FESCO, Ltd. 1100 Fesco Ave. - Alice, Texas 78332

For: Ameredev Operating, LLC 2901 Via Fortuna Austin, Texas 78746

Sample: Red Bud CTB

Sales Meter Run

Spot Gas Sample @ 58 psig & 105°F

Date Sampled: 06/03/2023 Job Number: 232371.021

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286

	Un-Normalized		
COMPONENT	Mol%	MOL%	GPM
Hydrogen Sulfide*		0.750	
Oxygen	0.002	0.002	
Nitrogen	1.073	1.082	
Carbon Dioxide	1.284	1.294	
Methane	71.998	72.593	
Ethane	10.867	10.956	3.002
Propane	6.678	6.732	1.900
Isobutane	1.184	1.194	0.400
n-Butane	2.613	2.634	0.851
2-2 Dimethylpropane	0.013	0.013	0.005
Isopentane	0.820	0.827	0.310
n-Pentane	0.700	0.706	0.262
Hexanes	0.540	0.575	0.243
Heptanes Plus	<u>0.669</u>	0.642	0.261
Totals	98.441	100.000	7.234

Computed Real Characteristics Of Heptanes Plus:

Specific Gravity	3.314	(Air=1)
Molecular Weight	95.55	
Gross Heating Value	5126	BTU/CF

Computed Real Characteristics Of Total Sample:

Specific Gravity	0.815	(Air=1)
Compressibility (Z)	0.9954	
Molecular Weight	23.49	
Gross Heating Value		
Dry Basis	1384	BTU/CF
Saturated Basis	1361	BTU/CF

^{*}Hydrogen Sulfide tested on location by: Stain Tube Method (GPA 2377)

Results: 471.7 Gr/100 CF, 7500 PPMV or 0.750 Mol %

Base Conditions: 15.025 PSI & 60 Deg F

Sampled By: (16) D. Field

Analyst: JS Processor: HB Certified: FESCO, Ltd. - Alice, Texas

Conan Pierce 361-661-7015

Job Number: 232371.021

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286 TOTAL REPORT

COMPONENT	MOL %	GPM		WT %
Hydrogen Sulfide*	0.750			1.088
Oxygen	0.002			0.003
Nitrogen	1.082			1.291
Carbon Dioxide	1.294			2.425
Methane	72.593			49.584
Ethane	10.956	3.002		14.027
Propane	6.732	1.900		12.639
Isobutane	1.194	0.400		2.955
n-Butane	2.634	0.851		6.518
2,2 Dimethylpropane	0.013	0.005		0.040
Isopentane	0.827	0.310		2.540
n-Pentane	0.706	0.262		2.169
2,2 Dimethylbutane	0.011	0.005		0.040
Cyclopentane	0.000	0.000		0.000
2,3 Dimethylbutane	0.060	0.025		0.220
2 Methylpentane	0.179	0.076		0.657
3 Methylpentane	0.116	0.048		0.426
n-Hexane	0.209	0.088		0.767
Methylcyclopentane	0.083	0.030		0.297
Benzene	0.058	0.017		0.193
Cyclohexane	0.098	0.034		0.351
2-Methylhexane	0.027	0.013		0.115
3-Methylhexane	0.030	0.014		0.128
2,2,4 Trimethylpentane	0.013	0.007		0.063
Other C7's	0.049	0.022		0.207
n-Heptane	0.049	0.023		0.209
Methylcyclohexane	0.074	0.030		0.309
Toluene	0.052	0.018		0.204
Other C8's	0.050	0.024		0.235
n-Octane	0.014	0.007		0.068
Ethylbenzene	0.004	0.002		0.018
M & P Xylenes	0.011	0.004		0.050
O-Xylene	0.003	0.001		0.014
Other C9's	0.017	0.009		0.091
n-Nonane	0.003	0.002		0.016
Other C10's	0.005	0.003		0.030
n-Decane	0.001	0.001		0.006
Undecanes (11)	<u>0.001</u>	0.001		0.007
Totals	100.000	7.234		100.000
Computed Real Characte	ristics of Total Sample			
Specific Gravity		0.815	(Air=1)	
Compressibility (Z)		0.9954	. ,	
Molecular Weight		23.49		
Gross Heating Value				
_		1384	BTU/CF	
		1261	DTI I/CE	

