



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

Analysis No: HM2021052
Cust No: 33700-10185

Well/Lease Information

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

Source: SUCTION
Well Flowing: Y
Pressure: 10 PSIG
Flow Temp: 70 DEG. F
Ambient Temp: 65 DEG. F
Flow Rate: 800 MCF/D
Sample Method:
Sample Date: 05/18/2021
Sample Time: 12.42 PM
Sampled By: TC WHITON
Sampled by (CO): HARVEST MID

Heat Trace: N
Remarks: Calculated Molecular Weight = 20.2153

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3315	0.3220	0.0370	0.00	0.0032
CO2	2.0320	1.9736	0.3480	0.00	0.0309
Methane	82.6030	80.2287	14.0450	834.29	0.4575
Ethane	9.1337	8.8712	2.4500	161.64	0.0948
Propane	3.3678	3.2710	0.9310	84.74	0.0513
Iso-Butane	0.5711	0.5547	0.1870	18.57	0.0115
N-Butane	0.9009	0.8750	0.2850	29.39	0.0181
Neopentane 2,2 dmc3	0.0000	0.0000	0.0000	0.00	0.0000
I-Pentane	0.3043	0.2956	0.1120	12.18	0.0076
N-Pentane	0.2560	0.2486	0.0930	10.26	0.0064
Neohexane	0.0048	N/R	0.0020	0.23	0.0001
2-3-Dimethylbutane	0.0099	N/R	0.0040	0.47	0.0003
Cyclopentane	0.0103	N/R	0.0030	0.39	0.0002
2-Methylpentane	0.0668	N/R	0.0280	3.17	0.0020
3-Methylpentane	0.0308	N/R	0.0130	1.46	0.0009
C6	0.0781	0.4852	0.0320	3.71	0.0023
Methylcyclopentane	0.0584	N/R	0.0210	2.63	0.0017
Benzene	0.0128	N/R	0.0040	0.48	0.0003
Cyclohexane	0.0348	N/R	0.0120	1.56	0.0010
2-Methylhexane	0.0115	N/R	0.0050	0.63	0.0004
3-Methylhexane	0.0149	N/R	0.0070	0.81	0.0005
2-2-4-Trimethylpentane	0.0029	N/R	0.0020	0.18	0.0001
i-heptanes	0.0071	N/R	0.0030	0.38	0.0002
Heptane	0.0300	N/R	0.0140	1.65	0.0010

Methylcyclohexane	0.0578	N/R	0.0230	3.01	0.0020
Toluene	0.0218	N/R	0.0070	0.98	0.0007
2-Methylheptane	0.0109	N/R	0.0060	0.67	0.0004
4-Methylheptane	0.0054	N/R	0.0030	0.33	0.0002
i-Octanes	0.0070	N/R	0.0030	0.42	0.0003
Octane	0.0121	N/R	0.0060	0.76	0.0005
Ethylbenzene	0.0007	N/R	0.0000	0.04	0.0000
m, p Xylene	0.0063	N/R	0.0020	0.32	0.0002
o Xylene (& 2,2,4 tmc7)	0.0006	N/R	0.0000	0.03	0.0000
i-C9	0.0010	N/R	0.0010	0.07	0.0000
C9	0.0019	N/R	0.0010	0.13	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	0.0001	N/R	0.0000	0.01	0.0000
C12P	0.0000	N/R	0.0000	0.00	0.0000
Total	100.00	97.126	18.690	1175.65	0.6970

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0032	CYLINDER #:	09
BTU/CU.FT IDEAL:	1178.4	CYLINDER PRESSURE:	9 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1182.2	ANALYSIS DATE:	05/18/2021
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1161.6	ANALYSIS TIME:	01:00:57 AM
DRY BTU @ 15.025:	1205.9	ANALYSIS RUN BY:	PATRICIA KING
REAL SPECIFIC GRAVITY:	0.699		

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: 05/20/2021

GC Method: C12+BTEX Gas



HARVEST MIDSTREAM
WELL ANALYSIS COMPARISON

Lease: PIPKIN CDP

SUCTION

05/20/2021

Stn. No.:

33700-10185

Mtr. No.:

Smpl Date:	05/18/2021	05/20/2020	04/04/2019
Test Date:	05/18/2021	05/22/2020	04/05/2019
Run No:	HM2021052	HM200047	HM190019
Nitrogen:	0.3315	0.3413	0.5038
CO2:	2.0320	1.8989	1.6410
Methane:	82.6030	82.7183	82.5322
Ethane:	9.1337	8.5618	8.8224
Propane:	3.3678	3.2485	3.6273
I-Butane:	0.5711	0.5594	0.5294
N-Butane:	0.9009	0.9265	0.9877
2,2 dmc3:	0.0000	0.0000	0.0144
I-Pentane:	0.3043	0.3436	0.2899
N-Pentane:	0.2560	0.3160	0.2746
Neohexane:	0.0048	0.0383	0.0063
2-3-	0.0099	0.0093	0.0023
Cyclopentane:	0.0103	0.0097	0.0024
2-Methylpentane:	0.0668	0.0625	0.0153
3-Methylpentane:	0.0308	0.0548	0.0422
C6:	0.0781	0.1872	0.1340
Methylcyclopentane:	0.0584	0.1308	0.1143
Benzene:	0.0128	0.0406	0.0201
Cyclohexane:	0.0348	0.0749	0.0563
2-Methylhexane:	0.0115	0.0309	0.0177
3-Methylhexane:	0.0000	0.0000	0.0000
2-2-4-	0.0029	0.0057	0.0065
i-heptanes:	0.0071	0.0109	0.0116
Heptane:	0.0300	0.0507	0.0672
Methylcyclohexane:	0.0578	0.1205	0.1099
Toluene:	0.0218	0.0556	0.0379
2-Methylheptane:	0.0109	0.0186	0.0240
4-Methylheptane:	0.0054	0.0201	0.0130
i-Octanes:	0.0070	0.0262	0.0161
Octane:	0.0121	0.0183	0.0285
Ethylbenzene:	0.0007	0.0000	0.0014
m, p Xylene:	0.0063	0.0315	0.0091
o Xylene (& 2,2,4	0.0006	0.0044	0.0008
i-C9:	0.0010	0.0037	0.0030
C9:	0.0019	0.0104	0.0030
i-C10:	0.0006	0.0014	0.0011
C10:	0.0002	0.0006	0.0016
i-C11:	0.0000	0.0000	0.0000
C11:	0.0001	0.0000	0.0000
C12P:	0.0000	0.0000	0.0000
BTU:	1182.2	1204.2	1199.4
GPM:	18.7110	18.8290	18.7800
SPG:	0.6990	0.7118	0.7058

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

Other _____ Date _____

Sampled By: (Co.) Harvet midstrom Time _____ ☐ AM ☐ PMSampled by: (Person) TC Whitton Well Flowing: ☒ Yes ☐ NoCompany: Harvet midstrom Heat Trace: ☐ Yes ☒ NoWell Name: pipken Flow Pressure (PSIG): 10Lease#: _____ Flow Temp (°F): 70County: _____ Formation: _____ Ambient Temp (°F): 65State: _____ Location: _____ Flow Rate (MCF/D): 800Source: ☐ Meter Run ☐ Tubing ☐ Casing ☐ Bradenhead ☒ Other Surf RunSample Type: ☒ Spot ☐ Composite Sample Method: ☐ Purge & Fill ☐ Other _____Meter Number: _____ Cylinder Number: 09

Contact: _____

Remarks: 33700 - 10185 Hm 2021052

Line Leak Calc

Orifice Diameter	0.307 inches
Pressure	103 psig
Time/date Discovered	9/18/2022 10:04
Time/date Isolated	9/19/2022 12:45
Total Hours Blown	26.68 hours
Area of Orifice	0.074 sq. inches

Lost Gas From Line Leak 258.811 Mcf

Blowdown Calc

Length	1,058 feet
Actual Pipe OD	4.500 inches
Wall Thickness	0.156 inches
Pressure	103 psig

Lost Gas From Blowdown 0.711 Mcf

Total Gas Loss	259.52 Mcf
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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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District IV
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Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

DEFINITIONS

Action 145368

DEFINITIONS

Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID: 373888
	Action Number: 145368
	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">• 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 145368

QUESTIONS

Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID: 373888
	Action Number: 145368
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Prerequisites	
<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	[fAPP2123053718] HARVEST FOUR CORNERS - KUTZ SYSTEM

Determination of Reporting Requirements	
<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	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.
<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 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

Equipment Involved	
Primary Equipment Involved	Pipeline (Any)
Additional details for Equipment Involved. Please specify	pipeline leak

Representative Compositional Analysis of Vented or Flared Natural Gas	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
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	2
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 145368

QUESTIONS (continued)

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	Action Number: 145368
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	09/18/2022
Time vent or flare was discovered or commenced	10:04 AM
Time vent or flare was terminated	12:45 PM
Cumulative hours during this event	27

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Normal Operations Pipeline (Any) Natural Gas Vented Released: 259 Mcf (Unknown Released Amount) Recovered: 0 Mcf Lost: 259 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.	False
Please explain reason for why this event was beyond this operator's control	pipeline leak due to corrosion, discovered during flyover.
Steps taken to limit the duration and magnitude of vent or flare	Operations verified the leak via a pressure test and immediately isolated the line and locked and tagged out the line.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	pipeline leak due to corrosion.

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ACKNOWLEDGMENTS

Action 145368

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	Action Number: 145368
	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 complete 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 145368

CONDITIONS

Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID: 373888
	Action Number: 145368
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
mosmith	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.	10/5/2022