



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

Analysis No: HM20240037  
Cust No: 33700-10175

### Well/Lease Information

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

Source:  
Well Flowing:  
Pressure: 25 PSIG  
Flow Temp: 69 DEG. F  
Ambient Temp: 71 DEG. F  
Flow Rate: 8 MCF/D  
Sample Method:  
Sample Date: 04/29/2024  
Sample Time: 1.00 PM  
Sampled By: Jeff Taylor  
Sampled by (CO): HARVEST MID

Heat Trace:

Remarks: Calculated Molecular Weight = 18.8535

### Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.2327	0.2314	0.0260	0.00	0.0023
CO2	2.2145	2.2024	0.3790	0.00	0.0336
Methane	89.0878	88.6009	15.1400	899.79	0.4935
Ethane	4.9927	4.9654	1.3380	88.36	0.0518
Propane	1.7732	1.7635	0.4900	44.62	0.0270
Iso-Butane	0.3814	0.3793	0.1250	12.40	0.0077
N-Butane	0.4620	0.4595	0.1460	15.07	0.0093
Neopentane 2,2 dmc3	0.0000	0.0000	0.0000	0.00	0.0000
I-Pentane	0.2089	0.2078	0.0770	8.36	0.0052
N-Pentane	0.1383	0.1375	0.0500	5.54	0.0034
Neohexane	0.0094	N/R	0.0040	0.45	0.0003
2-3-Dimethylbutane	0.0100	N/R	0.0040	0.47	0.0003
Cyclopentane	0.0104	N/R	0.0030	0.39	0.0003
2-Methylpentane	0.0676	N/R	0.0280	3.21	0.0020
3-Methylpentane	0.0256	N/R	0.0100	1.22	0.0008
C6	0.0779	0.5058	0.0320	3.70	0.0023
Methylcyclopentane	0.0481	N/R	0.0170	2.16	0.0014
Benzene	0.0102	N/R	0.0030	0.38	0.0003
Cyclohexane	0.0229	N/R	0.0080	1.03	0.0007
2-Methylhexane	0.0124	N/R	0.0060	0.68	0.0004
3-Methylhexane	0.0098	N/R	0.0050	0.53	0.0003
2-2-4-Trimethylpentane	0.0040	N/R	0.0020	0.25	0.0002
i-heptanes	0.0082	N/R	0.0040	0.44	0.0003
Heptane	0.0346	N/R	0.0160	1.90	0.0012

Methylcyclohexane	0.0725	N/R	0.0290	3.78	0.0025
Toluene	0.0258	N/R	0.0090	1.15	0.0008
2-Methylheptane	0.0135	N/R	0.0070	0.84	0.0005
4-Methylheptane	0.0063	N/R	0.0030	0.39	0.0002
i-Octanes	0.0082	N/R	0.0040	0.49	0.0003
Octane	0.0167	N/R	0.0090	1.04	0.0007
Ethylbenzene	0.0006	N/R	0.0000	0.03	0.0000
m, p Xylene	0.0076	N/R	0.0030	0.39	0.0003
o Xylene (& 2,2,4 tmc7)	0.0005	N/R	0.0000	0.03	0.0000
i-C9	0.0016	N/R	0.0010	0.11	0.0001
C9	0.0027	N/R	0.0020	0.19	0.0001
i-C10	0.0010	N/R	0.0010	0.07	0.0000
C10	0.0003	N/R	0.0000	0.02	0.0000
i-C11	0.0000	N/R	0.0000	0.00	0.0000
C11	0.0001	N/R	0.0000	0.01	0.0000
C12P	0.0001	N/R	0.0000	0.01	0.0000
Total	100.00	99.453	17.981	1099.50	0.6500

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

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

COMPRESSIBILITY FACTOR (1/Z): 1.0027  
 BTU/CU.FT IDEAL: 1102.0  
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1105.0  
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1085.8  
 DRY BTU @ 15.025: 1127.1  
 REAL SPECIFIC GRAVITY: 0.6515

