



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

Analysis No: HM200073  
Cust No: 33700-10530

### Well/Lease Information

Customer Name: HARVEST MIDSTREAM  
Well Name: KUTZ 1 INLET  
County/State:  
Location:  
Lease/PA/CA:  
Formation:  
Cust. Stn. No.:

Source:  
Well Flowing:  
Pressure: 568 PSIG  
Flow Temp: 75 DEG. F  
Ambient Temp: DEG. F  
Flow Rate: MCF/D  
Sample Method:  
Sample Date: 08/12/2020  
Sample Time: 8.30 AM  
Sampled By: DANIEL MONCLOVA  
Sampled by (CO): HARVEST MID

Heat Trace:

Remarks: Calculated Molecular Weight = 19.5732

### Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3113	0.3139	0.0340	0.00	0.0030
CO2	1.8251	1.8402	0.3120	0.00	0.0277
Methane	85.5219	86.2300	14.5380	863.77	0.4737
Ethane	7.2812	7.3415	1.9530	128.86	0.0756
Propane	2.9445	2.9689	0.8130	74.09	0.0448
Iso-Butane	0.5286	0.5330	0.1730	17.19	0.0106
N-Butane	0.7552	0.7615	0.2390	24.64	0.0152
Neopentane 2,2 dmc3	0.0000	0.0000	0.0000	0.00	0.0000
I-Pentane	0.2099	0.2116	0.0770	8.40	0.0052
N-Pentane	0.1406	0.1418	0.0510	5.64	0.0035
Neohexane	0.0012	N/R	0.0010	0.06	0.0000
2-3-Dimethylbutane	0.0082	N/R	0.0030	0.39	0.0002
Cyclopentane	0.0085	N/R	0.0030	0.32	0.0002
2-Methylpentane	0.0553	N/R	0.0230	2.63	0.0016
3-Methylpentane	0.0214	N/R	0.0090	1.02	0.0006
C6	0.0552	0.4856	0.0230	2.63	0.0016
Methylcyclopentane	0.0351	N/R	0.0120	1.58	0.0010
Benzene	0.0074	N/R	0.0020	0.28	0.0002
Cyclohexane	0.0207	N/R	0.0070	0.93	0.0006
2-Methylhexane	0.0077	N/R	0.0040	0.42	0.0003
3-Methylhexane	0.0095	N/R	0.0040	0.52	0.0003
2-2-4-Trimethylpentane	0.0037	N/R	0.0020	0.23	0.0001
i-heptanes	0.0053	N/R	0.0020	0.28	0.0002
Heptane	0.0311	N/R	0.0140	1.71	0.0011

Methylcyclohexane	0.0752	N/R	0.0300	3.92	0.0025
Toluene	0.0494	N/R	0.0170	2.21	0.0016
2-Methylheptane	0.0211	N/R	0.0110	1.31	0.0008
4-Methylheptane	0.0088	N/R	0.0050	0.55	0.0003
i-Octanes	0.0111	N/R	0.0050	0.67	0.0004
Octane	0.0243	N/R	0.0120	1.52	0.0010
Ethylbenzene	0.0012	N/R	0.0000	0.06	0.0000
m, p Xylene	0.0139	N/R	0.0050	0.72	0.0005
o Xylene (& 2,2,4 tmc7)	0.0011	N/R	0.0000	0.06	0.0000
i-C9	0.0014	N/R	0.0010	0.09	0.0001
C9	0.0026	N/R	0.0010	0.18	0.0001
i-C10	0.0008	N/R	0.0000	0.06	0.0000
C10	0.0003	N/R	0.0000	0.02	0.0000
i-C11	0.0000	N/R	0.0000	0.00	0.0000
C11	0.0001	N/R	0.0000	0.01	0.0000
C12P	0.0001	N/R	0.0000	0.01	0.0000
Total	100.00	100.828	18.386	1146.93	0.6751

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

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

COMPRESSIBILITY FACTOR (1/Z):	1.003	CYLINDER #:	6
BTU/CU.FT IDEAL:	1149.6	CYLINDER PRESSURE:	548 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1153.0	ANALYSIS DATE:	08/13/2020
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1132.9	ANALYSIS TIME:	09:24:07 AM
DRY BTU @ 15.025:	1176.1	ANALYSIS RUN BY:	PATRICIA KING
REAL SPECIFIC GRAVITY:	0.6769		

