



# Certificate of Analysis

Number: 6030-22050003-002A

**Artesia Laboratory**  
 200 E Main St.  
 Artesia, NM 88210  
 Phone 575-746-3481

Kevin Garrett  
 Caza Operating  
 200 N. Loraine St Ste 1550  
 Midland, TX 79701

May 03, 2022

|                                              |                                                          |
|----------------------------------------------|----------------------------------------------------------|
| Station Name: Comanche CTB 1H Test           | Sampled By: CM                                           |
| Station Number: 55680039                     | Sample Of: Gas Spot                                      |
| Station Location: Caza                       | Sample Date: 04/29/2022 02:05                            |
| Sample Point: Meter Run                      | Sample Conditions: 152.1 psig, @ 120.7 °F Ambient: 96 °F |
| Instrument: 6030_GC6 (Inficon GC-3000 Micro) | Effective Date: 04/29/2022 02:05                         |
| Last Inst. Cal.: 05/02/2022 0:00 AM          | Method: GPA-2261M                                        |
| Analyzed: 05/03/2022 11:36:50 by ERG         | Cylinder No: 5030-01267                                  |

## Analytical Data

| Components       | Un-normalized Mol % | Mol. %    | Wt. %   | GPM at 14.696 psia |                      |
|------------------|---------------------|-----------|---------|--------------------|----------------------|
| Hydrogen Sulfide | 0.000               | 0.05000   | 0.081   |                    | GPM TOTAL C2+ 4.366  |
| Nitrogen         | 1.163               | 1.18185   | 1.583   |                    | GPM TOTAL C3+ 2.465  |
| Methane          | 80.681              | 82.00952  | 62.903  |                    | GPM TOTAL iC5+ 0.747 |
| Carbon Dioxide   | 1.870               | 1.90110   | 4.000   |                    |                      |
| Ethane           | 6.988               | 7.10278   | 10.211  | 1.901              |                      |
| Propane          | 3.520               | 3.57828   | 7.544   | 0.987              |                      |
| Iso-butane       | 0.725               | 0.73735   | 2.049   | 0.242              |                      |
| n-Butane         | 1.523               | 1.54849   | 4.303   | 0.489              |                      |
| Iso-pentane      | 0.579               | 0.58803   | 2.028   | 0.215              |                      |
| n-Pentane        | 0.495               | 0.50315   | 1.736   | 0.183              |                      |
| Hexanes Plus     | 0.787               | 0.79945   | 3.562   | 0.349              |                      |
|                  | 98.331              | 100.00000 | 100.000 | 4.366              |                      |

|                                                              |              |            |
|--------------------------------------------------------------|--------------|------------|
| <b>Calculated Physical Properties</b>                        | <b>Total</b> | <b>C6+</b> |
| Relative Density Real Gas                                    | 0.7244       | 3.2176     |
| Calculated Molecular Weight                                  | 20.92        | 93.19      |
| Compressibility Factor                                       | 0.9966       |            |
| <b>GPA 2172 Calculation:</b>                                 |              |            |
| <b>Calculated Gross BTU per ft³ @ 14.696 psia &amp; 60°F</b> |              |            |
| Real Gas Dry BTU                                             | 1208         | 5129       |
| Water Sat. Gas Base BTU                                      | 1187         | 5040       |
| Ideal, Gross HV - Dry at 14.696 psia                         | 1203.5       | 5129.2     |
| Ideal, Gross HV - Wet                                        | 1182.5       | 5039.7     |

**Comments:** H2S Field Content 500 ppm  
 Mcf/day 1573.7

Hydrocarbon Laboratory Manager

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.

