



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

Analysis No: HM2021108  
Cust No: 33700-10220

### Well/Lease Information

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

Source: METER RUN  
Well Flowing:  
Pressure: 30 PSIG  
Flow Temp: 52 DEG. F  
Ambient Temp: 45 DEG. F  
Flow Rate: 13.2 MCF/D  
Sample Method:  
Sample Date: 12/21/2021  
Sample Time: 9.00 AM  
Sampled By: Johnny A.  
Sampled by (CO): HARVEST MID

Heat Trace:

Remarks: Calibrated Molecular Weight: 21.102

### Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.6014	0.5886	0.0660	0.00	0.0058
CO2	0.7599	0.7437	0.1300	0.00	0.0115
Methane	79.9165	78.2144	13.5940	807.16	0.4427
Ethane	10.2573	10.0388	2.7520	181.52	0.1065
Propane	4.6740	4.5744	1.2920	117.60	0.0712
Iso-Butane	0.8280	0.8104	0.2720	26.93	0.0166
N-Butane	1.3103	1.2824	0.4140	42.75	0.0263
Neopentane 2,2 dmc3	0.0000	0.0000	0.0000	0.00	0.0000
I-Pentane	0.4800	0.4698	0.1760	19.21	0.0120
N-Pentane	0.3616	0.3539	0.1320	14.50	0.0090
Neohexane	0.0118	N/R	0.0050	0.56	0.0004
2-3-Dimethylbutane	0.0201	N/R	0.0080	0.95	0.0006
Cyclopentane	0.0209	N/R	0.0060	0.79	0.0005
2-Methylpentane	0.1354	N/R	0.0560	6.43	0.0040
3-Methylpentane	0.0579	N/R	0.0240	2.75	0.0017
C6	0.1490	0.7937	0.0610	7.09	0.0044
Methylcyclopentane	0.0987	N/R	0.0350	4.44	0.0029
Benzene	0.0173	N/R	0.0050	0.65	0.0005
Cyclohexane	0.0475	N/R	0.0160	2.13	0.0014
2-Methylhexane	0.0171	N/R	0.0080	0.93	0.0006
3-Methylhexane	0.0193	N/R	0.0090	1.05	0.0007
2-2-4-Trimethylpentane	0.0042	N/R	0.0020	0.26	0.0002
i-heptanes	0.0126	N/R	0.0050	0.67	0.0004
Heptane	0.0449	N/R	0.0210	2.47	0.0016

Methylcyclohexane	0.0791	N/R	0.0320	4.13	0.0027
Toluene	0.0273	N/R	0.0090	1.22	0.0009
2-Methylheptane	0.0124	N/R	0.0060	0.77	0.0005
4-Methylheptane	0.0065	N/R	0.0030	0.40	0.0003
i-Octanes	0.0049	N/R	0.0020	0.30	0.0002
Octane	0.0131	N/R	0.0070	0.82	0.0005
Ethylbenzene	0.0006	N/R	0.0000	0.03	0.0000
m, p Xylene	0.0066	N/R	0.0030	0.34	0.0002
o Xylene (& 2,2,4 tmc7)	0.0007	N/R	0.0000	0.04	0.0000
i-C9	0.0006	N/R	0.0000	0.04	0.0000
C9	0.0013	N/R	0.0010	0.09	0.0001
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	0.0001	N/R	0.0000	0.01	0.0000
C12P	0.0001	N/R	0.0000	0.01	0.0000
Total	100.00	97.870	19.152	1249.05	0.7267

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

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

COMPRESSIBILITY FACTOR (1/Z):	1.0036	CYLINDER #:	02
BTU/CU.FT IDEAL:	1251.9	CYLINDER PRESSURE:	33 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1256.5	ANALYSIS DATE:	12/28/2021
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1234.6	ANALYSIS TIME:	02:36:55 AM
DRY BTU @ 15.025:	1281.7	ANALYSIS RUN BY:	ELAINE MORRISON
REAL SPECIFIC GRAVITY:	0.7291		

