

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

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

Sample: Pinestraw CTB

Sales Meter Run

Spot Gas Sample @ 58 psig & 100°F

Date Sampled: 04/01/2023 Job Number: 231769.004

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286

	Un-Normalized		
COMPONENT	Mol%	MOL%	GPM
Hydrogen Sulfide*		0.200	
Nitrogen	0.623	0.630	
Carbon Dioxide	0.894	0.904	
Methane	56.447	57.110	
Ethane	14.559	14.728	4.046
Propane	12.384	12.528	3.546
Isobutane	2.759	2.790	0.938
n-Butane	5.782	5.849	1.894
2-2 Dimethylpropane	0.021	0.022	0.009
Isopentane	1.954	1.977	0.743
n-Pentane	1.562	1.581	0.589
Hexanes	1.044	0.988	0.418
Heptanes Plus	<u>0.621</u>	0.693	0.264
	98.650	100.000	12.447
Computed Real Charac			:
Specific Gravity		3.129	(Air=1)
Molecular Weight			
Gross Heating Value -		4833	BTU/CF
Computed Real Charac		-	
Specific Gravity			(Air=1)
Compressibility (Z)			
Molecular Weight		28.84	
Gross Heating Value			
Dry Basis			BTU/CF
Saturated Basis		1679	BTU/CF

*Hydrogen Sulfide tested on location by: Stain Tube Method (GPA 2377) 125.8 Gr/100 CF, 2000 PPMV or 0.200 Mol %

Base Conditions: 15.025 PSI & 60 Deg F

Sampled By: (16) R. Elizondo Certified: FESCO, Ltd. - Alice, Texas

Analyst: JS Processor: HB Cylinder ID: T-6338

Conan Pierce 361-661-7015

Job Number: 231769.004

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286 TOTAL REPORT

COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	0.200		0.236
Nitrogen	0.630		0.612
Carbon Dioxide	0.904		1.380
Methane	57.110		31.768
Ethane	14.728	4.046	15.358
Propane	12.528	3.546	19.158
Isobutane	2.790	0.938	5.624
n-Butane	5.849	1.894	11.789
2,2 Dimethylpropane	0.022	0.009	0.055
Isopentane	1.977	0.743	4.947
n-Pentane	1.581	0.589	3.956
2,2 Dimethylbutane	0.022	0.009	0.066
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.110	0.046	0.329
2 Methylpentane	0.317	0.135	0.947
3 Methylpentane	0.202	0.085	0.604
n-Hexane	0.337	0.142	1.007
Methylcyclopentane	0.133	0.048	0.388
Benzene	0.104	0.030	0.282
Cyclohexane	0.157	0.055	0.458
2-Methylhexane	0.029	0.014	0.101
3-Methylhexane	0.030	0.014	0.104
2,2,4 Trimethylpentane	0.012	0.006	0.048
Other C7's	0.052	0.023	0.179
n-Heptane	0.040	0.019	0.139
Methylcyclohexane	0.067	0.028	0.228
Toluene	0.045	0.015	0.144
Other C8's	0.019	0.009	0.073
n-Octane	0.003	0.002	0.012
Ethylbenzene	0.001	0.000	0.004
M & P Xylenes	0.001	0.000	0.004
O-Xylene	0.000	0.000	0.000
Other C9's	0.000	0.000	0.000
n-Nonane	0.000	0.000	0.000
Other C10's	0.000	0.000	0.000
n-Decane	0.000	0.000	0.000
Undecanes (11)	0.000	<u>0.000</u>	0.000
Totals	100.000	12.447	100.000

Computed Real Characteristics Of Total Sample:

Specific Gravity	1.003	(Air=1)
Compressibility (Z)	0.9927	
Molecular Weight	28.84	
Gross Heating Value		
Dry Basis	1708	BTU/CF
Saturated Basis	1679	BTU/CF

