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575.397.3713 2609 W Marland Hobbs NM 88240

## C6+ Gas Analysis Report

|                            |                           |                           |  |
|----------------------------|---------------------------|---------------------------|--|
| <b>8571G</b>               | <b>NHU NIB Inlet</b>      | <b>NHU NIB Inlet</b>      |  |
| Sample Point Code          | Sample Point Name         | Sample Point Location     |  |
| <b>Laboratory Services</b> | <b>2021048602</b>         | <b>1872</b>               | <b>D Jett - Spot</b>                     |
| Source Laboratory          | Lab File No               | Container Identity        | Sampler                                  |
| <b>USA</b>                 | <b>USA</b>                | <b>USA</b>                | <b>New Mexico</b>                        |
| District                   | Area Name                 | Field Name                | Facility Name                            |
| <b>Nov 19, 2021 13:45</b>  | <b>Nov 19, 2021 13:45</b> | <b>Nov 22, 2021 16:01</b> | <b>Nov 23, 2021</b>                      |
| Date Sampled               | Date Effective            | Date Received             | Date Reported                            |
| <b>68.00</b>               | <b>Luis</b>               | <b>45 @ 82</b>            |  |
| Ambient Temp (°F)          | Flow Rate (Mcf)           | Analyst                   | Press PSI @ Temp °F<br>Source Conditions |
| <b>Oxy</b>                 |                           | <b>NG</b>                 |  |
| Operator                   |                           | Lab Source Description    |  |

| Component          | Normalized Mol % | Un-Normalized Mol % | GPM    |
|--------------------|------------------|---------------------|--------|
| H2S (H2S)          | 0.9000           | 0.9                 |        |
| Nitrogen (N2)      | 0.2400           | 0.24239             |        |
| CO2 (CO2)          | 92.5020          | 93.34201            |        |
| Methane (C1)       | 0.8980           | 0.90573             |        |
| Ethane (C2)        | 0.2980           | 0.30082             | 0.0800 |
| Propane (C3)       | 1.1120           | 1.12175             | 0.3060 |
| I-Butane (IC4)     | 0.3890           | 0.39249             | 0.1270 |
| N-Butane (NC4)     | 1.1060           | 1.1164              | 0.3490 |
| I-Pentane (IC5)    | 0.5870           | 0.59254             | 0.2150 |
| N-Pentane (NC5)    | 0.5530           | 0.55837             | 0.2000 |
| Hexanes Plus (C6+) | 1.4150           | 1.42751             | 0.6140 |
| TOTAL              | 100.0000         | 100.9000            | 1.8910 |

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 |
| 215.8                  | 213.000   | 216.3                 | 213.5     |

## Calculated Total Sample Properties

GPA2145-16 \*Calculated at Contract Conditions

|                       |                        |
|-----------------------|------------------------|
| Relative Density Real | Relative Density Ideal |
| <b>1.5574</b>         | <b>1.5474</b>          |
| Molecular Weight      |                        |
| <b>44.8177</b>        |                        |

## C6+ Group Properties

Assumed Composition

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

Field H2S  
9000 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

|   |  |
|---|--|
| 1 | <b>Reason why this event was beyond Operator's control:</b>  |
|   | <p>Oxy engages in respectable and good facility operation practices while also maintaining its continuous equipment preventative maintenance program. Internal OXY procedures ensure that upon a gas compressor unit shutdown, production techs are promptly notified via an equipment alarm notification app and are trained to respond immediately in order to assess the issue as soon as possible, so that prompt corrective actions are taken to minimize emissions. Oxy production techs must assess whether a gas compressor unit shutdown is due to damage and repair is needed, or whether there are other reasons for its cause.</p> <p>In this case, this facility is an unmanned location and therefore, the Oxy production tech, upon receiving the malfunction alarm for the North Hobbs Unit NIB, quickly drove to the facility from another distant facility location. Upon the production tech's arrival, the immediate steps taken was to check the lube oil level due to this was the alarm the unit went down on he then inspected the unit for additional potential issues. The NIB compressor has locked up,so he then called the mechanic out to troubleshoot , the mechanic found that while installing the coupling we went to roll the unit to line up bolt holes on the motor hub and found that we could not. We unbolted the coupling and removed the seal cover to ensure we did not have issues with thrust locking us up. resulting in motor failure . The unit will have to be pulled and sent in to be repaired.</p> |
|   |  |
| 2 | <b>Steps Taken to limit duration and magnitude of venting or flaring:</b>  |
|   | <p>It is OXY's policy to route all stranded sales gas to a flare during a sudden, unforeseen and unavoidable emergency or malfunction, in order to minimize emissions as much as possible. The flare at this facility has a 98% combustion efficiency in order to lessen emissions as much as possible. The flare is regularly monitored to the ensure flame is lit and meeting opacity requirements. In this case, the tech started two smaller compressors 1 &amp; 2 to ensure we have maximum flow through the units. The field has curtailed wells to eliminate flaring</p>  |

|          |   |
|----------|---|
|          |   |
| <b>3</b> | <b>Corrective Actions taken to eliminate the cause and reoccurrence of venting or flaring:</b>  |
|          | <p>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 its facility and its 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 preventative maintenance program for this facility and its compression equipment.</p> |

