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C6+ Gas Analysis Report

|                                   |                             |                          |                                          |
|-----------------------------------|-----------------------------|--------------------------|------------------------------------------|
| <b>11555G</b>                     | <b>Catalina 30</b>          | <b>Catalina 30</b>       |                                          |
| Sample Point Code                 | Sample Point Name           | Sample Point Location    |                                          |
| <b>Laboratory Services</b>        | <b>2021049139</b>           | <b>1790</b>              | <b>S Waskas - Spot</b>                   |
| Source Laboratory                 | Lab File No                 | Container Identity       | Sampler                                  |
| <b>USA</b>                        | <b>USA</b>                  | <b>USA</b>               | <b>New Mexico</b>                        |
| District                          | Area Name                   | Field Name               | Facility Name                            |
| <b>Dec 6, 2021 10:45</b>          | <b>Dec 6, 2021 10:45</b>    | <b>Dec 7, 2021 07:35</b> | <b>Dec 7, 2021</b>                       |
| Date Sampled                      | Date Effective              | Date Received            | Date Reported                            |
| <b>44.00</b>                      | <b>System Administrator</b> | <b>550 @ 78</b>          |                                          |
| Ambient Temp (°F)                 | Flow Rate (Mcf)             | Analyst                  | Press PSI @ Temp °F<br>Source Conditions |
| <b>American Valve &amp; Meter</b> |                             | <b>Tascossa</b>          |                                          |
| Operator                          |                             | Lab Source Description   |                                          |

| Component          | Normalized Mol % | Un-Normalized Mol % | GPM           |
|--------------------|------------------|---------------------|---------------|
| H2S (H2S)          | 0.0500           | 0.05                |               |
| Nitrogen (N2)      | 1.3690           | 1.37                |               |
| CO2 (CO2)          | 0.1010           | 0.101               |               |
| Methane (C1)       | 72.8920          | 72.928              |               |
| Ethane (C2)        | 13.8490          | 13.856              | 3.7030        |
| Propane (C3)       | 7.2500           | 7.254               | 1.9970        |
| I-Butane (IC4)     | 0.9220           | 0.922               | 0.3020        |
| N-Butane (NC4)     | 2.1260           | 2.127               | 0.6700        |
| I-Pentane (IC5)    | 0.4580           | 0.458               | 0.1670        |
| N-Pentane (NC5)    | 0.4680           | 0.468               | 0.1700        |
| Hexanes Plus (C6+) | 0.5150           | 0.515               | 0.2230        |
| <b>TOTAL</b>       | <b>100.0000</b>  | <b>100.0490</b>     | <b>7.2320</b> |

| Gross Heating Values (Real, BTU/ft³) |           |                       |           |
|--------------------------------------|-----------|-----------------------|-----------|
| 14.696 PSI @ 60.00 Å°F               |           | 14.73 PSI @ 60.00 Å°F |           |
| Dry                                  | Saturated | Dry                   | Saturated |
| 1,331.6                              | 1,309.8   | 1,334.7               | 1,312.8   |

| Calculated Total Sample Properties            |                        |
|-----------------------------------------------|------------------------|
| GPA2145-16 *Calculated at Contract Conditions |                        |
| Relative Density Real                         | Relative Density Ideal |
| 0.7770                                        | 0.7741                 |
| Molecular Weight                              |                        |
| 22.4195                                       |                        |

| C6+ Group Properties |              |              |
|----------------------|--------------|--------------|
| Assumed Composition  |              |              |
| C6 - 60.000%         | C7 - 30.000% | C8 - 10.000% |

|                      |
|----------------------|
| Field H2S<br>500 PPM |
|----------------------|

**PROTREND STATUS:** Passed By Validator on Dec 8, 2021  
**DATA SOURCE:** Imported

**PASSED BY VALIDATOR REASON:** Close enough to be considered reasonable.

**VALIDATOR:** Dustin Armstrong

**VALIDATOR COMMENTS:** OK

Method(s): Gas C6+ - GPA 2261, Extended Gas - GPA 2286, Calculations - GPA 2172

| Analyzer Information |                   |                |              |
|----------------------|-------------------|----------------|--------------|
| Device Type:         | Gas Chromatograph | Device Make:   | Shimadzu     |
| Device Model:        | GC-2014           | Last Cal Date: | Nov 14, 2021 |

