



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

Analysis No: HM20230254
Cust No: 33700-10430

Well/Lease Information

Customer Name:	HARVEST MIDSTREAM	Source:	N/A
Well Name:	31-6 CDP	Well Flowing:	Y
County/State:	Rio Arriba NM	Pressure:	351 PSIG
Location:		Flow Temp:	71 DEG. F
Lease/PA/CA:		Ambient Temp:	78 DEG. F
Formation:		Flow Rate:	22 MCF/D
Cust. Stn. No.:	62205	Sample Method:	Purge & Fill
		Sample Date:	10/20/2023
		Sample Time:	1.00 PM
		Sampled By:	Andy Price
		Sampled by (CO):	Harvest Mid
Heat Trace:	N		
Remarks:	Calculated Molecular Weight - 16.7059		

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.0754	0.0762	0.0080	0.00	0.0007
CO2	2.1802	2.2037	0.3730	0.00	0.0331
Methane	97.4382	98.4895	16.5490	984.13	0.5397
Ethane	0.2979	0.3011	0.0800	5.27	0.0031
Propane	0.0083	0.0084	0.0020	0.21	0.0001
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	0.0000	0.0000	0.0000	0.00	0.0000
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	101.079	17.012	989.61	0.5768

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0021	CYLINDER #:	18
BTU/CU.FT IDEAL:	991.9	CYLINDER PRESSURE:	21 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	994.0	ANALYSIS DATE:	10/23/2023
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	976.7	ANALYSIS TIME:	11:28:09 AM
DRY BTU @ 15.025:	1013.9	ANALYSIS RUN BY:	ELAINE MORRISON
REAL SPECIFIC GRAVITY:	0.5778		

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: 10/23/2023

GC Method: C12+BTEX Gas



HARVEST MIDSTREAM
WELL ANALYSIS COMPARISON

Lease: 31-6 CDP

N/A

10/23/2023

Stn. No.: 62205

33700-10430

Mtr. No.:

Smpl Date:	10/20/2023	11/30/2022	10/06/2021	10/02/2020	02/06/2020
Test Date:	10/23/2023	12/08/2022	10/07/2021	10/06/2020	02/12/2020
Run No:	HM20230254	HM20220115	HM2021085	HM200089	HM200010
Nitrogen:	0.0754	0.0204	0.0680	0.0403	0.1060
CO2:	2.1802	18.2213	18.3564	17.2942	4.6174
Methane:	97.4382	81.1912	81.0431	82.1076	93.6294
Ethane:	0.2979	0.4912	0.4578	0.4827	1.2577
Propane:	0.0083	0.0661	0.0670	0.0659	0.2628
I-Butane:	0.0000	0.0030	0.0021	0.0039	0.0524
N-Butane:	0.0000	0.0067	0.0057	0.0035	0.0427
2,2 dmc3:	0.0000	0.0000	0.0000	0.0000	0.0000
I-Pentane:	0.0000	0.0000	0.0000	0.0000	0.0095
N-Pentane:	0.0000	0.0000	0.0000	0.0000	0.0054
Neohexane:	0.0000	0.0000	0.0000	0.0000	0.0004
2-3-	0.0000	0.0000	0.0000	0.0000	0.0003
Cyclopentane:	0.0000	0.0000	0.0000	0.0000	0.0003
2-Methylpentane:	0.0000	0.0000	0.0000	0.0002	0.0020
3-Methylpentane:	0.0000	0.0000	0.0000	0.0001	0.0008
C6:	0.0000	0.0000	0.0000	0.0001	0.0021
Methylcyclopentane:	0.0000	0.0000	0.0000	0.0001	0.0015
Benzene:	0.0000	0.0000	0.0000	0.0000	0.0006
Cyclohexane:	0.0000	0.0000	0.0000	0.0000	0.0010
2-Methylhexane:	0.0000	0.0000	0.0000	0.0000	0.0003
3-Methylhexane:	0.0000	0.0000	0.0000	0.0000	0.0000
2-2-4-	0.0000	0.0000	0.0000	0.0000	0.0001
i-heptanes:	0.0000	0.0000	0.0000	0.0000	0.0003
Heptane:	0.0000	0.0000	0.0000	0.0002	0.0010
Methylcyclohexane:	0.0000	0.0000	0.0000	0.0002	0.0024
Toluene:	0.0000	0.0000	0.0000	0.0002	0.0012
2-Methylheptane:	0.0000	0.0000	0.0000	0.0000	0.0004
4-Methylheptane:	0.0000	0.0000	0.0000	0.0000	0.0002
i-Octanes:	0.0000	0.0000	0.0000	0.0000	0.0002
Octane:	0.0000	0.0000	0.0000	0.0001	0.0006
Ethylbenzene:	0.0000	0.0000	0.0000	0.0000	0.0000
m, p Xylene:	0.0000	0.0000	0.0000	0.0002	0.0005
o Xylene (& 2,2,4	0.0000	0.0000	0.0000	0.0001	0.0001
i-C9:	0.0000	0.0000	0.0000	0.0004	0.0001
C9:	0.0000	0.0000	0.0000	0.0000	0.0002
i-C10:	0.0000	0.0000	0.0000	0.0001	0.0000
C10:	0.0000	0.0000	0.0000	0.0000	0.0000
i-C11:	0.0000	0.0000	0.0000	0.0000	0.0000
C11:	0.0000	0.0000	0.0000	0.0000	0.0000
C12P:	0.0000	0.0000	0.0000	0.0000	0.0000
BTU:	994.0	834.7	832.6	843.9	983.5
GPM:	17.0120	17.0670	17.0610	17.0630	17.1580
SPG:	0.5778	0.7346	0.7360	0.7257	0.6108