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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 226125

DEFINITIONS

|   |  |
|---|--|
| Operator:<br>OCCIDENTAL PERMIAN LTD<br>P.O. Box 4294<br>Houston, TX 772104294 | OGRID:<br>157984                                       |
|   | Action Number:<br>226125                               |
|   | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

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"><li>• this application's operator, hereinafter "this operator";</li><li>• venting and/or flaring, hereinafter "vent or flare";</li><li>• any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";</li><li>• the statements in (and/or attached to) this, hereinafter "the statements in this";</li><li>• and the past tense will be used in lieu of mixed past/present tense questions and statements.</li></ul> |
|--|

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QUESTIONS

Action 226125

**QUESTIONS**

|   |  |
|---|--|
| Operator:<br>OCCIDENTAL PERMIAN LTD<br>P.O. Box 4294<br>Houston, TX 772104294 | OGRID:<br>157984                                       |
|   | Action Number:<br>226125                               |
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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 Well     | Unavailable.                         |
| Incident Facility | [fKJ1518128159] North Hobbs Unit NIB |

**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, 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 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 <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 within 300 feet from an occupied permanent residence, school, hospital, institution or church in existence  | No  |

**Equipment Involved**

|   |                |
|---|----------------|
| Primary Equipment Involved                                | Producing Well |
| 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                                     | 1  |
| Nitrogen (N2) percentage, if greater than one percent        | 0  |
| Hydrogen Sulfide (H2S) PPM, rounded up                       | 1  |
| Carbon Dioxide (CO2) percentage, if greater than one percent | 93 |
| 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 226125

**QUESTIONS (continued)**

|   |  |
|---|--|
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|   | Action Number:<br>226125                               |
|   | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

**QUESTIONS**

| Date(s) and Time(s)                            |            |
|--|------------|
| Date vent or flare was discovered or commenced | 06/09/2023 |
| Time vent or flare was discovered or commenced | 11:40 PM   |
| Time vent or flare was terminated              | 11:59 PM   |
| Cumulative hours during this event             | 9          |

| Measured or Estimated Volume of Vented or Flared Natural Gas              |  |
|---|--|
| Natural Gas Vented (Mcf) Details  | Not answered.  |
| Natural Gas Flared (Mcf) Details  | Cause: Equipment Failure   Producing Well   Natural Gas Flared   Released: 83 Mcf   Recovered: 0 Mcf   Lost: 83 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 | 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  | Oxy engages in respectable and good facility operation practices while also maintaining its continuous equipment preventative maintenance program. Internal OXY procedures ensure that upon a gas compressor unit shutdown, production techs are promptly notified via an equipment alarm notification app and are trained to respond immediately in order to assess the issue as soon as possible, so that prompt corrective actions are taken to minimize emissions. Oxy production techs must assess whether a gas compressor unit shutdown is due to damage and repair is needed, or whether there are other reasons for its cause. In this case, this facility is an unmanned location and therefore, the Oxy production tech, upon receiving the malfunction alarm for the North Hobbs Unit NIB, quickly drove to the facility from another distant facility location. Upon the production tech's arrival, the immediate steps taken was to check the lube oil level due to this was the alarm the unit went down on he then inspected the unit for additional potential issues. The NIB compressor has locked up,so he then called the mechanic out to troubleshoot , the mechanic found that while installing the coupling we went to roll the unit to line up bolt holes on the motor hub and found that we could not. We unbolted the coupling and removed the seal cover to ensure we did not have issues with thrust locking us up. resulting in motor failure . The unit will have to be pulled and sent in to be repaired. |
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|   |  |
|---|--|
| Steps taken to limit the duration and magnitude of vent or flare                  | possible. The flare at this facility has a 98% combustion efficiency in order to lessen emissions as much as possible. The flare is regularly monitored to the ensure flame is lit and meeting opacity requirements. In this case, the tech started two smaller compressors 1 & 2 to ensure we have maximum flow through the units. The field has curtailed wells to eliminate flaring   |
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ACKNOWLEDGMENTS

Action 226125

ACKNOWLEDGMENTS

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|   | Action Number:<br>226125                               |
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ACKNOWLEDGMENTS

|                                     |   |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | I acknowledge that I am authorized to submit a <i>Venting and/or Flaring</i> (C-129) report on behalf of this operator and understand that this report can be a <b>complete</b> C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.  |
| <input checked="" type="checkbox"/> | I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to this operator) to track any C-129 forms, pursuant to 19.15.27.7 and 19.15.28.8 NMAC and understand that this submission meets the notification requirements of Paragraph (1) of Subsection G and F respectively. |
| <input checked="" type="checkbox"/> | I hereby certify the statements in this 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 226125

CONDITIONS

|   |  |
|---|--|
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CONDITIONS

| Created By | Condition  | Condition Date |
|------------|--|----------------|
| srojas     | If the information provided in this report requires an amendment, submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event. | 6/11/2023      |