



| | | | |
|---------------------|----------------------|------------------------|--|
| 11049G | NHU CTB Inlet | NHU CTB Inlet | |
| Sample Point Code | Sample Point Name | Sample Point Location | |
| Laboratory Services | 2021048599 | 0421 | D Jett - Spot |
| Source Laboratory | Lab File No | Container Identity | Sampler |
| USA | USA | USA | New Mexico |
| District | Area Name | Field Name | Facility Name |
| Nov 22, 2021 09:20 | Nov 22, 2021 09:20 | Nov 22, 2021 15:49 | Nov 23, 2021 |
| Date Sampled | Date Effective | Date Received | Date Reported |
| 56.00 | System Administrator | | 40 @ 80 |
| Ambient Temp (°F) | Flow Rate (Mcf) | Analyst | Press PSI @ Temp °F Source Conditions |
| Oxy | | NG | |
| Operator | | Lab Source Description | |

| Component | Normalized Mol % | Un-Normalized Mol % | GPM |
|--------------------|------------------|---------------------|--------|
| H2S (H2S) | 1.8000 | 1.8 | |
| Nitrogen (N2) | 0.0940 | 0.096 | |
| CO2 (CO2) | 91.8670 | 93.552 | |
| Methane (C1) | 1.3750 | 1.4 | |
| Ethane (C2) | 0.2500 | 0.254 | 0.0670 |
| Propane (C3) | 1.0280 | 1.047 | 0.2830 |
| I-Butane (IC4) | 0.3200 | 0.326 | 0.1050 |
| N-Butane (NC4) | 0.9180 | 0.935 | 0.2890 |
| I-Pentane (IC5) | 0.5360 | 0.546 | 0.1960 |
| N-Pentane (NC5) | 0.4910 | 0.5 | 0.1780 |
| Hexanes Plus (C6+) | 1.3210 | 1.345 | 0.5730 |
| TOTAL | 100.0000 | 101.8010 | 1.6910 |

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

Analyzer Information

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

Gross Heating Values (Real, BTU/ft³)

| | | | |
|------------------------|-----------|-----------------------|-----------|
| 14.696 PSI @ 60.00 Å°F | | 14.73 PSI @ 60.00 Å°F | |
| Dry | Saturated | Dry | Saturated |
| 205.6 | 203.000 | 206.1 | 203.5 |

Calculated Total Sample Properties

GPA2145-16 *Calculated at Contract Conditions

| | |
|-----------------------|------------------------|
| Relative Density Real | Relative Density Ideal |
| 1.5464 | 1.5368 |
| Molecular Weight | |
| 44.5106 | |

C6+ Group Properties

Assumed Composition

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

Field H2S
18000 PPM

PROTREND STATUS:

Passed By Validator on Nov 24, 2021

DATA SOURCE:

Imported

PASSED BY VALIDATOR REASON:

Close enough to be considered reasonable.

VALIDATOR:

Dustin Armstrong

VALIDATOR COMMENTS:

OK

UPSET FLARING EVENT SPECIFIC JUSTIFICATIONS FORM**Facility:** North Hobbs CTB**Flare Date:** 03/04/2022**Duration of event:** 13hours and 30 minutes**MCF Flared:** 785**Start Time:** 05:30 PM**End Time:** 07:00 AM**Cause:** Power fail >Compression Equipment Malfunction >Inlet Control Valve >Scrubber line open**Method of Flared Gas Measurement:** Gas Flare Meter**Comments:** This upset event was not caused by any wells associated with the facility

