Certificate of Analysis

Number: 6030-21050216-004A

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

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

May 25, 2021

Field:	Turkey	Sampled By:	Michael Mirabal
Station Name:	Turkey Track CTB Check B	Sample Of:	Gas Spot
Station Number:	14670B	Sample Date:	05/20/2021 10:47
Station Location:	CTB	Sample Conditions:	79 psia, @ 82 °F Ambient: 75 °F
Sample Point:	Meter	Effective Date:	05/20/2021 10:47
Formation:	Spot	Method:	GPA-2261M
County:	Eddy	Cylinder No:	5030-00537
Type of Sample: :	Spot-Cylinder	Instrument:	6030_GC6 (Inficon GC-3000 Micro)
Heat Trace Used:	N/A	Last Inst. Cal.:	05/03/2021 0:00 AM
Sampling Method: :	Fill and Purge	Analyzed:	05/25/2021 07:28:39 by KNF
Sampling Company: :	SPL		

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.65 psia		
Hydrogen Sulfide	0.000	0.000	0.000		GPM TOTAL C2+	5.984
Nitrogen	2.015	2.042	2.652		GPM TOTAL C3+	2.878
Methane	75.693	76.715	57.062		GPM TOTAL iC5+	0.649
Carbon Dioxide	0.232	0.235	0.480			
Ethane	11.483	11.638	16.226	3.106		
Propane	5.288	5.359	10.957	1.473		
Iso-butane	0.679	0.688	1.854	0.225		
n-Butane	1.667	1.689	4.552	0.531		
Iso-pentane	0.421	0.427	1.428	0.156		
n-Pentane	0.431	0.437	1.462	0.158		
Hexanes Plus	0.760	0.770	3.327	0.335		
	98.669	100.000	100.000	5.984		

Calculated Physical Properties	**Total**	**C6+**
Relative Density Real Gas	0.7472	3.2176
Calculated Molecular Weight	21.57	93.19
Compressibility Factor	0.9963	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.65 psia & 60°F		
Real Gas Dry BTU	1268	5113
Water Sat. Gas Base BTU	1246	5024
Ideal, Gross HV - Dry at 14.65 psia	1263.2	5113.2
Ideal, Gross HV - Wet	1241.1	5023.7
Net BTU Dry Gas - real gas	1151	
Net BTU Wet Gas - real gas	1131	

Comments: H2S Field Content 0 ppm
Mcf/day 19263

Report generated by:

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

UPSET EVENT SPECIFIC JUSTIFICATIONS FORM

Facility: Turkey Track CTB **Date:** 08/19/2021

Duration of event: 2 Hours 11 Minutes **MCF Flared:** 88

Start Time: 01:28 PM **End Time:** 01:38 PM

Cause: Hole in 6" back-pressure valve

Method of Flared Gas Measurement: Gas Flare Meter

Well API Associated with Facility: 30-015-44143 Turkey Track 8 7 State 023 H

Comments: This upset event was not caused by any wells associated with the facility.

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

This event could not have been foreseen, prevented, avoided or planned for as issues with equipment defects and/or breakdowns shall recur from time to time without warning and could not have been avoided by good design, operation, and preventative maintenance practices.

In this case, this brief flare event was caused by an equipment test of the facility's 6" back-pressure valve, which was repaired. During a walk-thru of the facility by an Oxy production tech and an Oxy maintenance tech, it was observed that the 6" back-pressure valve between the production facility and the flare line was not working properly. After inspecting the back-pressure valve, it, the techs determined that the diaphram in the back-pressure valve developed a hole in it, which caused it to not work properly. This issue did not cause an alarm status of any kind, nor was an alarm raised or detected within the facility equipment or with the sales gas system, yet it was necessary to make immediate repairs to the 6" back-pressure valve. The 6" back-pressure valve was repaired with the proper rebuild kit for that style of valve between the production facility and the flare line by the Oxy maintenance tech. Once the 6" back-pressure valve was repaired, the techs need to test its operational service to ensure that the back-pressure valve was responding and working properly as this is a safety device, so it was necessary to run a minimal amount of gas flow thru the flare line as a proper corrective action measure to confirm it was working as designed. Minimal amount of time of inspecting and confirming the back-pressure valve was working safely and working properly led to flaring a minimum of ten minutes.

Oxy engages in respectable and good facility operation practices while also maintaining its continuous facility equipment preventative maintenance program. Oxy ensures that its facility personnel are trained to assess and take prompt corrective action when facility equipment issues and/or malfunction alarms are detected. In this case, both techs responded to an issue that they observed during a walkthrough of the facility and did so, as a continuous safety measure to to protect equipment, personnel and the working operational environment.

