



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

Analysis No: HM20240020  
Cust No: 33700-10445

### Well/Lease Information

Customer Name: HARVEST MIDSTREAM  
Well Name: 30-5 CDP  
County/State: RIO ARRIBA NM  
Location:  
Lease/PA/CA:  
Formation:  
Cust. Stn. No.:

Source: INLET PIPE  
Well Flowing: Y  
Pressure: 62 PSIG  
Flow Temp: 65 DEG. F  
Ambient Temp: 37 DEG. F  
Flow Rate: 7.1 MCF/D  
Sample Method: Purge & Fill  
Sample Date: 03/28/2024  
Sample Time: 9.30 AM  
Sampled By: Stratton Walter  
Sampled by (CO): Harvest

Heat Trace: Y

Remarks: Calculated Molecular Weight = 17.7726

### Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1182	0.1187	0.0130	0.00	0.0011
CO2	4.0284	4.0467	0.6890	0.00	0.0612
Methane	93.0435	93.4673	15.8060	939.74	0.5154
Ethane	1.9935	2.0026	0.5340	35.28	0.0207
Propane	0.5003	0.5026	0.1380	12.59	0.0076
Iso-Butane	0.0921	0.0925	0.0300	2.99	0.0018
N-Butane	0.0965	0.0969	0.0300	3.15	0.0019
Neopentane 2,2 dmc3	0.0000	0.0000	0.0000	0.00	0.0000
I-Pentane	0.0370	0.0372	0.0140	1.48	0.0009
N-Pentane	0.0234	0.0235	0.0080	0.94	0.0006
Neohexane	0.0014	N/R	0.0010	0.07	0.0000
2-3-Dimethylbutane	0.0011	N/R	0.0000	0.05	0.0000
Cyclopentane	0.0012	N/R	0.0000	0.05	0.0000
2-Methylpentane	0.0077	N/R	0.0030	0.37	0.0002
3-Methylpentane	0.0029	N/R	0.0010	0.14	0.0001
C6	0.0083	0.0675	0.0030	0.39	0.0002
Methylcyclopentane	0.0063	N/R	0.0020	0.28	0.0002
Benzene	0.0014	N/R	0.0000	0.05	0.0000
Cyclohexane	0.0034	N/R	0.0010	0.15	0.0001
2-Methylhexane	0.0012	N/R	0.0010	0.07	0.0000
3-Methylhexane	0.0014	N/R	0.0010	0.08	0.0000
2-2-4-Trimethylpentane	0.0005	N/R	0.0000	0.03	0.0000
i-heptanes	0.0009	N/R	0.0000	0.05	0.0000
Heptane	0.0042	N/R	0.0020	0.23	0.0001

Methylcyclohexane	0.0095	N/R	0.0040	0.50	0.0003
Toluene	0.0026	N/R	0.0010	0.12	0.0001
2-Methylheptane	0.0020	N/R	0.0010	0.12	0.0001
4-Methylheptane	0.0009	N/R	0.0000	0.06	0.0000
i-Octanes	0.0019	N/R	0.0010	0.11	0.0001
Octane	0.0028	N/R	0.0010	0.17	0.0001
Ethylbenzene	0.0001	N/R	0.0000	0.01	0.0000
m, p Xylene	0.0020	N/R	0.0010	0.10	0.0001
o Xylene (& 2,2,4 tmc7)	0.0002	N/R	0.0000	0.01	0.0000
i-C9	0.0009	N/R	0.0000	0.06	0.0000
C9	0.0014	N/R	0.0010	0.10	0.0001
i-C10	0.0006	N/R	0.0000	0.04	0.0000
C10	0.0002	N/R	0.0000	0.02	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	100.456	17.287	999.58	0.6135

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

\*\*@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0023	CYLINDER #:	1113
BTU/CU.FT IDEAL:	1001.9	CYLINDER PRESSURE:	51 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1004.2	ANALYSIS DATE:	04/02/2024
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	986.7	ANALYSIS TIME:	09:35:16 AM
DRY BTU @ 15.025:	1024.3	ANALYSIS RUN BY:	PATRICIA KING
REAL SPECIFIC GRAVITY:	0.6147		

