

Number: 5030-22100031-001A

Midland Laboratory 2200 East I-20 Midland, TX 79706 Phone 432-689-7252

Oct. 03, 2022

Joey Cowley Ram Energy 1103 N. Eva Avenue Monahans, TX 79756

Station Name: CATTLEMAN 4 114H

Method: GPA-2261 Cylinder No: 1111-007891

Analyzed: 10/03/2022 13:52:03 by MGN

Sampled By: DE

**DERRICK BARRIENTES** 

Sample Of: C

Gas Spot 09/25/2022 15:00

Sample Conditions: 226.5 psig, @ 118.1 °F

## **Analytical Data**

| Components                | Mol. %                    | Wt. %        | GPM at<br>14.65 psia |                |       |  |
|---------------------------|---------------------------|--------------|----------------------|----------------|-------|--|
| Hydrogen Sulfide          | 0.0000                    | 0.0000       |                      | GPM TOTAL C2+  | 4.487 |  |
| Nitrogen                  | 1.1539                    | 1.3076       |                      | GPM TOTAL C3+  | 2.411 |  |
| Carbon Dioxide            | 15.5785                   | 27.7332      |                      | GPM TOTAL iC5+ | 0.672 |  |
| Methane                   | 67.8068                   | 44.0020      |                      |                |       |  |
| Ethane                    | 7.7782                    | 9.4608       | 2.0765               |                |       |  |
| Propane                   | 3.7569                    | 6.7012       | 1.0332               |                |       |  |
| Iso-butane                | 0.7583                    | 1.7828       | 0.2477               |                |       |  |
| n-Butane                  | 1.4559                    | 3.4230       | 0.4582               |                |       |  |
| Iso-pentane               | 0.5557                    | 1.6218       | 0.2029               |                |       |  |
| n-Pentane                 | 0.4573                    | 1.3346       | 0.1655               |                |       |  |
| Hexanes Plus              | 0.6985                    | 2.6330       | 0.3042               |                |       |  |
|                           | 100.0000                  | 100.0000     | 4.4882               |                |       |  |
| Calculated Physica        | I Properties              | 7            |                      | C6+            |       |  |
| Relative Density Rea      | al Gas                    | 0.8          | 3566                 | 3.2176         |       |  |
| Calculated Molecula       | r Weight                  | 2            | 4.72                 | 93.19          |       |  |
| Compressibility Factor    |                           | 0.0          | 9961                 |                |       |  |
| <b>GPA 2172 Calculati</b> | ion:                      |              |                      |                |       |  |
| Calculated Gross E        | BTU per ft <sup>3</sup> @ | 14.65 psia & | 60°F                 |                |       |  |
| Real Gas Dry BTU          |                           | •            | 1066                 | 5113           |       |  |
| Water Sat. Gas Base BTU   |                           | •            | 1048                 | 5024           |       |  |
| Comments: H2S F           | ield Content 0            | ppm          |                      |                |       |  |

Mour With

Data reviewed by: Marco Barrientos

Quality Assurance:

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



Number: 5030-22100031-002A

Midland Laboratory 2200 East I-20 Midland, TX 79706 Phone 432-689-7252

Oct. 03, 2022

Joey Cowley Ram Energy 1103 N. Eva Avenue Monahans, TX 79756

Station Name: NORTH 17 SALES

Method: GPA-2261 Cylinder No: 1111-008598

Analyzed: 10/03/2022 13:52:03 by MGN

Sampled By:

DERRICK BARRIENTES

Sample Of: Sample Date: Gas Spot 09/30/2022 13:30

Sample Conditions: 177.5 psig, @ 98 °F

## **Analytical Data**

| Components                | Mol. %                    | Wt. %        | GPM at<br>14.65 psia |                |       |  |
|---------------------------|---------------------------|--------------|----------------------|----------------|-------|--|
| Hydrogen Sulfide          | 0.0000                    | 0.0000       |                      | GPM TOTAL C2+  | 7.558 |  |
| Nitrogen                  | 1.3036                    | 1.4838       |                      | GPM TOTAL C3+  | 4.328 |  |
| Carbon Dioxide            | 4.4637                    | 7.9821       |                      | GPM TOTAL iC5+ | 1.075 |  |
| Methane                   | 68.2254                   | 44.4730      |                      |                |       |  |
| Ethane                    | 12.0884                   | 14.7695      | 3.2298               |                |       |  |
| Propane                   | 7.3383                    | 13.1483      | 2.0198               |                |       |  |
| Iso-butane                | 1.0979                    | 2.5929       | 0.3589               |                |       |  |
| n-Butane                  | 2.7738                    | 6.5508       | 0.8736               |                |       |  |
| Iso-pentane               | 0.7236                    | 2.1213       | 0.2644               |                |       |  |
| n-Pentane                 | 0.7476                    | 2.1917       | 0.2707               |                |       |  |
| Hexanes Plus              | 1.2377                    | 4.6866       | 0.5395               |                |       |  |
|                           | 100.0000                  | 100.0000     | 7.5567               |                |       |  |
| Calculated Physica        | I Properties              | 7            | Γotal                | C6+            |       |  |
| Relative Density Rea      | al Gas                    | 0.8          | 8535                 | 3.2176         |       |  |
| Calculated Molecula       |                           | 2            | 4.61                 | 93.19          |       |  |
| Compressibility Factor    |                           | 0.9          | 9953                 |                |       |  |
| <b>GPA 2172 Calculati</b> | ion:                      |              |                      |                |       |  |
| Calculated Gross E        | BTU per ft <sup>3</sup> @ | 14.65 psia & | 60°F                 |                |       |  |
| Real Gas Dry BTU          | •                         | •            | 1338                 | 5113           |       |  |
| Water Sat. Gas Base BTU   |                           |              | 1316                 | 5024           |       |  |
| Comments: H2S F           | ield Content 0            | ppm          |                      |                |       |  |

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Data reviewed by: Marco Barrientos

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Quality Assurance:



Number: 5030-22100031-003A

Midland Laboratory 2200 East I-20 Midland, TX 79706 Phone 432-689-7252

Oct. 03, 2022

Joey Cowley Ram Energy 1103 N. Eva Avenue Monahans, TX 79756

Station Name: CATTLEMAN 4 204H

Method: GPA-2261 Cylinder No: 5030-00208

Analyzed: 10/03/2022 13:52:13 by MGN

Sampled By: DERRICK BARRIENTES

Sample Of: Gas Spot Sample Date: 09/29/2022 15:00 Sample Conditions: 231.5 psig, @ 120.2 °F

## **Analytical Data**

| Hydrogen Sulfide<br>Nitrogen<br>Carbon Dioxide | 0.0000<br>1.6156 | 0.0000         |        |                |       |  |
|------------------------------------------------|------------------|----------------|--------|----------------|-------|--|
| Carbon Dioxide                                 | 1.6156           |                |        | GPM TOTAL C2+  | 4.276 |  |
|                                                |                  | 1.9318         |        | GPM TOTAL C3+  | 2.337 |  |
|                                                | 11.1165          | 20.8821        |        | GPM TOTAL iC5+ | 0.734 |  |
| Methane                                        | 72.6827          | 49.7696        |        |                |       |  |
| Ethane                                         | 7.2648           | 9.3240         | 1.9390 |                |       |  |
| Propane                                        | 3.1484           | 5.9258         | 0.8656 |                |       |  |
| Iso-butane                                     | 0.8942           | 2.2184         | 0.2920 |                |       |  |
| n-Butane                                       | 1.4136           | 3.5069         | 0.4448 |                |       |  |
| Iso-pentane                                    | 0.6406           | 1.9728         | 0.2338 |                |       |  |
| n-Pentane                                      | 0.4436           | 1.3661         | 0.1605 |                |       |  |
| Hexanes Plus                                   | 0.7800           | 3.1025         | 0.3397 |                |       |  |
|                                                | 100.0000         | 100.0000       | 4.2754 |                |       |  |
| Calculated Physical F                          | Properties       | To             | otal   | C6+            |       |  |
| Relative Density Real                          | Gas              | 0.8            | 116    | 3.2176         |       |  |
| Calculated Molecular V                         | Neight           | 23             | .43    | 93.19          |       |  |
| Compressibility Factor                         |                  | 0.99           | 963    |                |       |  |
| <b>GPA 2172 Calculation</b>                    | n:               |                |        |                |       |  |
| Calculated Gross BT                            | U per ft³ @      | 14.65 psia & 6 | 0°F    |                |       |  |
| Real Gas Dry BTU                               |                  | 11             | 101    | 5113           |       |  |
| Water Sat. Gas Base BTU                        |                  | 10             | )82    | 5024           |       |  |

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Data reviewed by: Marco Barrientos

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Quality Assurance:



Number: 5030-22100031-004A

Midland Laboratory 2200 East I-20 Midland, TX 79706 Phone 432-689-7252

Oct. 03, 2022

Joey Cowley Ram Energy 1103 N. Eva Avenue Monahans, TX 79756

Station Name: LD2 SOUTH BLOCK 212H

Method: GPA-2261

Analyzed: 10/03/2022 13:52:13 by MGN

Sampled By: DERRICK BARRIENTES

Sample Of: Gas Spot Sample Date: 09/30/2022 15:0

Sample Date: 09/30/2022 15:00 Sample Conditions: 292.4 psig, @ 108.5 °F

## **Analytical Data**

| Components                | Mol. %                    | Wt. %        | GPM at<br>14.65 psia |                |       |  |
|---------------------------|---------------------------|--------------|----------------------|----------------|-------|--|
| Hydrogen Sulfide          | 0.0000                    | 0.0000       |                      | GPM TOTAL C2+  | 4.236 |  |
| Nitrogen                  | 1.2322                    | 1.5301       |                      | GPM TOTAL C3+  | 2.203 |  |
| Carbon Dioxide            | 8.6756                    | 16.9243      |                      | GPM TOTAL iC5+ | 0.676 |  |
| Methane                   | 75.5545                   | 53.7276      |                      |                |       |  |
| Ethane                    | 7.6168                    | 10.1521      | 2.0327               |                |       |  |
| Propane                   | 3.2033                    | 6.2612       | 0.8806               |                |       |  |
| Iso-butane                | 0.7740                    | 1.9941       | 0.2527               |                |       |  |
| n-Butane                  | 1.2492                    | 3.2184       | 0.3930               |                |       |  |
| Iso-pentane               | 0.5063                    | 1.6192       | 0.1848               |                |       |  |
| n-Pentane                 | 0.3589                    | 1.1478       | 0.1298               |                |       |  |
| Hexanes Plus              | 0.8292                    | 3.4252       | 0.3610               |                |       |  |
|                           | 100.0000                  | 100.0000     | 4.2346               |                |       |  |
| Calculated Physica        | I Properties              |              | Total                | C6+            |       |  |
| Relative Density Rea      | al Gas                    | 0.           | 7814                 | 3.2176         |       |  |
| Calculated Molecula       | r Weight                  | 2            | 22.56                | 93.19          |       |  |
| Compressibility Factor    |                           | 0.           | 9964                 |                |       |  |
| <b>GPA 2172 Calculati</b> | ion:                      |              |                      |                |       |  |
| Calculated Gross E        | BTU per ft <sup>3</sup> @ | 14.65 psia & | 60°F                 |                |       |  |
| Real Gas Dry BTU          |                           | -            | 1122                 | 5113           |       |  |
| Water Sat. Gas Base BTU   |                           |              | 1103                 | 5024           |       |  |
| Comments: H2S F           | ield Content 0            | ppm          |                      |                |       |  |

Mour With

Data reviewed by: Marco Barrientos

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

Quality Assurance:

\*\*\*Calculations for the total Mcf flared\*\*\*
End Meter Volume – the Begin Meter Volume.

\*\*\*Composition for the gas has been entered into the question portion of the C-129. If further back up is needed please let us know and will provide requested data.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 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 324282

#### **DEFINITIONS**

| ( | Operator:                     | OGRID:                                        |
|---|-------------------------------|-----------------------------------------------|
|   | Earthstone Operating, LLC     | 331165                                        |
|   | 300 N. Marienfeld St Ste 1000 | Action Number:                                |
|   | Midland, TX 79701             | 324282                                        |
|   |                               | Action Type:                                  |
|   |                               | [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.

District I
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Phone: (575) 393-6161 Fax: (575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170 **District IV** 

