



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

Analysis No: HM20230049  
Cust No: 33700-10805

### Well/Lease Information

Customer Name:	HARVEST MIDSTREAM	Source:	Piperack
Well Name:	Gobernador Station; Piperack	Well Flowing:	Y
County/State:		Pressure:	170 PSIG
Location:		Flow Temp:	51 DEG. F
Lease/PA/CA:		Ambient Temp:	66 DEG. F
Formation:		Flow Rate:	60 MCF/D
Cust. Stn. No.:		Sample Method:	Purge & Fill
		Sample Date:	05/03/2023
		Sample Time:	7.00 PM
		Sampled By:	Andy Price
		Sampled by (CO):	Harvest
Heat Trace:			
Remarks:	Calculated Molecular Weight = 19.9251		

### Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.5255	0.5226	0.0580	0.00	0.0051
CO2	1.2495	1.2427	0.2140	0.00	0.0190
Methane	83.8848	83.4262	14.2610	847.24	0.4646
Ethane	8.1398	8.0953	2.1830	144.05	0.0845
Propane	3.6046	3.5849	0.9960	90.70	0.0549
Iso-Butane	0.7030	0.6992	0.2310	22.86	0.0141
N-Butane	0.9582	0.9530	0.3030	31.26	0.0192
Neopentane 2,2 dmc3	0.0000	0.0000	0.0000	0.00	0.0000
I-Pentane	0.3235	0.3217	0.1190	12.94	0.0081
N-Pentane	0.2196	0.2184	0.0800	8.80	0.0055
Neohexane	0.0103	N/R	0.0040	0.49	0.0003
2-3-Dimethylbutane	0.0104	N/R	0.0040	0.49	0.0003
Cyclopentane	0.0108	N/R	0.0030	0.41	0.0003
2-Methylpentane	0.0700	N/R	0.0290	3.32	0.0021
3-Methylpentane	0.0273	N/R	0.0110	1.30	0.0008
C6	0.0759	0.3893	0.0310	3.61	0.0023
Methylcyclopentane	0.0513	N/R	0.0180	2.31	0.0015
Benzene	0.0082	N/R	0.0020	0.31	0.0002
Cyclohexane	0.0244	N/R	0.0080	1.09	0.0007
2-Methylhexane	0.0078	N/R	0.0040	0.43	0.0003
3-Methylhexane	0.0083	N/R	0.0040	0.45	0.0003
2-2-4-Trimethylpentane	0.0018	N/R	0.0010	0.11	0.0001
i-heptanes	0.0054	N/R	0.0020	0.29	0.0002
Heptane	0.0195	N/R	0.0090	1.07	0.0007

Methylcyclohexane	0.0368	N/R	0.0150	1.92	0.0012
Toluene	0.0101	N/R	0.0030	0.45	0.0003
2-Methylheptane	0.0037	N/R	0.0020	0.23	0.0001
4-Methylheptane	0.0018	N/R	0.0010	0.11	0.0001
i-Octanes	0.0010	N/R	0.0000	0.06	0.0000
Octane	0.0032	N/R	0.0020	0.20	0.0001
Ethylbenzene	0.0002	N/R	0.0000	0.01	0.0000
m, p Xylene	0.0012	N/R	0.0000	0.06	0.0000
o Xylene (& 2,2,4 tmc7)	0.0003	N/R	0.0000	0.02	0.0000
i-C9	0.0005	N/R	0.0000	0.03	0.0000
C9	0.0003	N/R	0.0000	0.02	0.0000
i-C10	0.0005	N/R	0.0000	0.03	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	0.0000	N/R	0.0000	0.00	0.0000
C12P	0.0000	N/R	0.0000	0.00	0.0000
Total	100.00	99.453	18.598	1176.69	0.6870

\* @ 14.730 PSIA DRY &amp; UNCORRECTED FOR COMPRESSIBILITY

\*\*@ 14.730 PSIA &amp; 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0031  
 BTU/CU.FT IDEAL: 1179.4  
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1183.1  
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1162.5  
 DRY BTU @ 15.025: 1206.8  
 REAL SPECIFIC GRAVITY: 0.6889

CYLINDER #: 6  
 CYLINDER PRESSURE: 182 PSIG  
 ANALYSIS DATE: 05/09/2023  
 ANALYSIS TIME: 09:18:31 AM  
 ANALYSIS RUN BY: PATRICIA KING

**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: 05/09/2023****GC Method: C12+BTEX Gas**



HARVEST MIDSTREAM  
WELL ANALYSIS COMPARISON

**Lease:** Gobernador Station; Piperack      Piperack      05/09/2023  
**Stn. No.:**                33700-10805  
**Mtr. No.:**

