



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

Analysis No: HM20220077  
Cust No: 33700-10535

### Well/Lease Information

Customer Name:	HARVEST MIDSTREAM	Source:	METER RUN
Well Name:	Blanco Inlet Trunk F/G	Well Flowing:	Y
County/State:	San Juan NM	Pressure:	100 PSIG
Location:		Flow Temp:	90 DEG. F
Lease/PA/CA:		Ambient Temp:	74 DEG. F
Formation:		Flow Rate:	MCF/D
Cust. Stn. No.:		Sample Method:	
		Sample Date:	08/12/2022
		Sample Time:	9.50 AM
		Sampled By:	Ricky Miller
		Sampled by (CO):	Harvest Mid
Heat Trace:	N		
Remarks:	Calculated Molecular Weight = 20.5094		

### Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3770	0.3791	0.0420	0.00	0.0036
CO2	2.6526	2.6677	0.4540	0.00	0.0403
Methane	83.4123	83.8858	14.1840	842.46	0.4620
Ethane	7.1813	7.2221	1.9260	127.09	0.0746
Propane	3.2255	3.2438	0.8910	81.16	0.0491
Iso-Butane	0.6457	0.6494	0.2120	21.00	0.0130
N-Butane	0.9844	0.9900	0.3110	32.11	0.0198
Neopentane 2,2 dmc3	0.0000	0.0000	0.0000	0.00	0.0000
I-Pentane	0.3483	0.3503	0.1280	13.94	0.0087
N-Pentane	0.2613	0.2628	0.0950	10.48	0.0065
Neohexane	0.0153	N/R	0.0060	0.72	0.0005
2-3-Dimethylbutane	0.0189	N/R	0.0080	0.90	0.0006
Cyclopentane	0.0197	N/R	0.0060	0.74	0.0005
2-Methylpentane	0.1273	N/R	0.0530	6.04	0.0038
3-Methylpentane	0.0464	N/R	0.0190	2.20	0.0014
C6	0.1499	0.9167	0.0620	7.13	0.0045
Methylcyclopentane	0.1084	N/R	0.0380	4.88	0.0031
Benzene	0.0195	N/R	0.0050	0.73	0.0005
Cyclohexane	0.0536	N/R	0.0180	2.40	0.0016
2-Methylhexane	0.0181	N/R	0.0080	0.99	0.0006
3-Methylhexane	0.0227	N/R	0.0100	1.24	0.0008
2-2-4-Trimethylpentane	0.0065	N/R	0.0030	0.40	0.0003
i-heptanes	0.0134	N/R	0.0060	0.71	0.0005
Heptane	0.0564	N/R	0.0260	3.10	0.0020

Methylcyclohexane	0.1100	N/R	0.0440	5.74	0.0037
Toluene	0.0423	N/R	0.0140	1.89	0.0013
2-Methylheptane	0.0212	N/R	0.0110	1.31	0.0008
4-Methylheptane	0.0092	N/R	0.0050	0.57	0.0004
i-Octanes	0.0097	N/R	0.0050	0.58	0.0004
Octane	0.0217	N/R	0.0110	1.36	0.0009
Ethylbenzene	0.0010	N/R	0.0000	0.05	0.0000
m, p Xylene	0.0136	N/R	0.0050	0.70	0.0005
o Xylene (& 2,2,4 tmc7)	0.0012	N/R	0.0000	0.06	0.0000
i-C9	0.0018	N/R	0.0010	0.12	0.0001
C9	0.0029	N/R	0.0020	0.20	0.0001
i-C10	0.0004	N/R	0.0000	0.03	0.0000
C10	0.0004	N/R	0.0000	0.03	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	100.568	18.609	1173.09	0.7063

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

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

COMPRESSIBILITY FACTOR (1/Z):	1.0033	CYLINDER #:	4001
BTU/CU.FT IDEAL:	1175.8	CYLINDER PRESSURE:	97 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1179.7	ANALYSIS DATE:	08/12/2022
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1159.2	ANALYSIS TIME:	04:11:45 AM
DRY BTU @ 15.025:	1203.3	ANALYSIS RUN BY:	ELAINE MORRISON
REAL SPECIFIC GRAVITY:	0.7084		

**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: 08/17/2022**

**GC Method: C12+BTEX Gas**



HARVEST MIDSTREAM  
WELL ANALYSIS COMPARISON

Lease: Blanco Inlet Trunk F/G

METER RUN

08/17/2022

Stn. No.:

33700-10535

Mtr. No.:

Smpl Date:	08/12/2022	09/03/2021	08/26/2020
Test Date:	08/12/2022	09/13/2021	08/31/2020
Run No:	HM20220077	HM2021073	HM200077
Nitrogen:	0.3770	0.4188	0.1677
CO2:	2.6526	2.4869	2.0599
Methane:	83.4123	84.4356	82.8886
Ethane:	7.1813	7.1502	8.1093
Propane:	3.2255	3.0747	3.6929
I-Butane:	0.6457	0.5818	0.7047
N-Butane:	0.9844	0.8611	1.0972
2,2 dmc3:	0.0000	0.0000	0.0011
I-Pentane:	0.3483	0.3299	0.3706
N-Pentane:	0.2613	0.2409	0.2708
Neohexane:	0.0153	0.0086	0.0112
2-3-	0.0189	0.0110	0.0179
Cyclopentane:	0.0197	0.0114	0.0186
2-Methylpentane:	0.1273	0.0740	0.1205
3-Methylpentane:	0.0464	0.0332	0.0447
C6:	0.1499	0.0769	0.1176
Methylcyclopentane:	0.1084	0.0516	0.0684
Benzene:	0.0195	0.0121	0.0094
Cyclohexane:	0.0536	0.0275	0.0363
2-Methylhexane:	0.0181	0.0083	0.0118
3-Methylhexane:	0.0000	0.0001	0.0000
2-2-4-	0.0065	0.0020	0.0029
i-heptanes:	0.0134	0.0061	0.0074
Heptane:	0.0564	0.0194	0.0281
Methylcyclohexane:	0.1100	0.0382	0.0578
Toluene:	0.0423	0.0142	0.0201
2-Methylheptane:	0.0212	0.0048	0.0133
4-Methylheptane:	0.0092	0.0020	0.0053
i-Octanes:	0.0097	0.0017	0.0083
Octane:	0.0217	0.0040	0.0150
Ethylbenzene:	0.0010	0.0002	0.0007
m, p Xylene:	0.0136	0.0025	0.0067
o Xylene (& 2,2,4	0.0012	0.0003	0.0005
i-C9:	0.0018	0.0002	0.0011
C9:	0.0029	0.0004	0.0018
i-C10:	0.0004	0.0000	0.0001
C10:	0.0004	0.0001	0.0001
i-C11:	0.0000	0.0001	0.0000
C11:	0.0001	0.0000	0.0001
C12P:	0.0001	0.0001	0.0001
BTU:	1179.7	1152.9	1195.8
GPM:	18.6510	18.4540	18.7590
SPG:	0.7084	0.6885	0.7065



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97#

C6+ ☐C9+ ☐C12+ BTEX ☐Helium ☐Sulfurs ☐Ext. Liquid ☐Other Extended Analysis Date 6/12/22Sampled By: (Co.) Harvest MidstreamTime 0850 ☒ AM ☐ PMSampled by: (Person) Ricky MillerWell Flowing: ☒ Yes ☐ NoCompany: Harvest MidstreamHeat Trace: ☐ Yes ☒ NoWell Name: Blanco CDP (Trk F/G)Flow Pressure (PSIG): 160

API #:

Flow Temp (°F): 90

Lease#:

Ambient Temp (°F): 74

County: \_\_\_\_\_ State: \_\_\_\_\_ Formation: \_\_\_\_\_

Flow Rate (MCF/D): \_\_\_\_\_

Source: ☒ Meter Run ☐ Tubing ☐ Casing ☐ Bradenhead ☐ Other \_\_\_\_\_Sample Type: ☒ Spot ☐ Composite Sample Method: ☐ Purge & Fill ☐ Other \_\_\_\_\_

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

Cylinder Number: 4001Contact: (505) 258-5130Remarks: Blanco Suction Trk F/G Extended Analysis

33700-10535

HM20220077

**Line Leak Calc**

Orifice Diameter	0.375 inches
Pressure	170 psig
Time/date Discovered	7/15/2023 11:02
Total Hours Blown	12.97 hours
Area of Orifice	0.110 sq. inches

**Lost Gas From Line Leak                      309.978 Mcf**

**Blowdown Calc**

Length	22,704 feet
Actual Pipe OD	6.625 inches
Wall Thickness	0.28 inches
Pressure	170 psig

**Lost Gas From Blowdown                      52.815 Mcf**

<b>Total Gas Loss                      362.79 Mcf</b>
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Lost Gas=(Orifice Diameter)^2\*Pressure\*Time Blown

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

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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 243913

DEFINITIONS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 243913
	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 243913

**QUESTIONS**

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 243913
	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 Operator	[373888] Harvest Four Corners, LLC
Incident Type	Flare
Incident Status	Closure Not Approved
Incident Well	Unavailable.
Incident Facility	[APP2123052765] 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	Yes
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 <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 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	83
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
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 243913

**QUESTIONS (continued)**

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID:
	373888
	Action Number:
	243913
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	07/15/2023
Time vent or flare was discovered or commenced	11:02 AM
Time vent or flare was terminated	11:59 PM
Cumulative hours during this event	13

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Corrosion   Pipeline (Any)   Natural Gas Vented   Released: 363 Mcf   Recovered: 0 Mcf   Lost: 363 Mcf.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Cause:     Other (Specify)   Released: 0 (Unknown Released Amount)   Recovered: 0   Lost: 0
Additional details for Measured or Estimated Volume(s). Please specify	This report contains the date/time that initial detection was made by aerial surveillance. Harvest wasnt informed of the potential leak until later and didnt actually discover the leak until 7/21. The gas loss calculation is based on the initial detection
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	This pipeline leak was discovered via aerial surveillance of the gathering system. The leak was caused by external corrosion. Harvest could not have reasonably anticipated that external factors would result in corrosion in that spot at this time
Steps taken to limit the duration and magnitude of vent or flare	Upon being notified of a potential leak, Harvest immediately dispatched personnel to isolate the pipeline and stop any potential natural gas release. Leak was confirmed when pipeline was excavated and Harvest identified a single hole in the pipeline
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Corroded section of pipeline was removed and replaced with new pipe



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ACKNOWLEDGMENTS

Action 243913

**ACKNOWLEDGMENTS**

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	Action Number: 243913
	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 243913

CONDITIONS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 243913
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

CONDITIONS

Created By	Condition	Condition Date
oakley.hayes	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.	7/26/2023