

Pritchard Analytical Laboratories, Inc.

Petroleum Analytical Laboratory

3310 Bankhead Highway, Midland, Texas 79701

(432) 218-6625, pritchardlab.com

COMPANY:	AEGIS CHEMICAL	JOB #:	2506018
SAMPLE ID:	SHAKE N BAKE 2 STATE 204H	SAMPLE #:	2506018AEG01
SAMPLE TYPE:	SPOT	DATE ON:	6/11/2025
STATION:	SHAKE N BAKE 2 STATE 204H	DATE OFF:	6/11/2025
BASE PRESSURE,PSIA:	14.650	TIME ON:	1600
FLOW RATE:		TIME OFF:	1600
SAMPLE PRESS.,psig:	18.3	SAMPLED BY:	CLIENT
GAS TEMP. F:	104.6	CYLINDER #:	
ANALYSIS DATE:	6/11/2025	SAMPLE USE*:	A
ANALYSIS COMMENTS:	H2S PER CLIENT DATA		

SUMMARY OF CHROMATOGRAPHIC ANALYSIS

COMPONENT	MOLE %	GPM
HYDROGEN SULFIDE	0.5000	
NITROGEN	1.3515	
OXYGEN	0.0000	
METHANE	79.0042	
CARBON DIOXIDE	3.1918	
ETHANE	7.5299	2.0028
PROPANE	3.8190	1.0465
ISO-BUTANE	0.7265	0.2364
N-BUTANE	1.5185	0.4761
ISO-PENTANE	0.5588	0.2033
N-PENTANE	0.5244	0.1889
HEXANES	1.2754	0.5534
TOTAL	100.0000	4.7075
HEATING VALUE		
BTU DRY		1208.4
BTU SATURATED		1187.4
COMPRESSIBILITY, Z		0.9963
RELATIVE DENSITY		0.7486
AVE. MOLE WEIGHT		21.8516
H2S, TUTWEILER, GR./100 CUBIC FEET		314.5
26 # GASOLINE		3.2773

BASE CONDITIONS, 14.65 PSIA @ 60 DEGREES FAHRENHEIT

* A = ACCOUNTABLE, O = OPERATIONAL

Shake 'n Bake 2 State #204H – Flared Volumes

These gas volumes were metered from the flare stack at the Shake 'n Bake facility, located on the same pad as the wellhead. H₂S concentrations are tested biweekly using a Draeger Tube on location. The reading on 6/17 was 5,000 ppm.

Date:	Total MCF:
6/18/2025	1046

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 476913

DEFINITIONS

Operator: Tascosa Energy Partners, L.L.C 901 W. Missouri Ave Midland, TX 79701	OGRID: 329748
	Action Number: 476913
	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 476913

QUESTIONS

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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 Well	[30-015-55251] SHAKE 'N BAKE 2 STATE #204H
Incident Facility	Unavailable.

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	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, 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	Not answered.
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	79
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	5,000
Carbon Dioxide (CO2) percentage, if greater than one percent	3
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	4
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)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	06/18/2025
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	11:59 PM
Cumulative hours during this event	24

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	<i>Not answered.</i>
Natural Gas Flared (Mcf) Details	Cause: Pipeline Quality Specifications Well Natural Gas Flared Released: 1,046 Mcf Recovered: 0 Mcf Lost: 1,046 Mcf.
Other Released Details	<i>Not answered.</i>
Additional details for Measured or Estimated Volume(s). Please specify	<i>Not answered.</i>
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	<i>Not answered.</i>
Downstream OGRID that should have notified this operator	<i>Not answered.</i>
Date notified of downstream activity requiring this vent or flare	<i>Not answered.</i>
Time notified of downstream activity requiring this vent or flare	<i>Not answered.</i>

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	This is an exploratory area and the operator did not anticipate H2S production.
Steps taken to limit the duration and magnitude of vent or flare	Operator is evaluating H2S treatment options
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Operator will employ H2S treatment ASAP and SD in the event of a malfunction.

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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 complete 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

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CONDITIONS

Created By	Condition	Condition Date
a.davanzo	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.	6/19/2025