Sample Date: 06/03/2023 Sample Time: 15:15

Saturated Basis -----

Analysis Date: 06/08/2023 Analysis Time: 16:58

Sample Pressure: 58 psig **Sample Temp:** 105 °F

Ambient Air Temp: 85 °F

1361 BTU/CF

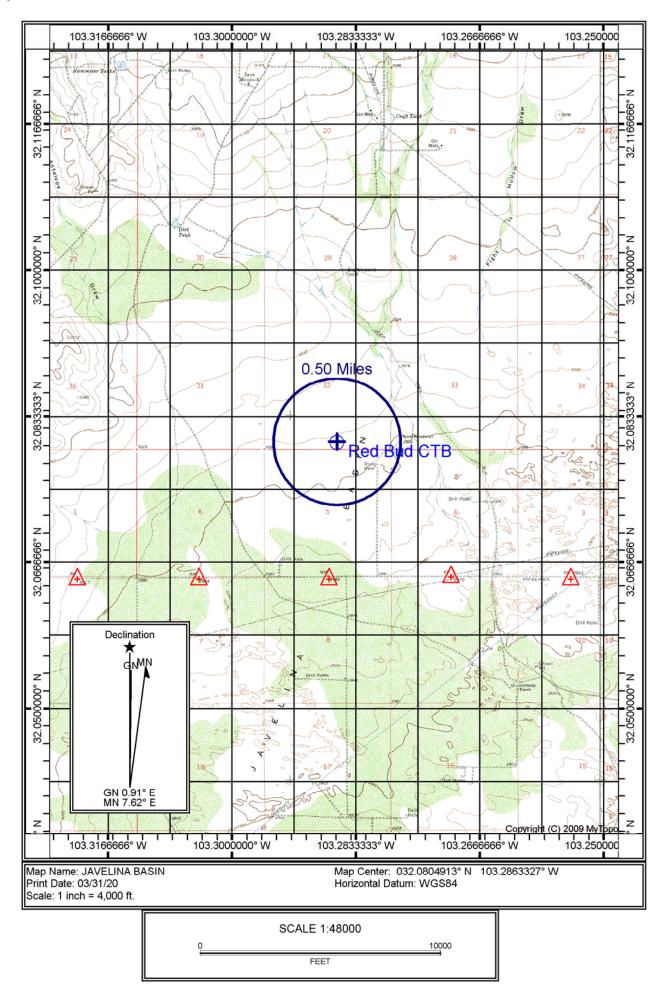
Heating Method Utilized: Yes

Sampling Method: Fill & Empty
Device: (GC) S14

Make & Model: Shimadzu GC 2014

Last Verification Date: 06/08/2023

lonRec	ived by O QD: # /16/2024 4:	0 ზნბRMident# ▼	Facility#	Date (C-129 Was Filed) ▼	(Flaring Discovered)	Date Flaring Occurred •	Location	Flare Source Equipment	Gas Volume (MCF) ▼	or Vented	of the flare event	of the flare event	Flare Duration (hr)	C129 Filing Reason	Page 3 of 9
8	C3Q5H-231226-C-1290	nAPP2336039023	fAPP2203856979	12/26/2023	12/11/2023	12/10/2023	Nandina	VRU Discharge	52.64	Flared	12:03 AM	11:47 PM	11.77	Flared more than 8 HRs	O2 alarm was tri
ŏ .	OW5S-231226-C-1290	nAPP2336039495	fAPP2203927141	12/26/2023	12/11/2023	12/10/2023	Red Bud	VRU Discharge	56.56	Flared	12:00 AM	11:36 PM	24.00	Flared more than 8 HRs	BPV had a bad re
Q [NA	NA	NA	NA	12/12/2023	12/11/2023	Nandina	VRU Discharge	105.45	Flared	12:02 AM	12:20 PM	5.13	Oxygen	O2 alarm was tri
(FKTL-231226-C-1290	nAPP2336042291	fAPP2203846035	12/26/2023	12/13/2023	12/12/2023	Amen Corner	VRU Discharge	59.41	Flared	12:00 AM	11:57 PM	24.00	Flared more than 8 HRs	Control opened
	NA	NA	NA	NA	12/17/2023	12/16/2023	Red Bud	LP - Vent flare/Blower Flare	102.10	Flared	8:49 AM	11:42 AM	2.88	Insufficient Availability	Control Room is
	NA	NA	NA	NA	12/20/2023	12/19/2023	Nandina	LP - Vent flare/Blower Flare	52.29	Flared	10:38 AM	11:57 PM	4.33	Insufficient Availability	There were a cou
	NA	NA	NA	NA	12/20/2023	12/19/2023	Red Bud	HP Flare	90.23	Flared	7:50 PM	10:50 PM	0.05	Oxygen	Facility production
	NA	NA	NA	NA	12/20/2023	12/19/2023	Red Bud	LP - Vent flare/Blower Flare	66.44	Flared	2:58 PM	11:39 PM	7.77	Oxygen	Control Room op
	NA	NA	NA	NA	12/21/2023	12/20/2023	Red Bud	VRU Discharge	72.43	Flared	11:48 AM	2:11 PM	2.40	Oxygen	Facility had an O
4	14KPY-231226-C-1290	nAPP2336046968	fAPP2203927141	12/26/2023	12/21/2023	12/20/2023	Red Bud	LP - Vent flare/Blower Flare	202.21	Flared	12:00 AM	11:50 PM	19.59	Flared more than 8 HRs	Tanks were bein
