



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

Analysis No: HM2021017  
Cust No: 33700-10445

### Well/Lease Information

Customer Name: HARVEST MIDSTREAM  
Well Name: 30-5 CDP  
County/State: RIO ARRIBA NM  
Location:  
Lease/PA/CA:  
Formation:  
Cust. Stn. No.:

Source: METER RUN  
Well Flowing: Y  
Pressure: 95 PSIG  
Flow Temp: 57 DEG. F  
Ambient Temp: 60 DEG. F  
Flow Rate: MCF/D  
Sample Method: Purge & Fill  
Sample Date: 03/29/2021  
Sample Time: 1.00 PM  
Sampled By: Donny Valencia  
Sampled by (CO): HARVEST

Heat Trace: N

Remarks: Calculated Molecular Weight = 22.0465

### Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.0453	0.0473	0.0050	0.00	0.0004
CO2	21.0733	21.9796	3.6050	0.00	0.3202
Methane	78.2051	81.5686	13.2890	789.87	0.4332
Ethane	0.6147	0.6411	0.1650	10.88	0.0064
Propane	0.0547	0.0571	0.0150	1.38	0.0008
Iso-Butane	0.0027	0.0028	0.0010	0.09	0.0001
N-Butane	0.0042	0.0044	0.0010	0.14	0.0001
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	104.301	17.081	802.35	0.7612

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

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

COMPRESSIBILITY FACTOR (1/Z): 1.0026  
 BTU/CU.FT IDEAL: 804.2  
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 806.3  
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 792.3  
 DRY BTU @ 15.025: 822.4  
 REAL SPECIFIC GRAVITY: 0.7629

CYLINDER #: 12  
 CYLINDER PRESSURE: 87 PSIG  
 ANALYSIS DATE: 03/31/2021  
 ANALYSIS TIME: 10:09:51 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: 03/31/2021**

**GC Method: C12+BTEX Gas**



HARVEST MIDSTREAM  
WELL ANALYSIS COMPARISON

**Lease:** 30-5 CDP

METER RUN

03/31/2021

**Stn. No.:**

33700-10445

**Mtr. No.:**

Smpl Date:	03/29/2021	12/31/2020	03/31/2020
Test Date:	03/31/2021	01/05/2021	04/01/2020
Run No:	HM2021017	HM210002	HM200016
Nitrogen:	0.0453	0.1404	0.0370
CO2:	21.0733	5.1083	20.5547
Methane:	78.2051	91.7603	78.7626
Ethane:	0.6147	2.1298	0.5922
Propane:	0.0547	0.5439	0.0535
I-Butane:	0.0027	0.1039	0.0000
N-Butane:	0.0042	0.1051	0.0000
2,2 dmc3:	0.0000	0.0000	0.0000
I-Pentane:	0.0000	0.0448	0.0000
N-Pentane:	0.0000	0.0305	0.0000
Neohexane:	0.0000	0.0009	0.0000
2-3-	0.0000	0.0007	0.0000
Cyclopentane:	0.0000	0.0007	0.0000
2-Methylpentane:	0.0000	0.0044	0.0000
3-Methylpentane:	0.0000	0.0016	0.0000
C6:	0.0000	0.0045	0.0000
Methylcyclopentane:	0.0000	0.0033	0.0000
Benzene:	0.0000	0.0009	0.0000
Cyclohexane:	0.0000	0.0022	0.0000
2-Methylhexane:	0.0000	0.0007	0.0000
3-Methylhexane:	0.0000	0.0000	0.0000
2-2-4-	0.0000	0.0002	0.0000
i-heptanes:	0.0000	0.0005	0.0000
Heptane:	0.0000	0.0020	0.0000
Methylcyclohexane:	0.0000	0.0046	0.0000
Toluene:	0.0000	0.0011	0.0000
2-Methylheptane:	0.0000	0.0008	0.0000
4-Methylheptane:	0.0000	0.0004	0.0000
i-Octanes:	0.0000	0.0005	0.0000
Octane:	0.0000	0.0011	0.0000
Ethylbenzene:	0.0000	0.0000	0.0000
m, p Xylene:	0.0000	0.0005	0.0000
o Xylene (& 2,2,4	0.0000	0.0000	0.0000
i-C9:	0.0000	0.0001	0.0000
C9:	0.0000	0.0003	0.0000
i-C10:	0.0000	0.0001	0.0000
C10:	0.0000	0.0000	0.0000
i-C11:	0.0000	0.0000	0.0000
C11:	0.0000	0.0001	0.0000
C12P:	0.0000	0.0000	0.0000
BTU:	806.3	994.2	811.3
GPM:	17.0810	17.3070	17.0780
SPG:	0.7629	0.6259	0.7576