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

QUESTIONS

Action 324282

| O                                                                                                                                                                                                                                                                                          | UESTIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Operator:                                                                                                                                                                                                                                                                                  | OGRID:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| Earthstone Operating, LLC<br>300 N. Marienfeld St Ste 1000                                                                                                                                                                                                                                 | 331165                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| Midland, TX 79701                                                                                                                                                                                                                                                                          | Action Number: 324282                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |
|                                                                                                                                                                                                                                                                                            | Action Type:  [C-129] Amend Venting and/or Flaring (C-129A)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| QUESTIONS                                                                                                                                                                                                                                                                                  | [O 120] Filliona Voliding and Of Flaming (O 1207)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| Prerequisites                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| Any messages presented in this section, will prevent submission of this application. Please resolve                                                                                                                                                                                        | these issues before continuing with the rest of the questions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Incident ID (n#)                                                                                                                                                                                                                                                                           | Unavailable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| Incident Name                                                                                                                                                                                                                                                                              | Unavailable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| Incident Type                                                                                                                                                                                                                                                                              | Flare                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| Incident Status                                                                                                                                                                                                                                                                            | Unavailable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| Incident Facility                                                                                                                                                                                                                                                                          | [fAPP2123840782] EL CAMPEON CTB 17N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
| Only valid Vent, Flare or Vent with Flaring incidents (selected above in the Application Details section                                                                                                                                                                                   | on) that are assigned to your current operator can be amended with this C-129A application.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
|                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| Determination of Reporting Requirements                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| Answer all questions that apply. The Reason(s) statements are calculated based on your answers at                                                                                                                                                                                          | T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| Was this vent or flare caused by an emergency or malfunction                                                                                                                                                                                                                               | No The state of th |  |
| Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event                                                                                                                                                                                 | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| Is this considered a submission for a vent or flare event                                                                                                                                                                                                                                  | Yes, minor venting and/or flaring of natural gas.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| An operator shall file a form C-141 instead of a form C-129 for a release that, includes liquid during v                                                                                                                                                                                   | enting and/or flaring that is or may be a major or minor release under 19.15.29.7 NMAC.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |
| 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 <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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
|                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| 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                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| Please provide the mole percent for the percentage questions in this group.  Methane (CH4) percentage                                                                                                                                                                                      | 68                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| Nitrogen (N2) percentage, if greater than one percent                                                                                                                                                                                                                                      | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| Hydrogen Sulfide (H2S) PPM, rounded up                                                                                                                                                                                                                                                     | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| Carbon Dioxide (C02) percentage, if greater than one percent                                                                                                                                                                                                                               | 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| Oxygen (02) percentage, if greater than one percent                                                                                                                                                                                                                                        | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| 2.1/3 (2.2) personage, ii groater than one personit                                                                                                                                                                                                                                        | 1 ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
| If you are venting and/or flaring because of Pipeline Specification, please provide the required spec                                                                                                                                                                                      | I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| Methane (CH4) percentage quality requirement                                                                                                                                                                                                                                               | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| Nitrogen (N2) percentage quality requirement                                                                                                                                                                                                                                               | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| Hydrogen Sufide (H2S) PPM quality requirement                                                                                                                                                                                                                                              | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |

0

Oxygen (02) percentage quality requirement

District I
1625 N. French Dr., Hobbs, NM 88240
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1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

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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**

QUESTIONS, Page 2

Action 324282

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|  |          |      |

| Operator:                     | OGRID:                                        |
|-------------------------------|-----------------------------------------------|
| Earthstone Operating, LLC     | 331165                                        |
| 300 N. Marienfeld St Ste 1000 | Action Number:                                |
| Midland, TX 79701             | 324282                                        |
|                               | Action Type:                                  |
|                               | [C-129] Amend Venting and/or Flaring (C-129A) |

#### QUESTIONS

| Date(s) and Time(s)                            |            |  |
|------------------------------------------------|------------|--|
| Date vent or flare was discovered or commenced | 03/15/2024 |  |
| 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             | 0          |  |

| leasured or Estimated Volume of Vented or Flared Natural Gas              |                                                                                                                      |  |  |
|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|--|--|
| Natural Gas Vented (Mcf) Details                                          | Not answered.                                                                                                        |  |  |
| Natural Gas Flared (Mcf) Details                                          | Cause: Normal Operations   Producing Well   Natural Gas Flared   Released: 52 MCF   Recovered: 0 MCF   Lost: 52 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 | No         |  |
| Downstream OGRID that should have notified this operator          | 0          |  |
| Date notified of downstream activity requiring this vent or flare | 03/17/2024 |  |
| Time notified of downstream activity requiring this vent or flare | 05:02 PM   |  |

| teps 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 | False                                            |  |  |  |
| Please explain reason for why this event was beyond this operator's control                                                     | Normal operations, vapors from production tanks. |  |  |  |
| Steps taken to limit the duration and magnitude of vent or flare                                                                | None, normal operations                          |  |  |  |
| Corrective actions taken to eliminate the cause and reoccurrence of vent or flare                                               | None, normal operations                          |  |  |  |

ACKNOWLEDGMENTS

Action 324282

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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**

### **ACKNOWLEDGMENTS**

| Operator:                     | OGRID:                                        |
|-------------------------------|-----------------------------------------------|
| Earthstone Operating, LLC     | 331165                                        |
| 300 N. Marienfeld St Ste 1000 | Action Number:                                |
| Midland, TX 79701             | 324282                                        |
|                               | Action Type:                                  |
| l l                           | [C-129] Amend Venting and/or Flaring (C-129A) |

#### **ACKNOWLEDGMENTS**

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

CONDITIONS

Action 324282

#### **CONDITIONS**

| Operator:                     | OGRID:                                        |
|-------------------------------|-----------------------------------------------|
| Earthstone Operating, LLC     | 331165                                        |
| 300 N. Marienfeld St Ste 1000 | Action Number:                                |
| Midland, TX 79701             | 324282                                        |
|                               | Action Type:                                  |
|                               | [C-129] Amend Venting and/or Flaring (C-129A) |

#### CONDITIONS

| Created<br>By |                                                                                                                                                                                            | Condition<br>Date |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| llatham       | 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. | 3/18/2024         |