



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

Station Number: 810321

Station Name: VENDICATOR 303 CM

Producer: BTA New Mexico/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	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

Dry (BTU/cf): 1514.7

Saturated (BTU/cf): 1488.9

As-Delivered (BTU/cf): 1493.4

Molar Mass: 26.309

Flow Rate (Mcf/d): 1192.58

H2O (lbs/MMcf):

H2S (ppm):

CO2 (%):

Sample (psig): 91.41

Sample (F): 115.22

Sample Type: Spot

Location: BTA

Notes:

Cylinder No: 6479

Sampled By: Fernando Gonzalez

County/State: Lea, New Mexico



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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

7/22/2024

135

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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 367605

DEFINITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 367605
	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 367605

QUESTIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 367605
	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	Unavailable.
Incident Facility	[fAPP2417950605] Vindicator 4 Battery

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	No
Is this considered a submission for a vent or flare event	Yes, minor 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	Gas Compressor Station
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	59
Nitrogen (N2) percentage, if greater than one percent	3
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (C02) 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	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.

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QUESTIONS, Page 2
Action 367605

QUESTIONS (continued)

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	Action Number: 367605
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	07/22/2024
Time vent or flare was discovered or commenced	09:00 AM
Time vent or flare was terminated	11:00 AM
Cumulative hours during this event	2

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: 135 Mcf Recovered: 0 Mcf Lost: 135 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	Unexpected failure of compressor
Steps taken to limit the duration and magnitude of vent or flare	Will evaluate and fix
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Will monitor

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ACKNOWLEDGMENTS

Action 367605

ACKNOWLEDGMENTS

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	Action Number: 367605
	Action Type: [C-129] Venting and/or Flaring (C-129)

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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	Action Number: 367605
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
vanessa king	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.	7/26/2024