



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

Analysis No: HM2021091
Cust No: 33700-10435

Well/Lease Information

Customer Name:	HARVEST MIDSTREAM	Source:	METER RUN
Well Name:	Laguna Seca CDP	Well Flowing:	Y
County/State:	Rio Arriba NM	Pressure:	95 PSIG
Location:		Flow Temp:	65 DEG. F
Lease/PA/CA:		Ambient Temp:	60 DEG. F
Formation:		Flow Rate:	3.5 MCF/D
Cust. Stn. No.:	02013-01	Sample Method:	
		Sample Date:	10/18/2021
		Sample Time:	11.15 AM
		Sampled By:	D. Valencia
		Sampled by (CO):	Harvest Mid
Heat Trace:	N		
Remarks:	Calculated Molecular Weight: = 17.1334		

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.2513	0.2530	0.0280	0.00	0.0024
CO2	3.6895	3.7147	0.6310	0.00	0.0561
Methane	95.9097	96.5652	16.2900	968.69	0.5312
Ethane	0.1228	0.1236	0.0330	2.17	0.0013
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	0.0268	0.0270	0.0100	1.07	0.0007
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	100.684	16.992	971.93	0.5917

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0021
 BTU/CU.FT IDEAL: 974.2
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 976.2
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 959.2
 DRY BTU @ 15.025: 995.8
 REAL SPECIFIC GRAVITY: 0.5927

CYLINDER #: 0163
 CYLINDER PRESSURE: 90 PSIG
 ANALYSIS DATE: 10/20/2021
 ANALYSIS TIME: 12:42:01 AM
 ANALYSIS RUN BY: ELAINE MORRISON

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: 10/26/2021

GC Method: C12+BTEX Gas



HARVEST MIDSTREAM
WELL ANALYSIS COMPARISON

Lease: Laguna Seca CDP
Stn. No.: 02013-01
Mtr. No.:
METER RUN
10/26/2021
33700-10435

Smpl Date:	10/18/2021	04/16/2021	02/06/2020
Test Date:	10/20/2021	04/21/2021	02/13/2020
Run No:	HM2021091	HM2021025	HM200011
Nitrogen:	0.2513	0.0701	0.0654
CO2:	3.6895	4.1404	5.1009
Methane:	95.9097	95.5707	93.9967
Ethane:	0.1228	0.2188	0.7593
Propane:	0.0000	0.0000	0.0641
I-Butane:	0.0000	0.0000	0.0075
N-Butane:	0.0000	0.0000	0.0024
2,2 dmc3:	0.0268	0.0000	0.0000
I-Pentane:	0.0000	0.0000	0.0000
N-Pentane:	0.0000	0.0000	0.0000
Neohexane:	0.0000	0.0000	0.0001
2-3-	0.0000	0.0000	0.0000
Cyclopentane:	0.0000	0.0000	0.0000
2-Methylpentane:	0.0000	0.0000	0.0003
3-Methylpentane:	0.0000	0.0000	0.0001
C6:	0.0000	0.0000	0.0003
Methylcyclopentane:	0.0000	0.0000	0.0003
Benzene:	0.0000	0.0000	0.0004
Cyclohexane:	0.0000	0.0000	0.0001
2-Methylhexane:	0.0000	0.0000	0.0001
3-Methylhexane:	0.0000	0.0000	0.0000
2-2-4-	0.0000	0.0000	0.0000
i-heptanes:	0.0000	0.0000	0.0000
Heptane:	0.0000	0.0000	0.0002
Methylcyclohexane:	0.0000	0.0000	0.0005
Toluene:	0.0000	0.0000	0.0005
2-Methylheptane:	0.0000	0.0000	0.0000
4-Methylheptane:	0.0000	0.0000	0.0001
i-Octanes:	0.0000	0.0000	0.0001
Octane:	0.0000	0.0000	0.0002
Ethylbenzene:	0.0000	0.0000	0.0000
m, p Xylene:	0.0000	0.0000	0.0002
o Xylene (& 2,2,4	0.0000	0.0000	0.0000
i-C9:	0.0000	0.0000	0.0001
C9:	0.0000	0.0000	0.0001
i-C10:	0.0000	0.0000	0.0000
C10:	0.0000	0.0000	0.0000
i-C11:	0.0000	0.0000	0.0000
C11:	0.0000	0.0000	0.0000
C12P:	0.0000	0.0000	0.0000
BTU:	976.2	973.4	969.3
GPM:	16.9820	17.0070	17.0710
SPG:	0.5927	0.5962	0.6091



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90#

C6+ ☐ C9+ ☐ C12+ BTEX ☐ Helium ☐N2 Flowback ☐ Sulfurs ☐ Ext. Liquid ☐Other Extended gas Analysis Date 10/18/2021Sampled By: (Co.) Honest midstream Time 11:15 ☒ AM ☐ PMSampled by: (Person) D. Valencia Well Flowing: ☒ Yes ☐ NoCompany: Honest midstream Heat Trace: ☐ Yes ☒ NoWell Name: A59/Laguna Seca Flow Pressure (PSIG): 95Lease#: Manero Flow Temp (°F): 105County: Rio Arriba Formation: Manero / CDr Ambient Temp (°F): 100State: NM Location: A59/Laguna Seca Flow Rate (MCF/D): 3.5Source: ☒ Meter Run ☐ Tubing ☐ Casing ☐ Bradenhead ☐ OtherSample Type: ☒ Spot ☐ Composite Sample Method: ☐ Purge & Fill ☐ OtherMeter Number: 02129-01 Cylinder Number: 0163Contact: D. Valencia 505-499-8357 33700-10435Remarks: Extended gas Analysis HM2021091

LINE LEAK OR CONTINUOUS PSV RELEASE CALCULATOR AND REPORTING

Rosa 19D

ASSUMES NO PRESSURE LOSS AS RESULT OF LEAK

DATE	PSI	PORT DIAMETER IN INCHES	TIME IN MINUTES BLOWN	MCF LOST	COMMENTS	
	40.0	0.03125	17100.00	14.39		
	40.0	0.0625	17100.00	58.03		
	40.0	0.149	17100.00	329.83		
	40.0	0.344	17100.00	1,758.06		
				2,160.31		

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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 145865

DEFINITIONS

Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID: 373888
	Action Number: 145865
	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 145865

QUESTIONS

Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID: 373888
	Action Number: 145865
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

QUESTIONS

Prerequisites	
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	Not answered.
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.	

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

Equipment Involved	
Primary Equipment Involved	Pipeline (Any)
Additional details for Equipment Involved. Please specify	Not answered.

Representative Compositional Analysis of Vented or Flared Natural Gas	
Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	96
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	4
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 145865

QUESTIONS (continued)

Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID: 373888
	Action Number: 145865
	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	09/15/2022
Time vent or flare was discovered or commenced	12:32 PM
Time vent or flare was terminated	01:15 PM
Cumulative hours during this event	285

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Corrosion Pipeline (Any) Natural Gas Vented Released: 2,160 Mcf Recovered: 0 Mcf Lost: 2,160 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	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	Corrosion
Steps taken to limit the duration and magnitude of vent or flare	Pipeline was shut in
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Pipeline was repaired

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ACKNOWLEDGMENTS

Action 145865

ACKNOWLEDGMENTS

Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID: 373888
	Action Number: 145865
	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 145865

CONDITIONS

Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID: 373888
	Action Number: 145865
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

CONDITIONS

Created By	Condition	Condition Date
jdeal	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.	9/23/2022