

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

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

Sample: Golden Bell Satellite

Scrubber Meter Run
 Spot Gas Sample @ 78 psig & 87°F

Date Sampled: 07/07/2023

Job Number: 232591.027

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286

Un-Normalized			
COMPONENT	Mol%	MOL%	GPM
Hydrogen Sulfide*	-----	0.280	
Oxygen	0.003	0.003	
Nitrogen	1.189	1.209	
Carbon Dioxide	1.311	1.333	
Methane	74.227	75.477	
Ethane	10.558	10.735	2.940
Propane	5.783	5.880	1.659
Isobutane	0.895	0.910	0.305
n-Butane	2.062	2.097	0.677
2-2 Dimethylpropane	0.010	0.010	0.004
Isopentane	0.585	0.594	0.222
n-Pentane	0.536	0.545	0.202
Hexanes	0.401	0.408	0.172
Heptanes Plus	<u>0.509</u>	<u>0.519</u>	<u>0.210</u>
Totals	98.069	100.000	6.391

Computed Real Characteristics Of Heptanes Plus:

Specific Gravity ----- 3.303 (Air=1)
 Molecular Weight ----- 95.27
 Gross Heating Value ----- 5105 BTU/CF

Computed Real Characteristics Of Total Sample:

Specific Gravity ----- 0.776 (Air=1)
 Compressibility (Z) ----- 0.9959
 Molecular Weight ----- 22.37
 Gross Heating Value
 Dry Basis ----- 1326 BTU/CF
 Saturated Basis ----- 1303 BTU/CF

*Hydrogen Sulfide tested on location by: Stain Tube Method (GPA 2377)
 Results: 176.1 Gr/100 CF, 2800 PPMV or 0.280 Mol %

Base Conditions: 15.025 PSI & 60 Deg F

Sampled By: (16) D. Field

Certified: FESCO, Ltd. - Alice, Texas

Analyst: AL

Processor: HB

Cylinder ID: T-6219

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286
TOTAL REPORT

COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	0.280		0.427
Oxygen	0.003		0.004
Nitrogen	1.209		1.514
Carbon Dioxide	1.333		2.622
Methane	75.477		54.122
Ethane	10.735	2.940	14.427
Propane	5.880	1.659	11.589
Isobutane	0.910	0.305	2.364
n-Butane	2.097	0.677	5.448
2,2 Dimethylpropane	0.010	0.004	0.032
Isopentane	0.594	0.222	1.915
n-Pentane	0.545	0.202	1.757
2,2 Dimethylbutane	0.005	0.002	0.019
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.044	0.018	0.169
2 Methylpentane	0.129	0.055	0.497
3 Methylpentane	0.080	0.033	0.308
n-Hexane	0.150	0.063	0.578
Methylcyclopentane	0.067	0.024	0.252
Benzene	0.051	0.015	0.178
Cyclohexane	0.082	0.029	0.308
2-Methylhexane	0.019	0.009	0.085
3-Methylhexane	0.023	0.011	0.103
2,2,4 Trimethylpentane	0.010	0.005	0.051
Other C7's	0.039	0.017	0.173
n-Heptane	0.038	0.018	0.170
Methylcyclohexane	0.059	0.024	0.259
Toluene	0.044	0.015	0.181
Other C8's	0.040	0.019	0.197
n-Octane	0.011	0.006	0.056
Ethylbenzene	0.003	0.001	0.014
M & P Xylenes	0.008	0.003	0.038
O-Xylene	0.002	0.001	0.009
Other C9's	0.014	0.007	0.079
n-Nonane	0.003	0.002	0.017
Other C10's	0.005	0.003	0.032
n-Decane	0.001	0.001	0.006
Undecanes (11)	<u>0.000</u>	<u>0.000</u>	<u>0.000</u>
Totals	100.000	6.391	100.000

Computed Real Characteristics of Total Sample

Specific Gravity ----- 0.776 (Air=1)
 Compressibility (Z) ----- 0.9959
 Molecular Weight ----- 22.37

