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	0.669	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

Job Number: 232371.021

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286 TOTAL REPORT

(COMPONENT	MOL %	GPM		WT %
ı	Hydrogen Sulfide*	0.750			1.088
(Oxygen	0.002			0.003
I	Nitrogen	1.082			1.291
(Carbon Dioxide	1.294			2.425
I	Methane	72.593			49.584
ı	Ethane	10.956	3.002		14.027
ı	Propane	6.732	1.900		12.639
-	Isobutane	1.194	0.400		2.955
ı	n-Butane	2.634	0.851		6.518
2	2,2 Dimethylpropane	0.013	0.005		0.040
ı	Isopentane	0.827	0.310		2.540
ı	n-Pentane	0.706	0.262		2.169
2	2,2 Dimethylbutane	0.011	0.005		0.040
(Cyclopentane	0.000	0.000		0.000
2	2,3 Dimethylbutane	0.060	0.025		0.220
2	2 Methylpentane	0.179	0.076		0.657
;	3 Methylpentane	0.116	0.048		0.426
ı	n-Hexane	0.209	0.088		0.767
I	Methylcyclopentane	0.083	0.030		0.297
I	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
١	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			
,			0.815	(Air=1)	
			0.9954	(, 111 – 1)	
			23.49		
	Gross Heating Value		20.70		
•			1384	BTU/CF	
	Dry Dasis	_	1004	510/01	

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 Released to Imaging: 15ampling Flow Rate; 3204 MCF/D Ambient Air Temp: 85 °F

