


AKM MEASUREMENT SERVICES,LLC. Natural Gas Analysis Report
 GPA 2172-09/API 14.5 Report with GPA 2145-16 Physical Properties

| | Sample Information |
|----------------------------------|--------------------------------------|
| Sample Name | CORRAL 2 SOUTH STATION INLET |
| Technician | ANTHONY DOMINGUEZ |
| Analyzer Make & Model | INFICON MICRO GC |
| Last Calibration/Validation Date | 11-03-2023 |
| Meter Number | NA |
| Air temperature | 63 |
| Flow Rate (MCF/Day) | |
| Heat Tracing | HEATED HOSE & GASIFIER |
| Sample description/mtr name | CORRAL 2 SOUTH STATION INLET |
| Sampling Method | FILL & EMPTY |
| Operator | OCCIDENTAL PETROLEUM, OXY USA INC |
| State | NEW MEXICO |
| Region Name | PERMIAN_RESOURCES |
| Asset | NEW MEXICO |
| System | RANCH |
| FLOC | OP-L2100-CS005 |
| Sample Sub Type | COMP STATION |
| Sample Name Type | METER |
| Vendor | AKM MEASUREMENT |
| Cylinder # | 38905 |
| Sampled by | CHANDLER MONTGOMERY |
| Sample date | 11-1-2023 |
| Analyzed date | 11-03-2023 |
| Method Name | C9 |
| Injection Date | 2023-11-03 11:59:19 |
| Report Date | 2023-11-03 12:01:14 |
| EZReporter Configuration File | 1-16-2023 OXY GPA C9+ H2S #2.cfgx |
| Source Data File | 661cfdda-b53d-4ae9-a028-b52f2b3db2d4 |
| NGA Phys. Property Data Source | GPA Standard 2145-16 (FPS) |
| Data Source | INFICON Fusion Connector |

Component Results

| Component Name | Peak Area | Raw Amount | Response Factor | Norm Mole% | Gross HV (Dry) (BTU / Ideal cu.ft.) | Relative Gas Density (Dry) | GPM (Dry) (Gal. / 1000 cu.ft.) | |
|----------------|-----------|------------|-----------------|------------|-------------------------------------|----------------------------|--------------------------------|--|
| Nitrogen | 16421.8 | 0.9478 | 0.00005772 | 0.9428 | 0.0 | 0.00912 | 0.104 | |
| Methane | 975051.0 | 71.3657 | 0.00007319 | 70.9859 | 718.6 | 0.39319 | 12.090 | |
| CO2 | 2427.5 | 0.1159 | 0.00004774 | 0.1153 | 0.0 | 0.00175 | 0.020 | |
| Ethane | 291974.2 | 13.4774 | 0.00004616 | 13.4057 | 237.8 | 0.13918 | 3.602 | |
| H2S | 0.0 | 0.0000 | 0.00000000 | 0.0000 | 0.0 | 0.00000 | 0.000 | |
| Propane | 229342.5 | 7.5131 | 0.00003276 | 7.4731 | 188.5 | 0.11378 | 2.068 | |
| iso-butane | 104612.2 | 1.1718 | 0.00001120 | 1.1656 | 38.0 | 0.02339 | 0.383 | |
| n-Butane | 254085.4 | 2.8254 | 0.00001112 | 2.8104 | 91.9 | 0.05640 | 0.890 | |
| iso-pentane | 73025.7 | 0.7231 | 0.00000990 | 0.7193 | 28.8 | 0.01792 | 0.264 | |
| n-Pentane | 95662.5 | 0.9104 | 0.00000952 | 0.9055 | 36.4 | 0.02256 | 0.330 | |
| hexanes | 87528.0 | 0.8740 | 0.00000999 | 0.8693 | 41.4 | 0.02587 | 0.359 | |
| heptanes | 71956.0 | 0.4426 | 0.00000615 | 0.4403 | 24.3 | 0.01523 | 0.204 | |
| octanes | 28646.0 | 0.1573 | 0.00000549 | 0.1565 | 9.8 | 0.00617 | 0.081 | |
| nonanes+ | 3123.0 | 0.0104 | 0.00000332 | 0.0103 | 0.7 | 0.00046 | 0.006 | |
| Total: | | 100.5349 | | 100.0000 | 1416.2 | 0.82501 | 20.401 | |