# Caza Flared Gas Calculation Comanche CTB

|            |
|------------|
| input      |
| calculated |

|                                               |          |
|-----------------------------------------------|----------|
| Date                                          | 2/5/2023 |
| Reported Flared metered Volume (mcf)          | 1006     |
| Last 7 Day Avg metered Gas Production (mcf)   | 2505.57  |
| % of gas flared vs Produced (% mcf) & (% hrs) | 40.2%    |
| Avg Gas production per hour for 24 hrs (mcf)  | 104.40   |
| number of hours flare was active (hours)      | 9.64     |

**source**  
pumpers text  
pumpers text  
prodman ctb report

1625 N. French Dr., Hobbs, NM 88240  
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 District III  
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 District IV  
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State of New Mexico  
 Energy, Minerals & Natural Resources Department  
 OIL CONSERVATION DIVISION  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

Form C-102  
 Revised August 1, 2011  
 Submit one copy to appropriate  
 District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION AS-DRILLED PLAT

|                                         |  |                                                  |  |                                                          |                                 |
|-----------------------------------------|--|--------------------------------------------------|--|----------------------------------------------------------|---------------------------------|
| <sup>1</sup> API Number<br>30-025-47449 |  | <sup>2</sup> Pool Code<br>98234                  |  | <sup>3</sup> Pool Name<br>WC-025 G-09 S263619C; WOLFCAMP |                                 |
| <sup>4</sup> Property Code<br>328896    |  | Property Name<br>COMANCHE 25-36 FED STATE COM    |  |                                                          | <sup>6</sup> Well Number<br>1H  |
| <sup>7</sup> OGRID No.<br>249099        |  | <sup>8</sup> Operator Name<br>CAZA OPERATING LLC |  |                                                          | <sup>9</sup> Elevation<br>2946' |

<sup>10</sup> Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| B             | 25      | 26S      | 35E   |         | 349           | NORTH            | 1500          | EAST           | LEA    |

<sup>11</sup> Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| L 2           | 36      | 26S      | 35E   |         | 102           | SOUTH            | 1713          | EAST           | LEA    |

|                                         |                               |                                  |                         |
|-----------------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres<br>233.27 | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No. |
|-----------------------------------------|-------------------------------|----------------------------------|-------------------------|

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

**<sup>17</sup> OPERATOR CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

4/26/2021

Signature: Steven Morris  
 Date: 4/26/2021

Printed Name: Steven Morris  
 E-mail Address: steve.morris@morcorengineering.com

**<sup>18</sup> SURVEYOR CERTIFICATION**

I hereby certify that the well surface location shown on this plat was plotted from field notes of the as-staked surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Data used for underground measurements were provided by others for reference only and does not constitute field measurements performed by R-Squared Global.

APRIL 26, 2021  
 Date of Survey

Signature and Seal of Professional Surveyor: DAVID W. MYERS

Certificate Number: DAVID W. MYERS 11403

Distances/areas relative to NAD 83 Combined Scale Factor: 0.99988291 Convergence Angle: 00°32'08.45268"

Horizontal Spacing Unit

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**District IV**  
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 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

DEFINITIONS

Action 185852

**DEFINITIONS**

|                                                                            |                                                               |
|----------------------------------------------------------------------------|---------------------------------------------------------------|
| Operator:<br>CAZA OPERATING, LLC<br>200 N Lorraine St<br>Midland, TX 79701 | OGRID:<br>249099                                              |
|                                                                            | Action Number:<br>185852                                      |
|                                                                            | Action Type:<br>[C-129] Amend Venting and/or Flaring (C-129A) |

**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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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS

Action 185852

**QUESTIONS**

|                                                                           |                                                               |
|---------------------------------------------------------------------------|---------------------------------------------------------------|
| Operator:<br>CAZA OPERATING, LLC<br>200 N Loraine St<br>Midland, TX 79701 | OGRID:<br>249099                                              |
|                                                                           | Action Number:<br>185852                                      |
|                                                                           | Action Type:<br>[C-129] Amend Venting and/or Flaring (C-129A) |

**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 Operator                                                                                                                                                                                        | [249099] CAZA OPERATING, LLC                          |
| Incident Type                                                                                                                                                                                            | Flare                                                 |
| Incident Status                                                                                                                                                                                          | Closure Not Approved                                  |
| Incident Well                                                                                                                                                                                            | [30-025-47449] COMANCHE 25 36 FEDERAL STATE COM #001H |
| Incident Facility                                                                                                                                                                                        | Unavailable.                                          |
| <i>Only valid Vent, Flare or Vent with Flaring incidents (selected above in the Application Details section) that are assigned to your current operator can be amended with this C-129A application.</i> |                                                       |

|                                                                                                                                                                                                                                                                                            |                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| <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                                                                                                                                                                                                                               | Yes                                               |
| 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                                | Gas Plant     |
| 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                                                                                                             | 82            |
| Nitrogen (N2) percentage, if greater than one percent                                                                                | 1             |
| Hydrogen Sulfide (H2S) PPM, rounded up                                                                                               | 0             |
| Carbon Dioxide (CO2) percentage, if greater than one percent                                                                         | 2             |
| 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                                                                                       | Not answered. |
| Carbon Dioxide (CO2) percentage quality requirement                                                                                  | Not answered. |
| Oxygen (O2) percentage quality requirement                                                                                           | Not answered. |

