



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

Analysis No: HM20240055
Cust No: 33700-10690

Well/Lease Information

Customer Name: HARVEST MIDSTREAM
Well Name: Laguna A-59
County/State:
Location:
Lease/PA/CA:
Formation:
Cust. Stn. No.: 02013-01

Source:
Well Flowing:
Pressure: 407 PSIA
Flow Temp: 83.8 DEG. F
Ambient Temp: DEG. F
Flow Rate: MCF/D
Sample Method:
Sample Date: 07/30/2024
Sample Time: 12.50 PM
Sampled By: Dakota W.
Sampled by (CO): Harvest

Heat Trace:

Remarks: Calculated Molecular Weight: 17.05

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.0913	0.0906	0.0100	0.00	0.0009
CO2	3.4459	3.4204	0.5890	0.00	0.0524
Methane	96.2321	95.5209	16.3440	971.94	0.5330
Ethane	0.2308	0.2291	0.0620	4.08	0.0024
Propane	0.0000	0.0000	0.0000	0.00	0.0000
Iso-Butane	0.0000	0.0000	0.0000	0.00	0.0000
N-Butane	0.0000	0.0000	0.0000	0.00	0.0000
Neopentane 2,2 dmc3	0.0000	0.0000	0.0000	0.00	0.0000
I-Pentane	0.0000	0.0000	0.0000	0.00	0.0000
N-Pentane	0.0000	0.0000	0.0000	0.00	0.0000
Neohexane	0.0000	N/R	0.0000	0.00	0.0000
2-3-Dimethylbutane	0.0000	N/R	0.0000	0.00	0.0000
Cyclopentane	0.0000	N/R	0.0000	0.00	0.0000
2-Methylpentane	0.0000	N/R	0.0000	0.00	0.0000
3-Methylpentane	0.0000	N/R	0.0000	0.00	0.0000
C6	0.0000	0.0000	0.0000	0.00	0.0000
Methylcyclopentane	0.0000	N/R	0.0000	0.00	0.0000
Benzene	0.0000	N/R	0.0000	0.00	0.0000
Cyclohexane	0.0000	N/R	0.0000	0.00	0.0000
2-Methylhexane	0.0000	N/R	0.0000	0.00	0.0000
3-Methylhexane	0.0000	N/R	0.0000	0.00	0.0000
2-2-4-Trimethylpentane	0.0000	N/R	0.0000	0.00	0.0000
i-heptanes	0.0000	N/R	0.0000	0.00	0.0000
Heptane	0.0000	N/R	0.0000	0.00	0.0000

Methylcyclohexane	0.0000	N/R	0.0000	0.00	0.0000
Toluene	0.0000	N/R	0.0000	0.00	0.0000
2-Methylheptane	0.0000	N/R	0.0000	0.00	0.0000
4-Methylheptane	0.0000	N/R	0.0000	0.00	0.0000
i-Octanes	0.0000	N/R	0.0000	0.00	0.0000
Octane	0.0000	N/R	0.0000	0.00	0.0000
Ethylbenzene	0.0000	N/R	0.0000	0.00	0.0000
m, p Xylene	0.0000	N/R	0.0000	0.00	0.0000
o Xylene (& 2,2,4 tmc7)	0.0000	N/R	0.0000	0.00	0.0000
i-C9	0.0000	N/R	0.0000	0.00	0.0000
C9	0.0000	N/R	0.0000	0.00	0.0000
i-C10	0.0000	N/R	0.0000	0.00	0.0000
C10	0.0000	N/R	0.0000	0.00	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
Total	100.00	99.261	17.005	976.03	0.5887

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0021	CYLINDER #:	1026
BTU/CU.FT IDEAL:	978.3	CYLINDER PRESSURE:	337 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	980.3	ANALYSIS DATE:	07/31/2024
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	963.2	ANALYSIS TIME:	12:30:09 PM
DRY BTU @ 15.025:	999.9	ANALYSIS RUN BY:	ELAINE MORRISON
REAL SPECIFIC GRAVITY:	0.5897		

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: 08/01/2024****GC Method: C12+BTEX Gas**



HARVEST MIDSTREAM
WELL ANALYSIS COMPARISON

Lease: Laguna A-59

08/01/2024

Stn. No.: 02013-01

33700-10690

Mtr. No.:

Smpl Date:	07/30/2024	08/24/2022
Test Date:	07/31/2024	08/25/2022
Run No:	HM20240055	HM20220082
Nitrogen:	0.0913	0.0750
CO2:	3.4459	3.5456
Methane:	96.2321	96.1528
Ethane:	0.2308	0.2266
Propane:	0.0000	0.0000
I-Butane:	0.0000	0.0000
N-Butane:	0.0000	0.0000
2,2 dmc3:	0.0000	0.0000
I-Pentane:	0.0000	0.0000
N-Pentane:	0.0000	0.0000
Neohexane:	0.0000	0.0000
2-3-	0.0000	0.0000
Cyclopentane:	0.0000	0.0000
2-Methylpentane:	0.0000	0.0000
3-Methylpentane:	0.0000	0.0000
C6:	0.0000	0.0000
Methylcyclopentane:	0.0000	0.0000
Benzene:	0.0000	0.0000
Cyclohexane:	0.0000	0.0000
2-Methylhexane:	0.0000	0.0000
3-Methylhexane:	0.0000	0.0000
2-2-4-	0.0000	0.0000
i-heptanes:	0.0000	0.0000
Heptane:	0.0000	0.0000
Methylcyclohexane:	0.0000	0.0000
Toluene:	0.0000	0.0000
2-Methylheptane:	0.0000	0.0000
4-Methylheptane:	0.0000	0.0000
i-Octanes:	0.0000	0.0000
Octane:	0.0000	0.0000
Ethylbenzene:	0.0000	0.0000
m, p Xylene:	0.0000	0.0000
o Xylene (& 2,2,4	0.0000	0.0000
i-C9:	0.0000	0.0000
C9:	0.0000	0.0000
i-C10:	0.0000	0.0000
C10:	0.0000	0.0000
i-C11:	0.0000	0.0000
C11:	0.0000	0.0000
C12P:	0.0000	0.0000
BTU:	980.3	979.5
GPM:	17.0050	17.0060
SPG:	0.5897	0.5905

33200-10690 337#

Location of Sample: A59 / Laguna		Meter Code & CK Digit:
Continuous Sampler Beginning Date:		Ending Date or Date Pulled: 07/30/24
Run Number: East	Operator Code: Mechanic	Line PSIG: 407 psia
Cylinder Number: FCA 1026	Type Sample: <input checked="" type="checkbox"/> Spot <input type="checkbox"/> Continuous	Flow Temp.: 83°F
Remarks:		
Hm 20240055		
Sample Taken By: Dakota Wyckoff		Phone Number: (505) 419-5247
Bottle # 1026		

Line Leak Calc

Orifice Diameter	0.750 inches
Pressure	559 psig
Time/date Discovered	1/20/2024 9:00
Time/date Isolated	1/20/2024 9:30
Total Hours Blown	0.50 hours
Area of Orifice	0.442 sq. inches

Lost Gas From Line Leak 157.219 Mcf

Blowdown Calc

Length	feet
Actual Pipe OD	6.625 inches
Wall Thickness	0.188 inches
Pressure	559 psig

Lost Gas From Blowdown 0.000 Mcf

Total Gas Loss 157.22 Mcf

Lost Gas=(Orifice Diameter)^2*Pressure*Time Blown

Lost Gas=(Inside Diameter)^2*Pressure*Length*0.372/1000000

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 422621

DEFINITIONS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 422621
	Action Type: [C-129] Venting and/or Flaring (C-129)

DEFINITIONS

<p>For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application:</p> <ul style="list-style-type: none">• 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 422621

QUESTIONS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 422621
	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	[ICS1900350062] LATERAL A-59 COMPRESSOR STATION

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	No
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	Gas Compressor Station
Additional details for Equipment Involved. Please specify	PSV on Dehy

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	96
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	3
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 422621

QUESTIONS (continued)

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 422621
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	01/19/2025
Time vent or flare was discovered or commenced	08:00 PM
Time vent or flare was terminated	08:30 PM
Cumulative hours during this event	1

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Other Valve Natural Gas Vented Released: 157 Mcf Recovered: 0 Mcf Lost: 157 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	PSV on the Dehy malfunctioned open.
Steps taken to limit the duration and magnitude of vent or flare	The dehy was shut in to stop the leak until the PSV could get fixed
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	The PSV was removed and calibrated by a certified PSV technician.

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ACKNOWLEDGMENTS

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	Action Number: 422621
	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 422621

CONDITIONS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 422621
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
chadsnell	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.	1/21/2025