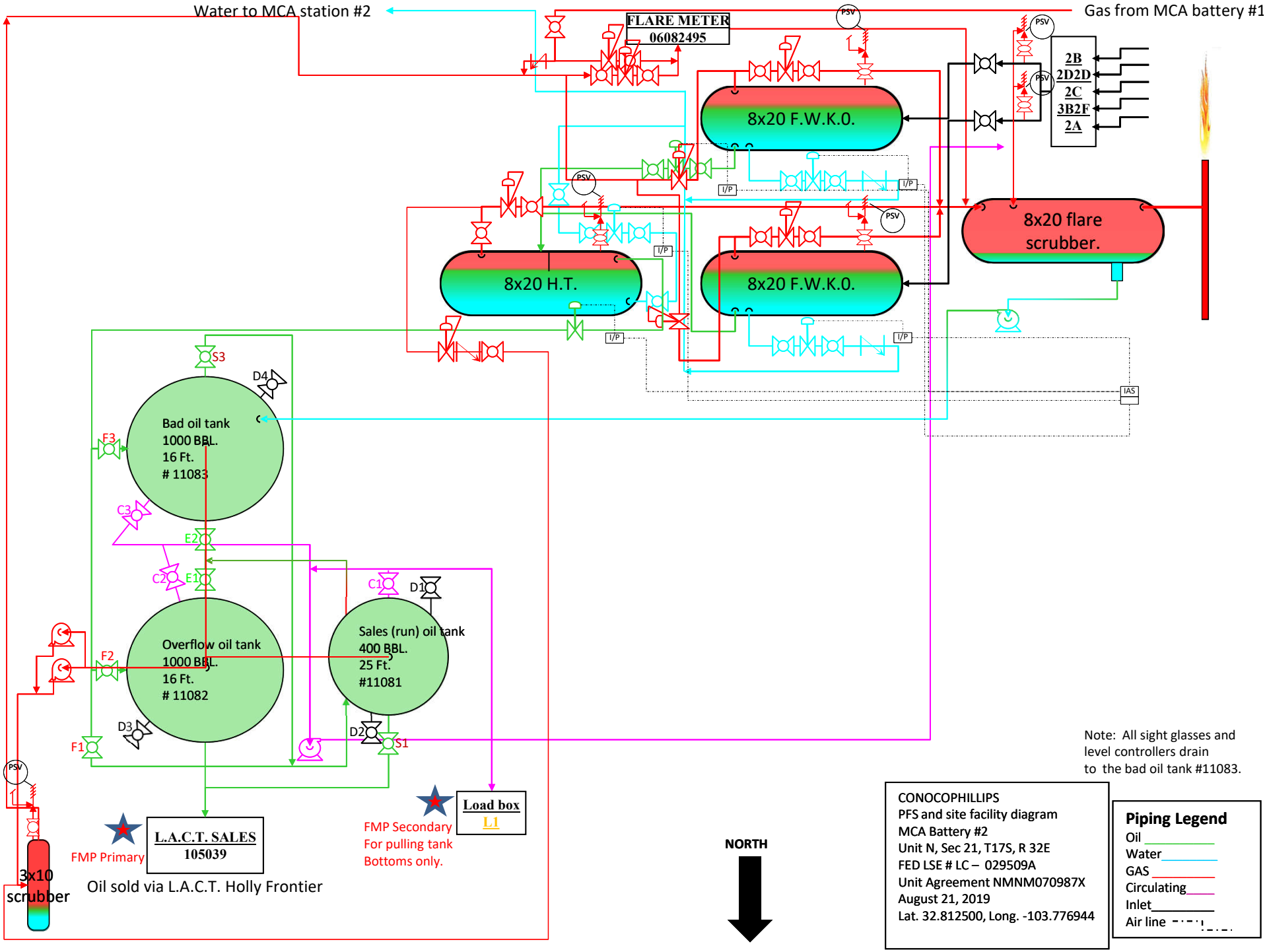
Water to MCA station #2
Gas from MCA battery #1
FLARE METER
06082495
8x20 F.W.K.0.
8x20 H.T.
8x20 F.W.K.0.
8x20 flare scrubber.
2B
2D2D
2C
3B2F
2A
PSV
I/P
IAS
S3
D4
Bad oil tank
1000 BBL.
16 Ft.
11083
F3
C3
E2
C2
E1
C1
D1
Overflow oil tank
1000 BBL.
16 Ft.
11082
Sales (run) oil tank
400 BBL.
25 Ft.
#11081
F2
D3
F1
D2
S1
3x10 scrubber
FMP Primary
L.A.C.T. SALES
105039
Oil sold via L.A.C.T. Holly Frontier
FMP Secondary
For pulling tank
Bottoms only.
Load box
L1
NORTH
Note: All sight glasses and level controllers drain to the bad oil tank #11083.
CONOCOPHILLIPS
PFS and site facility diagram
MCA Battery #2
Unit N, Sec 21, T17S, R 32E
FED LSE # LC – 029509A
Unit Agreement NMNM070987X
August 21, 2019
Lat. 32.812500, Long. -103.776944
Piping Legend
Oil
Water
GAS
Circulating
Inlet
Air line