1361 BTU/CF

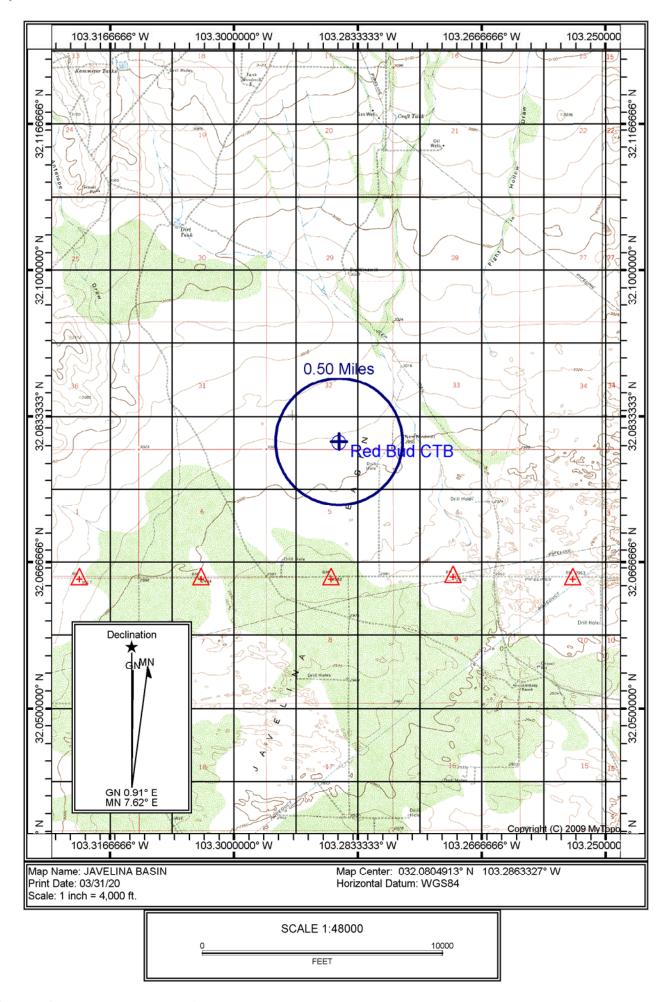
Heating Method Utilized: Yes

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

Make & Model: Shimadzu GC 2014

Last Verification Date: 06/08/2023

Received by OCD: 12/1	^{2/} 2023 9:24:40 AM ▼	Facility#	Date (C-129 Was Filed) ▼	Date (Flaring Discovered)	Date Flaring Occurred •	Location	Flare Source Equipment	Gas Volume (MCF)	Flared or Vented		End Time of the flare event	Flare Duration (hr)	C129 Filing Reason	Page 3 of 9 FI
(IRDJ-231207-C-129A	nAPP2332823810	fAPP2203927141	12/7/2023	11/11/2023	11/10/2023	Pinestraw	VRU Discharge	178.14	Flared	12:00 AM	11:48 PM	20.17	Flared more than 8 HRs	Continued O2 flaring from
K0SO-231207-C-129A	nAPP2332824279	fAPP2203928043	12/7/2023	11/11/2023	11/10/2023	Red Bud	VRU Discharge	476.82	Flared	8:43 AM	11:39 PM	13.95	Flared more than 8 HRs	O2 was detected at 8:43 AM
NA	NA	NA	NA	11/12/2023	11/11/2023	Nan 1.5N	HP Flare	135.23	Flared	9:57 AM	10:40 PM	0.13	Insufficient Availability	Flaring occurred to due to l
VYGU-231126-C-1290	nAPP2333068403	fAPP2203927141	11/26/2023	11/12/2023	11/11/2023	Pinestraw	VRU Discharge	184.95	Flared	12:48 AM	3:00 PM	11.15	Flared more than 8 HRs	Continued O2 flaring from
H2IE-231207-C-129A	nAPP2331641317	fAPP2203928043	12/7/2023	11/12/2023	11/11/2023	Red Bud	VRU Discharge	889.96	Flared	12:00 AM	11:23 PM	22.83	Flared more than 8 HRs	Continued O2 flaring from
107JG-231207-C-129A	nAPP2333156535	fAPP2203846035	12/7/2023	11/13/2023	11/12/2023	Amen Corner	VRU Discharge	130.75	Flared	12:00 AM	8:16 PM	14.12	Flared more than 8 HRs	O2 was detected and sent
X29C-231207-C-129A	nAPP2331749209	fAPP2203928043	12/7/2023	11/13/2023	11/12/2023	Red Bud	VRU Discharge	1122.19	Flared	12:00 AM	11:57 PM	22.72	Flared more than 8 HRs	Continued O2 flaring from
NA	NA	NA	NA	11/14/2023	11/13/2023	Amen Corner	VRU Discharge	80.69	Flared	6:58 AM	11:01 PM	4.03	Oxygen	Note: Flare amount is an e
NA	NA	NA	NA	11/14/2023	11/13/2023	Red Bud	VRU Discharge	289.78	Flared	12:00 AM	8:46 PM	6.68	Oxygen	We were getting high O2 fi
175VU-231128-C-1290	nAPP2333354438	fAPP2203846035	12/10/2023	11/15/2023	11/14/2023	Amen Corner	VRU Discharge	509.70	Flared	1:33 AM	11:42 PM	25.49	Flared more than 8 HRs	Note: Flare amount is an e
IQ34D-231201-C-1290	nAPP2333555019	fAPP2203846035	12/10/2023	11/16/2023	11/15/2023	Amen Corner	VRU Discharge	65.67	Flared	12:00 AM	11:03 AM	3.28	Flared more than 8 HRs	Note: Flare amount is an e
				12/6/2023	11/15/2023	Nandina	VRU Discharge	52.13	Flared			2.83	Oxygen	There was an Acid Job takii
NA	NA	NA	NA	11/17/2023	11/16/2023	Nan 1.5N	HP Flare	163.33	Flared	3:54 PM	7:42 PM	0.45	Insufficient Availability	Pinion was shut in so line p
NA	NA	NA	NA	11/17/2023	11/16/2023	Pinestraw	HP Flare	75.96	Flared	12:19 PM	5:13 PM	3.55	Insufficient Availability	Pinion was shut in so line p
NA	NA	NA	NA	11/17/2023	11/16/2023	Red Bud	HP Flare	56.73	Flared	4:27 PM	9:21 PM	1.32	Insufficient Availability	Pinion was shut in so line p
BWCN-231201-C-1290	nAPP2333555774	fAPP2203927141	12/1/2023	11/17/2023	11/16/2023	Pinestraw	VRU Discharge	118.78	Flared	12:02 AM	8:15 AM	8.38	Flared more than 8 HRs	We don't have comms wit
NA	NA	NA	NA	11/17/2023	11/16/2023	Red Bud	VRU Discharge	112.92	Flared	12:00 AM	4:16 PM	4.95	Oxygen	VAC truck pushed into the
NA	NA	NA	NA	11/18/2023	11/17/2023	Nandina	LP - Vent flare/Blower Flare	107.48	Flared	4:36 AM	8:46 AM	5.63	Repair/Maintenance	Oxygen analyzer was servi
K570-231206-C-129A	nAPP2331427967	fAPP2203846035	12/6/2023	12/6/2023	11/17/2023	Amen Corner	VRU Discharge	110.58	Flared	12:24 AM	8:32 PM	8.37	Flared more than 8 HRs	O2 issues at Hila, all faciliti
99PR-231202-C-1290	nAPP2333679787	fAPP2203927141	12/2/2023	11/18/2023	11/17/2023	Pinestraw	VRU Discharge	410.86	Flared	2:38 AM	11:48 PM	19.37	Flared more than 8 HRs	Getting large O2 spikes so
F7EF-231202-C-129A	nAPP2332456176	fAPP2203928043	12/2/2023	11/18/2023	11/17/2023	Red Bud	VRU Discharge	523.35	Flared	6:13 AM	10:48 PM	11.85	Flared more than 8 HRs	Hila got hit with oxygen, V
NA	NA	NA	NA	11/19/2023	11/18/2023	Nandina	LP - Vent flare/Blower Flare	57.58	Flared	1:35 PM	11:52 PM	4.18	Oxygen	O2 tested heater 2 and bro
YJQN-231207-C-1290	nAPP2334175976	fAPP2203856979	12/7/2023	12/6/2023	11/18/2023	Nandina	VRU Discharge	197.92	Flared	1:06 PM	11:16 PM	10.95	Flared more than 8 HRs	Hila got hit with oxygen, V
NA	NA	NA	NA	11/19/2023	11/18/2023	Pinestraw	VRU Discharge	99.55	Flared	12:00 AM	3:02 AM	2.82	Oxygen	Getting large O2 spikes so
NA	NA	NA	NA	11/20/2023	11/19/2023	Nandina	LP - Vent flare/Blower Flare	52.08	Flared	12:05 AM	10:56 AM	3.78	Malfunction	Blower Faulted on High Dis
NA	NA	NA	NA	11/20/2023	11/19/2023	Amen Corner	VRU Discharge	148.01	Flared	12:00 AM	7:24 AM	7.40	Oxygen	O2 issues at Hila, all faciliti
NA	NA	NA	NA	11/20/2023	11/19/2023	Nandina	VRU Discharge	63.58	Flared	12:03 AM	5:06 AM	3.55	Oxygen	Hila got hit with oxygen, V
6H4R-231207-C-1290	nAPP2334176584	fAPP2203846035	12/7/2023	12/6/2023		Amen Corner	VRU Discharge	182.35	Flared	12:00 AM	11:33 PM	9.12	Flared more than 8 HRs	O2 issues at Hila, all faciliti
NA	NA	NA	NA	11/21/2023	11/20/2023	Nandina	VRU Discharge	50.97	Flared	5:48 AM	11:00 AM	5.37	Oxygen	Hila got hit with oxygen, V
NA	NA	NA	NA	11/21/2023	11/20/2023	Pinestraw	VRU Discharge	70.07	Flared	5:51 AM	9:15 AM	3.45	Oxygen	Hila got hit with oxygen, V
KTCO-231207-C-1290	nAPP2334177191	fAPP2203928043	12/7/2023	12/6/2023	11/20/2023	Red Bud	VRU Discharge	467.02	Flared	5:52 AM	5:21 PM	11.50	Flared more than 8 HRs	Hila got hit with oxygen, V
NA Delegrada Ingrison	NA 2/12/2022 0-20-20	NA NA	NA	11/22/2023	11/21/2023	Pinestraw	VRU Discharge	95.61	Flared	11:44 AM	3:55 PM	4.33	Oxygen	Oxygen detected VRUs ser
Released to Imaging: 1	2/12/2023 9 :30:20 A	M NA	NA	11/23/2023	11/22/2023	Nan 1.5N	HP Flare	329.35	Flared	4:57 PM	11:51 PM	0.62	Insufficient Availability	Pinion was shut in so line p
***			***	44 /00 /0000	44 /00 /0000	0 10 1	unel	400.00	et i	4.04.044	44 50 044	0.60	1 100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	e do Lor



