



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

COMPONENT	Un-Normalized		
	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>	<u>0.693</u>	<u>0.264</u>
	98.650	100.000	12.447

Computed Real Characteristics Of Heptanes Plus:

Specific Gravity ----- 3.129 (Air=1)
Molecular Weight ----- 89.98
Gross Heating Value ----- 4833 BTU/CF

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

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

Certified: FESCO, Ltd. - Alice, Texas

Conan Pierce 361-661-7015

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)	<u>0.000</u>	<u>0.000</u>	<u>0.000</u>
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

Sample Time: 09:45

Analysis Date: 04/19/2023

Analysis Time: 07:48

Sample Pressure: 58 psig

Sample Temp: 100 °F

Sampling Flow Rate: 402 MCF/D

Ambient Air Temp: 54 °F

Heating Method Utilized: Yes

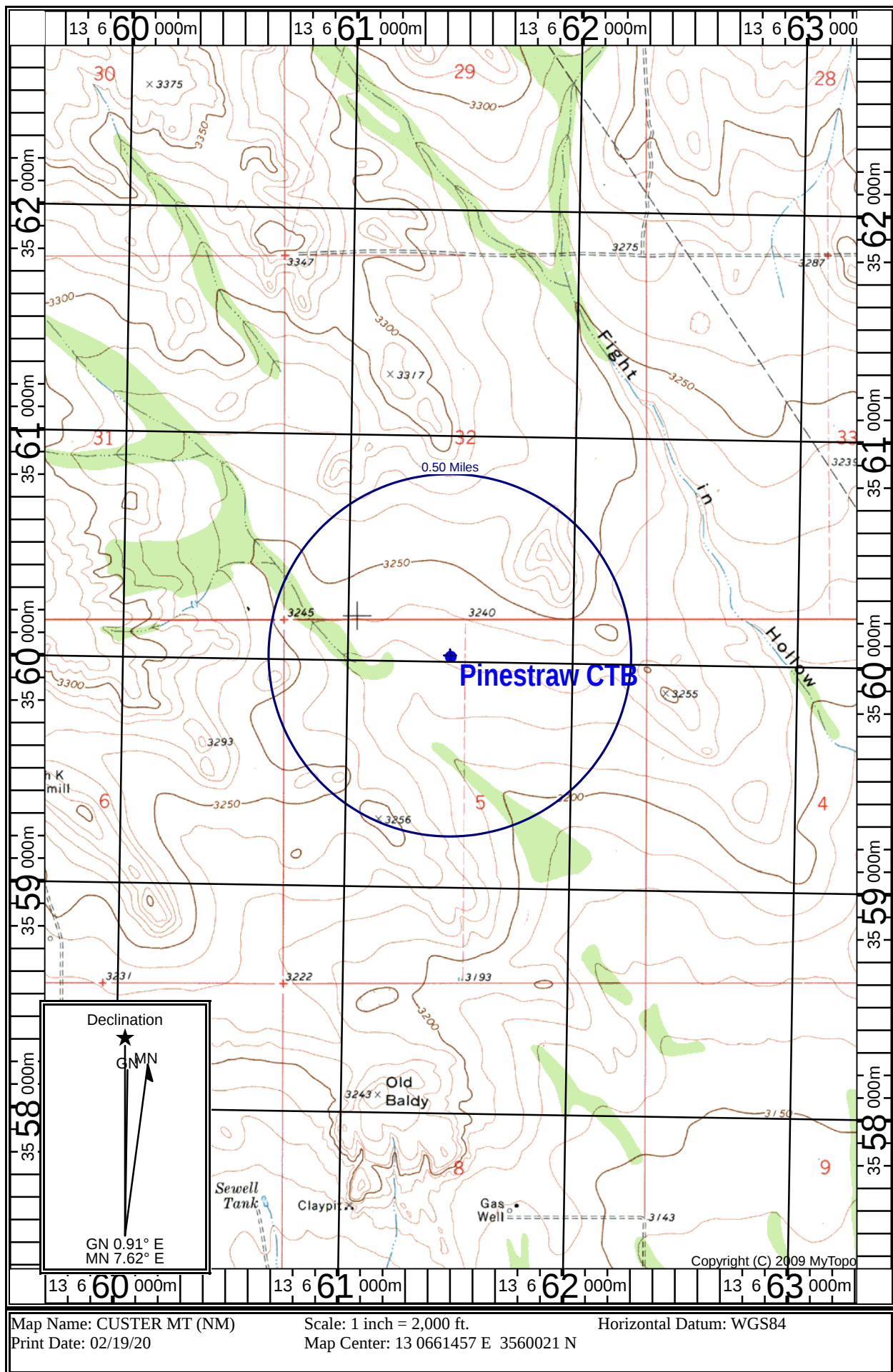
Sampling Method: Fill & Empty

Device: (GC) S14

Make & Model: Shimadzu GC 2014

Last Verification Date: 04/13/2023

Received by OCD: 5/23/2024 9:19:50 AM		Flare Source Equipment		Gas Volume (MCF)	Gas Volume reported under 15.025 psi (MCF)	Flared or Vented	Start Time of the flare event	End Time of the flare event	Flare Duration (hr)	C129 Filing Reason	Page 3 of 9
Flaring Occurred	Location										
2/1/2024	Red Bud	VRU Discharge	74.45	NA	Flared	12:00 AM	12:32 PM	11.47	Flared more than 8 HRs	Facility got an O2 spike so gas had to	
2/2/2024	Nan 1.5N	HP Graph Tags - TankLogix	73.84	NA	Flared	11:00 AM	12:14 PM	0.12	Insufficient Availability	Line pressure got high so gas had to	
2/2/2024	Nandina	VRU Discharge	55.34	NA	Flared	3:52 PM	11:58 PM	3.38	Oxygen	Facility got an O2 spike because sale	
2/2/2024	Pinestraw	VRU Discharge	60.22	NA	Flared	12:02 AM	5:25 PM	5.17	Oxygen	Facility was getting some O2 spikes	
2/2/2024	Pinestraw	LP Flare Estimation Sheet - Tank Pressure, Valve Status	160.88	NA	Flared	8:15 AM	11:57 PM	11.79	Flared more than 8 HRs	Sales blowers are currently switched	
2/3/2024	Nandina	VRU Discharge	191.23	NA	Flared	12:00 AM	3:20 PM	11.47	Flared more than 8 HRs	Facility got an O2 spike because sale	
2/3/2024	Pinestraw	LP Flare Estimation Sheet - Tank Pressure, Valve Status	135.57	NA	Flared	12:00 AM	11:57 PM	18.32	Flared more than 8 HRs	Sales blowers are currently switched	
2/4/2024	Amen Corner	HP Flare	556.00	NA	Flared	12:00 AM	11:59 PM	24.00	Oxygen	Note: Flare meter is not showing a r	
2/4/2024	Amen Corner	VRU Discharge	61.40	NA	Flared	10:06 AM	7:26 PM	6.67	Oxygen	Facility opened up production after a	
2/4/2024	Nan 1.5N	HP Graph Tags - TankLogix	111.11	NA	Flared	2:58 AM	7:19 PM	0.25	Insufficient Availability	Midstream Company is not able to k	
2/4/2024	Pinestraw	LP Flare Estimation Sheet - Tank Pressure, Valve Status	98.34	NA	Flared	12:00 AM	11:59 PM	24.00	Flared more than 8 HRs	Sales blowers are currently switched	
2/5/2024	Amen Corner	LP Flare Estimation Sheet - Tank Pressure, Valve Status	51.80	NA	Flared	12:00 AM	11:59 PM	4.15	Malfunction	Tanks are isolated from the sales blo	
