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C6+ Gas Analysis Report

13486G	Catalina 25 Flare Gas		Catalina 25 Flare Gas
Sample Point Code	Sample Point Name		Sample Point Location
Laboratory Services	2022050384	1656	C George - Spot
Source Laboratory	Lab File No	Container Identity	Sampler
USA	USA	USA	New Mexico
District	Area Name	Field Name	Facility Name
Jan 12, 2022 14:40	Jan 12, 2022 14:40	Jan 14, 2022 07:26	Jan 14, 2022
Date Sampled	Date Effective	Date Received	Date Reported
64.00	2,700.00	Torrance	82 @ 53
Ambient Temp (°F)	Flow Rate (Mcf)	Analyst	Press PSI @ Temp °F Source Conditions
American Valve & Meter			NG
Operator			Lab Source Description

Component	Normalized Mol %	Un-Normalized Mol %	GPM
H2S (H2S)	0.4000	0.4	
Nitrogen (N2)	1.5040	1.50982	
CO2 (CO2)	0.2630	0.26394	
Methane (C1)	76.5240	76.83158	
Ethane (C2)	12.8930	12.9445	3.4470
Propane (C3)	5.6130	5.63584	1.5460
I-Butane (IC4)	0.6270	0.62985	0.2050
N-Butane (NC4)	1.2750	1.27994	0.4020
I-Pentane (IC5)	0.2150	0.21536	0.0790
N-Pentane (NC5)	0.2200	0.22127	0.0800
Hexanes Plus (C6+)	0.4660	0.46792	0.2020
TOTAL	100.0000	100.4000	5.9610

Method(s): Gas C6+ - GPA 2261, Extended Gas - GPA 2286, Calculations - GPA 2172

Analyzer Information			
Device Type:	Gas Chromatograph	Device Make:	Shimadzu
Device Model:	GC-2014	Last Cal Date:	Jan 3, 2022

Gross Heating Values (Real, BTU/ft³)			
14.696 PSI @ 60.00 Å°F		14.73 PSI @ 60.00 Å°F	
Dry	Saturated	Dry	Saturated
1,252.5	1,232.1	1,255.4	1,235.0000
Calculated Total Sample Properties			
GPA2145-16 *Calculated at Contract Conditions			
Relative Density Real		Relative Density Ideal	
0.7329		0.7306	
Molecular Weight			
21.1552			
C6+ Group Properties			
Assumed Composition			
C6 - 60.000%	C7 - 30.000%	C8 - 10.000%	
Field H2S			
4000 PPM			

PROTREND STATUS:

Passed By Validator on Jan 17, 2022

DATA SOURCE:

Imported

PASSED BY VALIDATOR REASON:

First sample taken @ this point, composition looks reasonable

VALIDATOR:

Luis Cano

VALIDATOR COMMENTS:

ok

Flared Volumes per Meter Readings:

1/12/2022	3064 MCF
1/13/2022	3530 MCF
1/14/2022	3530 MCF
1/15/2022	3280 MCF
1/16/2022	2974 MCF
1/17/2022	3016 MCF
1/18/2022	2875 MCF
1/19/2022	3118 MCF
1/20/2022	3066 MCF
1/21/2022	3068 MCF
1/22/2022	3218 MCF
1/23/2022	3127 MCF

Total: 38,129 MCF

Catalina 25HE is a newly completed well. Unfortunately, the gas does not meet pipeline specifications due to high levels of H₂S. Tascosa has purchased a treating tower that will be operational on 1/28, we were delayed due to trucking issues.

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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

DEFINITIONS

Action 74781

DEFINITIONS

Operator: Tascosa Energy Partners, L.L.C 901 W. Missouri Ave Midland, TX 79701	OGRID: 329748
	Action Number: 74781
	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 74781

QUESTIONS

Operator: Tascosa Energy Partners, L.L.C 901 W. Missouri Ave Midland, TX 79701	OGRID: 329748
	Action Number: 74781
	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	[30-015-48736] CATALINA 25 HE STATE #001H
Incident Facility	Not answered.

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	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, major 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	77
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	4,000
Carbon Dioxide (CO2) percentage, if greater than one percent	0
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	2
Hydrogen Sulfide (H2S) PPM quality requirement	4
Carbon Dioxide (CO2) percentage quality requirement	2
Oxygen (O2) percentage quality requirement	10

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QUESTIONS, Page 2

Action 74781

QUESTIONS (continued)

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	Action Number: 74781
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	01/16/2022
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	11:59 PM
Cumulative hours during this event	24

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Pipeline Quality Specifications Producing Well Natural Gas Flared Released: 2,974 Mcf Recovered: 0 Mcf Lost: 2,974 Mcf]
Other Released Details	Not answered.
Additional details for Measured or Estimated Volume(s). Please specify	measured
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	Nearest wellbore, Catalina 30EH, contains 0 ppm H2S. Therefore, Tascosa did not anticipate encountering H2S upon completion of the Catalina 25HE.
Steps taken to limit the duration and magnitude of vent or flare	Tascosa has purchased a treating tower that will be operational on 1/28, we were delayed due to trucking issues.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Tascosa will anticipate encountering H2S in the future and will have a solution ready prior to completing new wellbores.

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ACKNOWLEDGMENTS

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	Action Number: 74781
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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
a.davanzo	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.	1/24/2022