



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

Analysis No: HM20250128
Cust No: 33700-10430

Well/Lease Information

Customer Name: HARVEST MIDSTREAM
 Well Name: 31-6 CDP
 County/State: Rio Arriba NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: 62205

Source: Inlet To Station
 Well Flowing:
 Pressure: PSIG
 Flow Temp: DEG. F
 Ambient Temp: DEG. F
 Flow Rate: MCF/D
 Sample Method:
 Sample Date: 10/10/2025
 Sample Time: 10.41 AM
 Sampled By: Ashton H
 Sampled by (CO): Harvest Mid

Heat Trace:
 Remarks: Calculated Molecular Weight: 17.4808

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1370	0.1387	0.0150	0.00	0.0013
CO2	4.0490	4.0981	0.6920	0.00	0.0615
Methane	94.2263	95.3688	16.0050	951.69	0.5219
Ethane	1.2748	1.2903	0.3420	22.56	0.0132
Propane	0.2163	0.2189	0.0600	5.44	0.0033
Iso-Butane	0.0346	0.0350	0.0110	1.12	0.0007
N-Butane	0.0288	0.0291	0.0090	0.94	0.0006
Neopentane 2,2 dmc3	0.0000	0.0000	0.0000	0.00	0.0000
I-Pentane	0.0107	0.0108	0.0040	0.43	0.0003
N-Pentane	0.0073	0.0074	0.0030	0.29	0.0002
Neohexane	0.0003	N/R	0.0000	0.01	0.0000
2-3-Dimethylbutane	0.0002	N/R	0.0000	0.01	0.0000
Cyclopentane	0.0003	N/R	0.0000	0.01	0.0000
2-Methylpentane	0.0016	N/R	0.0010	0.08	0.0000
3-Methylpentane	0.0007	N/R	0.0000	0.03	0.0000
C6	0.0017	0.0154	0.0010	0.08	0.0001
Methylcyclopentane	0.0009	N/R	0.0000	0.04	0.0000
Benzene	0.0005	N/R	0.0000	0.02	0.0000
Cyclohexane	0.0007	N/R	0.0000	0.03	0.0000
2-Methylhexane	0.0003	N/R	0.0000	0.02	0.0000
3-Methylhexane	0.0003	N/R	0.0000	0.02	0.0000
2-2-4-Trimethylpentane	0.0001	N/R	0.0000	0.01	0.0000
i-heptanes	0.0002	N/R	0.0000	0.01	0.0000
Heptane	0.0011	N/R	0.0010	0.06	0.0000

Methylcyclohexane	0.0020	N/R	0.0010	0.10	0.0001
Toluene	0.0009	N/R	0.0000	0.04	0.0000
2-Methylheptane	0.0003	N/R	0.0000	0.02	0.0000
4-Methylheptane	0.0002	N/R	0.0000	0.01	0.0000
i-Octanes	0.0002	N/R	0.0000	0.01	0.0000
Octane	0.0006	N/R	0.0000	0.04	0.0000
Ethylbenzene	0.0001	N/R	0.0000	0.01	0.0000
m, p Xylene	0.0006	N/R	0.0000	0.03	0.0000
o Xylene (& 2,2,4 tmc7)	0.0002	N/R	0.0000	0.01	0.0000
i-C9	0.0005	N/R	0.0000	0.03	0.0000
C9	0.0002	N/R	0.0000	0.01	0.0000
i-C10	0.0005	N/R	0.0000	0.03	0.0000
C10	0.0001	N/R	0.0000	0.01	0.0000
i-C11	0.0000	N/R	0.0000	0.00	0.0000
C11	0.0000	N/R	0.0000	0.00	0.0000
C12P	0.0000	N/R	0.0000	0.00	0.0000
Helium	0.0000	N/R	0.0000	0.00	0.0000
Total	100.00	101.212	17.145	983.26	0.6035

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0022	CYLINDER #:	
BTU/CU.FT IDEAL:	985.5	CYLINDER PRESSURE:	103 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	987.7	ANALYSIS DATE:	11/07/2025
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	970.5	ANALYSIS TIME:	10:18:53 AM
DRY BTU @ 15.025:	1007.5	ANALYSIS RUN BY:	ELAINE MORRISON
REAL SPECIFIC GRAVITY:	0.6046		

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: 11/12/2025

GC Method: C12+BTEX Gas



HARVEST MIDSTREAM
WELL ANALYSIS COMPARISON

Lease: 31-6 CDP

Inlet To Station

11/12/2025

Stn. No.: 62205

33700-10430

Mtr. No.:

Smpl Date:	10/10/2025	09/20/2024	10/20/2023	11/30/2022	10/06/2021	10/02/2020	02/06/2020
Test Date:	11/07/2025	10/01/2024	10/23/2023	12/08/2022	10/07/2021	10/06/2020	02/12/2020
Run No.:	HM20250128	HM20240076	HM20230254	HM20220115	HM2021085	HM200089	HM200010
Nitrogen:	0.1370	0.3810	0.0754	0.0204	0.0680	0.0403	0.1060
CO2:	4.0490	3.1133	2.1802	18.2213	18.3564	17.2942	4.6174
Methane:	94.2263	94.9272	97.4382	81.1912	81.0431	82.1076	93.6294
Ethane:	1.2748	1.2524	0.2979	0.4912	0.4578	0.4827	1.2577
Propane:	0.2163	0.2291	0.0083	0.0661	0.0670	0.0659	0.2628
I-Butane:	0.0346	0.0400	0.0000	0.0030	0.0021	0.0039	0.0524
N-Butane:	0.0288	0.0299	0.0000	0.0067	0.0057	0.0035	0.0427
2,2 dmc3:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
I-Pentane:	0.0107	0.0131	0.0000	0.0000	0.0000	0.0000	0.0095
N-Pentane:	0.0073	0.0068	0.0000	0.0000	0.0000	0.0000	0.0054
Neohexane:	0.0003	0.0001	0.0000	0.0000	0.0000	0.0000	0.0004
2-3-	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.0003
Cyclopentane:	0.0003	0.0001	0.0000	0.0000	0.0000	0.0000	0.0003
2-Methylpentane:	0.0016	0.0007	0.0000	0.0000	0.0000	0.0002	0.0020
3-Methylpentane:	0.0007	0.0003	0.0000	0.0000	0.0000	0.0001	0.0008
C6:	0.0017	0.0009	0.0000	0.0000	0.0000	0.0001	0.0021
Methylcyclopentane:	0.0009	0.0005	0.0000	0.0000	0.0000	0.0001	0.0015
Benzene:	0.0005	0.0002	0.0000	0.0000	0.0000	0.0000	0.0006
Cyclohexane:	0.0007	0.0003	0.0000	0.0000	0.0000	0.0000	0.0010
2-Methylhexane:	0.0003	0.0001	0.0000	0.0000	0.0000	0.0000	0.0003
3-Methylhexane:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2-2-4-	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
i-heptanes:	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.0003
Heptane:	0.0011	0.0006	0.0000	0.0000	0.0000	0.0002	0.0010
Methylcyclohexane:	0.0020	0.0008	0.0000	0.0000	0.0000	0.0002	0.0024
Toluene:	0.0009	0.0005	0.0000	0.0000	0.0000	0.0002	0.0012
2-Methylheptane:	0.0003	0.0001	0.0000	0.0000	0.0000	0.0000	0.0004
4-Methylheptane:	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.0002
i-Octanes:	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.0002
Octane:	0.0006	0.0003	0.0000	0.0000	0.0000	0.0001	0.0006
Ethylbenzene:	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
m, p Xylene:	0.0006	0.0003	0.0000	0.0000	0.0000	0.0002	0.0005
o Xylene (& 2,2,4	0.0002	0.0001	0.0000	0.0000	0.0000	0.0001	0.0001
i-C9:	0.0005	0.0003	0.0000	0.0000	0.0000	0.0004	0.0001
C9:	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.0002
i-C10:	0.0005	0.0002	0.0000	0.0000	0.0000	0.0001	0.0000
C10:	0.0005	0.0002	0.0000	0.0000	0.0000	0.0001	0.0000
i-C11:	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
C11:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
C12P:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Helium:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
BTU:	987.7	994.5	994.0	834.7	832.6	843.9	983.5
GPM:	17.1480	17.1280	17.0120	17.0670	17.0610	17.0630	17.1580
SPG:	0.6046	0.5964	0.5778	0.7346	0.7360	0.7257	0.6108

31-6
EXTENDED
Inlet Gas Sample
10-10-25

Phone 505 419 8804
Email

Ashton.hanson@Harvestmid
Stream.com

3-Feb-26

Enter One Value Only

SCFM

or

MMscf/d

or

lb/hr



Flow Required

MMscf/D

530 Relieving Pressure (psig)

11.65 Atmospheric Pressure (psia)

40 Relieving Temp (F)

0.60 Specific Gravity of Gas (SG)

0.859 ASME Flow Coefficient (K)

344 Gas Constant (C)

2.776 Area (in**2)

Calculated
Relief Valve Capacity

28,492 SCFM

41.029 MMscf/d

78,271 lb/hr

Or Area

- Area (in**2)

PSV Manufacturer: Axelson

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Orifice Size: 2.776 sq in KX Orifice