	917F1-231226-C-1290	nAPP2336047881	fAPP2203927141	12/26/2023	12/22/2023	12/21/2023	Red Bud	LP - Vent flare/Blower Flare	174.32	Flared	12:00 AM	11:57 PM	12.08	Flared more than 8 HRs	Tanks were bein
	NA	NA	NA	NA	12/23/2023	12/22/2023	Red Bud	VRU Discharge	51.72	Flared	12:38 AM	11:52 PM	6.03	Oxygen	Facility had an O
	NA	NA	NA	NA	12/23/2023	12/22/2023	Red Bud	LP - Vent flare/Blower Flare	52.59	Flared	12:00 AM	5:05 PM	3.92	Insufficient Availability	The sales blowe
	NA	NA	NA	NA	12/24/2023	12/23/2023	Nan 1.5N	HP Flare	72.99	Flared	2:33 PM	11:45 PM	0.05	Insufficient Availability	/ Midstream comp
	NA	NA	NA	NA	12/26/2023	12/25/2023	Nan 1.5N	HP Flare	315.43	Flared	2:59 AM	9:58 PM	0.51	Insufficient Availability	Control Room is
	NA	NA	NA	NA	12/27/2023	12/26/2023	Red Bud	HP Flare	151.29	Flared	12:00 AM	12:10 AM	0.01	Insufficient Availability	Note: This flared
			fAPP2203927141	1/10/2024	12/31/2023	12/30/2023	Red Bud	VRU Discharge	124.05	Flared	3:06 AM	11:50 PM	13.92	Flared more than 8 HRs	Facility started g
Rele	ased to Imaging: 1/16/2024	4:11:36 PM	fAPP2203927141	1/10/2024	1/1/2024	12/31/2023	Pinestraw	VRU Discharge	59.22	Flared	12:02 AM	11:57 PM	23.97	Flared more than 8 HRs	Production was
			fAPP2203927141	1/10/2024	1/1/2024	12/31/2023	Red Bud	VRU Discharge	94.59	Flared	12:32 AM	11:54 PM	14.32	Flared more than 8 HRs	Facility was gett



District I
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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**

DEFINITIONS

Action 304214

DEFINITIONS

Operator:	OGRID:
AMEREDEV OPERATING, LLC	372224
2901 Via Fortuna	Action Number:
Austin, TX 78746	304214
	Action Type:
	[C-129] Venting and/or Flaring (C-129)

DEFINITIONS

For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application:

- this application's operator, hereinafter "this operator";
- · venting and/or flaring, hereinafter "vent or flare";
- any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";
- the statements in (and/or attached to) this, hereinafter "the statements in this";
- and the past tense will be used in lieu of mixed past/present tense questions and statements.