-
1. **Reason why this event was beyond Operator's control:** The emissions event was caused by the unforeseen, unexpected, sudden, and unavoidable breakdown of equipment or process that was beyond the owner/operator's control and did not stem from activity that could have been foreseen and avoided, and could not have been avoided by good design, operation, and preventative maintenance practices. It is OXY's policy to route all stranded sales gas to a flare during an unforeseen and unavoidable emergency or malfunction, in order to minimize emissions as much as possible. The flare is regularly monitored to ensure flame is lit and meeting opacity requirements. Internal OXY compression equipment failure procedures ensure that upon a compressor unit shutdown, a production tech is promptly notified and is instructed to assess the issue as soon as possible in order to take prompt corrective action and minimize emissions. Upon arrival, production tech must assess whether compressor shutdown is damaged and will need repair, or whether there are other reasons. In this case the Facility went down on a 480-volt power fail. When the facility came back on line multiple pieces of equipment had shut in. An automatic Fischer control valve was in manual and had the flare scrubber line open, it continued to feed gas thru the flare line causing the Flare to burn. The compressor unit was working as designed and operated normally prior to the sudden and without warning malfunction. It was dark when the Facility was brought back on from the power surge and the OXY tech did not notice that the valve on the Fischer control valve was in Manual mode, after noticing the flare was continuing to burn after compressor was running the Tech started looking for the source of gas to the flare. Tech made adjustments to the valve and the flaring stopped.
 2. **Steps Taken to limit duration and magnitude of venting or flaring:** It is OXY's policy to route all stranded sales gas to a flare during an unforeseen and unavoidable emergency or malfunction, in order to minimize emissions as much as possible. In this case, the steps taken to limit duration and magnitude of flaring was for Oxy production techs to quickly respond to the compressor alarm, diagnose the issue, and make the necessary calls to seek additional assistance. By working together, Oxy technicians were able to troubleshoot the issue and restart the unit back to normal working service.
 3. **Corrective Actions taken to eliminate the cause and reoccurrence of venting or flaring:** The emissions event was caused by the unforeseen, unexpected, sudden, and unavoidable breakdown of equipment or process that was beyond the owner/operator's control, and did not stem from activity

that could have been foreseen and avoided, and could not have been avoided by good design, operation, and preventative maintenance practices. It is OXY's policy to route all stranded sales gas to a flare during an unforeseen and unavoidable emergency or malfunction, in order to minimize emissions as much as possible. Oxy cannot take any corrective actions to eliminate the cause and potential reoccurrence of compressor malfunctions as notwithstanding proper gas compressor design and operation, various forms of mechanical or technical issues can be sudden, reasonably unforeseeable and unexpected which can cause compressor unit malfunctions to occur without warning or advance notice. Oxy continually strives to maintain and operate its facility equipment in a manner consistent with good practices for minimizing emissions and reducing the number of emission events. The only actions that Oxy can take and handle that is within its control, is to continue with its compression equipment preventative maintenance program for this facility's compression equipment.

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

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

DEFINITIONS

Action 90288

DEFINITIONS

| | |
|---|---|
| Operator: OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294 | OGRID: 157984 |
| | Action Number: 90288 |
| | 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.

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QUESTIONS

Action 90288

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 | [157984] OCCIDENTAL PERMIAN LTD |
| Incident Type | Flare |
| Incident Status | Closure Not Approved |
| Incident Well | Not answered. |
| Incident Facility | [fJXK1521644806] North Hobbs Unit 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 | Other (Specify) |
| Additional details for Equipment Involved. Please specify | Power fail >Compression Equipment Malfunction >Inlet Control Valve >Scrubber line open |

Representative Compositional Analysis of Vented or Flared Natural Gas

Please provide the mole percent for the percentage questions in this group.

| | |
|--|--------|
| Methane (CH4) percentage | 1 |
| Nitrogen (N2) percentage, if greater than one percent | 0 |
| Hydrogen Sulfide (H2S) PPM, rounded up | 18,000 |
| Carbon Dioxide (CO2) percentage, if greater than one percent | 92 |
| 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 90288