2/5/2024	Nan 1.5N	HP Graph Tags - TankLogix	212.29	NA	Flared	9:31 AM	10:55 PM	0.40	Insufficient Availability	Midstream Company is not able to k	
2/5/2024	Pinestraw	LP Flare Estimation Sheet - Tank Pressure, Valve Status	113.24	NA	Flared	12:00 AM	11:57 PM	15.55	Flared more than 8 HRs	Sales blowers are currently switched	
2/6/2024	Pinestraw	VRU Discharge	166.13	NA	Flared	9:43 AM	4:30 PM	6.80	Oxygen	Facility was lined out to HP flare sinc	
2/6/2024	Pinestraw	LP Flare Estimation Sheet - Tank Pressure, Valve Status	72.53	NA	Flared	12:21 AM	11:48 PM	12.28	Flared more than 8 HRs	Sales blowers are currently switched	
2/7/2024	Nan 1.5N	HP Flare	84.96	NA	Flared	6:55 AM	8:25 PM	13.50	Flared more than 8 HRs	Midstream Company is not able to k	
2/8/2024	Nan 1.5N	HP Flare	156.83	NA	Flared	7:40 AM	4:06 PM	8.43	Flared more than 8 HRs	Midstream Company is not able to k	
2/9/2024	Nan 1.5N	HP Flare	84.51	NA	Flared	5:55 AM	9:40 PM	15.75	Flared more than 8 HRs	Midstream Company is not able to k	
2/10/2024	Nan 1.5N	HP Flare	50.54	NA	Flared	9:38 AM	7:21 PM	9.72	Flared more than 8 HRs	Midstream Company is not able to k	
2/6/2024	Firethorn	Tripod LP Tip	58.09	NA	Flared	12:37 PM	11:06 PM	10.48	Malfunction/Flared more than 8 HRs	CT VRUs faulted and caused the tow	
2/16/2024	Firethorn	Tripod LP Tip	125.61	NA	Flared	3:59 PM	11:59 PM	8.00	Malfunction/Flared more than 8 HRs	CT VRUs faulted and caused the tow	
2/17/2024	Firethorn	Tripod LP Tip	375.43	NA	Flared	12:00 AM	12:00 PM	24.00	Malfunction/Flared more than 8 HRs	CT VRUs faulted and caused the tow	
2/10/2024	Firethorn	Tripod HP Tip	141.77	NA	Flared	2:23 PM	5:30 PM	3.12	Malfunction	CT VRUs faulted and caused the tow	
2/14/2024	Firethorn	Tripod HP Tip	102.06	NA	Flared	8:44 AM	10:28 AM	1.73	Malfunction	CT VRUs faulted and caused the tow	
2/15/2024	Firethorn	Tripod HP Tip	203.33	NA	Flared	7:53 AM	9:14 AM	1.35	Malfunction	CT VRUs faulted and caused the tow	
2/16/2024	Firethorn	Tripod HP Tip	84.18	NA	Flared	2:10 AM	3:44 PM	13.57	Malfunction/Flared more than 8 HRs	CT VRUs faulted and caused the tow	
2/17/2024	Firethorn	Tripod HP Tip	65.50	NA	Flared	1:52 PM	2:56 PM	1.07	Malfunction	CT VRUs faulted and caused the tow	
2/18/2024	Firethorn	LP Flare Estimation Sheet - Tripod Flare	189.69	NA	Flared	12:02 AM	2:09 PM	11.07	Flared more than 8 HRs	Contact Tower pressured up a few ti	
2/21/2024	Amen Corner	HP Flare - VRU Discharge	92.42	NA	Flared	12:00 AM	11:00 PM	14.94	Flared more than 8 HRs	Facility got O2 in the tanks and was s	
2/21/2024	Amen Corner	LP Flare Estimation Sheet - Tank Pressure, Valve Status	72.86	NA	Flared	9:42 AM	10:33 PM	4.31	Oxygen	Sales blower was switched off later i	
2/22/2024	Amen Corner	HP Flare - VRU Discharge	51.41	NA	Flared	12:00 AM	3:06 PM	8.85	Flared more than 8 HRs	Facility got O2 in the tanks and was s	
2/24/2024	Amen Corner	HP Flare - VRU Discharge	73.84	NA	Flared	11:39 AM	11:45 PM	12.34	Flared more than 8 HRs	Facility is getting O2 spikes from the	
2/25/2024	Amen Corner	HP Flare - VRU Discharge	59.48	NA	Flared	12:00 AM	10:44 AM	10.76	Flared more than 8 HRs	Facility is getting O2 spikes from the	