**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: 04/02/2024**

**GC Method: C12+BTEX Gas**



HARVEST MIDSTREAM  
WELL ANALYSIS COMPARISON

Lease: 30-5 CDP

INLET PIPE

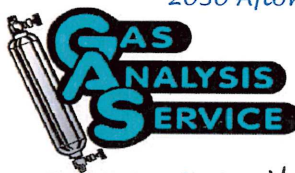
04/02/2024

Stn. No.:

33700-10445

Mtr. No.:

Smpl Date:	03/28/2024	03/14/2023	03/29/2022	03/29/2021	12/31/2020	03/31/2020
Test Date:	04/02/2024	03/15/2023	03/30/2022	03/31/2021	01/05/2021	04/01/2020
Run No:	HM20240020	HM20230011	HM20220007	HM2021017	HM210002	HM200016
Nitrogen:	0.1182	0.0340	0.0929	0.0453	0.1404	0.0370
CO2:	4.0284	19.5327	4.4341	21.0733	5.1083	20.5547
Methane:	93.0435	79.7053	92.6844	78.2051	91.7603	78.7626
Ethane:	1.9935	0.6538	1.9672	0.6147	2.1298	0.5922
Propane:	0.5003	0.0742	0.4756	0.0547	0.5439	0.0535
I-Butane:	0.0921	0.0000	0.0846	0.0027	0.1039	0.0000
N-Butane:	0.0965	0.0000	0.0942	0.0042	0.1051	0.0000
2,2 dmc3:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
I-Pentane:	0.0370	0.0000	0.0000	0.0000	0.0448	0.0000
N-Pentane:	0.0234	0.0000	0.1020	0.0000	0.0305	0.0000
Neohexane:	0.0014	0.0000	0.0012	0.0000	0.0009	0.0000
2-3-	0.0011	0.0000	0.0011	0.0000	0.0007	0.0000
Cyclopentane:	0.0012	0.0000	0.0011	0.0000	0.0007	0.0000
2-Methylpentane:	0.0077	0.0000	0.0072	0.0000	0.0044	0.0000
3-Methylpentane:	0.0029	0.0000	0.0025	0.0000	0.0016	0.0000
C6:	0.0083	0.0000	0.0083	0.0000	0.0045	0.0000
Methylcyclopentane:	0.0063	0.0000	0.0065	0.0000	0.0033	0.0000
Benzene:	0.0014	0.0000	0.0014	0.0000	0.0009	0.0000
Cyclohexane:	0.0034	0.0000	0.0039	0.0000	0.0022	0.0000
2-Methylhexane:	0.0012	0.0000	0.0010	0.0000	0.0007	0.0000
3-Methylhexane:	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000
2-2-4-	0.0005	0.0000	0.0005	0.0000	0.0002	0.0000
i-heptanes:	0.0009	0.0000	0.0008	0.0000	0.0005	0.0000
Heptane:	0.0042	0.0000	0.0040	0.0000	0.0020	0.0000
Methylcyclohexane:	0.0095	0.0000	0.0097	0.0000	0.0046	0.0000
Toluene:	0.0026	0.0000	0.0028	0.0000	0.0011	0.0000
2-Methylheptane:	0.0020	0.0000	0.0018	0.0000	0.0008	0.0000
4-Methylheptane:	0.0009	0.0000	0.0008	0.0000	0.0004	0.0000
i-Octanes:	0.0019	0.0000	0.0014	0.0000	0.0005	0.0000
Octane:	0.0028	0.0000	0.0023	0.0000	0.0011	0.0000
Ethylbenzene:	0.0001	0.0000	0.0001	0.0000	0.0000	0.0000
m, p Xylene:	0.0020	0.0000	0.0018	0.0000	0.0005	0.0000
o Xylene (& 2,2,4	0.0002	0.0000	0.0002	0.0000	0.0000	0.0000
i-C9:	0.0009	0.0000	0.0007	0.0000	0.0001	0.0000
C9:	0.0014	0.0000	0.0007	0.0000	0.0003	0.0000
i-C10:	0.0006	0.0000	0.0013	0.0000	0.0001	0.0000
C10:	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000
i-C11:	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000
C11:	0.0000	0.0000	0.0003	0.0000	0.0001	0.0000
C12P:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
BTU:	1004.2	822.5	1000.7	806.3	994.2	811.3
GPM:	17.2920	17.0840	17.2950	17.0810	17.3070	17.0780
SPG:	0.6147	0.7482	0.6188	0.7629	0.6259	0.7576