CYLINDER #: 100  
 CYLINDER PRESSURE: 19 PSIG  
 ANALYSIS DATE: 05/07/2024  
 ANALYSIS TIME: 09:34:36 AM  
 ANALYSIS RUN BY: PATRICIA KING

**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: 05/07/2024**

**GC Method: C12+BTEX Gas**



HARVEST MIDSTREAM  
WELL ANALYSIS COMPARISON

**Lease:** TRUNK M CDP

05/07/2024

**Stn. No.:**

33700-10175

**Mtr. No.:**

Smpl Date:	04/29/2024	04/12/2023	04/25/2022	04/20/2021	06/03/2020	04/02/2019
Test Date:	05/07/2024	04/14/2023	04/29/2022	04/21/2021	06/04/2020	04/03/2019
Run No:	HM20240037	HM20230031	HM20220036	HM2021030	HM200052	HM190015
Nitrogen:	0.2327	0.2075	0.2162	0.1609	0.1705	0.1357
CO2:	2.2145	2.0997	2.1898	2.0540	2.0807	1.9757
Methane:	89.0878	88.6847	89.7606	88.4824	88.4325	88.8050
Ethane:	4.9927	5.2121	4.6015	5.5773	5.5399	5.4014
Propane:	1.7732	1.8751	1.6554	1.9613	1.9964	1.9418
I-Butane:	0.3814	0.4036	0.3542	0.4310	0.4282	0.4202
N-Butane:	0.4620	0.4918	0.4254	0.5193	0.5094	0.5080
2,2 dmc3:	0.0000	0.0000	0.0000	0.0061	0.0016	0.0112
I-Pentane:	0.2089	0.2125	0.1884	0.2294	0.2150	0.2204
N-Pentane:	0.1383	0.1402	0.1254	0.1527	0.1424	0.1430
Neohexane:	0.0094	0.0113	0.0082	0.0078	0.0081	0.0126
2-3-	0.0100	0.0109	0.0076	0.0083	0.0090	0.0079
Cyclopentane:	0.0104	0.0113	0.0079	0.0086	0.0094	0.0082
2-Methylpentane:	0.0676	0.0734	0.0513	0.0556	0.0609	0.0531
3-Methylpentane:	0.0256	0.0299	0.0209	0.0224	0.0256	0.0258
C6:	0.0779	0.0924	0.0673	0.0657	0.0714	0.0636
Methylcyclopentane:	0.0481	0.0651	0.0446	0.0444	0.0454	0.0447
Benzene:	0.0102	0.0145	0.0101	0.0106	0.0109	0.0111
Cyclohexane:	0.0229	0.0320	0.0220	0.0237	0.0259	0.0239
2-Methylhexane:	0.0124	0.0158	0.0104	0.0110	0.0134	0.0119
3-Methylhexane:	0.0000	0.0000	0.0003	0.0000	0.0000	0.0000
2-2-4-	0.0040	0.0064	0.0046	0.0036	0.0040	0.0043
i-heptanes:	0.0082	0.0117	0.0079	0.0074	0.0091	0.0081
Heptane:	0.0346	0.0488	0.0341	0.0290	0.0344	0.0300
Methylcyclohexane:	0.0725	0.0976	0.0691	0.0587	0.0649	0.0558
Toluene:	0.0258	0.0413	0.0285	0.0184	0.0246	0.0197
2-Methylheptane:	0.0135	0.0201	0.0155	0.0106	0.0138	0.0110
4-Methylheptane:	0.0063	0.0095	0.0074	0.0051	0.0068	0.0057
i-Octanes:	0.0082	0.0098	0.0077	0.0051	0.0056	0.0065
Octane:	0.0167	0.0242	0.0191	0.0110	0.0164	0.0121
Ethylbenzene:	0.0006	0.0009	0.0008	0.0003	0.0005	0.0004
m, p Xylene:	0.0076	0.0186	0.0154	0.0062	0.0089	0.0059
o Xylene (& 2,2,4	0.0005	0.0017	0.0014	0.0005	0.0006	0.0005
i-C9:	0.0016	0.0026	0.0025	0.0005	0.0008	0.0014
C9:	0.0027	0.0051	0.0044	0.0013	0.0024	0.0017
i-C10:	0.0010	0.0012	0.0014	0.0001	0.0003	0.0006
C10:	0.0003	0.0008	0.0007	0.0001	0.0002	0.0009
i-C11:	0.0000	0.0000	0.0003	0.0000	0.0000	0.0000
C11:	0.0001	0.0003	0.0011	0.0000	0.0000	0.0000
C12P:	0.0001	0.0001	0.0003	0.0000	0.0000	0.0000
BTU:	1105.0	1117.9	1097.5	1115.0	1116.1	1113.9
GPM:	17.9980	18.0870	17.9250	18.0790	18.0890	18.0570
SPG:	0.6515	0.6579	0.6462	0.6545	0.6558	0.6523

