OLA
3302 Pilot Ave.
Midland, Texas 79706
432-789-1860

Report Date: 3/16/2023

C6 Plus Gas Analysis Report

OLA Customer:	Permian Resources	**Purpose:**	ROUTINE
Operator:	Permian Resources	**Account Rep:**	Whitney Shipley
Well Name:	Dundee 4 Fed Com 124H	**Sample ID:**	01230313020
Meter Number:	WELLHEAD	**Sample Date:**	3/9/2023
County:	Delaware Basin	**Received Date:**	3/13/2023
Primo #:	Not Provided	**Log Out Date:**	3/16/2023
Sample Type:	GAS		

Permian Resources, Permian Resources, Dundee 4 Fed Com 124H,WELLHEAD

GC C6 Plus Gas Sample Results

Components	Mole %	Weight %	Liq. Vol. %	Sample GPM Characteristics	Results
Carbon Dioxide	0.1854	0.3659	0.1600	Ethane GPM	3.7251
Nitrogen	0.8264	1.0380	0.4595	Propane GPM	2.0423
Methane	73.24730	52.69	62.77	Isobutane GPM	0.3239
Ethane	13.90740	18.75	18.80	NButane GPM	0.7140
Propane	7.4015	14.63	10.31	Isopentane GPM	0.1762
iso-Butane	0.9883	2.5756	1.6347	NPentane GPM	0.1662
n-Butane	2.2613	5.8931	3.6036	NHexane GPM	0.1066
iso-Pentane	0.4811	1.5563	0.8893	NHeptane GPM	ND
n-Pentane	0.4579	1.4813	0.8390	Gasoline GPM (Pentane and Heavier)	ND
C6 Plus	0.2434	1.0172	0.5379		
Totals	100	100	100	Total GPM (Ethane Inclusive)	7.2543

Sample Characteristics	Results	Sample Characteristics	Results
Sample Temperature (F):	115.00	Heating Value Basis	Dry
Sample Pressure (psi):	2600.00	Heating Value Vol Dry	1328.15
		Heating Value Vol Wet	1304.97
Specific Gravity @ 60/60 F, calculated	0.7700		
Calculated BTU / Real CF @ 14.73 PSIA, dry basis	1336.70		
Calculated BTU / Real CF @ 14.73 PSIA, wet basis	1313.20	H2S ppm	ND
Average Molecular Weight	22.30		
Molar Mass Ratio	0.7696	VOC Weight Fraction	0.2716
Relative Density (G x Z (Air) / Z), calculated	0.7732	Higher Heating Value (BTU/ft3)	1328.15
Ideal Gross Heating Value, BTU / Ideal CF @ 14.696 PSIA	1328.15	Lower Heating Value (BTU/ft3)	1206.69
Compressibility Factor (Z)	0.9959		

Preliminary Production Data

Well Name	Production Date	Gas Flare
Dundee 4 CTB 1	2/29/2024	722 mcf

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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

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 321528
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

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 321528

QUESTIONS

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	Action Number: 321528
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

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 ID (n#)	*Unavailable.*
Incident Name	*Unavailable.*
Incident Type	**Flare**
Incident Status	*Unavailable.*
Incident Facility	**[fAPP2307436795] Dundee 4 CTB 1**
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.	

Determination of Reporting Requirements	
Answer all questions that apply. The Reason(s) statements are calculated based on your answers and 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, 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	73
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (C02) percentage, if greater than one percent	0
Oxygen (02) 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	*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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QUESTIONS (continued)

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	02/29/2024
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: Commissioning to Purge | Pipeline (Any) | Natural Gas Flared | Released: 722 Mcf | Recovered: 0 Mcf | Lost: 722 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	
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	Purging new Koala Wells
Steps taken to limit the duration and magnitude of vent or flare	Open valves to divert gas to a second midstream company to relive pressure off the line.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Clear consistent communication with midstream provider.

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ACKNOWLEDGMENTS

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ACKNOWLEDGMENTS

☑	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.
☑	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.
☑	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.
☑	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
chasketteag	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.	3/8/2024