

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

Analysis No: HM20220058 Cust No: 33700-10405

## Well/Lease Information

Customer Name: HARVEST MIDSTREAM

Well Name: Aztec CDP

County/State: Location: Lease/PA/CA: Formation: Cust. Stn. No.: Source:

Well Flowing:

Pressure: 901 PSIG Flow Temp: 91 DEG. F Ambient Temp: 70 DEG. F Flow Rate: MCF/D Sample Method: Purge & Fill Sample Date: 05/25/2022 Sample Time: 11.45 AM Sampled By: Bill Luce

Sampled by (CO): Harvest

Υ

Heat Trace: N

Remarks: Calculated Molecular Weight: 22.4855

**Analysis** 

Component:	Mole%:	Unormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.2010	0.1982	0.0220	0.00	0.0019
CO2	21.7583	21.4526	3.7220	0.00	0.3306
Methane	76.2374	75.1661	12.9560	770.00	0.4223
Ethane	1.3377	1.3189	0.3590	23.67	0.0139
Propane	0.3674	0.3622	0.1010	9.24	0.0056
Iso-Butane	0.0497	0.0490	0.0160	1.62	0.0010
N-Butane	0.0389	0.0384	0.0120	1.27	0.0008
Neopentane 2,2 dmc3	0.0000	0.0000	0.0000	0.00	0.0000
I-Pentane	0.0064	0.0063	0.0020	0.26	0.0002
N-Pentane	0.0031	0.0031	0.0010	0.13	0.0001
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		0.00	0.0000
•			0.0000	0.00	0.0000

Received by OCD: 3/14/2023 12. Methylcyclohexane	:15:32 PM 0.0000	N/R	0.0000	0.00	Page 2 of 10 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	98.595	17.191	806.18	0.7763

<sup>\* @ 14.730</sup> PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

<sup>\*\*@ 14.730</sup> PSIA & 60 DEG. F.

COMPRESSIBLITY FACTOR	(1/Z):	1.0027	CYLINDER #:	108
BTU/CU.FT IDEAL:		808.0	CYLINDER PRESSURE:	915 PSIG
BTU/CU.FT (DRY) CORRECTED F	OR (1/Z):	810.2	ANALYSIS DATE:	06/02/2022
BTU/CU.FT (WET) CORRECTED F	FOR (1/Z):	796.1	ANALYIS TIME:	03:22:21 AM
DRY BTU @ 15.025:		826.4	ANALYSIS RUN BY:	<b>ELAINE MORRISON</b>
REAL SPECIFIC GRAVITY:		0.7781		

