



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

Analysis No: HM20230053
Cust No: 33700-10820

Well/Lease Information

Customer Name:	HARVEST MIDSTREAM	Source:	Inlet Piping
Well Name:	Y Station Inlet - Kutz Plant	Well Flowing:	Y
County/State:	San Juan NM	Pressure:	75 PSIG
Location:		Flow Temp:	61 DEG. F
Lease/PA/CA:		Ambient Temp:	61 DEG. F
Formation:		Flow Rate:	29,849 MCF/D
Cust. Stn. No.:		Sample Method:	Purge & Fill
		Sample Date:	05/17/2023
		Sample Time:	9.13 AM
		Sampled By:	Dennis Ferrari
		Sampled by (CO):	Harvest
Heat Trace:	N		
Remarks:	Calculated Molecular Weight: 20.1302		

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.2631	0.2651	0.0290	0.00	0.0025
CO2	1.5182	1.5299	0.2600	0.00	0.0231
Methane	83.5319	84.1752	14.2030	843.67	0.4627
Ethane	8.5871	8.6532	2.3030	151.97	0.0892
Propane	3.4002	3.4264	0.9400	85.55	0.0518
Iso-Butane	0.5683	0.5727	0.1870	18.48	0.0114
N-Butane	0.8687	0.8754	0.2750	28.34	0.0174
Neopentane 2,2 dmc3	0.0572	0.0576	0.0220	2.28	0.0014
I-Pentane	0.3050	0.3073	0.1120	12.20	0.0076
N-Pentane	0.2446	0.2465	0.0890	9.81	0.0061
Neohexane	0.0087	N/R	0.0040	0.41	0.0003
2-3-Dimethylbutane	0.0123	N/R	0.0050	0.58	0.0004
Cyclopentane	0.0128	N/R	0.0040	0.48	0.0003
2-Methylpentane	0.0826	N/R	0.0340	3.92	0.0025
3-Methylpentane	0.0314	N/R	0.0130	1.49	0.0009
C6	0.1088	0.6608	0.0450	5.17	0.0032
Methylcyclopentane	0.0799	N/R	0.0280	3.60	0.0023
Benzene	0.0097	N/R	0.0030	0.36	0.0003
Cyclohexane	0.0383	N/R	0.0130	1.72	0.0011
2-Methylhexane	0.0128	N/R	0.0060	0.70	0.0004
3-Methylhexane	0.0184	N/R	0.0080	1.00	0.0006
2-2-4-Trimethylpentane	0.0045	N/R	0.0020	0.28	0.0002
i-heptanes	0.0092	N/R	0.0040	0.49	0.0003
Heptane	0.0445	N/R	0.0210	2.45	0.0015

Methylcyclohexane	0.0809	N/R	0.0330	4.22	0.0027
Toluene	0.0240	N/R	0.0080	1.07	0.0008
2-Methylheptane	0.0161	N/R	0.0080	1.00	0.0006
4-Methylheptane	0.0078	N/R	0.0040	0.48	0.0003
i-Octanes	0.0126	N/R	0.0060	0.76	0.0005
Octane	0.0196	N/R	0.0100	1.22	0.0008
Ethylbenzene	0.0008	N/R	0.0000	0.04	0.0000
m, p Xylene	0.0107	N/R	0.0040	0.55	0.0004
o Xylene (& 2,2,4 tmc7)	0.0009	N/R	0.0000	0.05	0.0000
i-C9	0.0025	N/R	0.0010	0.17	0.0001
C9	0.0043	N/R	0.0020	0.30	0.0002
i-C10	0.0011	N/R	0.0010	0.08	0.0001
C10	0.0000	N/R	0.0000	0.00	0.0000
i-C11	0.0000	N/R	0.0000	0.00	0.0000
C11	0.0003	N/R	0.0000	0.03	0.0000
C12P	0.0001	N/R	0.0000	0.01	0.0000
Total	100.00	100.770	18.687	1184.93	0.6941

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0032	CYLINDER #:	19
BTU/CU.FT IDEAL:	1187.7	CYLINDER PRESSURE:	81 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1191.5	ANALYSIS DATE:	05/18/2023
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1170.8	ANALYSIS TIME:	12:22:45 PM
DRY BTU @ 15.025:	1215.4	ANALYSIS RUN BY:	ELAINE MORRISON
REAL SPECIFIC GRAVITY:	0.696		

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: 05/18/2023****GC Method: C12+BTEX Gas**



HARVEST MIDSTREAM
WELL ANALYSIS COMPARISON

Lease: Y Station Inlet - Kutz Plant

Inlet Piping

05/18/2023

Stn. No.:

33700-10820

Mtr. No.:

Smpl Date: 05/17/2023
 Test Date: 05/18/2023
 Run No: HM20230053

Nitrogen: 0.2631
 CO2: 1.5182
 Methane: 83.5319
 Ethane: 8.5871
 Propane: 3.4002
 I-Butane: 0.5683
 N-Butane: 0.8687
 2,2 dmc3: 0.0572
 I-Pentane: 0.3050
 N-Pentane: 0.2446
 Neohexane: 0.0087
 2-3-: 0.0123
 Cyclopentane: 0.0128
 2-Methylpentane: 0.0826
 3-Methylpentane: 0.0314
 C6: 0.1088
 Methylcyclopentane: 0.0799
 Benzene: 0.0097
 Cyclohexane: 0.0383
 2-Methylhexane: 0.0128
 3-Methylhexane: 0.0000
 2-2-4-: 0.0045
 i-heptanes: 0.0092
 Heptane: 0.0445
 Methylcyclohexane: 0.0809
 Toluene: 0.0240
 2-Methylheptane: 0.0161
 4-Methylheptane: 0.0078
 i-Octanes: 0.0126
 Octane: 0.0196
 Ethylbenzene: 0.0008
 m, p Xylene: 0.0107
 o Xylene (& 2,2,4: 0.0009
 i-C9: 0.0025
 C9: 0.0043
 i-C10: 0.0011
 C10: 0.0000
 i-C11: 0.0000
 C11: 0.0003
 C12P: 0.0001
 BTU: 1191.5
 GPM: 18.6910
 SPG: 0.6960

C6+ ☐C9+ ☐C12+ BTEX ☐Helium ☐Sulfurs ☐Ext. Liquid ☐Other ExtendedDate 5-17-23Sampled By: (Co.) HarvestTime 09:13☒ AM☐ PMSampled by: (Person) Dennis FerrariWell Flowing: ☒ Yes ☐ NoCompany: HarvestHeat Trace: ☐ Yes ☒ NoWell Name: Y Station InletFlow Pressure (PSIG): 75API #: N/AFlow Temp (°F): 61°Lease#: N/AAmbient Temp (°F): 61°County: Santa JuanState: NMFormation: N/AFlow Rate (MCF/D): 29,849Source: ☐ Meter Run ☐ Tubing ☐ Casing ☐ Bradenhead ☒ OtherInlet PipingSample Type: ☒ Spot ☐ Composite Sample Method: ☒ Purge & Fill ☐ OtherMeter Number: N/ACylinder Number: 019Contact: Monica Smith 505-947-1852Remarks: SSM and Malfunction Gas Analysis25250-10820H/M 20230053

Line Leak Calc

Orifice Diameter	0.123 inches
Pressure	50 psig
Time/date Discovered	3/4/2024 16:31
Time/date Isolated	3/4/2024 17:30
Total Hours Blown	0.98 hours
Area of Orifice	0.012 sq. inches

Lost Gas From Line Leak 0.74 Mcf

Blowdown Calc

Length	2,405 feet
Actual Pipe OD	4.500 inches
Wall Thickness	0.188 inches
Pressure	50 psig

Lost Gas From Blowdown 0.76 Mcf

Total Gas Loss	1.50 Mcf
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Notes:

Lost Gas=(Orifice Diameter)^2*Pressure*Time Blown

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

Chad Snell - (C)

From: OCDOnline@state.nm.us
Sent: Tuesday, March 12, 2024 2:33 PM
To: Chad Snell - (C)
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 322535

CAUTION: External sender. DO NOT open links or attachments from UNKNOWN senders.

To whom it may concern (c/o Chad Snell for Harvest Four Corners, LLC),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2406531926, for the following reasons:

- **Rejecting initial C-141. Gas release only. C-129 needs to be submitted to epermitting instead of C-141.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 322535. Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,
Shelly Wells
Environmental Specialist-A
505-469-7520
Shelly.Wells@emnrd.nm.gov

New Mexico Energy, Minerals and Natural Resources Department
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State of New Mexico
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DEFINITIONS

Action 323642

DEFINITIONS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 323642
	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 323642

QUESTIONS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 323642
	Action Type: [C-129] Venting and/or Flaring (C-129)

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 Well	Unavailable.
Incident Facility	[fAPP2123052765] HARVEST FOUR CORNERS GATHER SYSTEM

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	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	N/A, not enough information to determine severity: • not "at least 50 MCF"; • not "the release of any liquids"; • and less than minor venting and/or flaring of natural gas volumes reported.
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	No
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	Pipeline was located in a dry wash.

Representative Compositional Analysis of Vented or Flared Natural Gas Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	84
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 Sufide (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 323642

QUESTIONS (continued)

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 323642
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	03/04/2024
Time vent or flare was discovered or commenced	04:31 PM
Time vent or flare was terminated	05:30 PM
Cumulative hours during this event	1

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Corrosion Pipeline (Any) Natural Gas Vented Released: 2 Mcf Recovered: 0 Mcf Lost: 2 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	Corrosion on pipeline caused the release of gas.
Steps taken to limit the duration and magnitude of vent or flare	Operators responded quickly and isolated the line to stop venting.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Repairs have been made to the pipeline

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ACKNOWLEDGMENTS

Action 323642

ACKNOWLEDGMENTS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 323642
	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 323642

CONDITIONS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 323642
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
chadsnell	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.	3/15/2024