Same Day Rush 10/23/23

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

21#



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

Other Extended Gas

Date 10-20-23

Sampled By: (Co.) Harvest Midstream

Time 13:00 ☐ AM ☐ PM

Sampled by: (Person) Andy Price

Well Flowing: ☒ Yes ☐ No

Company: _____

Heat Trace: ☐ Yes ☒ No

Well Name: 31-6 CDP

Flow Pressure (PSIG): 351

API #: _____

Flow Temp (°F): 71

Lease#: _____

Ambient Temp (°F): 78

County: _____ State: _____

Formation: _____

Flow Rate (MCF/D): 22 mmcf/d

Source: ☐ Meter Run ☐ Tubing ☐ Casing ☐ Bradenhead ☐ Other _____

Sample Type: ☐ Spot ☐ Composite Sample Method: ☒ Purge & Fill ☐ Other _____

Meter Number: _____

Cylinder Number: 18

Contact: Andy Price (970) 759-0461

Remarks: Sample from new Logos gas

33700 - 10430 HM 20230254

Line Leak Calc

Orifice Diameter	0.472 inches
Pressure	480 psig
Time/date Discovered	11/14/2023 4:45
Time/date Isolated	11/14/2023 7:15
Total Hours Blown	2.50 hours
Area of Orifice	0.175 sq. inches

Lost Gas From Line Leak 267.341 Mcf

Blowdown Calc

Length		feet
Actual Pipe OD		inches
Wall Thickness		inches
Pressure	480	psig

Lost Gas From Blowdown 0.000 Mcf

Total Gas Loss	267.34 Mcf
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Phone:(575) 748-1283 Fax:(575) 748-9720
District III
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District IV
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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 285730

DEFINITIONS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 285730
	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 285730

QUESTIONS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 285730
	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	Unavailable.
Incident Facility	[fCS1608448772] 31-6 COMPRESSOR STATION

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	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 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	Valve
Additional details for Equipment Involved. Please specify	PSV on Dehy

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	97
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 285730

QUESTIONS (continued)

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 285730
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	11/14/2023
Time vent or flare was discovered or commenced	04:45 AM
Time vent or flare was terminated	07:15 AM
Cumulative hours during this event	3

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Other Valve Natural Gas Vented Released: 267 Mcf Recovered: 0 Mcf Lost: 267 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	PRV lifted as designed. Operator has no control over discharge pressure
Steps taken to limit the duration and magnitude of vent or flare	Immediately shut in the dehy and LOTO
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	The PRV will be re-rated at a higher pressure

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ACKNOWLEDGMENTS

Action 285730

ACKNOWLEDGMENTS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 285730
	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 285730

CONDITIONS

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	Action Number: 285730
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
jdeal	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.	11/16/2023