Gross Heating Value

Dry Basis ----- 1326 BTU/CF
 Saturated Basis ----- 1303 BTU/CF

Sample Date: 07/07/2023

Sample Time: 08:40

Analysis Date: 07/10/2023

Analysis Time: 15:44

Sample Pressure: 78 psig

Sample Temp: 87 °F

Sampling Flow Rate: N/A MCF/D

Ambient Air Temp: 76 °F

Heating Method Utilized: Yes

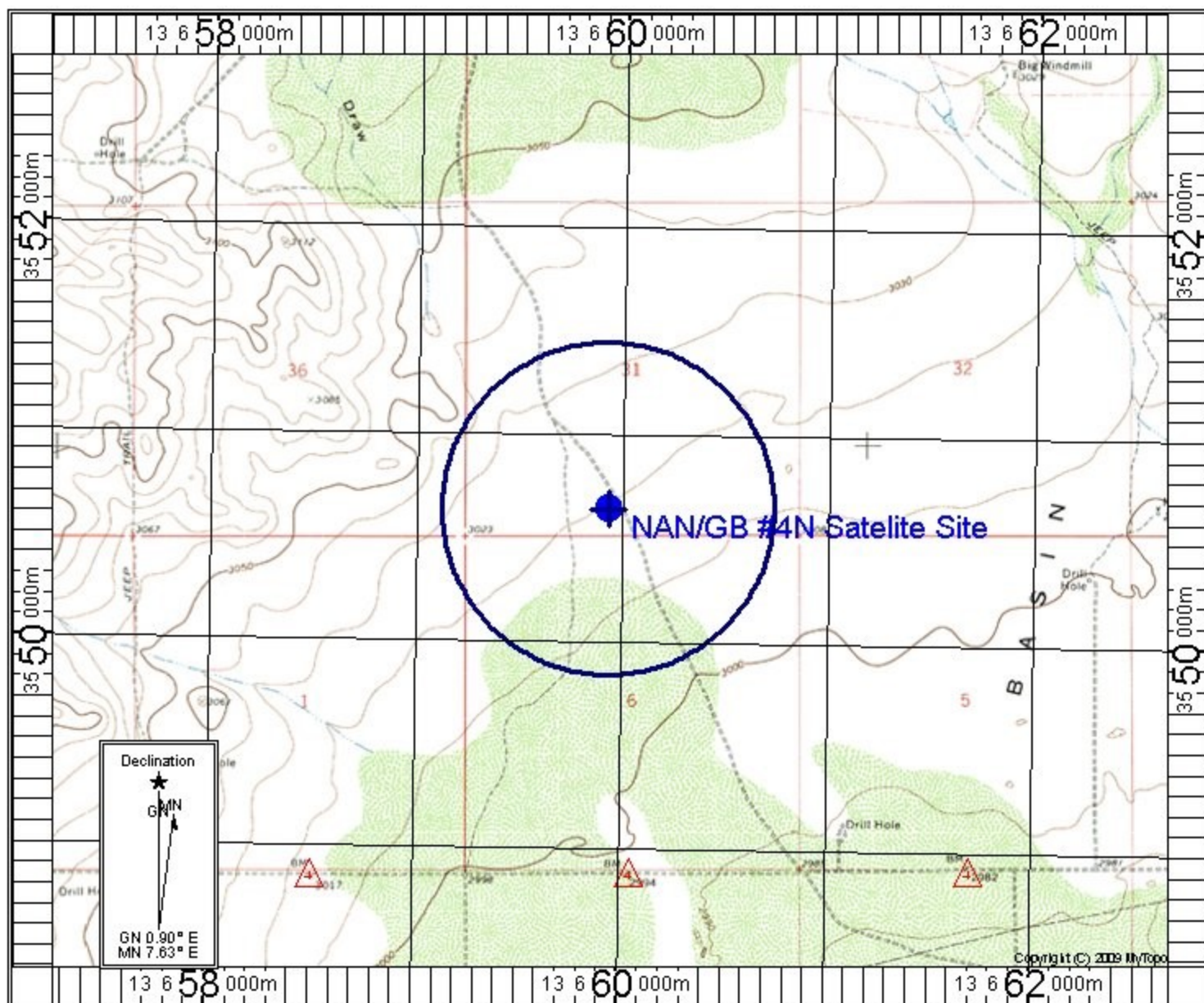
Sampling Method: Fill & Empty

Device: (GC) S14

Make & Model: Shimadzu GC 2014

Last Verification Date: 07/06/2023

10/1/2023	Nan 1.5N	HP Flare	240.71	9:22 AM	11:01 PM	0.11	Malfunction	Pinion has been having Compressor/Line Foaming Issues so the	Non-Scheduled Maintenance or Malfunction
10/1/2023	Nandina	VRU Discharge	473.14	12:01 AM	11:05 PM	22.29	Flared more than 8 HRs	We were getting constant O2 spikes from past events (VAC true	Natural Gas Not Suitable for Transportation or Processing (O2)
10/1/2023	Pinestraw	VRU Discharge	263.42	12:00 AM	10:56 PM	24.00	Flared more than 8 HRs	VRU gas was going to flare till the O2 tech would come calibrate	Natural Gas Not Suitable for Transportation or Processing (O2)
10/1/2023	Red Bud	LP - Vent flare/Blower Flare	61.91	12:06 AM	4:22 PM	12.10	Flared more than 8 HRs	Control room pushed oil into the tanks so they were being purg	Natural Gas Not Suitable for Transportation or Processing (O2)
10/2/2023	Nandina	VRU Discharge	434.53	12:02 AM	11:30 PM	21.95	Flared more than 8 HRs	We were getting constant O2 spikes from past events (VAC true	Natural Gas Not Suitable for Transportation or Processing (O2)
10/2/2023	Pinestraw	HP Flare	668.50	9:56 AM	11:52 PM	2.75	Oxygen	To keep this reason simple, the heater had flooded out and the	Natural Gas Not Suitable for Transportation or Processing (O2)
10/2/2023	Pinestraw	VRU Discharge	105.27	12:00 AM	9:28 AM	9.90	Flared more than 8 HRs	VRU gas was going to flare till the O2 tech would come calibrate	Natural Gas Not Suitable for Transportation or Processing (O2)
10/3/2023	Azalea	HP Flare	625.38	12:16 PM	11:37 PM	0.31	Malfunction	Azalea 121 Separator had to serviced so gas was sent to flare to	Non-Scheduled Maintenance or Malfunction
10/3/2023	Nandina	VRU Discharge	288.97	12:01 AM	11:19 PM	16.27	Flared more than 8 HRs	We were getting constant O2 spikes from past events (VAC true	Natural Gas Not Suitable for Transportation or Processing (O2)
10/3/2023	Pinestraw	HP Flare	955.77	12:15 AM	11:50 PM	3.96	Malfunction	To keep this reason simple, the heater had flooded out and the	Natural Gas Not Suitable for Transportation or Processing (O2)
10/3/2023	Red Bud	VRU Discharge	478.72	7:33 AM	11:51 PM	14.87	Flared more than 8 HRs	Facility was getting O2 spikes after the tank blower gas was ser	Natural Gas Not Suitable for Transportation or Processing (O2)