Results Summary

| Result | Dry | Sat. | |
|---------------------------|----------|------|--|
| Total Un-Normalized Mole% | 100.5349 | | |
| Pressure Base (psia) | 14.730 | | |
| Temperature Base (Deg. F) | 60.00 | | |
| Flow to Impinger (scfh) | 0.0 | | |

| Result | Dry | Sat. | |
|--|--------|--------|--|
| Flowing Pressure (psia) | 49.3 | | |
| Gross Heating Value (BTU / Ideal cu.ft.) | 1416.2 | 1391.6 | |
| Gross Heating Value (BTU / Real cu.ft.) | 1423.2 | 1399.0 | |
| Relative Density (G), Real | 0.8287 | 0.8255 | |

Monitored Parameter Report

| Parameter | Value | Lower Limit | Upper Limit | Status | |
|----------------------------|----------|-------------|-------------|--------|--|
| Total un-normalized amount | 100.5349 | 97.0000 | 103.0000 | Pass | |

UPSET FLARING EVENT SPECIFIC JUSTIFICATIONS FORM**Facility:** Corral 2S CS**Flare Date:** 12/01/2024**Duration of Event:** 12 Hours**MCF Flared:** 2246**Start Time:** 02:00 AM**End Time:** 02:00 PM**Cause:** Emergency Flare > Downstream Activity > ETC > Equipment Issues**Method of Flared Gas Measurement:** Gas Flare Meter**1. Reason why this event was beyond Operator's control:**

The emissions event was caused by the unforeseen, unexpected, sudden, and unavoidable interruption, restriction, or complete shut-in of a gas pipeline by a third-party pipeline compressor station operator, which impacted Oxy's ability to send gas to them. This interruption, restriction, or complete shut-in of the gas pipeline by a third-party pipeline compression station operator is downstream of Oxy's custody transfer point and out of Oxy's control to foresee, avoid or prevent from happening and did not stem from any of Oxy's upstream facility activity that could have been foreseen and avoided, and could not have been avoided by good design, operation, and preventative maintenance practices. In this case, ETC, third party downstream operator, had equipment issues on their end, which in turn caused them to restrict their intake gas service capacity, suddenly and unexpectedly to Oxy, which in turn caused Oxy to have trouble with gas takeaway, which then triggered a flaring event to occur when gas backed up. This event could not have been foreseen, avoided, or prevented from happening as this event occurred with no advance notice or warning from ETC Gas Control or their field personnel.

2. Steps Taken to limit duration and magnitude of venting or flaring:

It is OXY's policy to route its stranded gas to a flare during an unforeseen and unavoidable emergency or malfunction, that is beyond Oxy's control to avoid, prevent or foresee, to minimize emissions as much as possible as part of the overall steps taken to limit duration and magnitude of flaring. In this case, ETC, third party downstream operator, had equipment issues on their end, which in turn caused them to restrict their intake gas service capacity, suddenly and unexpectedly to Oxy, which in turn caused Oxy to have trouble with gas takeaway, which then triggered a flaring event to occur when gas backed up. As soon as flaring was triggered, field personnel engaged in Oxy's third party pipeline operation curtailment reactive stratagems and quickly had the optimizer cut injection rates to wells. Once pressure stayed below the facility's flare trigger setpoints, did flaring cease. To mitigate the risks associated with overpressure and to ensure the safety of our operations, we have had to resort to controlled and safety flaring. This process allows us to safely burn off the excess gas, thereby preventing potential hazards such as equipment damage, leaks, or even explosions. While flaring is not Oxy's preferred method of handling excess gas, it is a necessary step under these exceptional circumstances to maintain the integrity and safety of our operations. This flaring situation was beyond OXY's control, but Oxy took all possible measures to reduce emissions effectively.

3. Corrective Actions taken to eliminate the cause and reoccurrence of venting or flaring:

Oxy is unable to take any corrective actions to eliminate the cause and potential reoccurrence of a downstream third-party owned and operated gas plant's issues, as this is downstream of Oxy's custody transfer point and out of Oxy's control to foresee, avoid, prevent from happening or reoccur. When ETC has equipment issues or greatly struggles to handle the volume of gas being sent to them by Oxy, ETC then restricts Oxy's ability to send gas, which then prompts Oxy to route all its stranded gas not pushed into the Enterprise gas pipeline, to flare. OXY makes every effort to control and minimize emissions as much as possible. The only actions that Oxy can take and handle that is within its control, is to continually communicate with ETC personnel, who own and operate the sales gas pipeline, when possible, during these types of circumstances.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