**Flared Volumes per Meter Readings:**

|            |          |
|------------|----------|
| 12/9/2021  | 1395 MCF |
| 12/10/2021 | 1697 MCF |
| 12/11/2021 | 1885 MCF |
| 12/12/2021 | 2033 MCF |
| 12/13/2021 | 2039 MCF |
| 12/14/2021 | 2133 MCF |
| 12/15/2021 | 2211 MCF |
| 12/16/2021 | 2216 MCF |
| 12/17/2021 | 2469 MCF |
| 12/18/2021 | 2430 MCF |
| 12/19/2021 | 2436 MCF |
| 12/20/2021 | 2521 MCF |
| 12/21/2021 | 2580 MCF |
| 12/22/2021 | 2472 MCF |
| 12/23/2021 | 1975 MCF |
| 12/24/2021 | 3062 MCF |
| 12/25/2021 | 3174 MCF |
| 12/26/2021 | 3217 MCF |
| 12/27/2021 | 3246 MCF |
| 12/28/2021 | 3374 MCF |

**Total: 48,565 MCF**

Catalina 25HE is a newly completed well. Unfortunately, the gas does not meet pipeline specifications due to high levels of H2S. Tascosa has purchased a treating tower and will do everything in our power to expedite delivery.

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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 69509

**DEFINITIONS**

|                                                                                         |                                                        |
|-----------------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>Tascosa Energy Partners, L.L.C<br>901 W. Missouri Ave<br>Midland, TX 79701 | OGRID:<br>329748                                       |
|                                                                                         | Action Number:<br>69509                                |
|                                                                                         | Action Type:<br>[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 69509

**QUESTIONS**

|                                                                                         |                                                        |
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| Operator:<br>Tascosa Energy Partners, L.L.C<br>901 W. Missouri Ave<br>Midland, TX 79701 | OGRID:<br>329748                                       |
|                                                                                         | Action Number:<br>69509                                |
|                                                                                         | Action Type:<br>[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                                                                                                                                                             | [30-015-48736] CATALINA 25 HE STATE #001H |
| Incident Facility                                                                                                                                                         | Not answered.                             |

|                                                                                                                                                                                                                                                                                     |                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| <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 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                                                |

|                                                           |               |
|-----------------------------------------------------------|---------------|
| <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                                                                                                             | 73            |
| 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                                                                         | 0             |
| 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                                                                                         | 2             |
| Hydrogen Sulfide (H2S) PPM quality requirement                                                                                       | 4             |
| Carbon Dioxide (CO2) percentage quality requirement                                                                                  | 2             |
| Oxygen (O2) percentage quality requirement                                                                                           | 10            |

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**QUESTIONS (continued)**

|                                                                                         |                                                        |
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|                                                                                         | Action Number:<br>69509                                |
|                                                                                         | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

**QUESTIONS**

| Date(s) and Time(s)                            |            |
|------------------------------------------------|------------|
| Date vent or flare was discovered or commenced | 12/27/2021 |
| 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   Producing Well   Natural Gas Flared   Released: 3,246 Mcf   Recovered: 0 Mcf   Lost: 3,246 Mcf ] |
| Other Released Details                                                    | Not answered.                                                                                                                             |
| Additional details for Measured or Estimated Volume(s). Please specify    | Measured                                                                                                                                  |
| 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                                                      | Nearest wellbore, Catalina 30EH, contains 0 ppm H2S. Therefore, Tascosa did not anticipate encountering H2S upon completion of the Catalina 25HE. |
| Steps taken to limit the duration and magnitude of vent or flare                                                                 | Tascosa has purchased a treating tower and will do everything in our power to expedite delivery.                                                  |
| Corrective actions taken to eliminate the cause and reoccurrence of vent or flare                                                | Tascosa will anticipate encountering H2S in the future and will have a solution ready prior to completing new wellbores.                          |

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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 69509

**CONDITIONS**

|                                                                                         |                                                        |
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|                                                                                         | Action Number:<br>69509                                |
|                                                                                         | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

**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. | 12/29/2021     |