**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: 12/29/2021**

**GC Method: C12+BTEX Gas**



HARVEST MIDSTREAM  
WELL ANALYSIS COMPARISON

**Lease:** TRUNK H CDP

METER RUN

12/29/2021

**Stn. No.:**

33700-10220

**Mtr. No.:**

Smpl Date:	12/21/2021	10/22/2020	04/26/2019
Test Date:	12/28/2021	10/27/2020	05/02/2019
Run No:	HM2021108	HM200091	HM190027
Nitrogen:	0.6014	0.3848	0.3876
CO2:	0.7599	0.8758	0.8191
Methane:	79.9165	78.9157	78.4802
Ethane:	10.2573	10.5653	10.9918
Propane:	4.6740	4.7994	5.0850
I-Butane:	0.8280	0.8928	0.8891
N-Butane:	1.3103	1.4434	1.4800
2,2 dmc3:	0.0000	0.0000	0.0083
I-Pentane:	0.4800	0.5516	0.5478
N-Pentane:	0.3616	0.4254	0.4063
Neohexane:	0.0118	0.0148	0.0188
2-3-	0.0201	0.0271	0.0181
Cyclopentane:	0.0209	0.0282	0.0188
2-Methylpentane:	0.1354	0.1823	0.1217
3-Methylpentane:	0.0579	0.0769	0.0583
C6:	0.1490	0.2126	0.1455
Methylcyclopentane:	0.0987	0.1423	0.1145
Benzene:	0.0173	0.0214	0.0199
Cyclohexane:	0.0475	0.0697	0.0528
2-Methylhexane:	0.0171	0.0303	0.0227
3-Methylhexane:	0.0000	0.0000	0.0000
2-2-4-	0.0042	0.0066	0.0075
i-heptanes:	0.0126	0.0196	0.0152
Heptane:	0.0449	0.0726	0.0615
Methylcyclohexane:	0.0791	0.1152	0.0986
Toluene:	0.0273	0.0372	0.0336
2-Methylheptane:	0.0124	0.0175	0.0195
4-Methylheptane:	0.0065	0.0099	0.0112
i-Octanes:	0.0049	0.0057	0.0080
Octane:	0.0131	0.0176	0.0202
Ethylbenzene:	0.0006	0.0007	0.0007
m, p Xylene:	0.0066	0.0070	0.0078
o Xylene (& 2,2,4	0.0007	0.0006	0.0006
i-C9:	0.0006	0.0008	0.0012
C9:	0.0013	0.0015	0.0020
i-C10:	0.0005	0.0002	0.0001
C10:	0.0001	0.0001	0.0002
i-C11:	0.0000	0.0000	0.0000
C11:	0.0001	0.0001	0.0000
C12P:	0.0001	0.0000	0.0000
BTU:	1256.5	1283.7	1283.2
GPM:	19.1910	19.4010	19.4050
SPG:	0.7291	0.7463	0.7450



C6+ ☐ C9+ ☐ C12+ ☐ BTEX ☐ Helium ☐  
N2 Flowback ☐ Sulfurs ☐ Ext. Liquid ☐

Other \_\_\_\_\_ Date \_\_\_\_\_  
Time \_\_\_\_\_ ☐ AM ☐ PM

Sampled By: (Co.) \_\_\_\_\_

Sampled by: (Person) \_\_\_\_\_ Well Flowing: ☐ Yes ☐ No

Company: Harvest Midstream Heat Trace: ☐ Yes ☐ No

Well Name: Trunk # Flow Pressure (PSIG): 3014.

