


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 1 COMP STATION ENERGY TRANSFER CHECK |
| Technician | ANTHONY DOMINGUEZ |
| Analyzer Make & Model | INFICON MICRO GC |
| Last Calibration/Validation Date | 12-22-2023 |
| Meter Number | 18000C |
| Air temperature | 75 |
| Flow Rate (MCF/Day) | 10994.4 |
| Heat Tracing | HEATED HOSE & GASIFIER |
| Sample description/mtr name | CORRAL 1 COMP STATION ENERGY TRANSFER CHECK |
| Sampling Method | FILL & EMPTY |
| Operator | OCCIDENTAL PETROLEUM, OXY USA INC |
| State | NEW MEXICO |
| Region Name | PERMIAN_RESOURCES |
| Asset | NEW MEXICO |
| System | WEST |
| FLOC | OP-L2100-CS002 |
| Sample Sub Type | CDP |
| Sample Name Type | METER |
| Vendor | AKM MEASUREMENT |
| Cylinder # | 38558 |
| Sampled by | LUIS JIMENEZ |
| Sample date | 12-19-2023 |
| Analyzed date | 12-27-2023 |
| Method Name | C9 |
| Injection Date | 2023-12-27 13:25:54 |
| Report Date | 2023-12-27 13:40:34 |
| EZReporter Configuration File | 1-16-2023 OXY GPA C9+ H2S #2.cfgx |
| Source Data File | 4ffff345-bc68-4db2-8147-c637303310dc |
| 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 | 18464.5 | 1.0507 | 0.00005691 | 1.0477 | 0.0 | 0.01013 | 0.116 |
| Methane | 1004683.5 | 73.2049 | 0.00007286 | 72.9925 | 738.9 | 0.40431 | 12.423 |
| CO2 | 2884.6 | 0.1373 | 0.00004761 | 0.1369 | 0.0 | 0.00208 | 0.023 |
| Ethane | 294823.4 | 13.5896 | 0.00004609 | 13.5501 | 240.4 | 0.14068 | 3.638 |
| H2S | 0.0 | 0.0000 | 0.00000000 | 0.0000 | 0.0 | 0.00000 | 0.000 |
| Propane | 232845.8 | 7.6298 | 0.00003277 | 7.6076 | 191.9 | 0.11583 | 2.104 |
| iso-butane | 90764.2 | 1.0038 | 0.00001106 | 1.0009 | 32.6 | 0.02009 | 0.329 |
| n-Butane | 216339.3 | 2.3788 | 0.00001100 | 2.3719 | 77.6 | 0.04760 | 0.751 |
| iso-pentane | 44794.4 | 0.4377 | 0.00000977 | 0.4364 | 17.5 | 0.01087 | 0.160 |
| n-Pentane | 48472.9 | 0.4549 | 0.00000938 | 0.4536 | 18.2 | 0.01130 | 0.165 |
| hexanes | 24895.0 | 0.2454 | 0.00000986 | 0.2447 | 11.7 | 0.00728 | 0.101 |
| heptanes | 18668.0 | 0.1128 | 0.00000604 | 0.1124 | 6.2 | 0.00389 | 0.052 |
| octanes | 7975.0 | 0.0428 | 0.00000537 | 0.0427 | 2.7 | 0.00168 | 0.022 |
| nonanes+ | 797.0 | 0.0026 | 0.00000326 | 0.0026 | 0.2 | 0.00012 | 0.001 |
| Total: | | 100.2912 | | 100.0000 | 1337.8 | 0.77585 | 19.886 |

Results Summary

| Result | Dry | Sat. |
|------------------------------|----------|------|
| Total Un-Normalized Mole% | 100.2912 | |
| Pressure Base (psia) | 14.730 | |
| Temperature Base (Deg. F) | 60.00 | |
| Flowing Temperature (Deg. F) | 110.8 | |

| Result | Dry | Sat. | |
|--|--------|--------|--|
| Flowing Pressure (psia) | 1288.3 | | |
| Gross Heating Value (BTU / Ideal cu.ft.) | 1337.8 | 1314.5 | |
| Gross Heating Value (BTU / Real cu.ft.) | 1343.4 | 1320.6 | |
| Relative Density (G), Real | 0.7788 | 0.7764 | |

Monitored Parameter Report

| Parameter | Value | Lower Limit | Upper Limit | Status | |
|----------------------------|----------|-------------|-------------|--------|--|
| Total un-normalized amount | 100.2912 | 97.0000 | 103.0000 | Pass | |

