



Athens, TX (903) 677-0700 | Beeville, TX (361) 354-5200 | Midland, TX (432) 704-5351 | Pauls Valley, OK (405) 926-8779

C6+ Analysis Report | Sample Date: 6/5/2024

Lab Report Number: 64790611241434midland

Customer: BTA Oil Producers - NM Penn Shale

Date On: 6/5/2024

Station Number: 810321

Date Off: 6/5/2024

Station Name: VENDICATOR 303 CM

Analyzed: 6/11/2024

Producer: BTA New Mexico/Penn Shale

Effective: 6/1/2024

Component	Mole%	GPM	Mass%
H2S			
Oxygen	0.000		0.000
Nitrogen	2.508		2.671
Carbon Dioxide	0.366		0.613
Methane	59.383		36.211
Ethane	18.302	4.895	20.918
Propane	11.416	3.145	19.134
I-Butane	1.203	0.394	2.658
N-Butane	3.735	1.178	8.252
I-Pentane	0.795	0.291	2.179
N-Pentane	0.945	0.343	2.591
Hexane Plus	1.347	0.588	4.773
Total	100.000	10.834	100.000

ALL VALUES ARE CALCULATED AT 14.65 PSIA 60 F

Real Dry Relative Density: 0.9133

H2O (lbs/MMcf):

Dry (BTU/cf): 1514.7

H2S (ppm):

Saturated (BTU/cf): 1488.9

CO2 (%):

As-Delivered (BTU/cf): 1493.4

Sample (psig): 91.41

Molar Mass: 26.309

Sample (F): 115.22

Flow Rate (Mcf/d): 1192.58

Sample Type: Spot

Cylinder No: 6479

Sampled By: Fernando Gonzalez

Location: BTA

County/State: Lea, New Mexico

Notes:



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C6+ Analysis Report | Sample Date: 6/5/2024

Lab Report Number: 65580611241447midland

Customer: BTA Oil Producers - NM Penn Shale
Station Number: 810327
Station Name: VENDICATOR 404 CM
Producer: BTA / Penn Shale

Date On: 6/5/2024
Date Off: 6/5/2024
Analyzed: 6/11/2024
Effective: 6/1/2024

Component	Mole%	GPM	Mass%
H2S			
Oxygen	0.000		0.000
Nitrogen	1.867		2.013
Carbon Dioxide	0.344		0.583
Methane	61.125		37.738
Ethane	17.651	4.721	20.427
Propane	11.136	3.068	18.898
I-Butane	1.168	0.382	2.612
N-Butane	3.668	1.156	8.205
I-Pentane	0.776	0.284	2.154
N-Pentane	0.930	0.337	2.583
Hexane Plus	1.335	0.582	4.787
Total	100.000	10.530	100.000

ALL VALUES ARE CALCULATED AT 14.65 PSIA 60 F

Real Dry Relative Density: 0.9019
Dry (BTU/cf): 1508.2
Saturated (BTU/cf): 1482.6
As-Delivered (BTU/cf): 1486.8
Molar Mass: 25.984
Flow Rate (Mcf/d): 1522.54

H2O (lbs/MMcf):
H2S (ppm):
CO2 (%):
Sample (psig): 91.29
Sample (F): 115.57

Sample Type:	Spot	Cylinder No: 6558	Sampled By: Fernando Gonzalez
Location:	Bta		County/State: Lea, New Mexico
Notes:			



Vindicator 4 Flare Gas Meter

4/19/2025

575

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 455649

DEFINITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 455649
	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 455649

QUESTIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 455649
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

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	[fAPP2417950605] Vindicator 4 Battery
<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	Yes
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	Not answered.

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	59
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	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 455649

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 455649
	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	04/19/2025
Time vent or flare was discovered or commenced	06:00 AM
Time vent or flare was terminated	02:00 PM
Cumulative hours during this event	8

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Equipment Failure Gas Compressor Station Natural Gas Flared Released: 575 Mcf Recovered: 0 Mcf Lost: 575 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	Unexpected failure of gas compressor station
Steps taken to limit the duration and magnitude of vent or flare	Calling Mechanic to troubleshoot/fix issue
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Will monitor

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ACKNOWLEDGMENTS

Action 455649

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	Action Number: 455649
	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.

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CONDITIONS

Action 455649

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 455649
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

CONDITIONS

Created By	Condition	Condition Date
vanessa king	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.	4/25/2025