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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 2

Action 185852

**QUESTIONS (continued)**

|                                                                           |                                                               |
|---------------------------------------------------------------------------|---------------------------------------------------------------|
| Operator:<br>CAZA OPERATING, LLC<br>200 N Loraine St<br>Midland, TX 79701 | OGRID:<br>249099                                              |
|                                                                           | Action Number:<br>185852                                      |
|                                                                           | Action Type:<br>[C-129] Amend Venting and/or Flaring (C-129A) |

**QUESTIONS**

| Date(s) and Time(s)                            |            |
|------------------------------------------------|------------|
| Date vent or flare was discovered or commenced | 02/05/2023 |
| Time vent or flare was discovered or commenced | 12:45 AM   |
| Time vent or flare was terminated              | 10:30 AM   |
| Cumulative hours during this event             | 10         |

| Measured or Estimated Volume of Vented or Flared Natural Gas              |                                                                                                           |
|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Natural Gas Vented (Mcf) Details                                          | Not answered.                                                                                             |
| Natural Gas Flared (Mcf) Details                                          | Cause: Other   Gas Plant   Natural Gas Flared   Released: 1,006 Mcf   Recovered: 0 Mcf   Lost: 1,006 Mcf. |
| Other Released Details                                                    | Cause:     Other (Specify)   Released: 0 (Unknown Released Amount)   Recovered: 0   Lost: 0               |
| 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            | Yes                            |
| Was notification of downstream activity received by this operator | No                             |
| Downstream OGRID that should have notified this operator          | [147831] Lucid Artesia Company |
| Date notified of downstream activity requiring this vent or flare |                                |
| 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                                                     | Downstream operator had gas plant shut down. This event was outside the control of operator. |
| Steps taken to limit the duration and magnitude of vent or flare                                                                | Flare minimal mcf.                                                                           |
| Corrective actions taken to eliminate the cause and reoccurrence of vent or flare                                               | Downstream operator had gas plant shut down. This event was outside the control of operator. |

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ACKNOWLEDGMENTS

Action 185852

**ACKNOWLEDGMENTS**

|                                                                           |                                                               |
|---------------------------------------------------------------------------|---------------------------------------------------------------|
| Operator:<br>CAZA OPERATING, LLC<br>200 N Loraine St<br>Midland, TX 79701 | OGRID:<br>249099                                              |
|                                                                           | Action Number:<br>185852                                      |
|                                                                           | Action Type:<br>[C-129] Amend Venting and/or Flaring (C-129A) |

**ACKNOWLEDGMENTS**

|                                     |                                                                                                                                                                                                                                                                                                     |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | I acknowledge that with this application I will be amending an existing incident file (assigned to this operator) for a vent or flare event, pursuant to 19.15.27 and 19.15.28 NMAC.                                                                                                                |
| <input checked="" type="checkbox"/> | I acknowledge that amending an incident file does not replace original submitted application(s) or information and understand that any C-129 forms submitted to the OCD will be logged and stored as public record.                                                                                 |
| <input checked="" type="checkbox"/> | I hereby certify the statements in this amending 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 185852

**CONDITIONS**

|                                                                           |                                                               |
|---------------------------------------------------------------------------|---------------------------------------------------------------|
| Operator:<br>CAZA OPERATING, LLC<br>200 N Loraine St<br>Midland, TX 79701 | OGRID:<br>249099                                              |
|                                                                           | Action Number:<br>185852                                      |
|                                                                           | Action Type:<br>[C-129] Amend Venting and/or Flaring (C-129A) |

**CONDITIONS**

| Created By | Condition                                                                                                                                                                                  | Condition Date |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| tberry     | If the information provided in this report requires further amendment(s), submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event. | 2/14/2023      |