Smpl Date: 05/03/2023  
 Test Date: 05/09/2023  
 Run No: HM20230049

Nitrogen: 0.5255  
 CO2: 1.2495  
 Methane: 83.8848  
 Ethane: 8.1398  
 Propane: 3.6046  
 I-Butane: 0.7030  
 N-Butane: 0.9582  
 2,2 dmc3: 0.0000  
 I-Pentane: 0.3235  
 N-Pentane: 0.2196  
 Neohexane: 0.0103  
 2-3-: 0.0104  
 Cyclopentane: 0.0108  
 2-Methylpentane: 0.0700  
 3-Methylpentane: 0.0273  
 C6: 0.0759  
 Methylcyclopentane: 0.0513  
 Benzene: 0.0082  
 Cyclohexane: 0.0244  
 2-Methylhexane: 0.0078  
 3-Methylhexane: 0.0000  
 2-2-4-: 0.0018  
 i-heptanes: 0.0054  
 Heptane: 0.0195  
 Methylcyclohexane: 0.0368  
 Toluene: 0.0101  
 2-Methylheptane: 0.0037  
 4-Methylheptane: 0.0018  
 i-Octanes: 0.0010  
 Octane: 0.0032  
 Ethylbenzene: 0.0002  
 m, p Xylene: 0.0012  
 o Xylene (& 2,2,4: 0.0003  
 i-C9: 0.0005  
 C9: 0.0003  
 i-C10: 0.0005  
 C10: 0.0002  
 i-C11: 0.0000  
 C11: 0.0000  
 C12P: 0.0000  
 BTU: 1183.1  
 GPM: 18.6200  
 SPG: 0.6889



\*\*10 PSIG Precharge\*\*

C6+ ☐ C9+ ☐ C12+ ☐ C12+ BTEX ☐ Helium ☐

Other \_\_\_\_\_

Date 5-3-23

Sampled By: (Co.) Harvest

Time 1900

☐ AM☒ PM

Sampled by: (Person) Andy Price

Well Flowing: ☒ Yes ☐ No

Company: \_\_\_\_\_

Heat Trace: ☐ Yes ☐ No

Well Name: \_\_\_\_\_

Flow Pressure (PSIG): 170

Location: Gobernador Station

Flow Temp (°F): 51

County/State: \_\_\_\_\_

Ambient Temp (°F): 66

Formation: \_\_\_\_\_

Flow Rate (MCF/D): 60 MM

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

Piperack

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

Meter Number: \_\_\_\_\_

Cylinder Number: 6

Contact: \_\_\_\_\_

Remarks: \_\_\_\_\_

33700-10805

HM 20230049

**Line Leak Calc**

Orifice Diameter	2.000	inches
Pressure	320	psig
Time/date Discovered	1/22/2024 12:30	
Time/date Isolated	1/22/2024 12:35	
Total Hours Blown	0.08	hours
Area of Orifice	3.142	sq. inches

**Lost Gas From Line Leak                      106.667 Mcf**

**Blowdown Calc**

Length		feet
Actual Pipe OD	6.625	inches
Wall Thickness	0.188	inches
Pressure	320	psig

**Lost Gas From Blowdown                      0.000 Mcf**

<b>Total Gas Loss</b>	<b>106.67 Mcf</b>
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Lost Gas=(Orifice Diameter)^2\*Pressure\*Time Blown

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

**Line Leak Calc**

Orifice Diameter	0.250 inches
Pressure	35 psig (estimated)
Time/date Discovered	1/22/2024 12:35
Time/date Isolated	1/22/2024 13:05
Total Hours Blown	0.50 hours
Area of Orifice	0.049 sq. inches

**Lost Gas From Line Leak                      1.094 Mcf**

**Blowdown Calc**

Length	feet
Actual Pipe OD	6.625 inches
Wall Thickness	0.188 inches
Pressure	35 psig

**Lost Gas From Blowdown                      0.000 Mcf**

<b>Total Gas Loss</b>	<b>1.09 Mcf</b>
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Valve open (ESD)	106.667 Mcf
Valve leaking (post-ESD)	1.094 Mcf
<b>Total Loss</b>	<b>107.7604 Mcf</b>

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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 427542

DEFINITIONS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 427542
	Action Type: [C-129] Venting and/or Flaring (C-129)

DEFINITIONS

<p>For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application:</p> <ul style="list-style-type: none"><li>• this application's operator, hereinafter "this operator";</li><li>• venting and/or flaring, hereinafter "vent or flare";</li><li>• any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";</li><li>• the statements in (and/or attached to) this, hereinafter "the statements in this";</li><li>• and the past tense will be used in lieu of mixed past/present tense questions and statements.</li></ul>
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QUESTIONS

Action 427542

**QUESTIONS**

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 427542
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

<b>Prerequisites</b> <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	[fCS00000000015] GOBERNADOR CS

<b>Determination of Reporting Requirements</b> <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 <b>at least 50 MCF</b> 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 within 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

<b>Equipment Involved</b>	
Primary Equipment Involved	Gas Compressor Station
Additional details for Equipment Involved. Please specify	Gobernador station ESD due to a freeze in the instrument air system.

<b>Representative Compositional Analysis of Vented or Flared Natural Gas</b> <i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	84
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	1
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 427542

**QUESTIONS (continued)**

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 427542
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	01/22/2025
Time vent or flare was discovered or commenced	12:30 PM
Time vent or flare was terminated	01:05 PM
Cumulative hours during this event	1

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Freeze   Valve   Natural Gas Vented   Released: 108 Mcf   Recovered: 0 Mcf   Lost: 108 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	The dryer shuttle valve on the instrument air system was found not to be working correctly which caused moisture into the air lines which froze due to low temperatures causing the station to esd on low instrument air pressure.
Steps taken to limit the duration and magnitude of vent or flare	ESD valve reset itself after blowdown
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Dryer shuttle valve was replaced



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ACKNOWLEDGMENTS

Action 427542

**ACKNOWLEDGMENTS**

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	Action Number: 427542
	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 <b>complete</b> 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 427542

CONDITIONS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 427542
	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.	2/4/2025