

# Gas Composition and Properties

Effective April 1, 2025 00:00 - January 18, 2038 21:14

Source #: 198435

Name: CUTBOW EAST 304H WH ALLOC

Component	Mole %	Liquid Content	Mass %	Property	Total Sample
Carbon Dioxide (CO2)	1.5890		2.8378	Pressure Base	14.73
Nitrogen (N2)	2.8410		3.2296	Temperature Base	60
Methane (C1)	68.4390		44.5546	HCDP @ Sample Pressure	
Ethane (C2)	12.2530	3.2921	14.9512	Cricondentherm	
Propane (C3)	7.3880	2.0448	13.2202	HV, Dry @ Base P, T	1394.04
Isobutane (IC4)	0.9540	0.3136	2.2501	HV, Sat @ Base P, T	1369.78
n-Butane (NC4)	2.5920	0.8209	6.1135	HV, Sat @ Sample P, T	1379.90
Isopentane (IC5)	0.7130	0.2620	2.0875	Relative Density	0.8546
n-Pentane (NC5)	0.8060	0.2935	2.3598		
Hexanes Plus (C6+)	2.3850	0.9853	8.3404		
Argon (Ar)					
Carbon Monoxide (CO)					
Hydrogen (H2)	0.0000		0.0000		
Oxygen (O2)	0.0000		0.0000		
Helium (He)	0.0000		0.0000		
Water (H2O)					
Hydrogen Sulfide (H2S)	0.0400		0.0553	C6+: 100	
<b>Totals</b>	<b>100.0000</b>	<b>8.0130</b>	<b>100.0000</b>		

**Sample**

Date: 03/12/2025      Type: Spot  
Tech: GILBERTO  
Pressure: 109.0 psi      Temp.: 109 °F  
Gauge: Gauge      H2O:  
Atm. Pressure: 13.1 psi      H2S: 4 ppm

Remarks: Cutbow 36-1 FED Com 304H Prod.

**Analysis**

Date: 03/21/2025      Instrument:  
Cylinder: 2016  
Tech: Admin

Remarks: Hexanes at 2%

\*\*\* End of Report \*\*\*



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Record Date	Gas Flowed	Hours Flowed	Meter Flare Reason	Static Pressure Psia	Differential Pressure	Meter Comment
3/29/2025	103.00	00:00		15	0	
3/28/2025	142.00	00:00		15	0	
3/27/2025	186.00	00:00		15	0	
3/26/2025	169.00	00:00		15	0	
3/25/2025	155.00	00:00		15	0	
3/24/2025	132.00	00:00		15	0	
3/23/2025	160.00	00:00		15	0	
3/22/2025	164.00	00:00		15	0	
3/21/2025	181.00	00:00		15	0	
3/20/2025	57.00	00:00		15	0	
3/19/2025	70.00	00:00		0	0	
3/18/2025	99.00	00:00		0	0	
3/17/2025	113.00	00:00		0	0	
3/16/2025	100.00	00:00		0	0	VRU Co...

Intermediate flaring:

Event Date	Volume Flowed (mcf)	Duration (hrs)
3/18/2025	70	0

Details:

Tank VRU down. Waiting for parts.

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 536815

**DEFINITIONS**

<p>Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706</p>	<p>OGRID: 330396</p> <p>Action Number: 536815</p> <p>Action Type: [C-129] Venting and/or Flaring (C-129)</p>
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**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.

**State of New Mexico**  
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**Resources**  
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QUESTIONS

Action 536815

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**QUESTIONS**

Operator:	OGRID: 330396
Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	Action Number: 536815
	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	[fAPP2331147143] CUTBOW EAST CTB 1

**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	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 <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

**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	68
Nitrogen (N2) percentage, if greater than one percent	3
Hydrogen Sulfide (H2S) PPM, rounded up	400
Carbon Dioxide (CO2) percentage, if greater than one percent	2
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 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

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**QUESTIONS (continued)**

Operator:	OGRID: 330396
Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	Action Number: 536815
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

<b>Date(s) and Time(s)</b>	
Date vent or flare was discovered or commenced	03/18/2025
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	12:00 AM
Cumulative hours during this event	0

<b>Measured or Estimated Volume of Vented or Flared Natural Gas</b>	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Other   Separator   Natural Gas Flared   Released: 70 Mcf   Recovered: 0 Mcf   Lost: 70 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)	<b>Yes, according to supplied volumes this appears to be a "gas only" report.</b>

<b>Venting or Flaring Resulting from Downstream Activity</b>	
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.

<b>Steps and Actions to Prevent Waste</b>	
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	TANK VRU IS DOWN, AWATING NEW PARTS
Steps taken to limit the duration and magnitude of vent or flare	MINIMIZE EVENT DURATION
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	MIDSTREAM & MARKETING EVALUATE

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ACKNOWLEDGMENTS

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**ACKNOWLEDGMENTS**

Operator:  
Avant Operating, LLC  
6001 Deauville Blvd  
Midland, TX 79706

OGRID:  
330396  
Action Number:  
536815  
Action Type:  
[C-129] Venting and/or Flaring (C-129)

**ACKNOWLEDGMENTS**

- I acknowledge that I am authorized to submit a *Venting and/or Flaring* (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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OGRID: 330396  
Action Number: 536815  
Action Type: [C-129] Venting and/or Flaring (C-129)

**CONDITIONS**

Created By	Condition	Condition Date
jmckinnon	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.	12/22/2025