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 293454

DEFINITIONS

Operator:	OGRID:		
AMEREDEV OPERATING, LLC	372224		
2901 Via Fortuna	Action Number:		
Austin, TX 78746	293454		
	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.

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 293454

Q	UESTIONS			
Operator:		OGRID:		
AMEREDEV OPERATING, LLC		372224		
2901 Via Fortuna Austin, TX 78746		Action Number: 293454		
		Action Type: [C-129] Venting and/or Flaring (C-129)		
QUESTIONS		[6 :20] ************************************		
Prerequisites				
Any messages presented in this section, will prevent submission of this application. Please resolve to	these issues before continuing wit	h the rest of the questions.		
Incident Well	Unavailable.			
Incident Facility	[fAPP2203928043] Red Bu	nd .		
Determination of Reporting Requirements				
Answer all questions that apply. The Reason(s) statements are calculated based on your answers at	nd may provide addional 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 v	enting and/or flaring that is or may	the 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	and a major or minor rotated and at rotto.		
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	T			
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	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	ifications 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 (02) percentage quality requirement	Not answered.			

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1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

> 2901 Via Fortuna Austin, TX 78746

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

AMEREDEV OPERATING, LLC

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 293454

QUESTIONS (continued)	
	OGRID:
	372224
	Action Number:

293454 Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Operator:

Date(s) and Time(s)				
Date vent or flare was discovered or commenced	11/28/2023			
Time vent or flare was discovered or commenced	12:01 AM			
Time vent or flare was terminated	11:15 PM			
Cumulative hours during this event	24			

The second of Father to the latest the Florida National Co.				
Measured or Estimated Volume of Vented or Flared Natural Gas				
Natural Gas Vented (Mcf) Details	Not answered.			
Natural Gas Flared (Mcf) Details	Cause: Midstream Emergency Maintenance Gas Compressor Station Natural Gas Flared Released: 85 Mcf Recovered: 0 Mcf Lost: 85 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	Pinion is out of service so gas was sent to 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	Our midstream buyer was on fire.			

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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**

ACKNOWLEDGMENTS

Action 293454

ACKNOWLEDGMENTS

Operator:	OGRID:	
AMEREDEV OPERATING, LLC	372224	
2901 Via Fortuna	Action Number:	
Austin, TX 78746	293454	
	Action Type:	
	[C-129] Venting and/or Flaring (C-129)	

ACKNOWLEDGMENTS

>	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.
~	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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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 293454

CONDITIONS

Operator:	OGRID:
AMEREDEV OPERATING, LLC	372224
2901 Via Fortuna	Action Number:
Austin, TX 78746	293454
	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.	12/12/2023