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51#

C6+ ☐

C9+ ☐

C12+ BTEX ☐

Helium ☐

Sulfurs ☐

Ext. Liquid ☐

Other Extended Inlet

Date 3/28/24

Sampled By: (Co.) Harvest Midstream

Time 09:30

☒ AM

☐ PM

Sampled by: (Person) Stratton Waller

Well Flowing: ☒ Yes ☐ No

Company: Harvest Midstream

Heat Trace: ☐ Yes ☒ No

Well Name: 30-5 COP

Flow Pressure (PSIG): 62 #

API #:

Flow Temp (°F): 65° #

Lease#:

Ambient Temp (°F): 37°

County:

State:

Formation:

Flow Rate (MCF/D): 7.1

Source: ☐ Meter Run ☐ Tubing ☐ Casing ☐ Bradenhead ☒ Other Inlet pvc

Sample Type: ☐ Spot ☐ Composite Sample Method: ☒ Purge & Fill ☐ Other

Meter Number:

Cylinder Number: 3 log # 1113 PCA

Contact: 505 258 9028

Cyl # 1113

Remarks:

33700-10445

HM20240020

**Line Leak Calc**

Orifice Diameter	2.851 inches
Pressure	506 psig
Time/date Discovered	5/3/2024 5:42
Time/date Isolated	5/3/2024 5:45
Total Hours Blown	0.05 hours
Area of Orifice	6.384 sq. inches

**Lost Gas From Line Leak                      205.643 Mcf**

**Blowdown Calc**

Length		feet
Actual Pipe OD		inches
Wall Thickness		inches
Pressure	506	psig

**Lost Gas From Blowdown                      0.000 Mcf**

<b>Total Gas Loss                      205.64 Mcf</b>
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Lost Gas=(Orifice Diameter)^2\*Pressure\*Time Blown

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

**District I**  
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**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**

DEFINITIONS  
  
Action 344209

DEFINITIONS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 344209
	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: <ul style="list-style-type: none"><li>• this application's operator, hereinafter "this operator";</li><li>• venting and/or flaring, hereinafter "vent or flare";</li><li>• any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";</li><li>• the statements in (and/or attached to) this, hereinafter "the statements in this";</li><li>• and the past tense will be used in lieu of mixed past/present tense questions and statements.</li></ul>
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QUESTIONS

Action 344209

QUESTIONS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 344209
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

<b>Prerequisites</b> 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	Unavailable.
Incident Facility	[fCS00000000050] WFS 30-5 #1COMPRESSOR STATION

<b>Determination of Reporting Requirements</b> 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 withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

<b>Equipment Involved</b>	
Primary Equipment Involved	Other (Specify)
Additional details for Equipment Involved. Please specify	PSV on the discharge of the dehy

<b>Representative Compositional Analysis of Vented or Flared Natural Gas</b> Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	87
Nitrogen (N2) percentage, if greater than one percent	0
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (C02) percentage, if greater than one percent	2
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 Sufide (H2S) PPM quality requirement	Not answered.
Carbon Dioxide (C02) percentage quality requirement	Not answered.
Oxygen (O2) percentage quality requirement	Not answered.

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QUESTIONS, Page 2  
  
Action 344209

QUESTIONS (continued)

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 344209
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	05/03/2024
Time vent or flare was discovered or commenced	05:42 AM
Time vent or flare was terminated	05:45 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   Other (Specify)   Natural Gas Vented   Released: 205 Mcf   Recovered: 0 Mcf   Lost: 205 Mcf.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Cause: High Line Pressure   Other (Specify)   Glycol   Released: 3 GAL   Recovered: 0 GAL   Lost: 3 GAL.
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 lifted to unexpected shut down of El Cedro causing high line pressure at 30-5
Steps taken to limit the duration and magnitude of vent or flare	PSV acted as it was suppose to. El Cedro site was started asap to relieve high pressure
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	PSV acted as it was suppose to relieving high pressure





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ACKNOWLEDGMENTS  
  
Action 344209

ACKNOWLEDGMENTS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 344209
	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 <b>complete</b> 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 344209

CONDITIONS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 344209
	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.	5/15/2024