Relief Pressure: 530 psig

PSV Relief Capacity at Relief Pressure: 28,492 SCFM

Duration: 6.25 min

Gas Loss: 178 Mcf

Sizing Calculations

542 Relieving Pressure P (psia) (Selected Relieving Pressure Should Include Allowable Buildup.)

560 Relieving Temp T (Deg R)

14.7 P base psia

520 T base Deg R

1.0 Z base

1.0 Z relieving z (Can assume z = 1.0 to be conservative.)

17.4 Molecular Weight M =SG*MW of Air (28.964)

0.04579 Gas Density lb/ft**3 =Pbase*(MW)/(Zbase*R(10.73)*Tbase) (At exit conditions, STP)

0.859 Flow Coefficient K (Use Manufacturer's Coefficient.)

344 Gas Constant C (Normally 344 for .6 SG, Natural Gas)

- SCFM

MMscf/d

- lb/hr

2.7760 Actual Flow Area A (in**2)

- Given SCFM solving for Area (in**2) = (SCFM*Density*60)/(K*C*P*(SQRT(M/zT)))
- Given MMscf/d solving for Area (in**2) = (MMscf/d*Density*1000000/24)/(K*C*P*(SQRT(M/zT)))
- Given lb/hr solving for Area (in**2) = (lb/hr)/(K*C*P*(SQRT(M/zT)))

28,492 Given Area Solving for SCFM	= (K*A*C*P)*(Density*60)*(SQRT(M/zT))
41.029 Given Area Solving for MMscf/d	= (K*A*C*P)/(Density*1000000/24)*(SQRT(M/zT))
78,271 Given Area Solving for lb/hr	= (K*A*C*P)*(SQRT(M/zT))

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

General Information
Phone: (505) 629-6116

Online Phone Directory
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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

DEFINITIONS

Action 549415

DEFINITIONS

Operator:	OGRID:
Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	373888
	Action Number:
	549415

Action Type:
[C-129] Amend Venting and/or Flaring (C-129A)

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 549415

QUESTIONS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 549415
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

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 ID (n#)	<i>Unavailable.</i>
Incident Name	<i>Unavailable.</i>
Incident Type	Flare
Incident Status	<i>Unavailable.</i>
Incident Facility	[fCS1608448772] 31-6 COMPRESSOR STATION

Only valid Vent, Flare or Vent with Flaring incidents (selected above in the Application Details section) that are assigned to your current operator can be amended with this C-129A application.

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 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	No
Is this considered a submission for a vent or flare event	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 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	Gas Compressor Station
Additional details for Equipment Involved. Please specify	One of the inlet PRVs for the station popped off due to Transwestern going down causing high line pressure.

Representative Compositional Analysis of Vented or Flared Natural Gas

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

Methane (CH4) percentage	94
Nitrogen (N2) percentage, if greater than one percent	0
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	4
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	<i>Not answered.</i>
Nitrogen (N2) percentage quality requirement	<i>Not answered.</i>
Hydrogen Sulfide (H2S) PPM quality requirement	<i>Not answered.</i>
Carbon Dioxide (CO2) percentage quality requirement	<i>Not answered.</i>
Oxygen (O2) percentage quality requirement	<i>Not answered.</i>

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QUESTIONS, Page 2

Action 549415

QUESTIONS (continued)

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 549415
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	01/28/2026
Time vent or flare was discovered or commenced	08:40 AM
Time vent or flare was terminated	08:50 AM
Cumulative hours during this event	0

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: High Line Pressure Gas Compressor Station Natural Gas Vented Released: 178 Mcf Recovered: 0 Mcf Lost: 178 Mcf.
Natural Gas Flared (Mcf) Details	<i>Not answered.</i>
Other Released Details	<i>Not answered.</i>
Additional details for Measured or Estimated Volume(s). Please specify	<i>Not answered.</i>
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	<i>Not answered.</i>
Downstream OGRID that should have notified this operator	<i>Not answered.</i>
Date notified of downstream activity requiring this vent or flare	
Time notified of downstream activity requiring this vent or flare	<i>Not answered.</i>

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	Transwestern went down causing high line pressure.
Steps taken to limit the duration and magnitude of vent or flare	PRV intermittently popped off and relieved pressure as designed. Once pressure came down PRV reset stopping the release.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Harvest will be conducting an incident investigation to help reduce reoccurrence.

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ACKNOWLEDGMENTS

Action 549415

ACKNOWLEDGMENTS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 549415
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that with this application I will be amending an existing incident file (assigned to this operator) for a vent or flare event, pursuant to 19.15.27 and 19.15.28 NMAC.
<input checked="" type="checkbox"/>	I acknowledge that amending an incident file does not replace original submitted application(s) or information and understand that any C-129 forms submitted to the OCD will be logged and stored as public record.
<input checked="" type="checkbox"/>	I hereby certify the statements in this amending 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 549415

CONDITIONS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 549415
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

CONDITIONS

Created By	Condition	Condition Date
agarbarini	If the information provided in this report requires further amendment(s), submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	2/3/2026