10/4/2023	Azalea	HP Flare	1157.72	12:37 PM	11:37 PM	1.74	Malfunction	According to CR, the Azalea separator had to serviced again bec	Non-Scheduled Maintenance or Malfunction
10/4/2023	Nan 1.5N	HP Flare	134.89	7:25 AM	10:37 PM	0.10	Malfunction	Pinion has been having Compressor/Line Foaming Issues so the	Non-Scheduled Maintenance or Malfunction
10/4/2023	Nandina	VRU Discharge	248.53	12:01 AM	11:02 PM	12.95	Flared more than 8 HRs	We were getting constant O2 spikes from past events (VAC true	Natural Gas Not Suitable for Transportation or Processing (O2)
10/4/2023	Pinestraw	HP Flare	613.81	12:03 AM	3:52 PM	2.30	Malfunction	To keep this reason simple, the heater had flooded out and the	Natural Gas Not Suitable for Transportation or Processing (O2)
10/4/2023	Pinestraw	VRU Discharge	240.38	12:07 AM	4:21 PM	15.65	Flared more than 8 HRs	VRU gas was going to flare till the O2 tech would come calibrate	Natural Gas Not Suitable for Transportation or Processing (O2)
10/4/2023	Red Bud	VRU Discharge	310.22	12:00 AM	4:22 PM	9.53	Flared more than 8 HRs	Facility was getting O2 spikes after the tank blower gas was ser	Natural Gas Not Suitable for Transportation or Processing (O2)
10/5/2023	Amen Corner	LP - Vent flare/Blower Flare	100.65	12:00 AM	1:02 PM	8.07	Flared more than 8 HRs	VRUs kept faulting on high discharge due to the orifice plate siz	Insufficient Availability or Capacity
10/5/2023	Azalea	HP Flare	80.34	12:38 AM	9:16 AM	0.59	Oxygen	Seperator was still purging till early morning	Natural Gas Not Suitable for Transportation or Processing (O2)
10/5/2023	Nandina	VRU Discharge	355.25	12:00 AM	11:08 PM	21.42	Flared more than 8 HRs	We were getting constant O2 spikes from past events (VAC true	Natural Gas Not Suitable for Transportation or Processing (O2)
10/6/2023	Nan 1.5N	HP Flare	74.31	8:27 AM	8:48 AM	0.09	Insufficient Availability	Pinion has been having Compressor/Line Foaming Issues so the	Insufficient Availability or Capacity
10/6/2023	Nandina	VRU Discharge	270.67	12:44 AM	10:10 PM	15.18	Flared more than 8 HRs	We were getting constant O2 spikes from past events (VAC true	Natural Gas Not Suitable for Transportation or Processing (O2)
10/7/2023	Amen Corner	LP - Vent flare/Blower Flare	51.17	12:18 AM	10:50 AM	4.10	Insufficient Availability	VRUs kept faulting on high discharge due to the orifice plate siz	Insufficient Availability or Capacity
10/7/2023	Nandina	VRU Discharge	64.05	5:30 AM	3:47 PM	3.28	Oxygen	We were getting constant O2 spikes from past events (VAC true	Natural Gas Not Suitable for Transportation or Processing (O2)
10/11/2023	Nan 1.5N	HP Flare	82.70	10:49 AM	9:31 PM	0.62	Insufficient Availability	Pinion lost Whitehorse so gas had to flared	Insufficient Availability or Capacity