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

The steps take to limit the duration of this flaring incidents was to flare a very brief period in order to ensure a safety device was working properly. As stated above, during a walk-thru of the facility by an Oxy production tech and an Oxy maintenance tech, it was noticed that the 6" back-pressure valve between the production facility and the flare line was not working properly. After inspecting the back-pressure valve, it, the techs determined that the diaphram in the 6" back-pressure valve developed a hole in it, which caused it to not work

properly. The 6" back-pressure valve was immediately repaired with the proper rebuild kit for that style of valve between the production facility and the flare line by the Oxy maintenance tech. Once the 6" back-pressure valve was repaired, the techs need to test its operational service to ensure that the back-pressure valve was responding and working properly as this is a safety device, so it was necessary to run a minimal amount of gas flow thru the flare line as a proper corrective action measure to confirm it was working as designed. Minimal amount of time of inspecting and confirming the back-pressure valve was working safely and working properly led to flaring a minimum of ten minutes. OXY routed the minimal amount of gas for this equipment safety testing measure to a flare with a 98% combustion efficiency in order to minimize emissions as much as possible.

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

The corrective actions take to eliminate the cause and reoccurrence of flaring due to a 6" back-pressure valve, located between the production facility and the flare line, was to have an Oxy maintenance tech immediately repair it with the proper rebuild kit for that style of valve and then test its effectiveness and ensure it was working properly by running a minimal amount of gas to the flare. OXY made every effort to control and minimize emissions as much as possible during the event.

District I
1625 N. French Dr., Hobbs, NM 88240
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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 46491

QUESTIONS

Operator: OXY USA WTP LIMITED PARTNERSHIP P.O. Box 4294 Houston, TX 772104294	OGRID: 192463
	Action Number: 46491
	Action Type: [C-129] Venting and/or Flaring (C-129)

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	**[30-015-44143] TURKEY TRACK 8 7 STATE #023H**
Incident Facility	*Not answered.*

Determination of Reporting Requirements	
Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide addional guidance.	
Was or is this venting and/or flaring caused by an emergency or malfunction	Yes
Did or will this venting and/or flaring last eight hours or more cumulatively within any 24-hour period from a single event	No
Is this considered a submission for a notification of a major venting and/or flaring	**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 or will there be **at least 50 MCF** of natural gas vented and/or flared during this event	Yes
Did this venting and/or flaring 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 venting and/or flaring within an incorporated municipal boundary or withing 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 > 6" back pressure valve

Representative Compositional Analysis of Vented or Flared Natural Gas	
Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	77
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	0
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.*
Nitrogen (N2) percentage quality requirement	*Not answered.*
Hydrogen Sufide (H2S) PPM quality requirement	*Not answered.*
Carbon Dioxide (C02) percentage quality requirement	*Not answered.*
Oxygen (02) percentage quality requirement	*Not answered.*

Date(s) and Time(s)	
Date venting and/or flaring was discovered or commenced	08/21/2021
Time venting and/or flaring was discovered or commenced	01:28 PM
Time venting and/or flaring was terminated	01:38 PM
Cumulative hours during this event	0

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: 88 Mcf | Recovered: 0 Mcf | Lost: 88 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 or is this venting and/or flaring a result of downstream activity	No
Date notified of downstream activity requiring this venting and/or flaring	*Not answered.*
Time notified of downstream activity requiring this venting and/or flaring	*Not answered.*

Steps and Actions to Prevent Waste	
For this event, the operator could not have reasonably anticipated the current event and it was beyond the operator's control.	True
Please explain reason for why this event was beyond your operator's control	See Justification Form > This event could not have been foreseen, prevented, avoided or planned for as issues with equipment defects and/or breakdowns shall recur from time to time without warning and could not have been avoided by good design, operation, and preventative maintenance practices.
Steps taken to limit the duration and magnitude of venting and/or flaring	See Justification Form > The steps take to limit the duration of this flaring incidents was to flare a very brief period in order to ensure a safety device was working properly. As stated above, during a walk-thru of the facility by an Oxy production tech and an Oxy maintenance tech, it was noticed that the 6" back-pressure valve between the production facility and the flare line was not working properly. After inspecting the back-pressure valve, it, the techs determined that the diaphram in the 6" back-pressure valve developed a hole in it, which caused it to not work properly. The 6" back-pressure valve was immediately repaired with the proper rebuild kit for that style of valve between the production facility and the flare line by the Oxy maintenance tech. Once the 6" back-pressure valve was repaired, the techs need to test its operational service to ensure that the back-pressure valve was responding and working properly as this is a safety device, so it was necessary to run a minimal amount of gas flow thru the flare line as a proper corrective action measure to confirm it was working as designed. Minimal amount of time of inspecting and confirming the back-pressure valve was working safely and working properly led to flaring a minimum of ten minutes. OXY routed the minimal amount of gas for this equipment safety testing measure to a flare with a 98% combustion efficiency in order to minimize emissions as much as possible.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	See Justification Form > The corrective actions take to eliminate the cause and reoccurrence of flaring due to a 6" back-pressure valve, located between the production facility and the flare line, was to have an Oxy maintenance tech immediately repair it with the proper rebuild kit for that style of valve and then test its effectiveness and ensure it was working properly by running a minimal amount of gas to the flare. OXY made every effort to control and minimize emissions as much as possible during the event.

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CONDITIONS

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Operator: OXY USA WTP LIMITED PARTNERSHIP P.O. Box 4294 Houston, TX 772104294	OGRID: 192463
	Action Number: 46491
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
marialuna	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.	9/5/2021