

Certificate of Analysis

Number: 6030-21050271-004A

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

Redwood Redwood

4910 N. Midkiff Rd. Midland, TX 79705

Station Name: Higgins Trust

Station Number: 724915-00

Station Location: Redwood

Sampled By: Javier Lazo Sample Of: Gas Spot

Sample Date:

05/25/2021 09:00 Sample Conditions: 30 psia, @ 88 °F Ambient: 88 °F

May 28, 2021

Sample Point: Meter Run 70104251 (Inficon GC-MicroFusion) Instrument: Last Inst. Cal.: 05/18/2021 0:00 AM

05/28/2021 07:41:29 by KNF Analyzed:

05/25/2021 09:00 Effective Date: Method: GPA-2261M Cylinder No: 5030-02349

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.696 psia	
Nitrogen	1.539	1.56019	1.768		
Carbon Dioxide	2.012	2.03880	3.631		
Methane	66.465	67.36703	43.730		
Ethane	14.535	14.73213	17.924	3.950	
Propane	7.595	7.69826	13.735	2.126	
Iso-Butane	1.000	1.01387	2.384	0.333	
n-Butane	2.402	2.43429	5.725	0.769	
Iso-Pentane	0.656	0.66510	1.942	0.244	
n-Pentane	0.681	0.68973	2.014	0.251	
Hexanes	0.524	0.53121	1.852	0.219	
Heptanes	1.069	1.08320	4.392	0.501	
Octanes	0.110	0.11149	0.515	0.057	
Nonanes Plus	0.074	0.07470	0.388	0.042	
	98.662	100.00000	100.000	8.492	
Calculated Physical	Properties	Tota		C9+	
Calculated Molecular	Weight	24.71		128.26	
Compressibility Factor	or	0.9950)		
Relative Density Rea	l Gas	0.8573	3	4.4283	
GPA 2172 Calculation	on:				
Calculated Gross B	TU per ft³ @ 14.696 ¡	osia & 60°F			
Real Gas Dry BTU		1405.6	;	6996.3	
Water Sat. Gas Base	BTU	1381.7	•	6874.3	
Ideal, Gross HV - Dry	/ at 14.696 psia	1398.5	;	6996.3	
Ideal, Gross HV - We	et	1374.1		6874.3	
Comments: H2S Fi	eld Content .9 %				

Mcf/day 512

Report generated by: Krystle Fitzwater

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

Quality Assurance:

HIGGINS TRUST #1/13A

Location 32.7542644 -104.3270389

Meter Type	Prod Date	Entry Date	Disposition	Product	UOM	Volume	Vol Rate	Energy Factor	Energy	Flow Temp	Gas Gravity	Base Tem	p Bas	se Press	Flow Press	Run Hours	Meter Begin	Meter End	Begin Date	End Date	Last Updated
FLARE	12/4/2021	12/5/202	1 FLARE	GAS	MCF	309	309)	1	309	60	0.6	60	14.73	1	3 24	1 61	5 9	24 12/4/2021 0:	0 12/4/2021 0	0:00 BENJAMINTIPTON
FLARE	12/3/2021	12/4/202	1 FLARE	GAS	MCF	615	615		1	515	60	0.6	60	14.73	1	3 24	1) (12/3/2021 0:	0 12/3/2021 0	:00 BENJAMINTIPTON

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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 65391

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Time venting and/or flaring was terminated 06:30 AM	Date venting and/or flaring was discovered or commenced	12/03/2021					
·	Time venting and/or flaring was discovered or commenced	12:30 AM					
Cumulative hours during this event 30	Time venting and/or flaring was terminated	06:30 AM					
	Cumulative hours during this event	30					

Not answered.

Natural Gas Vented (Mcf) Details

Measured or Estimated Volume of Vented or Flared Natural Gas

Natural Gas Flared (Mcf) Details	Cause: Midstream Emergency Maintenance Pipeline (Any) Natural Gas Flared Released: 924 Mcf Recovered: 0 Mcf Lost: 924 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 gas caused from DCP's plant freezing up unfortunately the only thing we can do is continue communication with the midstream operator

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**

CONDITIONS

Action 65391

CONDITIONS

Operator:	OGRID:
Redwood Operating LLC	330211
PO Box 1370	Action Number:
Artesia, NM 882111370	65391
	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