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19#



**GAS  
ANALYSIS  
SERVICE**

C6+ ☐ C6+w/H2S ☐ C9+ ☐ C12+ BTEX ☐

Helium ☐ Sulfurs ☐ Ext. Liquid ☐

Other \_\_\_\_\_

Date 4/29/24

Sampled By: (Co.) Harvest Midstream

Time 1:00

☐ AM  
☒ PM

Sampled by: (Person) Jeff Taylor

Well Flowing: ☐ Yes ☐ No

Company: Harvest Midstream

Heat Trace: ☐ Yes ☐ No

Well Name: Trunk M CDP

Flow Pressure (PSIG): 25

API #: \_\_\_\_\_

Flow Temp (°F): 69

Lease#: \_\_\_\_\_

Ambient Temp (°F): 71

County: \_\_\_\_\_

State: \_\_\_\_\_

Formation: \_\_\_\_\_

Flow Rate (MCF/D): 8mil

Source: ☐ Meter Run ☐ Tubing ☐ Casing ☐ Bradenhead ☐ Other \_\_\_\_\_

Sample Type: ☐ Spot ☐ Composite Sample Method: ☐ Purge & Fill ☐ Other \_\_\_\_\_

Meter Number: \_\_\_\_\_

Cylinder Number: H25-100

Contact: \_\_\_\_\_

Remarks: 33700-10175

HM 20240037

Average Daily Flow Rate 29-6 #2	1.57E+07 per day	
Average Daily Flow Rate Sims Mesa	1.20E+07 per day	
<b>Total Daily Flow Rate</b>	<b>2.77E+07</b>	
 Total flow for 30 minute loss	 577,083	
Less flow not lost (continued to Sims)	50,000	
		(Average flow rate to Sims between two best data points adjusted to 30 minute loss)
 <b>Total Gas Lost</b>	 <b>527,083</b>	

**District I**  
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**District II**  
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**District III**  
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**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 387756

DEFINITIONS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 387756
	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: <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 387756

QUESTIONS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 387756
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

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 ID (n#)	Unavailable.
Incident Name	Unavailable.
Incident Type	Flare
Incident Status	Unavailable.
Incident Facility	[fAPP2123052765] HARVEST FOUR CORNERS GATHER SYSTEM
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.	

<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, major 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

<b>Equipment Involved</b>	
Primary Equipment Involved	Pipeline (Any)
Additional details for Equipment Involved. Please specify	Not answered.

<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	89
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	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 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 387756

QUESTIONS (continued)

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 387756
	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	09/18/2024
Time vent or flare was discovered or commenced	09:20 AM
Time vent or flare was terminated	09:50 AM
Cumulative hours during this event	1

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Equipment Failure   Valve   Natural Gas Vented   Released: 527 Mcf   Recovered: 0 Mcf   Lost: 527 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	
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	In the process of unbolting a flange. A Valve started leaking and failed causing the release
Steps taken to limit the duration and magnitude of vent or flare	Isolation point was found as soon as possible, and line was shut in stopping the release
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Harvest is doing an investigation to eliminate reoccurrence.



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ACKNOWLEDGMENTS  
  
Action 387756

ACKNOWLEDGMENTS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 387756
	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 387756

CONDITIONS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 387756
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

CONDITIONS

Created By	Condition	Condition Date
chadsnell	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.	9/27/2024