



2030 Afton Place
Farmington, NM 87401
(505) 325-6622

Analysis No: WT20260225
Cust No: 83250-10435

Well/Lease Information

Customer Name: MPLX	Source: METER RUN
Well Name: FEDERAL 2307 07P BUY BACK (LOGOS)	Well Flowing: Y
County/State:	Pressure: 97 PSIG
Location:	Flow Temp: 60 DEG. F
Lease/PA/CA: NM138467	Ambient Temp: 27 DEG. F
Formation:	Flow Rate: 18 MCF/D
Cust. Stn. No.: 070-0117	Sample Method: Purge & Fill
	Sample Date: 02/19/2026
	Sample Time: 10.32 AM
	Sampled By: KRYS
Heat Trace: N	Sampled by (CO): ABC
Remarks:	

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Helium	0.0000	N/R	0.0000	0.00	0.0000
Nitrogen	2.3890	2.3950	0.2640	0.00	0.0231
CO2	0.6384	0.6400	0.1090	0.00	0.0097
Methane	65.7123	65.8780	11.1950	663.69	0.3640
Ethane	12.7598	12.7920	3.4290	225.81	0.1325
Propane	10.9125	10.9400	3.0210	274.57	0.1661
Iso-Butane	1.4394	1.4430	0.4730	46.81	0.0289
N-Butane	3.6448	3.6540	1.1550	118.90	0.0731
I-Pentane	0.8529	0.8550	0.3130	34.12	0.0212
N-Pentane	0.7990	0.8010	0.2910	32.03	0.0199
C6	0.7237	0.8540	0.2990	34.42	0.0215
C7	0.1024	N/R	0.0470	5.64	0.0035
C8	0.0248	N/R	0.0130	1.55	0.0010
C9P	0.0009	N/R	0.0010	0.07	0.0000
Total	100.0000	100.2520	20.610	1437.61	0.8647

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0052	CYLINDER #:	2057
BTU/CU.FT IDEAL:	1440.9	CYLINDER PRESSURE:	101 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1448.3	ANALYSIS DATE:	02/23/2026
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1423.1	ANALYSIS TIME:	02:53:32 PM
DRY BTU @ 15.025:	1477.3	ANALYSIS RUN BY:	PATRICIA KING
REAL SPECIFIC GRAVITY:	0.8688		

GPM, BTU, and SPG calculations as shown above are based on current GPA constants.

GPA Standard: GPA 2286-14

GC: SRI Instruments 8610 Last Cal/Verify: 05/05/2026

GC Method: C9+ Gas



MPLX
WELL ANALYSIS COMPARISON

Lease: FEDERAL 2307 07P BUY **Source:** METER RUN 05/05/2026
Stn. No.: 070-0117 **Formation:** 83250-10435
Mtr. No.:

Smpl Date:	02/19/2026	02/20/2025	02/06/2023	02/09/2022	02/23/2021	02/12/2020	01/24/2020
Test Date:	02/23/2026	02/26/2025	02/07/2023	02/11/2022	02/24/2021	02/14/2020	01/29/2020
Run No:	WT20260225	WT20250172	WT20230073	WT20220039	WT210043	WT200085	WT200042
Helium:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Nitrogen:	2.3890	2.4565	3.0148	3.1211	3.6217	4.6768	4.8581
CO2:	0.6384	0.5935	0.6066	0.5942	0.5753	0.6146	0.5308
Methane:	65.7123	66.5890	64.6443	63.7239	64.2877	63.8718	64.9224
Ethane:	12.7598	12.8714	12.8100	12.9351	12.7111	12.5140	12.2627
Propane:	10.9125	10.2488	11.0809	11.0488	10.7540	11.1688	10.3267
I-Butane:	1.4394	1.3051	1.4551	1.4633	1.4164	1.4771	1.3794
N-Butane:	3.6448	3.3767	3.7452	3.8286	3.6876	3.7143	3.6052
I-Pentane:	0.8529	0.8089	0.8884	0.9683	0.9376	0.7969	0.8432
N-Pentane:	0.7990	0.8725	0.8546	0.9653	0.9611	0.7269	0.7635
C6:	0.7237	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
C7:	0.1024	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
C8:	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
C9P:	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
BTU:	1448.3	1434.9	1456.2	1483.2	1453.5	1411.1	1396.1
GPM:	20.6100	20.1280	20.2660	20.2480	20.1770	20.1730	20.0190
SPG:	0.8688	0.8601	0.8800	0.8984	0.8843	0.8689	0.8598

