or Flaring (C-129)

**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 Well	[30-015-46915] CONDOR 8 FEDERAL COM #003H
Incident Facility	Not answered.

<b>Determination of Reporting Requirements</b>	
<i>Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.</i>	
Was or is this venting and/or flaring caused by an emergency or malfunction	Yes
Did or will this venting and/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 venting and/or flaring event	Yes, major 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 or will there be at least 50 MCF of natural gas vented and/or flared during this event	Yes
Did this venting and/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
Was the venting and/or flaring within an incorporated municipal boundary or withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

<b>Equipment Involved</b>	
Primary Equipment Involved	Not answered.
Additional details for Equipment Involved. Please specify	Not answered.

<b>Representative Compositional Analysis of Vented or Flared Natural Gas</b>	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	75
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	1
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	Not answered.
Nitrogen (N2) percentage quality requirement	Not answered.
Hydrogen Sulfide (H2S) PPM quality requirement	Not answered.
Carbon Dioxide (CO2) percentage quality requirement	Not answered.
Oxygen (O2) percentage quality requirement	Not answered.

<b>Date(s) and Time(s)</b>	
Date venting and/or flaring was discovered or commenced	12/03/2021
Time venting and/or flaring was discovered or commenced	12:30 AM
Time venting and/or flaring was terminated	06:30 AM
Cumulative hours during this event	30

<b>Measured or Estimated Volume of Vented or Flared Natural Gas</b>	
Natural Gas Vented (Mcf) Details	Not answered.

Natural Gas Flared (Mcf) Details	Cause: Midstream Emergency Maintenance   Pipeline (Any)   Natural Gas Flared   Released: 725 Mcf   Recovered: 0 Mcf   Lost: 725 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.

<b>Venting or Flaring Resulting from Downstream Activity</b>	
Was or is this venting and/or flaring a result of downstream activity	No
Was notification of downstream activity received by you or your operator	Not answered.
Downstream OGRID that should have notified you or your operator	Not answered.
Date notified of downstream activity requiring this venting and/or flaring	Not answered.
Time notified of downstream activity requiring this venting and/or flaring	Not answered.

<b>Steps and Actions to Prevent Waste</b>	
For this event, the operator could not have reasonably anticipated the current event and it was beyond the operator's control.	True
Please explain reason for why this event was beyond your operator's control	DCP plant froze up
Steps taken to limit the duration and magnitude of venting and/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 and/or flaring	Flaring was caused from DCP's plant freezing up, unfortunately the only thing we can do is continue communication with the midstream operator

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CONDITIONS  
 Action 65359

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Operator: Redwood Operating LLC PO Box 1370 Artesia, NM 88211370	OGRID: 330211
	Action Number: 65359
	Action Type: [C-129] Venting and/or Flaring (C-129)

**CONDITIONS**

Created By	Condition	Condition Date
dweaver	If the information provided in this report requires an amendment, submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	12/7/2021