Lease#: \_\_\_\_\_ Flow Temp (°F): 52°

County: \_\_\_\_\_ Formation: \_\_\_\_\_ Ambient Temp (°F): 46°

State: \_\_\_\_\_ Location: \_\_\_\_\_ Flow Rate (MCF/D): 13.2

Source: ☒ Meter Run ☐ Tubing ☐ Casing ☐ Bradenhead ☐ Other Extended

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

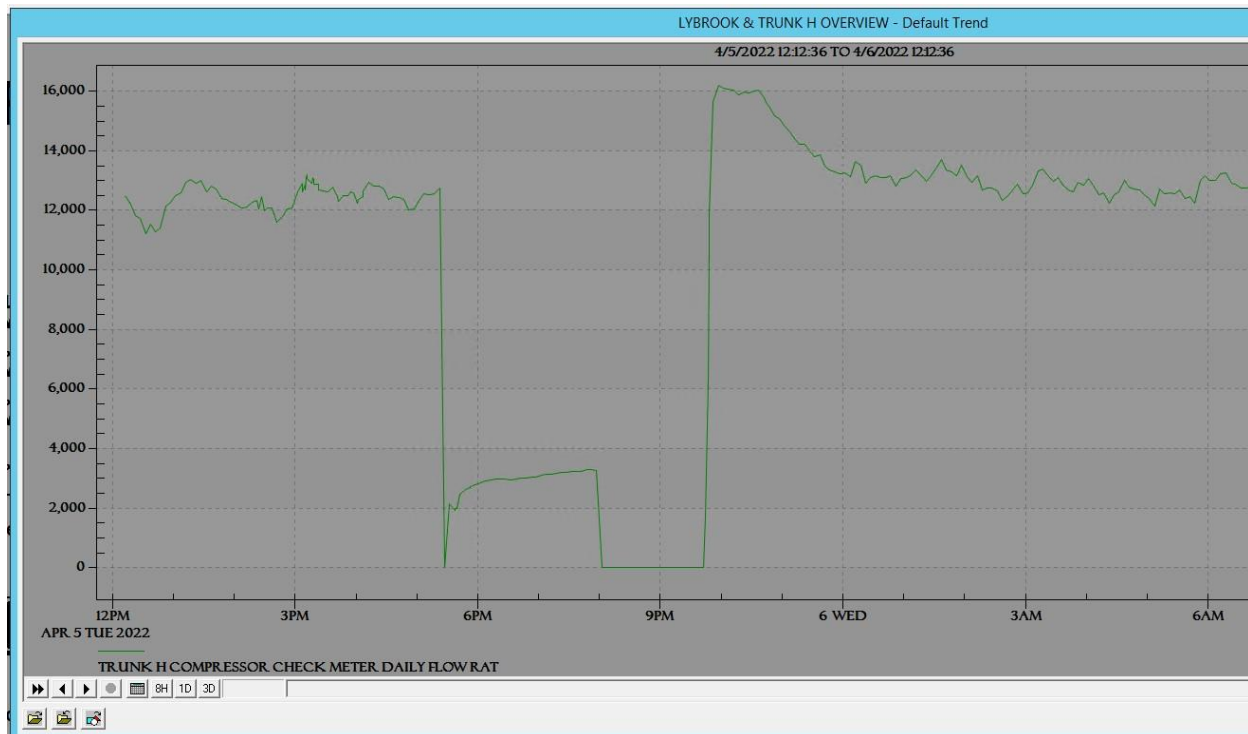
Meter Number: \_\_\_\_\_ Cylinder Number: \_\_\_\_\_

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

Remarks: 33700-10220 HM2021108

The total gas loss was 312 Mcf.

This gas loss estimate is based on an average measured volume through the inlet meter run over a 2.5 hour span from 5:22 pm – 8:52 pm. See attached screen shot.



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**District II**  
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**District III**  
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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 96854

DEFINITIONS

Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID: 373888
	Action Number: 96854
	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 96854

**QUESTIONS**

Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID: 373888
	Action Number: 96854
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

<b>Prerequisites</b>	
<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	Not answered.
Incident Facility	[fAPP2123052765] HARVEST FOUR CORNERS GATHER SYSTEM

<b>Determination of Reporting Requirements</b>	
<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 <b>at least 50 MCF</b> of natural gas vented and/or flared during this event	Yes
Did this vent or flare result in the release of <b>ANY</b> 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	Valve
Additional details for Equipment Involved. Please specify	Valve failed and partially ESD site. Discharge valve was shut off and suction valve was partially opened

<b>Representative Compositional Analysis of Vented or Flared Natural Gas</b>	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	80
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	0
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 96854

QUESTIONS (continued)

Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID: 373888
	Action Number: 96854
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	04/05/2022
Time vent or flare was discovered or commenced	08:00 PM
Time vent or flare was terminated	08:15 PM
Cumulative hours during this event	0

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Equipment Failure   Valve   Natural Gas Vented   Released: 312 Mcf   Recovered: 0 Mcf   Lost: 312 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	Valve Failure
Steps taken to limit the duration and magnitude of vent or flare	Valves for vents shut as soon as release discovered
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Valve repaired and site brought back online.



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ACKNOWLEDGMENTS

Action 96854

**ACKNOWLEDGMENTS**

Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID: 373888
	Action Number: 96854
	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 96854

CONDITIONS

Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID: 373888
	Action Number: 96854
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
jakdsolutions	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.	4/7/2022