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575.397.3713 2609 W Marland Hobbs NM 88240

C6+ Gas Analysis Report

16195G

ART82072

Shudde 27 CTB Flare

Sample Point Code

Sample Point Name

Sample Point Location

Laboratory Services

2023071212

0361

C MEYERS - Spot

Source Laboratory

Lab File No

Container Identity

Sampler

USA

USA

USA

New Mexico

District

Area Name

Field Name

Facility Name

Jun 28, 2023 09:00

Jun 28, 2023 09:00

Jul 6, 2023 08:19

Jul 6, 2023

Date Sampled

Date Effective

Date Received

Date Reported

84.00

822.10

Luis

79 @ 92

Ambient Temp (°F)

Flow Rate (Mcf)

Analyst

Press PSI @ Temp °F
Source Conditions

Silverback Exploration

NG

Operator

Lab Source Description

| Component | Normalized Mol % | Un-Normalized Mol % | GPM |
|--------------------|------------------|---------------------|--------|
| H2S (H2S) | 0.9000 | 0.9 | |
| Nitrogen (N2) | 2.0760 | 2.09461 | |
| CO2 (CO2) | 1.7240 | 1.73959 | |
| Methane (C1) | 72.9980 | 73.66132 | |
| Ethane (C2) | 12.0380 | 12.14668 | 3.2190 |
| Propane (C3) | 5.9340 | 5.98736 | 1.6340 |
| I-Butane (IC4) | 0.7870 | 0.79445 | 0.2570 |
| N-Butane (NC4) | 1.8380 | 1.85472 | 0.5790 |
| I-Pentane (IC5) | 0.4680 | 0.47257 | 0.1710 |
| N-Pentane (NC5) | 0.4490 | 0.45346 | 0.1630 |
| Hexanes Plus (C6+) | 0.7880 | 0.79525 | 0.3420 |
| TOTAL | 100.0000 | 100.9000 | 6.3650 |

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

Analyzer Information

Device Type:

Device Make:

Device Model:

Last Cal Date:

Gross Heating Values (Real, BTU/ft³)

| 14.696 PSI @ 60.00 Å°F | | 14.73 PSI @ 60.00 Å°F | |
|------------------------|-----------|-----------------------|-----------|
| Dry | Saturated | Dry | Saturated |
| 1,272.5 | 1,251.8 | 1,275.4 | 1,254.7 |

Calculated Total Sample Properties

GPA2145-16 *Calculated at Contract Conditions

Relative Density Real

Relative Density Ideal

0.7803

0.7775

Molecular Weight

22.5157

C6+ Group Properties

Assumed Composition

C6 - 60.000% C7 - 30.000% C8 - 10.000%

Field H2S

9000 PPM

PROTREND STATUS:

Passed By Validator on Jul 7, 2023

DATA SOURCE:

Imported

PASSED BY VALIDATOR REASON:

Close enough to be considered reasonable.

VALIDATOR:

. Rush

VALIDATOR COMMENTS:

OK

| <u>Operator</u> | <u>Well</u> | <u>Date</u> | <u>Gas Flared (MCF)</u> | <u>Method of Measurement</u> |
|------------------------------|---------------|-------------|-------------------------|--|
| Silverback Operating II, LLC | Shudde 27 CTB | 9/25/2023 | 1218 | Orifice Meter- Electronic Flow Computer |

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

DEFINITIONS

Action 272846

DEFINITIONS

| | |
|--|---|
| Operator: Silverback Operating II, LLC 19707 IH10 West, Suite 201 San Antonio, TX 78256 | OGRID: 330968 |
| | Action Number: 272846 |
| | 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: <ul style="list-style-type: none">• this application's operator, hereinafter "this operator";• venting and/or flaring, hereinafter "vent or flare";• any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";• the statements in (and/or attached to) this, hereinafter "the statements in this";• and the past tense will be used in lieu of mixed past/present tense questions and statements. |
|--|

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QUESTIONS

Action 272846

QUESTIONS

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QUESTIONS

| | |
|---|---------------------------------------|
| 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 Operator | [330968] Silverback Operating II, LLC |
| Incident Type | Flare |
| Incident Status | Closure Not Approved |
| Incident Well | Unavailable. |
| Incident Facility | [fAPP2305374956] Shudde 27 CTB |
| Only valid Vent, Flare or Vent with Flaring incidents (selected above in the Application Details section) that are assigned to your current operator can be amended with this C-129A application. | |