Sample Date: 04/01/2023 Ambient Air Temp: 54 °F
Sample Time: 09:45 Heating Method Utilized: Yes

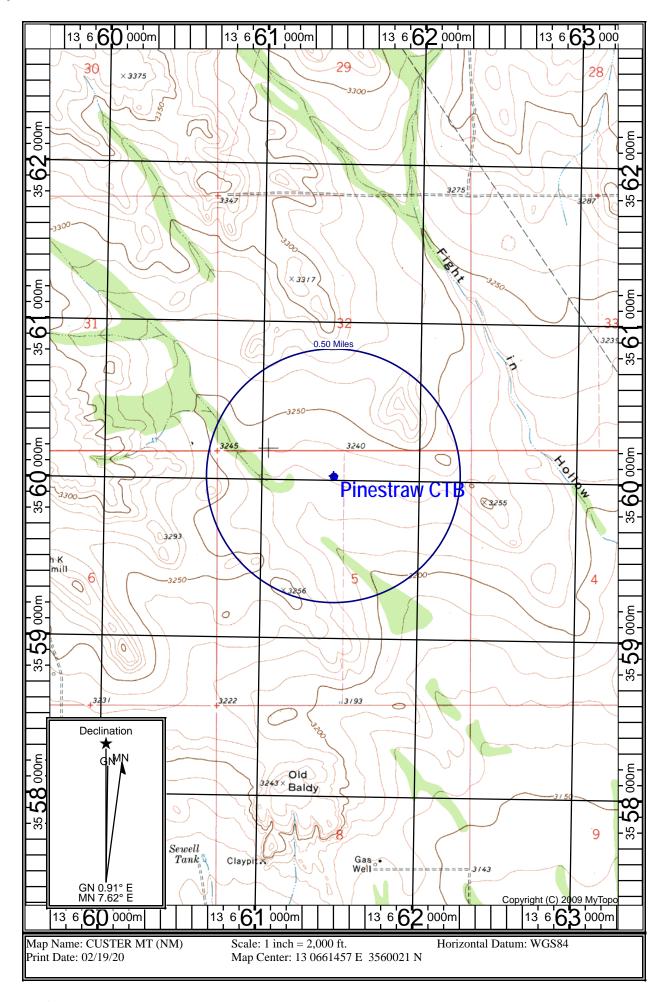
Analysis Date: 04/19/2023 Sampling Method: Fill & Empty
Analysis Time: 07:48 Device: (GC) S14

Sample Pressure: 58 psig Make & Model: Shimadzu GC 2014

Sample Temp: 100 °F Last Verification Date: 04/13/2023

Sampling Flow Rate: 402 MCF/D

lonRec	ived by O QD; # /16/2024 3:	520だDRM:ident#	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
ö	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	4:01:28 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
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**

DEFINITIONS

Action 304200

DEFINITIONS

Operator:	OGRID:
AMEREDEV OPERATING, LLC	372224
2901 Via Fortuna	Action Number:
Austin, TX 78746	304200
	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 304200