MCA Battery #2 Well List

MCA 2A Wells:
#170-API=30-025-00754
#172-API=30-025-00766
#173-API=30-025-00762
#212-API=30-025-00765
~~#269-API=30-025-~~
#270-API=30-025-23707
#294-API=30-025-23797
#295-API=30-025-23824
#308-API=30-025-24076
#365Y-API=30-025-29102
#369-API=30-025-29853

MCA 2B Wells:
#113-API=30-025-12804
#114-API=30-025-00733
~~#115-API=30-025-~~
#116-API=30-025-12769
#118-API=30-025-00738
#151-API=30-025-00739
#260-API=30-025-23569
#318-API=30-025-24196
#324-API=30-025-24235
#393-API=30-025-37879
#394-API=30-025-37931
#395-API=30-025-37900
#397-API=30-025-37939
#407-API=30-025-38038

MCA 2C Wells:
#176-API=30-025-00742
#177-API=30-025-21489
#222-API=30-025-12785
#231-API=30-025-00803
#233-API=30-025-00808
#254-API=30-025-23487
#261-API=30-025-23559
#274-API=30-025-23731
#275-API=30-025-23738
#284-API=30-025-23744
#296-API=30-025-23790
#300-API=30-025-23984
#332-API=30-025-24349
#333-API=30-025-24352
#382-API=30-025-00745
#396-API=30-025-37976
#410-API=30-025-38979
#421-API=30-025-38988
#467-API=30-025-39764
#470-API=30-025-39765
#479-API=30-025-39352
#482-API=30-025-39767
#484-API=30-025-39354
#487-API=30-025-39356

MCA 2D Wells:
#46-API=30-025-08031
#69-API=30-025-00611
#92-API=30-025-00609
#93-API=30-025-00608
#234-API=30-025-20522
#287-API=30-025-23807
#372-API=30-025-29956

MCA 2E Wells:
#43-API=30-025-00603
#44-API=30-025-12763
#71-API=30-025-00612
#245-API=30-025-22661
#251-API=30-025-23433
#326-API=30-025-24258
#328-API=30-025-24267
#368-API=30-025-29854