10/23/2019
 10/28/2019
 WT190184

0.0000
 5.1634
 0.5152
 64.5656
 12.2800
 10.4105
 1.3378
 3.3878
 0.7769
 0.7488
 0.0000
 0.0000
 0.0000
 0.0000
 1399.5
 19.9070
 0.8651

**LOGOS Operating, LLC
Federal Well Pad
Venting due to an equipment malfunction
Facility: fAPP2203454238**

**TOTAL VOLUME: 146 MCF
START OF EVENT: 4/29/2026 at 5:45 PM
END OF EVENT: 6/4/2026 at 1:19 PM**

Date & Volume:

Date	Captured (Mcf)	Daily vented (Mcf)	C-129 Reportable
2026-04-29	4.01	0.11	No < 8 hrs
2026-04-30	0.00	4.12	
2026-05-01	0.00	4.12	
2026-05-02	0.00	4.12	
2026-05-03	0.00	4.12	
2026-05-04	0.00	4.12	
2026-05-05	0.00	4.12	
2026-05-06	0.00	4.12	
2026-05-07	0.00	4.12	
2026-05-08	0.00	4.12	
2026-05-09	0.00	4.12	
2026-05-10	0.00	4.12	
2026-05-11	0.00	4.12	
2026-05-12	0.11	4.01	
2026-05-13	0.12	4.00	
2026-05-14	0.82	3.30	
2026-05-15	0.82	3.30	
2026-05-16	0.00	4.12	
2026-05-17	0.00	4.12	
2026-05-18	0.00	4.12	
2026-05-19	0.00	4.12	
2026-05-20	0.00	4.12	
2026-05-21	0.00	4.12	
2026-05-22	0.00	4.12	
2026-05-23	0.00	4.12	
2026-05-24	0.00	4.12	
2026-05-25	0.00	4.12	
2026-05-26	0.00	4.12	
2026-05-27	0.00	4.12	
2026-05-28	0.00	4.12	

2026-05-29	0.00	4.12	
2026-05-30	0.00	4.12	
2026-05-31	0.00	4.12	
2026-06-01	0.00	4.12	
2026-06-02	0.00	4.12	
2026-06-03	0.00	4.12	
2026-06-04	0.49	3.63	
Total vented (Mcf)		146	

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

General Information
Phone: (505) 629-6116

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

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

DEFINITIONS

Action 595607

DEFINITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 595607
	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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QUESTIONS

Action 595607

QUESTIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 595607
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Prerequisites	
<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	[fAPP2203454238] Federal Tank Battery

Determination of Reporting Requirements	
<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	Yes
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

Equipment Involved	
Primary Equipment Involved	Flow Line - Production
Additional details for Equipment Involved. Please specify	Leak on inlet scrubber of VRU.

Representative Compositional Analysis of Vented or Flared Natural Gas	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	66
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	1
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.

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QUESTIONS, Page 2

Action 595607

QUESTIONS (continued)

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 595607
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	05/30/2026
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	11:59 PM
Cumulative hours during this event	24

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Normal Operations Flow Line - Production Natural Gas Vented Released: 146 Mcf Recovered: 0 Mcf Lost: 146 Mcf.
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 this vent or flare a result of downstream activity	No
Was notification of downstream activity received by this operator	Not answered.
Downstream OGRID that should have notified this operator	Not answered.
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	During routine OGI the vent was discovered and the issue was repaired immediately upon discovery. Follow-up OGI confirmed no additional issues.
Steps taken to limit the duration and magnitude of vent or flare	Routine OGI.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Implemented additional alarming techniques.

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ACKNOWLEDGMENTS

Action 595607

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	Action Number: 595607
	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 complete 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.

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CONDITIONS

Action 595607

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 595607
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
sescojeda	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.	6/15/2026