

Field:

### Certificate of Analysis

Number: 6030-22030084-001A

**Artesia Laboratory** 200 E Main St. Artesia, NM 88210 Phone 575-746-3481

Mar. 07, 2022

**Chandler Montgomery** Occidental Petroleum 1502 W Commerce Dr. Carlsbad, NM 88220

> **Platinum** Sampled By: Michael Mirabal Platinum CTB Train 2 Sample Of: Gas

Station Name: Spot Station Number: 17422c Sample Date: 03/03/2022 11:26 Sample Point: Meter Sample Conditions: 11081 psig 03/03/2022 11:26 Meter Number: Effective Date: County: Eddy Method: GPA-2261M

Type of Sample: Spot-Cylinder Cylinder No: 1111-003938 Heat Trace Used:

N/A Instrument: 70142339 (Inficon GC-MicroFusion)

Sampling Method: Fill and Purge Last Inst. Cal.: 03/07/2022 0:00 AM

Sampling Company: OXY Analyzed: 03/07/2022 12:28:38 by ERG

### **Analytical Data**

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.65 psia	
Hydrogen Sulfide	NIL	NIL	NIL		
Nitrogen	2.103	2.11939	2.618		
Carbon Dioxide	5.154	5.19486	10.083		
Methane	72.601	73.18069	51.776		
Ethane	10.387	10.46946	13.884	2.795	
Propane	5.175	5.21583	10.143	1.434	
Iso-Butane	0.667	0.67223	1.723	0.220	
n-Butane	1.637	1.64967	4.229	0.519	
Iso-Pentane	0.389	0.39201	1.247	0.143	
n-Pentane	0.422	0.42557	1.354	0.154	
Hexanes	0.282	0.28415	1.080	0.117	
Heptanes	0.240	0.24222	1.070	0.112	
Octanes	0.124	0.12509	0.630	0.064	
Nonanes Plus	0.029	0.02883	0.163	0.016	
	99.210	100.00000	100.000	5.574	
Calculated Physical	Properties	Total		C9+	
Calculated Molecular \	Weight	22.67	•	128.26	
Compressibility Factor	•	0.9962	) -		
Relative Density Real	Gas	0.7856	;	4.4283	
<b>GPA 2172 Calculation</b>	n:				
Calculated Gross BT	U per ft <sup>3</sup> @ 14.65 ps	sia & 60°F			
Real Gas Dry BTU		1201.5	;	6974.4	
Water Sat. Gas Base I	BTU	1181.0	)	6852.4	
Ideal, Gross HV - Dry	at 14.65 psia	1197.0	)	6974.4	
Ideal, Gross HV - Wet		1176.0	)	6852.4	
Comments: H2S Fie	ld Content 0 ppm				

Hydrocarbon Laboratory Manager

The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.

Quality Assurance:

### **UPSET FLARING EVENT SPECIFIC JUSTIFICATIONS FORM**

Flare Date: 01/26/2025

**Duration of Event:** 36 Minutes **MCF Flared:** 178

Start Time: 08:34 PM End Time: 09:10 PM

Cause: Emergency Flare > Third Party Downstream Activity > Enterprise > Central Station

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, a flaring event occurred due to an emergency shutdown, which resulted in an unannounced stoppage of sales gas flow intake from OXY by Enterprise operations. This emergency shutdown originated from Enterprise, a third-party downstream offloading operator, which was experiencing operational difficulties at the Central Station facility due to a gas detection alarm. Although Oxy strived to keep communication channels open with Enterprise personnel, there was no dialogue regarding the sales gas intake stoppage and/or emergency shutdown happening on their end. This lack of communication and information significantly hindered Oxy's ability and capacity to prevent flaring from occurring. Oxy's field and operations teams diligently oversee the facility to swiftly identify any deviations from standard operational parameters. Nevertheless, Enterprise did not provide any advance warning to the personnel at Oxy regarding a potential stoppage of sales gas flow intake. If Enterprise had provided prior notification to Oxy personnel, field and operation personnel would have adjusted and balanced the wells to reduce the amount of gas being sent to the facility and to sales, which in turn would have mitigated the chance of a flaring event from occurring. This flaring situation was beyond OXY's control, but Oxy took all possible measures to reduce emissions effectively.

### 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, a flaring event occurred due to an emergency shutdown, which resulted in an unannounced stoppage of sales gas flow intake from OXY by Enterprise operations. This emergency shutdown originated from Enterprise, a third-party downstream offloading operator, which was experiencing operational difficulties at the Central Station facility due to a gas detection alarm. Although Oxy strived to keep communication channels open with Enterprise personnel, there was no dialogue regarding the sales gas intake stoppage and/or emergency shutdown happening on their end. This lack of communication and information significantly hindered Oxy's ability and capacity to prevent flaring