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: 06/03/2022

GC Method: C12+BTEX Gas



# HARVEST MIDSTREAM WELL ANALYSIS COMPARISON

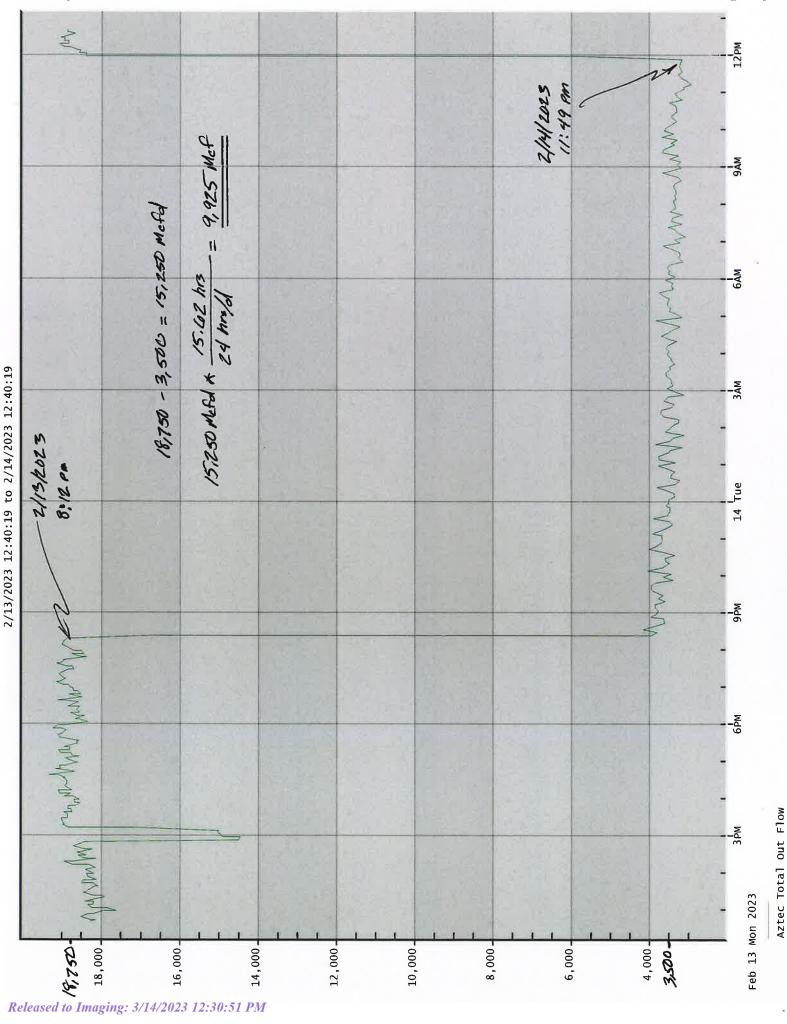
Lease: Aztec CDP

ec CDP 06/03/2022 33700-10405

Stn. No.:

Smpl Date:	05/25/2022	05/18/2021	05/14/2020	11/20/2019
Test Date:	06/02/2022	05/19/2021	05/19/2020	11/25/2019
Run No:	HM20220058	HM2021053	HM200044	HM190081
Nitrogen:	0.2010	0.0713	0.0479	0.1466
CO2:	21.7583	21.6966	20.2913	20.7337
Methane:	76.2374	76.6490	77.4266	76.9097
Ethane:	1.3377	1.1914	1.5727	1.5378
Propane:	0.3674	0.3033	0.4668	0.4907
I-Butane:	0.0497	0.0394	0.0606	0.0629
N-Butane:	0.0389	0.0384	0.0945	0.0692
	0.0000	0.0000	0.0000	0.0000
2,2 dmc3:	0.0064	0.0073	0.0171	0.0185
I-Pentane:	0.0031	0.0032	0.0130	0.0146
N-Pentane: Neohexane:	0.0000	0.0000	0.0000	0.0000
2-3-	0.0000	0.0000	0.0000	0.0002
Cyclopentane:	0.0000	0.0000	0.0001	0.0002
2-Methylpentane:	0.0000	0.0000	0.0003	0.0015
3-Methylpentane:	0.0000	0.0000	0.0007	0.0004
C6:	0.0000	0.0000	0.0020	0.0004
Methylcyclopentane:	0.0000	0.0000	0.0014	0.0016
Benzene:	0.0000	0.0000	0.0003	0.0006
Cyclohexane:	0.0000	0.0000	0.0007	0.0010
2-Methylhexane:	0.0000	0.0000	0.0002	0.0001
3-Methylhexane:	0.0000	0.0000	0.0000	0.0000
2-2-4-	0.0000	0.0000	0.0001	0.0000
i-heptanes:	0.0000	0.0000	0.0001	0.0001
Heptane:	0.0000	0.0000	0.0007	0.0022
Methylcyclohexane:	0.0000	0.0000	0.0013	0.0018
Toluene:	0.0000	0.0000	0.0004	0.0012
2-Methylheptane:	0.0000	0.0000	0.0003	0.0002
4-Methylheptane:	0.0000	0.0000	0.0001	0.0001
i-Octanes:	0.0000	0.0000	0.0001	0.0003
Octane:	0.0000	0.0000	0.0001	0.0003
Ethylbenzene:	0.0000	0.0000	0.0003	0.0004
m, p Xylene:		0.0000	0.0000	
o Xylene (& 2,2,4	0.0000			0.0000
i-C9:	0.0000	0.0000	0.0000	0.0001
C9:	0.0000	0.0000	0.0000	0.0005
i-C10:	0.0000	0.0000	0.0001	0.0002
C10:	0.0000	0.0000	0.0000	0.0001
i-C11:	0.0000	0.0000	0.0001	0.0000
C11:	0.0000	0.0000	0.0000	0.0000
C12P:	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000
BTU:	810.2	809.9	832.5	826.9
GPM: SPG:	17.1910	17.1780	17.2500	17.2430
Ji G.	0.7781	0.7755	0.7670	0.7717