DEFINITIONS

Action 413507

DEFINITIONS

| | |
|--|---|
| Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294 | OGRID: 16696 |
| | Action Number: 413507 |
| | Action Type: [C-129] Amend Venting and/or Flaring (C-129A) |

DEFINITIONS

| |
|---|
| <p>For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application:</p> <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 413507

QUESTIONS

| | |
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QUESTIONS

| | |
|--|---|
| Prerequisites <i>Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.</i> | |
| Incident ID (n#) | Unavailable. |
| Incident Name | Unavailable. |
| Incident Type | Flare |
| Incident Status | Unavailable. |
| Incident Facility | [fAPP2126640958] CORRAL #2 SOUTH COMP STATION |
| <i>Only valid Vent, Flare or Vent with Flaring incidents (selected above in the Application Details section) that are assigned to your current operator can be amended with this C-129A application.</i> | |

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

| | |
|---|--|
| Equipment Involved | |
| Primary Equipment Involved | Other (Specify) |
| Additional details for Equipment Involved. Please specify | Emergency Flare > Downstream Activity > ETC > Equipment Issues |

| | |
|--|----|
| Representative Compositional Analysis of Vented or Flared Natural Gas <i>Please provide the mole percent for the percentage questions in this group.</i> | |
| Methane (CH4) percentage | 71 |
| Nitrogen (N2) percentage, if greater than one percent | 1 |
| Hydrogen Sulfide (H2S) PPM, rounded up | 0 |
| Carbon Dioxide (CO2) percentage, if greater than one percent | 0 |
| Oxygen (O2) percentage, if greater than one percent | 0 |
| <i>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</i> | |
| Methane (CH4) percentage quality requirement | 0 |
| Nitrogen (N2) percentage quality requirement | 0 |
| Hydrogen Sulfide (H2S) PPM quality requirement | 0 |
| Carbon Dioxide (CO2) percentage quality requirement | 0 |
| Oxygen (O2) percentage quality requirement | 0 |

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QUESTIONS, Page 2

Action 413507

QUESTIONS (continued)

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| Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294 | OGRID: 16696 |
| | Action Number: 413507 |
| | 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 | 12/01/2024 |
| Time vent or flare was discovered or commenced | 02:00 AM |
| Time vent or flare was terminated | 02:00 PM |
| Cumulative hours during this event | 12 |

| 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: 2,246 MCF Recovered: 0 MCF Lost: 2,246 MCF. |
| Other Released Details | Not answered. |
| Additional details for Measured or Estimated Volume(s). Please specify | Gas Flare Meter |
| 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 | [267255] ENERGY TRANSFER PARTNERS, 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 | The emissions event was caused by the unforeseen, unexpected, sudden, and unavoidable interruption, restriction, or complete shut-in of a gas pipeline by a third-party pipeline compressor station operator, which impacted Oxy's ability to send gas to them. This interruption, restriction, or complete shut-in of the gas pipeline by a third-party pipeline compression station operator is downstream of Oxy's custody transfer point and out of Oxy's control to foresee, avoid or prevent from happening and did not stem from any of Oxy's upstream facility activity that could have been foreseen and avoided, and could not have been avoided by good design, operation, and preventative maintenance practices. In this case, ETC, third party downstream operator, had equipment issues on their end, which in turn caused them to restrict their intake gas service capacity, suddenly and unexpectedly to Oxy, which in turn caused Oxy to have trouble with gas takeaway, which then triggered a flaring event to occur when gas backed up. This event could not have been foreseen, avoided, or prevented from happening as this event occurred with no advance notice or warning from ETC Gas Control or their field personnel. |
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| | |
|---|--|
| Steps taken to limit the duration and magnitude of vent or flare | takeaway, which then triggered a flaring event to occur when gas backed up. As soon as flaring was triggered, field personnel engaged in Oxy's third party pipeline operation curtailment reactive stratagems and quickly had the optimizer cut injection rates to wells. Once pressure stayed below the facility's flare trigger setpoints, did flaring cease. To mitigate the risks associated with overpressure and to ensure the safety of our operations, we have had to resort to controlled and safety flaring. This process allows us to safely burn off the excess gas, thereby preventing potential hazards such as equipment damage, leaks, or even explosions. While flaring is not Oxy's preferred method of handling excess gas, it is a necessary step under these exceptional circumstances to maintain the integrity and safety of our operations. This flaring situation was beyond OXY's control, but Oxy took all possible measures to reduce emissions effectively. |
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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 |
|---------------|--|----------------|
| shelbyschoepf | 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. | 12/18/2024 |