



Certificate of Analysis

Number: 6030-21060185-002A

Artesia Laboratory

200 E Main St.

Artesia, NM 88210

Phone 575-746-3481

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

June 21, 2021

Field: Cal Mon
Station Name: Pure Gold A Fed 8 Battery
Station Number: 83293
Station Location: CTB
Sample Point: Meter
Formation: Quarterly
County: Eddy
Type of Sample: : Spot-Cylinder
Heat Trace Used: N/A
Sampling Method: : Fill and Purge
Sampling Company: : SPL

Sampled By: Michael Mirabal
Sample Of: Gas Spot
Sample Date: 06/17/2021 08:21
Sample Conditions: 30 psia, @ 86 °F Ambient: 82 °F
Effective Date: 06/17/2021 08:21
Method: GPA-2261M
Cylinder No: 1111-001222
Instrument: 70104124 (Inficon GC-MicroFusion)
Last Inst. Cal.: 05/18/2021 0:00 AM
Analyzed: 06/21/2021 09:45:07 by KNF

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.65 psia
Hydrogen Sulfide	NIL	NIL	NIL	
Nitrogen	5.004	5.04821	5.940	
Carbon Dioxide	0.110	0.11066	0.205	
Methane	69.004	69.61086	46.901	
Ethane	11.712	11.81450	14.921	3.156
Propane	7.762	7.83037	14.502	2.155
Iso-Butane	0.865	0.87220	2.129	0.285
n-Butane	2.053	2.07136	5.056	0.652
Iso-Pentane	0.532	0.53648	1.626	0.196
n-Pentane	0.501	0.50541	1.532	0.183
Hexanes	0.362	0.36559	1.323	0.150
Heptanes	0.416	0.41956	1.766	0.193
Octanes	0.489	0.49310	2.366	0.252
Nonanes Plus	0.319	0.32170	1.733	0.181
	99.129	100.0000	100.000	7.403

Calculated Physical Properties

Calculated Molecular Weight	Total	C9+
Compressibility Factor	23.81	128.26
Relative Density Real Gas	0.9955	
	0.8255	4.4283

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.65 psia & 60°F

Real Gas Dry BTU	1342.4	6974.4
Water Sat. Gas Base BTU	1319.5	6852.4
Ideal, Gross HV - Dry at 14.65 psia	1336.4	6974.4
Ideal, Gross HV - Wet	1313.0	6852.4

Comments: H2S Field Content 0 ppm
Mcf/day 291

Jesus Escobedo

Eric Ramirez

Data reviewed by: Eric Ramirez, Analyst

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

EVENT SPECIFIC JUSTIFICATIONS FORM

Facility: Pure Gold A8 is nearest facility (Remote location: 32.2920609, -103.7849197)

Start Date: 07/12/2021

End Date: 07/12/2021

Cause: Malfunction –Gas Flowline Damage

Duration of event: 24 hours

MCF Volume Flared: 303

Method of Flared Gas Measurement: Allocation

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.

On July 12, 2021, Oxy discovered a damaged gas flowline from the Pure Gold A8 facility to be comingled at the Pure Gold A4 facility. The damaged flowline was in a remote area, not at a well pad or a well battery. The damage was found at 32.2920609, -103.7849197.

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

Upon discovery of the damaged gas flowline, Oxy immediately shut in all wells in the Pure Gold B lease to stop any gas leaks and perform an investigation.

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

The 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. As noted the damaged flowline was in a remote area not near a well pad or the well pad tank battery. An internal investigation is underway.

District I1625 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 43609

QUESTIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 43609
	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	[30-015-35296] PURE GOLD A FEDERAL #008
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 additional 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	Yes
Is this considered a submission for a notification of a major venting and/or flaring	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 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	Flow Line - Production
Additional details for Equipment Involved. Please specify	Damaged Produced Gas Flowline

Representative Compositional Analysis of Vented or Flared Natural Gas

Please provide the mole percent for the percentage questions in this group.

Methane (CH4) percentage	69
Nitrogen (N2) percentage, if greater than one percent	5
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	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.

Date(s) and Time(s)

Date venting and/or flaring was discovered or commenced	07/12/2021
Time venting and/or flaring was discovered or commenced	08:00 AM
Time venting and/or flaring was terminated	12:00 PM
Cumulative hours during this event	24

Measured or Estimated Volume of Vented or Flared Natural Gas

Natural Gas Vented (Mcf) Details	Cause: Equipment Failure Flow Line - Production Natural Gas Vented Released: 303 Mcf (Unknown Released Amount) Recovered: 0 Mcf Lost: 303 Mcf]
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Natural Gas Flared (Mcf) Details	Not answered.
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 or is this venting and/or flaring a result of downstream activity	Not answered.
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	The damage to the flowline was in a remote area not on well pad or tank battery where personnel or others would have noticed the damage.
Steps taken to limit the duration and magnitude of venting and/or flaring	Upon discovery, wells were shut in until the flowline could be replaced.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	Well shut in to replace flowline. Investigation on going.

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CONDITIONS

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	Action Number: 43609
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	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.	8/20/2021