UPSET FLARING EVENT SPECIFIC JUSTIFICATIONS FORM**Facility:** Corral 1S CS**Flare Date:** 01/20/2024**Duration of Event:** 5 Hours 50 Minutes**MCF Flared:** 6365**Start Time:** 11:00 AM**End Time:** 04:50 PM**Cause:** Emergency Flare > Multiple Compression Equipment Issues**Method of Flared Gas Measurement:** Gas Flare Meter

1. Reason why this event was beyond Operator's control:

This 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. Oxy engages in respectable and good facility operation practices while also maintaining its continuous facility equipment preventative maintenance program. In this case, there were multiple sudden and unexpected compression equipment malfunctions, within a 24-hour period, which in turn, then prompted high field pressure to occur several times, which then triggered intermittent flaring to occur throughout the day. This event is out of OXY's control yet OXY made every effort to control and minimize emissions as much as possible.

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. The flare at this facility has a 98% combustion efficiency to lessen emissions as much as possible. In this case, there were multiple sudden and unexpected compression equipment malfunctions, within a 24-hour period, which in turn, then prompted high field pressure to occur several times, which then triggered intermittent flaring to occur throughout the day. As soon as flaring occurred, the facility's well optimizer adjusted injection rates and field personnel manually shut-in wells to mitigate and subsequently cease flaring in each occurrence. 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. Compressor engines are designed to operate in a precise manner and when malfunctions occur, it disrupts the compression unit's operating manner and robs the compression engine of power, thus, causing an automatic shutdown of the unit. This event is out of OXY's control yet OXY made every effort to control and minimize emissions as much as possible.

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

Oxy is limited in the corrective actions available to them to eliminate the cause and potential reoccurrence of compressor malfunctions as notwithstanding compressor engine design and operation, compressors are inherently dynamic and even the smallest alarms, false or true, can be sudden, reasonably unforeseeable and unexpected which can cause compression malfunctions to occur, thereby, triggering the unit's sensors to automatically shut down the unit to avoid catastrophic damage to the internal engine components. Oxy continually strives to maintain and operate all its equipment in a manner consistent with good practices for minimizing emissions and reducing the number of emission events. Oxy has a strong and positive equipment preventative maintenance program in place.

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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 321951

DEFINITIONS

| | |
|--|---|
| Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294 | OGRID: 16696 |
| | Action Number: 321951 |
| | 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 321951

QUESTIONS

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| | Action Number: 321951 |
| | Action Type: [C-129] Amend Venting and/or Flaring (C-129A) |

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 ID (n#) | Unavailable. |
| Incident Name | Unavailable. |
| Incident Type | Flare |
| Incident Status | Unavailable. |
| Incident Facility | [fAPP2126641362] CORRAL #1 COMP STATION |
| 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 | No |
| 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 | Emergency Flare > Multiple Compression Equipment Issues |

| | |
|---|----|
| 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 | 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 |
| If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas. | |
| 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 321951

QUESTIONS (continued)

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|--|---|
| Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294 | OGRID: 16696 |
| | Action Number: 321951 |
| | 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 | 01/20/2024 |
| Time vent or flare was discovered or commenced | 11:00 AM |
| Time vent or flare was terminated | 04:50 PM |
| Cumulative hours during this event | 6 |

| 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: 6,365 Mcf Recovered: 0 Mcf Lost: 6,365 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 | 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 | |
| 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 | False |
| Please explain reason for why this event was beyond this operator's control | This 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. Oxy engages in respectable and good facility operation practices while also maintaining its continuous facility equipment preventative maintenance program. In this case, there were multiple sudden and unexpected compression equipment malfunctions, within a 24-hour period, which in turn, then prompted high field pressure to occur several times, which then triggered intermittent flaring to occur throughout the day. This event is out of OXY's control yet OXY made every effort to control and minimize emissions as much as possible. |
| Steps taken to limit the duration and magnitude of vent or flare | 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. The flare at this facility has a 98% combustion efficiency to lessen emissions as much as possible. In this case, there were multiple sudden and unexpected compression equipment malfunctions, within a 24-hour period, which in turn, then prompted high field pressure to occur several times, which then triggered intermittent flaring to occur throughout the day. As soon as flaring occurred, the facility's well optimizer adjusted injection rates and field personnel manually shut-in wells to mitigate and subsequently cease flaring in each occurrence. Notwithstanding proper gas compressor design and operation, various |

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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

Action 321951

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CONDITIONS

| Created By | Condition | Condition Date |
|------------|--|----------------|
| marialuna2 | 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. | 3/10/2024 |