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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

QUESTIONS

Action 304214

Pnone:(505) 476-3470 Fax:(505) 476-3462		
	UESTIONS	
Operator: AMEREDEV OPERATING, LLC		OGRID: 372224
2901 Via Fortuna		Action Number:
Austin, TX 78746		304214
		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 v	with the rest of the questions.
Incident Well	Unavailable.	
Incident Facility	[fAPP2203928043] RED E	BUD
Determination of Description Description		
Determination of Reporting Requirements	and may provide addianal avidana	
Answer all questions that apply. The Reason(s) statements are calculated based on your answers a Was this vent or flare caused by an emergency or malfunction	No	ie.
Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event	Yes	
Is this considered a submission for a vent or flare event	Yes, minor venting and/o	or flaring of natural gas
	<u> </u>	•
An operator shall file a form C-141 instead of a form C-129 for a release that, includes liquid during was there at least 50 MCF of natural gas vented and/or flared during this event		ay be a major or minor release under 19.15.29.7 NMAC.
· · · · · · · · · · · · · · · · · · ·	Yes	
Did this vent or flare 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 vent or flare 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. Methano (CHA) percentage	72	
Methane (CH4) percentage	73	
Nitrogen (N2) percentage, if greater than one percent	1	
Hydrogen Sulfide (H2S) PPM, rounded up	1	
Carbon Dioxide (C02) percentage, if greater than one percent	1	
Oxygen (02) percentage, if greater than one percent	0	
If you are venting and/or flaring because of Pipeline Specification, please provide the required spec	cifications 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.	

Not answered.

Oxygen (02) percentage quality requirement

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

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Phone:(505) 334-6178 Fax:(505) 334-6170 1220 S. St Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

QUESTIONS, Page 2

Action 304214

OUESTI	IONS (continued)
Operator:	OGRID:
AMEREDEV OPERATING, LLC	372224
2901 Via Fortuna	Action Number:
Austin, TX 78746	304214
	Action Type: [C-129] Venting and/or Flaring (C-129)
QUESTIONS	•
Date(s) and Time(s)	
Date vent or flare was discovered or commenced	12/31/2023
Time vent or flare was discovered or commenced	12:32 AM
Time vent or flare was terminated	11:54 PM
Cumulative hours during this event	14
Measured or Estimated Volume of Vented or Flared Natural Gas	T
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Commissioning to Purge Flow Line - Production Natural Gas Flared Released: 95 Mcf Recovered: 0 Mcf Lost: 95 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	
	T
Was this vent or flare a result of downstream activity	No
Was notification of downstream activity received by this operator	Not answered.
Downstream OGRID that should have notified this operator	Not answered.
Date notified of downstream activity requiring this vent or flare	Not answered.
Time notified of downstream activity requiring this vent or flare	Not answered.
Steps and Actions to Prevent Waste	
	T
For this event, this operator could not have reasonably anticipated the current event and it was beyond this operator's control.	True
Please explain reason for why this event was beyond this operator's control	Facility was getting O2 spikes from the tanks.
Steps taken to limit the duration and magnitude of vent or flare	We choked back the wells to limit production.

We have a designated personnel just to deal with oxygen issue now, hoping to minimize any

flare resulting from oxygen spike.

Corrective actions taken to eliminate the cause and reoccurrence of vent or flare

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ACKNOWLEDGMENTS

Action 304214

ACKNOWLEDGMENTS

Operator:	OGRID:
AMEREDEV OPERATING, LLC	372224
2901 Via Fortuna	Action Number:
Austin, TX 78746	304214
	Action Type:
	[C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

✓	I acknowledge that I am authorized to submit a <i>Venting and/or Flaring</i> (C-129) report on behalf of this operator and understand that this report can be a complete C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.
V	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to this operator) to track any C-129 forms, pursuant to 19.15.27.7 and 19.15.28.8 NMAC and understand that this submission meets the notification requirements of Paragraph (1) of Subsection G and F respectively.
⋉	I hereby certify the statements in this report are true and correct to the best of my knowledge and acknowledge that any false statement may be subject to civil and criminal penalties under the Oil and Gas Act.
V	I acknowledge that the acceptance of any C-129 forms by the OCD does not relieve this operator of liability should their operations have failed to adequately investigate, report, and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment.
V	I acknowledge that OCD acceptance of any C-129 forms does not relieve this operator of responsibility for compliance with any other applicable federal, state, or local laws and/or regulations.

District III

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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

CONDITIONS

Action 304214

CONDITIONS

Operator:	OGRID:
AMEREDEV OPERATING, LLC	372224
2901 Via Fortuna	Action Number:
Austin, TX 78746	304214
	Action Type:
	[C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
cescayu	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.	1/16/2024