

# Certificate of Analysis

Number: 6030-21020192-003A

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

Redwood Redwood

4910 N. Midkiff Rd. Midland, TX 79705

Station Name: Everest 14N #2 Station Number: 722049-00 Station Location: Redwood

Sample Point: Meter Run

Instrument:

Last Inst. Cal.: 02/22/2021 0:00 AM 02/25/2021 10:54:28 by PGS

Analyzed:

70104124 (Inficon GC-MicroFusion)

Sampled By: Javier Lazo Sample Of: Gas

Sample Date: 02/23/2021

Sample Conditions: 61 psia, @ 86 °F Ambient: 31 °F

Effective Date:

02/23/2021

Feb. 25, 2021

Spot

Method: Cylinder No: **GPA-2261M** 5030-03383

### **Analytical Data**

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.696 psia		
Nitrogen	2.328	2.33303	2.901		GPM TOTAL C2+	6.481
Methane	73.093	73.26358	52.174		GPM TOTAL C3+	3.170
Carbon Dioxide	1.810	1.81462	3.545		GPM TOTAL iC5+	0.768
Ethane	12.334	12.36287	16.502	3.311		
Propane	5.708	5.72101	11.199	1.578		
Iso-butane	0.736	0.73722	1.902	0.242		
n-Butane	1.838	1.84259	4.754	0.582		
Iso-pentane	0.512	0.51349	1.645	0.188		
n-Pentane	0.493	0.49395	1.582	0.179		
Hexanes Plus	0.916	0.91764	3.796	0.401		
	99.768	100.00000	100.000	6.481		
Calculated Physica	l Properties	Total	<u> </u>	C6+		· · · · · · · · · · · · · · · · · · ·
Relative Density Rea	al Gas	0.7806	i	3.2176		
Calculated Molecular	r Weight	22.53	3	93.19		
Compressibility Factor	or	0.9960	)			
<b>GPA 2172 Calculati</b>	on:					
<b>Calculated Gross B</b>	TU per ft³ @ 14.696 p	osia & 60°F				
Real Gas Dry BTU		1279	)	5129		
Water Sat. Gas Base	e BTU	1257	•	5040		
Ideal, Gross HV - Dr	y at 14.696 psia	1274.2	<u>.</u>	5129.2		
Ideal, Gross HV - We	et .	1252.0	)	5039.7		
Comments: H2S F	ield Content 2 %					

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 196.4



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### **Analytical Data**

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Nitrogen	2.328	2.33303	2.901		GPM TOTAL C2+	6.481
Methane	73.093	73.26358	52.174		GPM TOTAL C3+	3.170
Carbon Dioxide	1.810	1.81462	3.545		GPM TOTAL iC5+	0.768
Ethane	12.334	12.36287	16.502	3.311		
Propane	5.708	5.72101	11.199	1.578		
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Relative Density Real	Gas	0.7806	3	3.2176		
Calculated Molecular	Weight	22.53	3	93.19		
Compressibility Facto	r	0.9960	)			
<b>GPA 2172 Calculation</b>	on:					
Calculated Gross B7	ΓU per ft³ @ 14.696 μ	osia & 60°F				
Real Gas Dry BTU		1279	)	5129		
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Ideal, Gross HV - Dry	at 14.696 psia	1274.2	<u> </u>	5129.2		
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Comments: H2S Fie	eld Content 2 %					

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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 37991

#### **QUESTIONS**

Operator:	OGRID:
Redwood Operating LLC	330211
PO Box 1370	Action Number:
Artesia, NM 882111370	37991
	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, minor 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 vi	nting 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 <b>ANY</b> 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	

Unregis	Unregistered Facility Site	
Please	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 of	Facility or Site Name Everest 14N TB	
Facility 7	Туре	Tank Battery - (TB)

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	73	
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 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.	

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: 260 Mcf   Recovered: 0 Mcf   Lost: 260 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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PO Box 1370	Action Number:
Artesia, NM 882111370	37991
	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