/14/2023 12:15:32 PM 2030 Afton Place, Farmington, NM 87401 - (52	05) 325-6622
C6+ □ C9+ □ C12+	
NALYSIS N2 Flowback  Sulfu	rs 🗆 Ext. Liquid 🗆
SERVICE Other_	Date <u>5-25-22</u>
Sampled By: (co.) Harvest Midstream	Time /1:4/5 DPM
Sampled by:(Person) Bill Luce	_Well Flowing: 💆 Yes 🗆 No
Company:	Heat Trace: Yes 🖔 No
Well Name: Aztec CDP	_ Flow Pressure (PSIG): 901
Lease#:	_ Flow Temp (°F):
County: Sin Juan Formation:	
State: N M Location: Aztec CDP	_ Flow Rate (MCF/D):
Source: Meter Run Tubing Casing Bradenhead 💆 Other	
Sample Type: Spot Composite Sample Method: Purge & Fill	
Meter Number:	_ Cylinder Number:
Contact:	
Pamarks: 37700-10405 HM	N2002 20058



District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 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 196890

#### **DEFINITIONS**

Operator:	OGRID:
Harvest Four Corners, LLC	373888
1755 Arroyo Dr	Action Number:
Bloomfield, NM 87413	196890
	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.

Action 196890

QUESTIONS

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

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District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 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

Q	UESTIONS	
Operator:		OGRID:
Harvest Four Corners, LLC 1755 Arroyo Dr		373888 Action Number:
Bloomfield, NM 87413		196890
		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 conti	inuing with the rest of the questions.
Incident Operator	[373888] Harvest F	our Corners, LLC
Incident Type	Flare	
Incident Status	Closure Not Approv	ved
Incident Well	Unavailable.	
Incident Facility	[fAPP2123055009] H	HARVEST FOUR CORNERS - MILAGRO SYSTEM
Only valid Vent, Flare or Vent with Flaring incidents (selected above in the Application Details section	on) that are assigned to y	our 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 at	nd may provide addional o	quidance
Was this vent or flare caused by an emergency or malfunction	Yes	guidino.
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 v	renting and/or flaring that i	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 withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No	
Equipment Involved		
Primary Equipment Involved	Other (Specify)	
Additional details for Equipment Involved. Please specify	result of the pressu	et vessel on dehydrated failed prematurely. The premature failure was a tre set point. The rupture disc was specked for 1100 pounds. The rupture er pressure set point on 938 pounds.
Representative Compositional Analysis of Vented or Flared Natural Gas		
Please provide the mole percent for the percentage questions in this group.	1	
Methane (CH4) percentage	76	
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	22	
Oxygen (02) percentage, if greater than one percent	0	
I		

Not answered.

Not answered.

Not answered.

Not answered.

Not answered.

Methane (CH4) percentage quality requirement

Nitrogen (N2) percentage quality requirement

Oxygen (02) percentage quality requirement

Hydrogen Sufide (H2S) PPM quality requirement

Carbon Dioxide (C02) percentage quality requirement

QUESTIONS, Page 2

Action 196890

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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**

QUESTI	ONS (continued)
Operator:	OGRID:
Harvest Four Corners, LLC 1755 Arroyo Dr	373888 Action Number:
Bloomfield, NM 87413	196890
	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	02/14/2023
Time vent or flare was discovered or commenced	11:15 AM
Time vent or flare was terminated	11:49 PM
Cumulative hours during this event	16
Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Other   Other (Specify)   Natural Gas Vented   Released: 9,925 Mcf   Recovered: 0 Mcf   Lost: 9,925 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	
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	Rupture disc on inlet vessel on dehydrated failed prematurely. The premature failure was a result of the pressure set point. The rupture disc was specked for 1100 pounds. The rupture disc failed at 938 lbs.
Steps taken to limit the duration and magnitude of vent or flare	unit was shut down immediately upon discovery.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Rupture disc on inlet vessel on dehydrated failed prematurely. The premature failure was a result of the pressure set point. The rupture disc was specked for 1100 pounds. The rupture disc failed at 938 pounds, this event was beyond the control of the operator, due to a bad

rupture disc.

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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**

ACKNOWLEDGMENTS

Action 196890

## **ACKNOWLEDGMENTS**

Operator:	OGRID:
Harvest Four Corners, LLC	373888
1755 Arroyo Dr	Action Number:
Bloomfield, NM 87413	196890
	Action Type:
	[C-129] Amend Venting and/or Flaring (C-129A)

### **ACKNOWLEDGMENTS**

V	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.
V	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.
✓	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.
✓	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.
V	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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**State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. **Santa Fe, NM 87505** 

CONDITIONS

Action 196890

## **CONDITIONS**

Operator:	OGRID:
Harvest Four Corners, LLC	373888
1755 Arroyo Dr	Action Number:
Bloomfield, NM 87413	196890
	Action Type:
	[C-129] Amend Venting and/or Flaring (C-129A)

### CONDITIONS

Created By	Condition	Condition Date
mosmith	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.	3/14/2023