

October 3, 2022

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

Sample: Cypress 8H
First Stage Separator
Spot Gas Sample @ 133 psig & 93 °F

Date Sampled: 08/30/2022

Job Number: 223028.001

GLYCALC FORMAT

COMPONENT	MOL%	GPM	Wt %
Carbon Dioxide	0.103		0.212
Hydrogen Sulfide	< 0.001		< 0.001
Nitrogen	1.196		1.567
Methane	77.525		58.165
Ethane	11.754	3.218	16.530
Propane	5.520	1.557	11.384
Isobutane	0.738	0.247	2.006
n-Butane	1.709	0.554	4.667
Isopentane	0.405	0.152	1.367
n-Pentane	0.455	0.169	1.535
Cyclopentane	0.000	0.000	0.000
n-Hexane	0.111	0.047	0.447
Cyclohexane	0.050	0.017	0.197
Other C6's	0.163	0.069	0.657
Heptanes	0.139	0.060	0.615
Methylcyclohexane	0.044	0.018	0.202
2,2,4 Trimethylpentane	0.009	0.005	0.048
Benzene	0.007	0.002	0.026
Toluene	0.009	0.003	0.039
Ethylbenzene	0.001	0.000	0.005
Xylenes	0.004	0.002	0.020
Octanes Plus	<u>0.058</u>	<u>0.029</u>	<u>0.311</u>
Totals	100.000	6.147	100.000

Real Characteristics Of Octanes Plus:

Specific Gravity ----- 3.966 (Air=1)
Molecular Weight ----- 114.43
Gross Heating Value ----- 5967 BTU/CF

Real Characteristics Of Total Sample:

Specific Gravity ----- 0.741 (Air=1)
Compressibility (Z) ----- 0.9962
Molecular Weight ----- 21.38
Gross Heating Value
Dry Basis ----- 1307 BTU/CF
Saturated Basis ----- 1285 BTU/CF

Flaring/Venting Event Volume (MCF):	125
Flare or vent:	Vent
Date discovered:	3/12/2025
Date of event:	2/6/2025
Time event commenced:	1:01:00 PM
Time event terminated:	11:25:00 PM
Total Duration (hrs):	10.40

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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 441862

DEFINITIONS

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 441862
	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 441862

QUESTIONS

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	Action Number: 441862
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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 Well	Unavailable.
Incident Facility	[fAPP2125247824] CYPRESS FEE 5678 TB

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	Yes
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 withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

Equipment Involved	
Primary Equipment Involved	Dump Valve
Additional details for Equipment Involved. Please specify	Dump valve hung open on a separator resulting in venting from storage tanks.

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	78
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	0
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 441862

QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	02/06/2025
Time vent or flare was discovered or commenced	01:01 PM
Time vent or flare was terminated	11:25 PM
Cumulative hours during this event	10

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Equipment Failure Dump Valve Natural Gas Vented Released: 125 Mcf Recovered: 0 Mcf Lost: 125 Mcf.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Additional details for Measured or Estimated Volume(s). Please specify	Total volumes calculated based on total facility throughput during time of event and equipment rating exceedances.
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	The dump valve unexpectedly malfunctioned resulting in the excess gas sent to the tanks.
Steps taken to limit the duration and magnitude of vent or flare	Personnel responded to the event and repaired the malfunctioning dump valve.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Dump valve was repaired.

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ACKNOWLEDGMENTS

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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.

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CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
cswansonsteege	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.	3/12/2025