Coerestor AUSENDEN OPERATING.LLC 2021 Yea Frontina Austra, TX 78740 Auton, Type: [C-120] Venting and/or Flaring (C-125) Auton Type: [C-120] Venting and/or Flaring (C-125) CUESTONS Proreguisites Incident Facility In	Prione:(505) 476-3470 Fax:(505) 476-3462		
AGRECIDEY OFFERTING, LLC 2001 Vis Tortuna Auslin, TX 78749 Acron Number: 304200 Acron Number: 304200 Acron Number: 304200 Acron Number: 304200 Forequibites Acron Number: 40400 Figure gravated in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions. Incident Well Incident Facility [IRAPP203927141] PINE STRAW Determination of Reporting Requirements Answer all questions that apply. The Research ji distinguish are calculated based on your assesser and may provide additional guidance. Was this worst or face caused by an emergency or mainfunction Did this vent or flare last eight hours or more cumulatively within any 24-thour period from a nigilar event. Is this considered a submission for a vent or fame ownt An operator shall be a form: C-12 finated of a form: C-126 for a reverse left, include is load during this own. An operator shall be a form: C-14 instead of a form: C-126 for a reverse left, include is load during this own. An operator shall be a form: C-14 instead of a form: C-126 for a reverse left, include is load during this own. Acron shall be a form: C-14 instead of a form: C-126 for a reverse left, include is load during this own. An operator shall be a form: C-126 for a reverse left, include is load during this own. An operator shall be a form: C-126 for a reverse left, include is load during this own. An operator shall be a form: C-126 for a reverse left, include is load during this own. An operator shall be a form: C-126 for a reverse left, include is load during this own. An operator shall be a form: C-126 for a reverse left, include is load during this own. An operator shall be a form: C-126 for a reverse left, include is load during this own. An operator shall be a form: C-126 for a reverse left, include including this own. An operator shall be a form: C-126 for a reverse left, include including this own. An operator shall be a form: C-126 for a reverse left, include including this own. An op		UESTIONS	T
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C-129 Venting and/or Flaring (C-129)	Austin, TX 78746		
Prerequisites Any message presented in this section, will prevent submission of this application. Preser resolve these issues before continuing with the rest of the questions. Incident Well Incident Facility Incident Fa			
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Incident Well Incident Facility [IAPP2203827141] PINE STRAW Incident Facility I	Prerequisites		
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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 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 Equipment involved Primary Equipment Involved 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. Mittogen (N2) percentage, if greater than one percent 1 Hydrogen Sulfide (H2S) PPM, rounded up Carbon Dioxide (CO2) percentage, if greater than one percent 1 Oxygen (O2) percentage, if greater than one percent 1 Oxygen (O2) percentage, if greater than one percent 1 Oxygen (O2) percentage, if greater than one percent Not answered. Not answered. Not answered.	An operator shall file a form C-141 instead of a form C-129 for a release that, includes liquid during v	enting and/or flaring that is or may	be a major or minor release under 19.15.29.7 NMAC.
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	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

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

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 304200

Phone: (505) 476-3470 Fax: (505) 476-3462	ONS (continued)
Operator:	ONS (continued)
AMEREDEV OPERATING, LLC	372224
2901 Via Fortuna Austin, TX 78746	Action Number: 304200
	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	12:02 AM
Time vent or flare was terminated	11:57 PM
Cumulative hours during this event	24
	<u>'</u>
Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Commissioning to Purge Flow Line - Production Natural Gas Flared Released: 59 Mcf Recovered: 0 Mcf Lost: 59 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	
	Ι.,
Was this vent or flare a result of downstream activity	No .
Was notification of downstream activity received by this operator Downstream OGRID that should have notified this operator	Not answered.
Date notified of downstream activity requiring this vent or flare	Not answered. Not answered.
Time notified of downstream activity requiring this vent or flare	Not answered. Not answered.
Time neutrod of definitional deathly requiring time volt of half	Not allsweled.
Steps and Actions to Prevent Waste	
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	Production was opened up and facility was being purged due to high O2.
Steps taken to limit the duration and magnitude of vent or flare	We choked back the wells to limit production.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	We have a designated personnel just to deal with oxygen issue now, hoping to minimize any

flare resulting from oxygen spike.

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ACKNOWLEDGMENTS

Action 304200

ACKNOWLEDGMENTS

Operator:	OGRID:
AMEREDEV OPERATING, LLC	372224
2901 Via Fortuna	Action Number:
Austin, TX 78746	304200
	Action Type:
	[C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

V	I acknowledge that I am authorized to submit a Venting and/or Flaring (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.
V	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.

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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 304200

CONDITIONS

Operator:	OGRID:
AMEREDEV OPERATING, LLC	372224
2901 Via Fortuna	Action Number:
Austin, TX 78746	304200
	Action Type:
	[C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created	Sy Condition	Condition Date
cescay	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