



**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	
Relative Density	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

**Flare Date:** 02/19/2024

**Duration of Event:** 40 Minutes

**MCF Flared:** 399

**Start Time:** 11:40 AM

**End Time:** 12:20 PM

**Cause:** Emergency Flare > Third Party Downstream Activity > Enterprise > Flow Rate Reduction

**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, Enterprise, third party operated downstream pipeline operator, suddenly and unexpectedly reduced their flow intake of sales gas, which then prompted high line pressure to occur, which then triggered a flaring event to occur. Oxy is unable to predict or anticipate when Enterprise will have issues as this is beyond Oxy's control. Every necessary precaution was taken to ensure that minimization of flaring was done. This event could not have been foreseen, avoided or prevented from happening as it occurred with no advance notice or warning.

#### 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, Enterprise, third party operated downstream pipeline operator, suddenly and unexpectedly reduced their flow intake of sales gas, which then prompted high line pressure to occur, which then triggered a flaring event to occur. Oxy is unable to predict or anticipate when Enterprise will have issues as this is beyond Oxy's control. Every necessary precaution was taken to ensure that minimization of flaring was done. As soon as flaring was triggered, field area's mitigation optimizers cut injection rates to wells to reduce injection and sales gas across the area so that field pressure would stay below the flare trigger setpoints of the facility to cease flaring. 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 unable to take any corrective actions to eliminate the cause and potential reoccurrence of a downstream third-party owned and operated equipment or operational 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. Enterprise will have issues which may reoccur from time to time and may trigger a spike in the gas line pressure, which in turn, directly impacts Oxy's ability to send gas to them, which then prompts Oxy to route all its stranded gas not pushed into Enterprise's gas pipeline, to flare. The only actions that Oxy can take and handle that is within its control, is to continually attempt to communicate with Enterprise personnel, who operate the sales gas pipeline, when possible, during these types of circumstances.

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 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 320589

**DEFINITIONS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 320589
	Action Type: [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:

- 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.

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 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**

QUESTIONS

Action 320589

**QUESTIONS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696 Action Number: 320589 Action Type: [C-129] Venting and/or Flaring (C-129)
--	--

**QUESTIONS**

<b>Prerequisites</b>	
<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 Well	Unavailable.
Incident Facility	[fAPP2126640958] CORRAL #2 SOUTH COMP STATION

<b>Determination of Reporting Requirements</b>	
<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	No
Is this considered a submission for a vent or flare event	Yes, minor 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

<b>Equipment Involved</b>	
Primary Equipment Involved	Other (Specify)
Additional details for Equipment Involved. Please specify	Emergency Flare > Third Party Downstream Activity > Enterprise > Flow Rate Reduction

<b>Representative Compositional Analysis of Vented or Flared Natural Gas</b>	
<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	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.

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 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**

QUESTIONS, Page 2

Action 320589

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 320589
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	02/19/2024
Time vent or flare was discovered or commenced	11:40 AM
Time vent or flare was terminated	12:20 PM
Cumulative hours during this event	1

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: 399 Mcf   Recovered: 0 Mcf   Lost: 399 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	[713731] Enterprise Crude Pipeline LLC
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 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, Enterprise, third party operated downstream pipeline operator, suddenly and unexpectedly reduced their flow intake of sales gas, which then prompted high line pressure to occur, which then triggered a flaring event to occur. Oxy is unable to predict or anticipate when Enterprise will have issues as this is beyond Oxy's control. Every necessary precaution was taken to ensure that minimization of flaring was done. This event could not have been foreseen, avoided or prevented from happening as it occurred with no advance notice or warning.
	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, Enterprise, third party operated downstream

<p>Steps taken to limit the duration and magnitude of vent or flare</p>	<p>pipeline operator, suddenly and unexpectedly reduced their flow intake of sales gas, which then prompted high line pressure to occur, which then triggered a flaring event to occur. Oxy is unable to predict or anticipate when Enterprise will have issues as this is beyond Oxy's control. Every necessary precaution was taken to ensure that minimization of flaring was done. As soon as flaring was triggered, field area's mitigation optimizers cut injection rates to wells to reduce injection and sales gas across the area so that field pressure would stay below the flare trigger setpoints of the facility to cease flaring. This event is out of OXY's control, yet OXY made every effort to control and minimize emissions as much as possible.</p>
<p>Corrective actions taken to eliminate the cause and reoccurrence of vent or flare</p>	<p>Oxy is unable to take any corrective actions to eliminate the cause and potential reoccurrence of a downstream third-party owned and operated equipment or operational 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. Enterprise will have issues which may reoccur from time to time and may trigger a spike in the gas line pressure, which in turn, directly impacts Oxy's ability to send gas to them, which then prompts Oxy to route all its stranded gas not pushed into Enterprise 's gas pipeline, to flare. The only actions that Oxy can take and handle that is within its control, is to continually attempt to communicate with Enterprise personnel, who operate the sales gas pipeline, when possible, during these types of circumstances.</p>

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 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**

ACKNOWLEDGMENTS

Action 320589

**ACKNOWLEDGMENTS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 320589
	Action Type: [C-129] Venting and/or Flaring (C-129)

**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.



**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 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**

CONDITIONS

Action 320589

**CONDITIONS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 320589
	Action Type: [C-129] Venting and/or Flaring (C-129)

**CONDITIONS**

Created By	Condition	Condition Date
marialuna2	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.	3/5/2024