| | |
|--|---|
| Determination of Reporting Requirements | |
| Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance. | |
| Was this vent or flare caused by an emergency or malfunction | Yes |
| Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event | Yes |
| Is this considered a submission for a vent or flare event | Yes, major venting and/or flaring of natural gas. |
| An operator shall file a form C-141 instead of a form C-129 for a release that, includes liquid during venting and/or flaring that is or may be a major or minor release under 19.15.29.7 NMAC. | |
| Was there at least 50 MCF of natural gas vented and/or flared during this event | Yes |
| Did this vent or flare result in the release of ANY liquids (not fully and/or completely flared) that reached (or has a chance of reaching) the ground, a surface, a watercourse, or otherwise, with reasonable probability, endanger public health, the environment or fresh water | No |
| Was the vent or flare within an incorporated municipal boundary or within 300 feet from an occupied permanent residence, school, hospital, institution or church in existence | No |

| | |
|---|------------------------|
| Equipment Involved | |
| Primary Equipment Involved | Flow Line - Production |
| 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 | 73 |
| Nitrogen (N2) percentage, if greater than one percent | 2 |
| Hydrogen Sulfide (H2S) PPM, rounded up | 9,000 |
| Carbon Dioxide (CO2) percentage, if greater than one percent | 2 |
| Oxygen (O2) percentage, if greater than one percent | 0 |
| If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas. | |
| Methane (CH4) percentage quality requirement | Not answered. |
| Nitrogen (N2) percentage quality requirement | Not answered. |
| Hydrogen Sulfide (H2S) PPM quality requirement | Not answered. |
| Carbon Dioxide (CO2) percentage quality requirement | Not answered. |
| Oxygen (O2) percentage quality requirement | Not answered. |

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QUESTIONS, Page 2

Action 272846

QUESTIONS (continued)

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QUESTIONS

| Date(s) and Time(s) | |
|--|------------|
| Date vent or flare was discovered or commenced | 09/25/2023 |
| Time vent or flare was discovered or commenced | 12:00 AM |
| Time vent or flare was terminated | 11:59 AM |
| Cumulative hours during this event | 24 |

| Measured or Estimated Volume of Vented or Flared Natural Gas | |
|---|---|
| Natural Gas Vented (Mcf) Details | Not answered. |
| Natural Gas Flared (Mcf) Details | Cause: High Line Pressure Flow Line - Production Natural Gas Flared Released: 1,218 Mcf Recovered: 0 Mcf Lost: 1,218 Mcf. |
| Other Released Details | Cause: Other (Specify) Released: 0 (Unknown Released Amount) Recovered: 0 Lost: 0 |
| Additional details for Measured or Estimated Volume(s). Please specify | Not answered. |
| Is this a gas only submission (i.e. only significant Mcf values reported) | Yes, according to supplied volumes this appears to be a "gas only" report. |

| Venting or Flaring Resulting from Downstream Activity | |
|---|-----------------------------------|
| Was this vent or flare a result of downstream activity | Yes |
| Was notification of downstream activity received by this operator | No |
| Downstream OGRID that should have notified this operator | [36785] DCP OPERATING COMPANY, LP |
| Date notified of downstream activity requiring this vent or flare | |
| Time notified of downstream activity requiring this vent or flare | Not answered. |

| Steps and Actions to Prevent Waste | |
|---|--|
| For this event, this operator could not have reasonably anticipated the current event and it was beyond this operator's control | True |
| Please explain reason for why this event was beyond this operator's control | Silverback could not have anticipated the current event which was caused by high pressure in DCP's pipeline. DCP has a back pressure valve installed on their sales meter run that closes and diverts our gas to flare when their pressure increases above a set amount. |
| Steps taken to limit the duration and magnitude of vent or flare | We contacted DCP and notified them of our high line pressure. |
| Corrective actions taken to eliminate the cause and reoccurrence of vent or flare | DCP needs to install more compression so back up compression is available |

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ACKNOWLEDGMENTS

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ACKNOWLEDGMENTS

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|-------------------------------------|---|
| <input checked="" type="checkbox"/> | I acknowledge that with this application I will be amending an existing incident file (assigned to this operator) for a vent or flare event, pursuant to 19.15.27 and 19.15.28 NMAC. |
| <input checked="" type="checkbox"/> | I acknowledge that amending an incident file does not replace original submitted application(s) or information and understand that any C-129 forms submitted to the OCD will be logged and stored as public record. |
| <input checked="" type="checkbox"/> | I hereby certify the statements in this amending report are true and correct to the best of my knowledge and acknowledge that any false statement may be subject to civil and criminal penalties under the Oil and Gas Act. |
| <input checked="" type="checkbox"/> | I acknowledge that the acceptance of any C-129 forms by the OCD does not relieve this operator of liability should their operations have failed to adequately investigate, report, and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment. |
| <input checked="" type="checkbox"/> | I acknowledge that OCD acceptance of any C-129 forms does not relieve this operator of responsibility for compliance with any other applicable federal, state, or local laws and/or regulations. |

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CONDITIONS

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CONDITIONS

| Created By | Condition | Condition Date |
|------------|--|----------------|
| fabdallah | 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. | 10/5/2023 |