QUESTIONS (continued)

| | |
|---|---|
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| | |

QUESTIONS

| Date(s) and Time(s) | |
|--|------------|
| Date vent or flare was discovered or commenced | 03/04/2022 |
| Time vent or flare was discovered or commenced | 05:30 PM |
| Time vent or flare was terminated | 07:00 AM |
| Cumulative hours during this event | 13 |

| Measured or Estimated Volume of Vented or Flared Natural Gas | |
|---|--|
| Natural Gas Vented (Mcf) Details | Not answered. |
| Natural Gas Flared (Mcf) Details | Cause: Other Other (Specify) Natural Gas Flared Released: 785 Mcf Recovered: 0 Mcf Lost: 785 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 | No |
| Was notification of downstream activity received by this operator | Not answered. |
| Downstream OGRID that should have notified this operator | Not answered. |
| Date notified of downstream activity requiring this vent or flare | Not answered. |
| Time notified of downstream activity requiring this vent or flare | Not answered. |

| Steps and Actions to Prevent Waste | |
|---|--|
| For this event, this operator could not have reasonably anticipated the current event and it was beyond this operator's control | True |
| Please explain reason for why this event was beyond this operator's control | The emissions event was caused by the unforeseen, unexpected, sudden, and unavoidable breakdown of equipment or process that was beyond the owner/operator's control and did not stem from activity that could have been foreseen and avoided, and could not have been avoided by good design, operation, and preventative maintenance practices. It is OXY's policy to route all stranded sales gas to a flare during an unforeseen and unavoidable emergency or malfunction, in order to minimize emissions as much as possible. The flare is regularly monitored to the ensure flame is lit and meeting opacity requirements. Internal OXY compression equipment failure procedures ensure that upon a compressor unit shutdown, a production tech is promptly notified and is instructed to assess the issue as soon as possible in order to take prompt corrective action and minimize emissions. Upon arrival, production tech must assess whether compressor shutdown is damaged and will need repair i, or whether there are other reasons. In this case the Facility went down on a 480-volt power fail. When the facility came back on line multiple pieces of equipment had shut in . An automatic Fischer control valve was in manual and had the flare scrubber line open, it continued to feed gas thru the flare line causing the Flare to burn. The compressor unit was working as designed and operated normally prior to the sudden and without warning malfunction. It was dark when the Facility was brought back on from the power surge and the OXY tech did not notice that the valve on the Fischer control valve was in Manual mode , after noticing the flare was continuing to burn after compressor was running the Tech started looking for the source of gas to the flare. Tech made adjustments to the valve and the flaring stopped. |
| Steps taken to limit the duration and magnitude of vent or flare | It is OXY's policy to route all stranded sales gas to a flare during an unforeseen and unavoidable emergency or malfunction, in order to minimize emissions as much as possible. In this case, the steps taken to limit duration and magnitude of flaring was for Oxy production techs to quickly respond to the compressor alarm, diagnose the issue, and make the necessary calls to seek additional assistance. By working together, Oxy technicians were able to troubleshoot the issue and restart the unit back to normal working service. |
| Corrective actions taken to eliminate the cause and reoccurrence of vent or flare | The emissions event was caused by the unforeseen, unexpected, sudden, and unavoidable breakdown of equipment or process that was beyond the owner/operator's control, and did not stem from activity that could have been foreseen and avoided, and could not have been avoided by good design, operation, and preventative maintenance practices. It is OXY's policy to route all stranded sales gas to a flare during an unforeseen and unavoidable emergency or malfunction, in order to minimize emissions as much as possible. Oxy cannot take any corrective actions to eliminate the cause and potential reoccurrence of compressor malfunctions as notwithstanding proper gas compressor design and operation, various forms of mechanical or technical issues can be sudden, reasonably unforeseeable and unexpected which can cause compressor unit malfunctions to occur without warning or advance notice. Oxy continually strives to maintain and operate its facility equipment in a manner consistent with good practices for minimizing emissions and reducing the number of emission events. The only actions that Oxy can take and handle that is within its control, is to continue with its compression equipment preventative maintenance program for this facility's compression equipment. |

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ACKNOWLEDGMENTS

Action 90288

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| | 157984 |
| | Action Number: |
| | 90288 |
| Action Type: | |
| [C-129] Amend Venting and/or Flaring (C-129A) | |

ACKNOWLEDGMENTS

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

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CONDITIONS

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CONDITIONS

| Created By | Condition | Condition Date |
|------------|--|----------------|
| srojas | 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. | 3/15/2022 |