

# Gas Composition and Properties

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

Source #: 198423

Name: SANDRA JEAN 501H ALLOC

Component	Mole %	Liquid Content	Mass %	Property	Total Sample
Carbon Dioxide (CO2)	0.7710		1.4222	Pressure Base	14.73
Nitrogen (N2)	3.5420		4.1589	Temperature Base	60
Methane (C1)	67.5180		45.3997	HCDP @ Sample Pressure	
Ethane (C2)	14.2300	3.8219	17.9343	Cricondentherm	
Propane (C3)	8.2970	2.2956	15.3348	HV, Dry @ Base P, T	1361.19
Isobutane (IC4)	0.9370	0.3079	2.2827	HV, Sat @ Base P, T	1337.50
n-Butane (NC4)	2.4670	0.7811	6.0100	HV, Sat @ Sample P, T	1351.48
Isopentane (IC5)	0.5190	0.1906	1.5695	Relative Density	0.8272
n-Pentane (NC5)	0.5460	0.1988	1.6511		
Hexanes Plus (C6+)	1.1730	0.4844	4.2368		
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)	0.0000		0.0000	C6+: 100	
Totals	100.0000	8.0810	100.0000		

## Sample

Date: 04/07/2025 Type: Spot  
Tech: GILBERTO LAZO  
Pressure: 124.0 psi Temp.: 101 °F  
Gauge: Gauge H2O:  
Atm. Pressure: 13.1 psi H2S: 3 ppm

Remarks: Sandra Jean 501 Prod

## Analysis

Date: 04/16/2025 Instrument:  
Cylinder: 1439  
Tech: System Administrator

Remarks: OK

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



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Sandra Jean East HP Flare Mtr : 42915							
Daily							
Prod Date	Report Date	Gas Flow	Hours	Meter Flare Reason	Static P	Differential	Meter Comments
6/23/2025	7/8/2025	65	24:00:00	FACILITY ISSUES	15	0	NO VRU DUE TO NO POWER
6/25/2025	7/10/2025	52	24:00:00	FACILITY ISSUES	15	0	NO VRU due to power
6/26/2025	7/11/2025	245	23:47	DUMP VALVE MALFUNCTION	15	0	MRU had a dump hung. dump is getting fixed.
6/27/2025	7/12/2025	197	24:00:00	DUMP VALVE MALFUNCTION	15	0	MRU had a hung dump everything fixed

Intermediate flaring:

Event Date	Volume Flowed (mcf)	Duration (hrs)
06/23/2025	65	24

Details:

[331501] NORTHWIND MIDSTREAM PARTNERS LLC, Curtailment - Gas Purchaser/HLP, MIDSTREAM & MARKETING EVALUATE

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 480902

DEFINITIONS

Operator:  Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID:  330396
	Action Number:  480902
	Action Type:  [C-129] Venting and/or Flaring (C-129)

DEFINITIONS

<p>For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application:</p> <ul style="list-style-type: none"><li>• this application's operator, hereinafter "this operator";</li><li>• venting and/or flaring, hereinafter "vent or flare";</li><li>• any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";</li><li>• the statements in (and/or attached to) this, hereinafter "the statements in this";</li><li>• and the past tense will be used in lieu of mixed past/present tense questions and statements.</li></ul>
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QUESTIONS

Action 480902

**QUESTIONS**

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 480902
	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	[fAPP2414148583] Sandra Jean East CTB

<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	No
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, 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 withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

<b>Equipment Involved</b>	
Primary Equipment Involved	Not answered.
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	68
Nitrogen (N2) percentage, if greater than one percent	4
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	1
<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 480902

**QUESTIONS (continued)**

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**QUESTIONS**

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	06/23/2025
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	24

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Other   Separator   Natural Gas Flared   Released: 65 Mcf   Recovered: 0 Mcf   Lost: 65 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	NO VRU DUE TO POWER
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 AND MARKETING TO EVALUATE



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ACKNOWLEDGMENTS

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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 480902

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CONDITIONS

Created By	Condition	Condition Date
acox	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.	7/2/2025