MCA 2F Wells:
#146-API=30-025-00717
#149-API=30-025-12792
#181-API=30-025-00724
#185-API=30-025-00732
#204-API=30-025-00723
#206-API=30-025-00729
#225-API=30-025-12782
#282-API=30-025-23846
#314-API=30-025-24127
#317-API=30-025-24186
#321-API=30-025-24233
#329-API=30-025-24275
#335-API=30-025-24369
#337-API=30-025-24375
#346-API=30-025-24513
#347-API=30-025-24515
#348-API=30-025-24527
#353-API=30-025-24583
#384-API=30-025-30491
#400-API=30-025-38973
#402-API=30-025-38855
#406-API=30-025-38860
#409-API=30-025-38978
#413-API=30-025-38981
#415-API=30-025-38983
#416-API=30-025-38984
#417-API=30-025-38985
#457-API=30-025-39314
#463-API=30-025-39314
#465-API=30-025-39324
#468-API=30-025-39408
#471-API=30-025-39348
#473-API=30-025-39410
#474-API=30-025-39320
#476-API=30-025-39350
#512-API=30-025-41398
#514-API=30-025-41400

MCA 3B Wells:
#73-API=30-025-00631
#75-API=30-025-12711
#86-API=30-025-12795
#88-API=30-025-00628
#120-API=30-025-00720
#122-API=30-025-00716
#299-API=30-025-23938
#312-API=30-025-24109
#316-API=30-025-24183
#325-API=30-025-24236
#327-API=30-025-24274
#341-API=30-025-24462
#508-API=30-025-41394
#511-API=30-025-41397

LABORATORY SERVICES Natural Gas Analysis
www.permianls.com
575.397.3713 2609 W Marland Hobbs NM 88240

Extended Gas Analysis Report

Sample Point Code	Sample Point Name	Sample Point Location
11234G	12111001	MCA Battery 2

Source Laboratory	Lab File No	Container Identity	Sampler
Laboratory Services	2021038186	0957	D Armstrong - Spot

District	Area Name	Field Name	Facility Name
USA	USA	USA	New Mexico

Date Sampled	Date Effective	Date Received	Date Reported
Jan 15, 2021 10:15	Jan 15, 2021 10:15	Jan 15, 2021 15:00	Jan 19, 2021

Ambient Temp (°F)	Flow Rate (Mcf)	Analyst	Press PSI @ Temp °F Source Conditions
40.00		TG	27 @ 54

Operator	Lab Source Description
Conoco Phillips	NG

Component	Normalized Mol %	Un-Normalized Mol %	GPM
Nitrogen (N2)	2.3480	2.404798	
Carbon Dioxide (CO2)	46.4750	48.783026	
Hydrogen Sulfide (H2S)	1.1100	1.11	
Methane (C1)	25.8600	26.489676	
Ethane (C2)	9.4860	9.717014	2.5360
Propane (C3)	8.2670	8.468586	2.2770
IsoButane (IC4)	1.0940	1.121111	0.3580
n-Butane (NC4)	2.8040	2.871904	0.8840
IsoPentane (IC5)	0.7410	0.759013	0.2710
n-Pentane (NC5)	0.6870	0.703754	0.2490
Hexanes (C6's)	1.1280	1.122	0.4590
TOTAL	100.0000	103.5509	7.0340

Method(s): Gas C6+ - GPA 2261, Extended Gas - GPA 2286, Calculations - GPA 2172

Analyzer Information

Device Type:	Gas Chromatograph	Device Make:	Agilent
Device Model:	7890B	Last Cal Date:	Jan 6, 2021

Gross Heating Values (Real, BTU/ft³)

14.696 PSI @ 60.00 Â°F	14.73 PSI @ 60.00 Â°F	
Dry	Dry	Saturated
884.3	892.1	877.000

Calculated Total Sample Properties

GPA2145-16 *Calculated at Contract Conditions

Relative Density Real	Relative Density Ideal
1.2671	1.2593

Molecular Weight
36.4770

C6+ Group Properties

Assumed Composition

C6 - 41.593% C7 - 35.633% C8 - 22.774%

Field H2S
11100 PPM

PROTREND STATUS:
Passed By Validator on Jan 19, 2021

DATA SOURCE:
Imported

PASSED BY VALIDATOR REASON:
Close enough to be considered reasonable.