from occurring. Oxy's field and operations teams diligently oversee the facility to swiftly identify any deviations from standard operational parameters. Nevertheless, Enterprise did not provide any advance warning to the personnel at Oxy regarding a potential stoppage of sales gas flow intake. If Enterprise had provided prior notification to Oxy personnel, field and operation personnel would have adjusted and balanced the wells to reduce the amount of gas being sent to the facility and to sales, which in turn would have mitigated the chance of a flaring event from occurring. As soon as flaring was triggered, Oxy production techs choked back several wells and the field area's mitigation optimizers cut injection rates to wells in the field 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 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 not in a position to implement corrective measures to address the root cause and prevent future incidents of a gas flow restriction, shut-in or suspension in the Enterprise offload sales gas pipeline, since this matter is beyond Oxy's custody transfer point and outside of Oxy's capacity to correct or keep from happening again. When Enterprise and its operations face challenges managing the volume of gas flow from Oxy, it then limits Oxy's ability to push forward with its sales gas transmission, which in turn, prompts Oxy to flare its excess gas. Oxy is committed to minimizing emissions as much as possible and aims to maintain open communication with its downstream and midstream operators, when feasible, to handle such events effectively.

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

General Information Phone: (505) 629-6116

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

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

DEFINITIONS

Action 430355

#### **DEFINITIONS**

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	430355
	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.

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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

QUESTIONS

Action 430355

Control   Cont	Q	UESTIONS	
P.O. Biox 4294   Houston, TX 772104294   Enterprise   Equipment Involved. Please specify to make a chance of reaching the ground, a surface, a vertical and details for Equipment Involved. Please specify   March 1991   Equipment Involved. Please specify   Emergency Plans   Fairly Downstream Activity   Enterprise   Central Station   Color (1992)   Col			
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Prorequisites Any measures presented in this section, will prevent submission of this application. Preser resolve three issues before continuing with the rest of the questions.  Incident Veril Incident	QUESTIONS		<u> </u>
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Incident Weil  Incident Facility  Incident Facility	•	these issues before continuina wit	h the rest of the questions.
Determination of Reporting Requirements  Activated in Question But along. 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  Did this vent or flare caused by an emergency or malfunction  Is this considered a submission for a vent or flare event  No  Ves, minor venting and/or flaring of natural gas.  An operator shall file a form C-197 instead of a form C-197 for a release the knowledge them of the major of them is a major or minor release under 19.15.29.7 NMAC.  Yes  The shall file a form C-197 instead of a form C-197 for a release the knowledge them of them is come and or flaring for family flat is or may be a major or minor release under 19.15.29.7 NMAC.  Yes  The shall file a form C-197 instead of a form C-197 for a release the knowledge them of them is come and or flam file is or may be a major or minor release under 19.15.29.7 NMAC.  Yes  How shall file a form C-197 instead of a form C-198 for a release the knowledge of the shall have a release of AMN liquids (not fully and/or completely area) that reside of a form C-197 form and occupied permanent residence, school, hospital, institution or church in existence  Additional details for Equipment Involved.  Primary Equipment Involved  Primary Equipment Involved. Please specify  Chier (Specify)  Additional details for Equipment Involved. Please specify  Emergency Flare > Third Party Downstream Activity > Enterprise > Central Station  Primary Equipment Involved.  Primary Equipment Involved. Please specify  Additional details for Equipment Involved. Please specify  Emergency Flare > Third Party Downstream Activity > Enterprise > Central Station  Representative Compositional Analysis of Vented or Flared Natural Gas  Prease private the null percentage, if greater than one percent  2 Cathon Dioxide (C02) percentage, if greater than one percent  5 Cathon Dioxide (C02) percentage, if greater than one percent  6 Not answered.  And answered.  Cathon Dioxide (			
Determination of Reporting Requirements	modern wen	Onavanable.	
Was this vent or flare caused by an emergency or malfunction   Yes	Incident Facility	[fAPP2126657589] PLATIN	UM CTB
Was this vent or flare caused by an emergency or malfunction   Yes			
Was this vent or flare caused by an emergency or malfunction Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event Is this considered a submission for a vent or flare event Ves, minor venting and/or flaring of natural gas.  An operator shall file a from C-141 missed of a form C-128 for a reliase that, includes liquid during venting and/or flaring of natural gas.  An operator shall file a form C-141 missed of a form C-128 for a reliase that, includes liquid during venting and/or flaring of natural gas.  An operator shall file a form C-141 missed of a form C-128 for a reliase that, includes liquid during venting and/or flaring of natural gas.  An operator shall file a form C-141 missed of a form C-128 for a reliase that, includes liquid during venting and/or flaring of natural gas.  An operator shall file a form C-141 missed of a form C-128 for a reliase that, includes liquid during venting and/or flaring of natural gas.  Yes  Did this vent or flare ventlin the release of ANN liquids (not fully and/or completely faired) that resolved for that a charge of reaching judgets of the ground a surface, a value of reaching of the ground a surface, a value of reaching in the ground withing 300 feet from an occupied permanent residence, school, hospital, institution or church in oxidiations  Was the vent or flare within an incorporated municipal boundary or withing 300 feet from an occupied permanent residence, school, hospital, institution or church in oxidiations  Additional details for Equipment Involved. Please specify  Emergency Flare > Third Party Downstream Activity > Enterprise > Central Station  Enterprise > Central Station  Mitrogen (N2) percentage, if greater than one percent  2 2  Hydrogen Suffice (H2S) PPM, rounded up  Quarton Dioxide (C02) percentage, if greater than one percent  Solve are ventile and of flaring because of Pipeline Specification, please provide the required specifications for each gas.  Methane (C+14) percentage, it greater than one percent		- d id ddilid	
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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 2  Hydrogen Sulfide (H2S) PPM, rounded up 0  Carbon Dioxide (C02) percentage, if greater than one percent 5  Oxygen (02) 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.  Not answered.  Hydrogen Suffide (H2S) PPM quality requirement Not answered.  Carbon Dioxide (C02) percentage quality requirement Not answered.	Primary Equipment Involved	Other (Specify)	
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Sante Fe Main Office Phone: (505) 476-3441 General Information

