

# 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 were measured on 6/20 via Draeger Tubes and the results showed 3,000 ppm.

| Date:     | Total MCF: |
|-----------|------------|
| 6/19/2025 | 1106       |
| 6/20/2025 | 1096       |
| 6/21/2025 | 1153       |
| 6/22/2025 | 1175       |

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General Information  
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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 478471

DEFINITIONS

|                                                                                         |                                                        |
|-----------------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>Tascosa Energy Partners, L.L.C<br>901 W. Missouri Ave<br>Midland, TX 79701 | OGRID:<br>329748                                       |
|                                                                                         | Action Number:<br>478471                               |
|                                                                                         | Action Type:<br>[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 478471

**QUESTIONS**

|                                                                                         |                                                        |
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|                                                                                         | Action Number:<br>478471                               |
|                                                                                         | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

**QUESTIONS**

|                                                                                                                                                                                                   |                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| <b>Prerequisites</b><br><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.                               |

|                                                                                                                                                                                                                                                                                            |                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| <b>Determination of Reporting Requirements</b><br><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 <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                                | Not answered. |
| Additional details for Equipment Involved. Please specify | Not answered. |

|                                                                                                                                                                    |               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <b>Representative Compositional Analysis of Vented or Flared Natural Gas</b><br><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                                                                                                                             | 3,000         |
| 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

Action 478471

**QUESTIONS (continued)**

|                                                                                         |                                                        |
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**QUESTIONS**

| Date(s) and Time(s)                            |            |
|------------------------------------------------|------------|
| Date vent or flare was discovered or commenced | 06/20/2025 |
| 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                                          | Not answered.                                                                                                                  |
| Natural Gas Flared (Mcf) Details                                          | Cause: Pipeline Quality Specifications   Well   Natural Gas Flared   Released: 1,096 Mcf   Recovered: 0 Mcf   Lost: 1,096 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                                                      | This is an exploratory area, the operator did not anticipate H2S production |
| Steps taken to limit the duration and magnitude of vent or flare                                                                 | Operator is shutting in the well on 6/23.                                   |
| Corrective actions taken to eliminate the cause and reoccurrence of vent or flare                                                | Operator is evaluating H2S treatments and shutting in the well on 6/23      |



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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

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|                                                                                         |                                                        |
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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. | 6/24/2025      |