VALIDATOR:
Dustin Armstrong

VALIDATOR COMMENTS:
OK

LABORATORY SERVICES Natural Gas Analysis

Extended Gas Analysis Report

Sample Point Code - Name @ Location

11234G - 12111001 - MCA Battery 2

Operator

Conoco Phillips

Component	Normalized Mol %	Un-Normalized Mol %	GPM
Nitrogen (N2)	2.3480	2.4048	
Carbon Dioxide (CO2)	46.4750	48.783	
Hydrogen Sulfide (H2S)	1.1100	1.11	
Methane (C1)	25.8600	26.4897	
Ethane (C2)	9.4860	9.71701	2.5360
Propane (C3)	8.2670	8.46859	2.2770
IsoButane (IC4)	1.0940	1.12111	0.3580
n-Butane (NC4)	2.8040	2.8719	0.8840
IsoPentane (IC5)	0.7410	0.759013	0.2710
n-Pentane (NC5)	0.6870	0.703754	0.2490
Hexanes (C6's)	0.4760	0.47	0.1910
Heptanes (C7's)	0.3430	0.343	0.1360
Octanes (C8's)	0.1160	0.116	0.0550
Nonanes (C9's)	0.0300	0.03	0.0170
Decanes (C10's)	0.0150	0.015	0.0090
Undecanes (C11's)	0.0100	0.01	0.0050
Dodecanes (C12's)	0.0000	0	0.0000

BTEX

Component	Normalized Mol %	Un-Normalized Mol %	GPM
Benzene	0.0580	0.058	0.0160
Toluene	0.0530	0.053	0.0180
EthylBenzene	0.0120	0.012	0.0050
M+P Xylene	0.0110	0.011	0.0050
O Xylene	0.0040	0.004	0.0020

Volume Calculation for Metered Flare

This flare is metered so the volume is determined via subtraction method.

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 29454

QUESTIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 29454
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

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 or flaring caused by an emergency or malfunction	No
Did or will this venting 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 or flaring	**Yes, major venting or flaring of natural gas.**
The operator shall file a form C-141 instead of a form C-129 for a release that includes liquid during venting 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 or flared during this event	Yes
Did this venting 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

Unregistered Facility Site	
Please provide the facility details, if the venting or flaring occurred or is occuring at a facility that does not have an Facility ID (f#) yet.	
Facility or Site Name	MCA Battery #2
Facility Type	Tank Battery - (TB)

Equipment Involved	
Primary Equipment Involved	*Not answered.*
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	26
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	1
Carbon Dioxide (C02) percentage, if greater than one percent	46
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 or flaring was discovered or commenced	05/25/2021
Time venting or flaring was discovered or commenced	12:01 AM
Is the venting or flaring event complete	No
Date venting or flaring was terminated	*Not answered.*
Time venting or flaring was terminated	*Not answered.*
Total duration of venting or flaring in hours, if venting or flaring has terminated	*Not answered.*
Longest duration of cumulative hours within any 24-hour period during this event	24

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	Cause: Pipeline Quality Specifications | Production Tank | Natural Gas Flared | Spilled: 568 Mcf | Recovered: 0 Mcf | Lost: 568 Mcf]
Additional details for Measured or Estimated Volume(s). Please specify	*Not answered.*
Is this a gas only submission (i.e. only 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 or flaring a result of downstream activity	*Not answered.*
Date notified of downstream activity requiring this venting or flaring	*Not answered.*
Time notified of downstream activity requiring this venting 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	This is a process flare permitted with NMED to mitigate emissions due to gas quality.
Steps taken to limit the duration and magnitude of venting or flaring	Flare is necessary due to gas quality.
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	No immediate actions taken.

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

CONDITIONS

Action 29454

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 29454
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
system	If the information provided in this report requires an amendment, submit a [C-129] Request to Amend Venting and/or Flaring Incident, utilizing your incident number from this event.	6/9/2021