Map Name: JAVELINA BASIN

Horizontal Datum: WGS84

Print Date: 04/18/22

Scale: 1 inch = 2,500 ft.

Map Center: 13 0659928 E 3550642 N

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 275464

DEFINITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 275464
	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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QUESTIONS

Action 275464

QUESTIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 275464
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Prerequisites <i>Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.</i>	
Incident Well	Unavailable.
Incident Facility	[fAPP2304126884] NAN/GB 4N Satellite

Determination of Reporting Requirements <i>Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.</i>	
Was this vent or flare caused by an emergency or malfunction	Yes
Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event	No
Is this considered a submission for a vent or flare event	Yes, minor venting and/or flaring of natural gas.
<i>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.</i>	
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 within 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 <i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	75
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	1
Oxygen (O2) percentage, if greater than one percent	0
<i>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</i>	
Methane (CH4) percentage quality requirement	Not answered.
Nitrogen (N2) percentage quality requirement	Not answered.
Hydrogen Sulfide (H2S) PPM quality requirement	Not answered.
Carbon Dioxide (CO2) percentage quality requirement	Not answered.
Oxygen (O2) percentage quality requirement	Not answered.

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QUESTIONS, Page 2

Action 275464

QUESTIONS (continued)

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 275464
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	10/01/2023
Time vent or flare was discovered or commenced	09:22 AM
Time vent or flare was terminated	11:01 PM
Cumulative hours during this event	0

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Equipment Failure Pipeline (Any) Natural Gas Flared Released: 241 Mcf Recovered: 0 Mcf Lost: 241 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	Yes
Was notification of downstream activity received by this operator	No
Downstream OGRID that should have notified this operator	[330718] Pinon Midstream LLC
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	Pinon has been having Compressor/Line Foaming Issues so they have been cutting down our rate because of that.
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 will ask Pinon to notify us of cutting rate on us next time.

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ACKNOWLEDGMENTS

Action 275464

ACKNOWLEDGMENTS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 275464
	Action Type: [C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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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CONDITIONS

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Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 275464
	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.	10/13/2023