



Certificate of Analysis

Number: 5030-24090393-001A

Midland Laboratory

2200 East I-20

Midland, TX 79706

Phone 432-689-7252

Socorro Henry
Octane Management, LLC
310 W Wall Street
Suite 300
Midland, TX 79701

Station Name: ANDERSON RANCH UNIT #14
Login Date: 09/18/2024
Method: GPA-2261
Instrument: 5030_MIB2_B1, MID-MIB2 - Channel 2
Analyzed: 09/18/2024 09:03:30 by MGN

Report Date: 09/18/2024
Sampled By: JOSUE J
Sample Of: Gas Spot
Sample Date: 09/06/2024 13:00
Sample Conditions: 85 °F
Received Date: 09/18/2024

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.696 psia		
Nitrogen	13.171	10.183		GPM TOTAL C2+	13.780
Methane	30.085	13.321		GPM TOTAL C3+	10.430
Carbon Dioxide	11.804	14.338		GPM TOTAL iC5+	3.270
Ethane	12.445	10.328	3.350		
Propane	13.184	16.045	3.655		
Iso-butane	3.301	5.295	1.087		
n-Butane	7.622	12.227	2.418		
Iso-pentane	2.893	5.761	1.065		
n-Pentane	2.809	5.594	1.025		
Hexanes Plus	2.686	6.908	1.180		
	100.000	100.000	13.780		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	1.2618	3.2176
Calculated Molecular Weight	36.23	93.19
Compressibility Factor	0.9911	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.696 psia & 60°F		
Real Gas Dry BTU	1592	5129
Water Sat. Gas Base BTU	1565	5040

Mostaq Ahammad

Data reviewed by: Mostaq Ahammad, Petroleum Chemist

Quality Assurance:

The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated. The test results apply to the sample as received.

SPL, Inc.
Analysis Request Chain of Custody Record

[illegible]

Sampled By-Print Name: _____			Received By-Company: _____		
Signature: _____			Signature: _____		
Relinquished By-Print Name: _____		Date: _____	Received By-Print Name: JOSUE JIMENEZ		Date: 9-18
Signature: _____		Time: _____	Signature: JOSUE JIMENEZ		Time: 9:06
Relinquished By-Print Name: _____		Date: _____	Received By-Print Name: _____		Date: 09/07/24
Signature: _____		Time: _____	Signature: _____		Time: 8:30AM
Relinquished By-Print Name: _____		Date: _____	Received By-Print Name: _____		Date: _____
Signature: _____		Time: _____	Signature: _____		Time: _____

Note - As a convenience to our clients, this form is available in an electronic format. Please contact one of our offices above for the form to be e-mailed to you.

Calculations Used to Estimate Volume Vented

$$V = (BO \times GOR) / 1000 = \text{MCF}$$

9/20/23-10/20/23 Production = 483.42 BOPD

$$V = (483.42 \times 500) / 1000 = 241.71 \text{ MCF}$$

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 399734

DEFINITIONS

Operator: GRAND BANKS ENERGY CO 10 Desta Drive Midland, TX 79705	OGRID: 155471
	Action Number: 399734
	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.

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

QUESTIONS

Action 399734

QUESTIONS

Operator: GRAND BANKS ENERGY CO 10 Desta Drive Midland, TX 79705	OGRID: 155471
	Action Number: 399734
	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 Well	[30-025-00365] ANDERSON RANCH UNIT #014
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 additional 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	No
Is this considered a submission for a vent or flare event	N/A, not enough information to determine severity: • not "at least 50 MCF"; • not "the release of any liquids"; • and less than minor venting and/or flaring of natural gas volumes reported.
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	No
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	Tank (Any)
Additional details for Equipment Involved. Please specify	Return tank for jet pump

Representative Compositional Analysis of Vented or Flared Natural Gas	
Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	30
Nitrogen (N2) percentage, if greater than one percent	13
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (C02) percentage, if greater than one percent	12
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	Not answered.
Hydrogen Sufide (H2S) PPM quality requirement	Not answered.
Carbon Dioxide (C02) percentage quality requirement	Not answered.

Oxygen (O2) percentage quality requirement	Not answered.
--	---------------

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

QUESTIONS, Page 2

Action 399734

QUESTIONS (continued)

Operator: GRAND BANKS ENERGY CO 10 Desta Drive Midland, TX 79705	OGRID: 155471
	Action Number: 399734
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	10/20/2023
Time vent or flare was discovered or commenced	10:00 AM
Time vent or flare was terminated	05:00 PM
Cumulative hours during this event	7

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Other Tank (Any) Natural Gas Vented Released: 2 Mcf Recovered: 0 Mcf Lost: 2 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	False
Please explain reason for why this event was beyond this operator's control	Not answered.
Steps taken to limit the duration and magnitude of vent or flare	placed bull plug in tank vent asap
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Placed bull plug in tank vent

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

ACKNOWLEDGMENTS

Action 399734

ACKNOWLEDGMENTS

Operator: GRAND BANKS ENERGY CO 10 Desta Drive Midland, TX 79705	OGRID: 155471
	Action Number: 399734
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

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.

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

CONDITIONS

Action 399734

CONDITIONS

Operator: GRAND BANKS ENERGY CO 10 Desta Drive Midland, TX 79705	OGRID: 155471
	Action Number: 399734
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

CONDITIONS

Created By	Condition	Condition Date
shendry	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.	11/25/2024