C6+ ☐ C9+ ☐ C12+ BTEX ☐ Helium ☐N2 Flowback ☐ Sulfurs ☐ Ext. Liquid ☐Other Extended gasDate 3/24/2021☐ AMSampled By: (Co.) Harvest MidstreamTime 1300☒ PMSampled by: (Person) Donny ValenciaWell Flowing: ☒ Yes ☐ NoCompany: Harvest MidstreamHeat Trace: ☐ Yes ☒ NoWell Name: 30-5 CDPFlow Pressure (PSIG): 95\*Lease#: UnknownFlow Temp (°F): 57°County: Rio Arriba Formation: CDPAmbient Temp (°F): 60°State: New Mexico Location: 30-5 CDPFlow Rate (MCF/D): UnknownSource: ☒ Meter Run ☐ Tubing ☐ Casing ☐ Bradenhead ☐ OtherSample Type: ☒ Spot ☐ Composite Sample Method: ☒ Purge & Fill ☐ OtherMeter Number: 60015-015Cylinder Number: 12Contact: D. Valencia 505-419-835133700-10445Remarks: Extended gas (Annual)HTM 2021017

**LINE LEAK OR CONTINUOUS PSV RELEASE CALC**

Fill in Yellow Fields

ASSUMES NO PRESSURE LOSS AS RESULT OF LEAK

WELL/LINE NAME	METER NUMBER	ENTERED BY WHOM	DATE	PSI	PORT SIZE IN INCHES	TIME IN MINUTES BLOWN
				88.0	0.13	12960.00

**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

**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**

QUESTIONS

Action 38324

**QUESTIONS**

Operator:	Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID:	373888
		Action Number:	38324
		Action Type:	[C-129] Venting and/or Flaring (C-129)

**QUESTIONS****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 or is this venting or flaring caused by an emergency or malfunction	No
Did or will this venting or flaring last eight hours or more cumulatively within any 24-hour period from a single event	Yes
Is this considered a submission for a notification of a major venting or flaring	Yes, minor venting or flaring of natural gas.
The operator shall file a form C-141 instead of a form C-129 for a release that includes liquid during venting or flaring that is or may be a major or minor release under 19.13.29 NMAC	
Was there or will there be at least 50 MCF of natural gas vented or flared during this event	Yes
Did this venting or flaring 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

**Unregistered Facility Site**

Please provide the facility details, if the venting or flaring occurred or is occurring at a facility that does not have an Facility ID (##) yet.

Facility or Site Name	30-5 Discharge Loop
Facility Type	Pipeline - Gas - (PLG)

**Equipment Involved**

Primary Equipment Involved	Pipeline (Any)
Additional details for Equipment Involved. Please specify	Not answered.

**Representative Compositional Analysis of Vented or Flared Natural Gas**

Please provide the mole percent for the percentage questions in this group.

Methane (CH4) percentage	78
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	21
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 Sulfide (H2S) PPM quality requirement	Not answered.
Carbon Dioxide (CO2) percentage quality requirement	Not answered.
Oxygen (O2) percentage quality requirement	Not answered.

**Date(s) and Time(s)**

Date venting or flaring was discovered or commenced	07/15/2021
Time venting or flaring was discovered or commenced	01:00 PM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	07/15/2021
Time venting or flaring was terminated	01:00 PM
Total duration of venting or flaring in hours, if venting or flaring has terminated	216
Longest duration of cumulative hours within any 24-hour period during this event	24

**Measured or Estimated Volume of Vented or Flared Natural Gas**

Natural Gas Vented (Mcf) Details	Cause: Repair and Maintenance   Fitting   Natural Gas Vented   Spilled: 336 Mcf   Recovered: 0 Mcf   Lost: 336 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 Mcf values reported)	Yes, according to supplied volumes this appears to be a "gas only" report.

**Venting or Flaring Resulting from Downstream Activity**

Was or is this venting or flaring a result of downstream activity	No
Date notified of downstream activity requiring this venting or flaring	Not answered.
Time notified of downstream activity requiring this venting or flaring	Not answered.

**Steps and Actions to Prevent Waste**

For this event, the operator could not have reasonably anticipated the current event and it was beyond the operator's control.	True
Please explain reason for why this event was beyond your operator's control	Tubing fitting was loose
Steps taken to limit the duration and magnitude of venting or flaring	Fitting was tightened upon discovery
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	Fitting was tightened

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CONDITIONS  
  
Action 38324

CONDITIONS

Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID: 373888
	Action Number: 38324
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
system	If the information provided in this report requires an amendment, submit a [C-129] Request to Amend Venting and/or Flaring Incident, utilizing your incident number from this event.	7/27/2021