



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

Date On: 6/5/2024

Station Number: 810327

Date Off: 6/5/2024

Station Name: VENDICATOR 404 CM

Analyzed: 6/11/2024

Producer: BTA / Penn Shale

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

H2O (lbs/MMcf):

Dry (BTU/cf): 1508.2

H2S (ppm):

Saturated (BTU/cf): 1482.6

CO2 (%):

As-Delivered (BTU/cf): 1486.8

Sample (psig): 91.29

Molar Mass: 25.984

Sample (F): 115.57

Flow Rate (Mcf/d): 1522.54

Sample Type: Spot

Cylinder No: 6558

Sampled By: Fernando Gonzalez

Location: Bta

County/State: Lea, New Mexico

Notes:



Vindicator 4 Flare Gas Meter

12/23/2024

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

General Information  
Phone: (505) 629-6116

Online Phone Directory  
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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 416917

**DEFINITIONS**

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 416917
	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 416917

**QUESTIONS**

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 416917
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

<b>Prerequisites</b>	
<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	[fAPP2417950605] Vindicator 4 Battery

<b>Determination of Reporting Requirements</b>	
<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	No
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 <b>at least 50 MCF</b> of natural gas vented and/or flared during this event	Yes
Did this vent or flare result in the release of <b>ANY</b> 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

<b>Equipment Involved</b>	
Primary Equipment Involved	Separator
Additional details for Equipment Involved. Please specify	Not answered.

<b>Representative Compositional Analysis of Vented or Flared Natural Gas</b>	
<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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Action 416917

**QUESTIONS (continued)**

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 416917
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	12/23/2024
Time vent or flare was discovered or commenced	10:00 PM
Time vent or flare was terminated	11:00 PM
Cumulative hours during this event	1

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   Separator   Natural Gas Flared   Released: 106 Mcf   Recovered: 0 Mcf   Lost: 106 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	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	Had unexpected issues with transmitter
Steps taken to limit the duration and magnitude of vent or flare	Will choke well back
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Replace Equipment



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ACKNOWLEDGMENTS

Action 416917

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	Action Number: 416917
	Action Type: [C-129] Venting and/or Flaring (C-129)

**ACKNOWLEDGMENTS**

<input checked="" type="checkbox"/>	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 <b>complete</b> C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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 416917

**CONDITIONS**

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 416917
	Action Type: [C-129] Venting and/or Flaring (C-129)

**CONDITIONS**

Created By	Condition	Condition Date
msena01	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.	1/3/2025