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
District IV
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 347169

DEFINITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 347169
	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.
--

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
District IV
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 347169

QUESTIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 347169
	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	Unavailable.
Incident Facility	[fAPP2203927141] PINE STRAW

Determination of Reporting Requirements Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.	
Was this vent or flare caused by an emergency or malfunction	No
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/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 venting and/or flaring that is or may be a major or minor release under 19.15.29.7 NMAC.	
Was there at least 50 MCF of natural gas vented and/or flared during this event	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.	
Methane (CH4) percentage	57
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (C02) percentage, if greater than one percent	1
Oxygen (O2) 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 (O2) percentage quality requirement	Not answered.

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
District IV
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, Page 2
Action 347169

QUESTIONS (continued)

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 347169
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	02/06/2024
Time vent or flare was discovered or commenced	12:21 AM
Time vent or flare was terminated	11:48 PM
Cumulative hours during this event	12

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: 73 Mcf Recovered: 0 Mcf Lost: 73 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 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	
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	Sales blowers are currently switched off since tank blanketing system is not working and it can potentially introduce O2 into the system. This is causing the tanks to pressure up and flare.
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 establish EHS control room to tackle any flaring cause in the shortest possible time.

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

District IV
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

ACKNOWLEDGMENTS

Action 347169

ACKNOWLEDGMENTS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 347169
	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.
☒	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.
☒	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.
☒	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 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

District IV
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 347169

CONDITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 347169
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
cscayu	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.	5/23/2024