Phone: (505) 629-6116
Online Phone Directory
<a href="https://www.emnrd.nm.gov/ocd/contact-us">https://www.emnrd.nm.gov/ocd/contact-us</a>

### 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 430355

Janua	1 0, 1411 07 000
QUESTI	ONS (continued)
Operator:	OGRID:
OXY USA INC P.O. Box 4294	16696 Action Number:
Houston, TX 772104294	430355
	Action Type:  [C-129] Venting and/or Flaring (C-129)
QUESTIONS	
Date(s) and Time(s)	
Date vent or flare was discovered or commenced	01/26/2025
Time vent or flare was discovered or commenced	08:34 PM
Time vent or flare was terminated	09:10 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: 178 Mcf   Recovered: 0 Mcf   Lost: 178 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.
Ctons and Actions to Dravent Wests	
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
	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 cost to the foreage purish of the party of Oxy's cost to the foreage purish of the party of Oxy's

Please explain reason for why this event was beyond this operator's control

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, a flaring event occurred due to an emergency shutdown, which resulted in an unannounced stoppage of sales gas flow intake from OXY by Enterprise operations. This emergency shutdown originated from Enterprise, a third-party downstream offloading operator, which was experiencing operational difficulties at the Central Station facility due to a gas detection alarm. Although Oxy strived to keep communication channels open with Enterprise personnel, there was no dialogue regarding the sales gas intake stoppage and/or emergency shutdown happening on their end. This lack of communication and information significantly hindered Oxy's ability and capacity to prevent flaring from occurring. Oxy's field and operations teams diligently oversee the facility to swiftly identify any deviations from standard operational parameters. Nevertheless, Enterprise did not provide any advance warning to the personnel at Oxy regarding a potential stoppage of sales gas flow intake. If Enterprise had provided prior notification to Oxy personnel, field and operation personnel would have adjusted and balanced the wells to reduce the amount of gas being sent to the

	facility and to sales, which in turn would have mitigated the chance of a flaring event from occurring. This flaring situation was bey	
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, a flaring event occurred due to an emergency shutdown, which resulted in an unannounced stoppage of sales gas flow intake from OXY by Enterprise operations. This emergency shutdown originated from Enterprise, a third-party downstream offloading operator, which was experiencing operational difficulties at the Central Station facility due to a gas detection alarm. Although Oxy strived to keep communication channels open with Enterprise personnel, there was no dialogue regarding the sales gas intake stoppage and/or emergency shutdown happening on their end. This lack of communication and information significantly hindered Oxy's ability and capacity to prevent flaring from occurring. Oxy's field and operations teams diligently oversee the facility to swiftly identify any deviations from standard operational parameters. Nevertheless, Enterprise did not provide any advance warning to the personnel at Oxy regarding a potential stoppage of sales gas flow intake. If Enterprise had provided prior notification to Oxy personnel, field and operation personnel would have adjusted and balanced the wells to reduce the amount of gas being sent to the facility and to sales, which in turn would have mitigated the chance of a flaring event from occurring. As soon as flaring was triggered, Oxy production techs choked back several wells and the field area's mitigation optimizers cut injection rates to wells in the field 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. T	
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Oxy is not in a position to implement corrective measures to address the root cause and prevent future incidents of a gas flow restriction, shut-in or suspension in the Enterprise offload sales gas pipeline, since this matter is beyond Oxy's custody transfer point and outside of Oxy's capacity to correct or keep from happening again. When Enterprise and its operations face challenges managing the volume of gas flow from Oxy, it then limits Oxy's ability to push forward with its sales gas transmission, which in turn, prompts Oxy to flare its excess gas. Oxy is committed to minimizing emissions as much as possible and aims to maintain open communication with its downstream and midstream operators, when feasible, to handle such events effectively.	

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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

ACKNOWLEDGMENTS

Action 430355

### **ACKNOWLEDGMENTS**

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	430355
	Action Type:
	[C-129] Venting and/or Flaring (C-129)

### **ACKNOWLEDGMENTS**

V	I acknowledge that I am authorized to submit a Venting and/or Flaring (C-129) report on behalf of this operator and understand that this report can be a complete C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.
V	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.
V	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.
V	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.
V	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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# State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Action 430355

#### **CONDITIONS**

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	430355
	Action Type:
	[C-129] Venting and/or Flaring (C-129)

#### CONDITIONS

Created By		Condition Date
shelbyschoepf	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.	2/10/2025