

Certificate of Analysis Number: 6030-21110287-001A Artesia Laboratory 200 E Main St. Artesia, NM 88210 Phone 575-746-3481

Dec. 06, 2021

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

Station Name:Hawk CTBSampled By:Nathan PayneStation Number:742853-00Sample Of:GasSpotStation Location:RedwoodSample Date:11/24/2021 09:30

Sample Point: Meter run Sample Conditions: 60 psig, @ 72 °F Ambient: 58 °F

 Instrument:
 6030_GC6 (Inficon GC-3000 Micro)
 Effective Date:
 11/24/2021 09:30

 Last Inst. Cal.:
 11/30/2021 0:00 AM
 Method:
 GPA-2261M

 Analyzed:
 12/06/2021 07:27:46 by ERG
 Cylinder No:
 1111-002619

Analytical Data

Components Un-nor	malized Mol %	Mol. %	Wt. %	GPM at 14.696 psia		
Hydrogen Sulfide	0.000	1.00000	1.407		GPM TOTAL C2+	8.292
Nitrogen	1.834	1.79565	2.077		GPM TOTAL C3+	4.225
Methane	67.992	66.57730	44.092		GPM TOTAL iC5+	0.862
Carbon Dioxide	1.716	1.68000	3.052			
Ethane	15.498	15.17517	18.837	4.067		
Propane	8.152	7.98210	14.531	2.204		
Iso-butane	1.124	1.10032	2.640	0.361		
n-Butane	2.578	2.52456	6.058	0.798		
Iso-pentane	0.607	0.59388	1.769	0.218		
n-Pentane	0.596	0.58360	1.738	0.212		
Hexanes Plus	1.008	0.98742	3.799	0.432		
	101.105	100.00000	100.000	8.292		
Calculated Physical Propertie	 s	Total		C6+		
Relative Density Real Gas		0.8400		3.2176		
Calculated Molecular Weight		24,22		93.19		
Compressibility Factor		0.9953				
GPA 2172 Calculation:						
Calculated Gross BTU per ft ³ (@ 14.696 p	osia & 60°F				
Real Gas Dry BTU	_	1371		5129		
Water Sat. Gas Base BTU		1347		5040		
Ideal, Gross HV - Dry at 14.696	psia	1364.1		5129.2		
Ideal, Gross HV - Wet		1340,2		5039.7		

Comments: H2S Field Content 1.0 %

Mcf/day 529

Calg Att

Hydrocarbon Laboratory Manager

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

HAWK 9H CTB

Meter Type	Prod Date	Entry Date	Disposition	Product	UOM	Volume	Vol Rate	Energy Factor	Energy	Flow Temp	Gas Gravity	Base Temp	Base Pro	ess Fl	low Press	Run Hours	Meter Begin	Meter End	Begin Date	End Date	Last Updated
FLARE	12/4/2021	12/5/202	1 FLARE	GAS	MCF	1,829.00	1,829.00	1	1 1,829.00	60)	0.6	60	14.73	22	24	25,984	27,813	12/4/2021 0:00	12/4/2021 0	00 COLEJOHNSON
FLARE	12/3/2021	12/4/202	1 FLARE	GAS	MCF	521.00	521.00		1 521.00	60)	0.6	60	14.73	22	24	25,463	25,984	12/3/2021 0:00	12/3/2021 0	00 COLEJOHNSON

2,350.00

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**

QUESTIONS

Action 65331

QUESTIONS

OGRID:
330211
Action Number:
65331
Action Type:
[C-129] Venting and/or Flaring (C-129)

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 Well	[30-015-46817] HAWK 9 FEDERAL COM #001H			
Incident Facility	Not answered.			

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 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.				
An operator shall file a form C-141 instead of a form C-129 for a release that, includes liquid during Was there or will there be at least 50 MCF of natural gas vented and/or flared during this event	venting and/or flaring that is or may be a major or minor release under 19.15.29.7 NMAC. 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				

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	1			
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 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			

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

Natural Gas Flared (Mcf) Details	Cause: Midstream Emergency Maintenance Pipeline (Any) Natural Gas Flared Released: 2,350 Mcf Recovered: 0 Mcf Lost: 2,350 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 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.			

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.	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 65331

CONDITIONS

Operator:	OGRID:
Redwood Operating LLC	330211
PO Box 1370	Action Number:
Artesia, NM 882111370	65331
	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