



5530 Marshall Street
Arvada, Colorado 80002
Phone: 303-420-5949
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EXTENDED GAS ANALYSIS

SAMPLE DATA

PROJECT NO..... OGL-2025-0277
COMPANY NAME..... Chevron U.S.A. Inc.
SITE..... Dagger Lake CS
UNIT ID..... Inlet Separator (V-101)
SAMPLED BY..... MJW

SAMPLE ID..... Gas
ANALYSIS DATE..... 4/22/2025
SAMPLE DATE..... 4/17/2025
CYLINDER NO..... GV-81
LAB ANALYST..... AJM

FIELD DATA

SAMPLE PRESSURE..... 75 psig
AMBIENT PRESSURE..... 12.8 psi

SAMPLE TEMP..... 87 F
AMBIENT TEMP..... 102 F

COMMENTS:

LABORATORY DATA

COMPONENT	MOLE %	WT%	GPM
HYDROGEN SULFIDE.....	0.0000	0.0000	0.0000
CARBON DIOXIDE.....	8.8198	16.2928	1.5072
NITROGEN.....	2.8238	3.3204	0.3111
METHANE.....	67.6943	45.5843	11.4913
ETHANE.....	11.0372	13.9306	2.9556
PROPANE.....	5.9264	10.9692	1.6349
ISOBUTANE.....	0.7587	1.8510	0.2486
N-BUTANE.....	1.7595	4.2927	0.5554
ISOPENTANE.....	0.3925	1.1886	0.1437
N-PENTANE.....	0.3781	1.1449	0.1372
CYCLOPENTANE.....	0.0279	0.0823	0.0083
N-HEXANE.....	0.0659	0.2384	0.0271
CYCLOHEXANE.....	0.0385	0.1361	0.0131
OTHER HEXANES.....	0.1514	0.5448	0.0605
HEPTANES.....	0.0342	0.1435	0.0156
METHYLCYCLOHEXANE.....	0.0164	0.0674	0.0066
2,2,4 TRIMETHYLPENTANE.....	0.0001	0.0003	0.0000
BENZENE.....	0.0237	0.0778	0.0066
TOLUENE.....	0.0054	0.0209	0.0018
ETHYLBENZENE.....	0.0002	0.0011	0.0001
XYLENES.....	0.0004	0.0019	0.0002
OCTANES.....	0.0105	0.0499	0.0051
NONANES.....	0.0012	0.0066	0.0007
DECANES.....	0.0020	0.0116	0.0012
SUBTOTAL	99.9682	99.9573	19.1319
OXYGEN/ARGON	0.0318	0.0427	0.0028
TOTAL	100.00	100.00	19.13

BTU @

MOLECULAR WEIGHT.....	23.8237	NET DRY REAL	1053.0940 /scf
RELATIVE DENSITY (AIR=1).....	0.8226		
COMPRESSIBILITY FACTOR.....	0.9961	GROSS DRY REAL	1163.3773 /scf
		GROSS WET REAL	1142.9295 /scf

ANALYTICAL PROCEDURES TAKEN FROM GPA 2286-95

Component			MW	CALC	Emissions [lbs/hr]	[Kg/hr]
Water		0	18.02	0	0.00	0.00
Hydrogen Sulfide (H2S) mol%		0.001	34.08	8.98024E-07	0.02	0.01
Nitrogen (N2) mol%		1.7594	28.01	0.001298572	31.92	14.47
Carbon Dioxide (CO2) mol%		7.3974	44.01	0.008578645	210.85	95.62
Methane (CH4) mol%		73.2991	16.04	0.0309807	762.71	345.90
Ethane (C2H6) mol%		9.1512	30.07	0.00725103	178.22	80.82
Propane (C3H8) mol%		4.5755	44.09	0.005315779	130.65	59.25
iso-Butane (C4H10) mol%		0.5579	58.12	0.000854418	21.00	9.52
N-Butane (C4H10) mol%		1.3214	58.12	0.002023709	49.74	22.56
iso-Pentane (C5H12) mol%		0.3735	72.15	0.000710093	17.45282976	7.915115537
n-Pentane (C5H12) mol%		0.4063	72.15	0.000772452	18.98550129	8.610204666
Hexanes (C6H14) mol%		0.2652	86.17	0.000602168	14.80	6.712123361
cyclohexane		0	86.17	0	0	0
methylcyclohexane		0	86.17	0	-	0
Heptanes + (C7H16) mol%		0.5956	100.2	0.001572572	38.65105222	17.52882187
(Octanes under Heptanes+)			100.2	0	0	0
2,2,4-Trimethylpentane (C8H18) mol%		0.0072	114.22	2.16702E-05	0.532615208	0.241548847
n-Hexane (C6H14) mol%		0.1479	86.17	0.000335825	8.253975545	3.743299567
Benzene (C6H6) mol%		0.0368	78.11	7.5743E-05	1.861629993	0.844276641
Ethyl-Benzene (C8H10) mol%		0.0124	106.16	3.46873E-05	0.85	0.39
Xylene (C8H10) mol%		0.0264	106.16	7.38504E-05	1.82	0.82
Toluene (C7H8) mol%		0.0666	92.13	0.000161683	3.97	1.80
Gas Sample Total mol%		100.0008				

[illegible]

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General Information
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Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

DEFINITIONS

Action 500287

DEFINITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 500287
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

DEFINITIONS

<p>For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application:</p> <ul style="list-style-type: none">• 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 500287

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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 ID (n#)	Unavailable.
Incident Name	Unavailable.
Incident Type	Flare
Incident Status	Unavailable.
Incident Facility	[fAPP2213779829] Dagger Lake Section 4 Compressor Station
<i>Only valid Vent, Flare or Vent with Flaring incidents (selected above in the Application Details section) that are assigned to your current operator can be amended with this C-129A application.</i>	

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, major 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	Gas Compressor Station
Additional details for Equipment Involved. Please specify	Compressor 805 had a gas cooler pack channel rupture

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	66
Nitrogen (N2) percentage, if greater than one percent	3
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	11
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 500287

QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	08/02/2025
Time vent or flare was discovered or commenced	08:00 PM
Time vent or flare was terminated	10:00 PM
Cumulative hours during this event	2

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Equipment Failure Gas Compressor Station Natural Gas Vented Released: 590 Mcf Recovered: 0 Mcf Lost: 590 Mcf.
Natural Gas Flared (Mcf) Details	Not answered.
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	
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	This event was caused by sudden and unexpected rupture of a cooler channel and could not be predicted.
Steps taken to limit the duration and magnitude of vent or flare	Compressor was shut down and isolated so 3rd party rental company could repair.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Corrective measures focused on reducing gas production as quickly and safely as possible to minimize the duration and volume of gas vented. Reportable quantities, process knowledge, excel spreadsheet, metered volumes, and gas analysis were used in the calculations.

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ACKNOWLEDGMENTS

Action 500287

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ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that with this application I will be amending an existing incident file (assigned to this operator) for a vent or flare event, pursuant to 19.15.27 and 19.15.28 NMAC.
<input checked="" type="checkbox"/>	I acknowledge that amending an incident file does not replace original submitted application(s) or information and understand that any C-129 forms submitted to the OCD will be logged and stored as public record.
<input checked="" type="checkbox"/>	I hereby certify the statements in this amending 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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CONDITIONS

Created By	Condition	Condition Date
bbauman	If the information provided in this report requires further amendment(s), submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	8/28/2025