**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: 08/13/2020**

**GC Method: C12+BTEX Gas**



HARVEST MIDSTREAM  
WELL ANALYSIS COMPARISON

**Lease:** KUTZ 1 INLET

08/13/2020

**Stn. No.:**

33700-10530

**Mtr. No.:**

Smpl Date: 08/12/2020  
 Test Date: 08/13/2020  
 Run No: HM200073

Nitrogen: 0.3113  
 CO2: 1.8251  
 Methane: 85.5219  
 Ethane: 7.2812  
 Propane: 2.9445  
 I-Butane: 0.5286  
 N-Butane: 0.7552  
 2,2 dmc3: 0.0000  
 I-Pentane: 0.2099  
 N-Pentane: 0.1406  
 Neohexane: 0.0012  
 2-3-: 0.0082  
 Cyclopentane: 0.0085  
 2-Methylpentane: 0.0553  
 3-Methylpentane: 0.0214  
 C6: 0.0552  
 Methylcyclopentane: 0.0351  
 Benzene: 0.0074  
 Cyclohexane: 0.0207  
 2-Methylhexane: 0.0077  
 3-Methylhexane: 0.0000  
 2-2-4-: 0.0037  
 i-heptanes: 0.0053  
 Heptane: 0.0311  
 Methylcyclohexane: 0.0752  
 Toluene: 0.0494  
 2-Methylheptane: 0.0211  
 4-Methylheptane: 0.0088  
 i-Octanes: 0.0111  
 Octane: 0.0243  
 Ethylbenzene: 0.0012  
 m, p Xylene: 0.0139  
 o Xylene (& 2,2,4: 0.0011  
 i-C9: 0.0014  
 C9: 0.0026  
 i-C10: 0.0008  
 C10: 0.0003  
 i-C11: 0.0000  
 C11: 0.0001  
 C12P: 0.0001  
 BTU: 1153.0  
 GPM: 18.4050  
 SPG: 0.6769

33700-10530 HM 200073 548#

Location of Sample <b>KUTZ 1 INLET</b>		Meter Code & CK Digit
Continuous Sampler Beginning Date		Ending Date or Date Pulled <b>8-12-20</b>
Run Number	Operator Code <b>NIC</b>	Line PSIG <b>568</b>
Cylinder Number <b>#6</b>	Type Sample <input type="checkbox"/> Spot <input type="checkbox"/> Continuous	Flow Temp. <b>75</b>
Remarks <b>EXTENDED ANALYSIS</b>		
Sample Taken By <b>DANIEL MONCLOVA</b>		Phone Number san juan reproduction 216-68

**LINE LEAK OR CONTINUOUS PSV RELEASE CALCULATOR AND REPORTING**  
**FOR USE FOR RELEASE REMAINING UNDER CONSTANT LINE PRESSURE (I.E. PSV RELIEVES)**  
 Fill in Yellow Fields

ASSUMES NO PRESSURE LOSS AS RESULT OF LEAK

ENTERED BY WHOM	DATE	PSI	PORT SIZE IN INCHES	TIME IN MINUTES BLOWN	MCF LOST	COMMENTS
		780.0	3.07	1.00	124.61	

**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 36167

**QUESTIONS**

Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID: 373888
	Action Number: 36167
	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	Yes
Did or will this venting or flaring last eight hours or more cumulatively within any 24-hour period from a single event	No
Is this considered a submission for a notification of a major venting or flaring	Yes, minor venting or flaring of natural gas.
<b>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.</b>	
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	Kutz Blend Line
Facility Type	Treating Plant - (TP)

**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	86
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
<b>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</b>	
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	07/01/2021
Time venting or flaring was discovered or commenced	10:00 AM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	07/01/2021
Time venting or flaring was terminated	10:02 AM
Total duration of venting or flaring in hours, if venting or flaring has terminated	0
Longest duration of cumulative hours within any 24-hour period during this event	0

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

Natural Gas Vented (Mcf) Details	Cause: Normal Operations   Valve   Natural Gas Vented   Spilled: 125 Mcf   Recovered: 0 Mcf   Lost: 125 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	Not answered.
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	While performing meter verification on Kutz CO2 Blend line, tech froze valves during calibration. As pressure was applied meter opened fisher controller causing increase in pressure of 6" pipeline lifting the PSV.
Steps taken to limit the duration and magnitude of venting or flaring	Shut in the 2" valve downstream of controller and stopped release.
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	An administrative control will be placed next/near the RTU.

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CONDITIONS  
  
Action 36167

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Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID: 373888
	Action Number: 36167
	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.	7/13/2021