



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

Analysis No: HM200088  
Cust No: 33700-10095

### Well/Lease Information

Customer Name: HARVEST MIDSTREAM  
Well Name: 31-6 STRADDLE SUCTION  
County/State:  
Location:  
Lease/PA/CA:  
Formation:  
Cust. Stn. No.: 62205-001

Source: INLET  
Well Flowing:  
Pressure: 30 PSIG  
Flow Temp: 73 DEG. F  
Ambient Temp: DEG. F  
Flow Rate: MCF/D  
Sample Method:  
Sample Date: 10/02/2020  
Sample Time: 11.25 AM  
Sampled By: Josh Gullion  
Sampled by (CO): HARVEST

Heat Trace:

Remarks: Calculated Molecular Weight = 17.5867

### Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1173	0.1162	0.0130	0.00	0.0011
CO2	4.3087	4.2688	0.7370	0.00	0.0655
Methane	93.8666	92.9971	15.9440	948.05	0.5199
Ethane	1.3252	1.3129	0.3550	23.45	0.0138
Propane	0.2467	0.2444	0.0680	6.21	0.0038
Iso-Butane	0.0484	0.0480	0.0160	1.58	0.0010
N-Butane	0.0448	0.0444	0.0140	1.46	0.0009
Neopentane 2,2 dmc3	0.0000	0.0000	0.0000	0.00	0.0000
I-Pentane	0.0114	0.0113	0.0040	0.46	0.0003
N-Pentane	0.0056	0.0055	0.0020	0.22	0.0001
Neohexane	0.0007	N/R	0.0000	0.03	0.0000
2-3-Dimethylbutane	0.0001	N/R	0.0000	0.00	0.0000
Cyclopentane	0.0001	N/R	0.0000	0.00	0.0000
2-Methylpentane	0.0009	N/R	0.0000	0.04	0.0000
3-Methylpentane	0.0017	N/R	0.0010	0.08	0.0001
C6	0.0031	0.0251	0.0010	0.15	0.0001
Methylcyclopentane	0.0022	N/R	0.0010	0.10	0.0001
Benzene	0.0015	N/R	0.0000	0.06	0.0000
Cyclohexane	0.0019	N/R	0.0010	0.09	0.0001
2-Methylhexane	0.0007	N/R	0.0000	0.04	0.0000
3-Methylhexane	0.0002	N/R	0.0000	0.01	0.0000
2-2-4-Trimethylpentane	0.0003	N/R	0.0000	0.02	0.0000
i-heptanes	0.0004	N/R	0.0000	0.02	0.0000
Heptane	0.0017	N/R	0.0010	0.09	0.0001

Methylcyclohexane	0.0035	N/R	0.0010	0.18	0.0001
Toluene	0.0015	N/R	0.0010	0.07	0.0000
2-Methylheptane	0.0007	N/R	0.0000	0.04	0.0000
4-Methylheptane	0.0004	N/R	0.0000	0.02	0.0000
i-Octanes	0.0005	N/R	0.0000	0.03	0.0000
Octane	0.0010	N/R	0.0010	0.06	0.0000
Ethylbenzene	0.0001	N/R	0.0000	0.01	0.0000
m, p Xylene	0.0007	N/R	0.0000	0.04	0.0000
o Xylene (& 2,2,4 tmc7)	0.0001	N/R	0.0000	0.01	0.0000
i-C9	0.0004	N/R	0.0000	0.03	0.0000
C9	0.0004	N/R	0.0000	0.03	0.0000
i-C10	0.0003	N/R	0.0000	0.02	0.0000
C10	0.0001	N/R	0.0000	0.01	0.0000
i-C11	0.0001	N/R	0.0000	0.01	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	99.074	17.161	982.71	0.6072

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

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

COMPRESSIBILITY FACTOR (1/Z):	1.0022	CYLINDER #:	04
BTU/CU.FT IDEAL:	985.0	CYLINDER PRESSURE:	27 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	987.2	ANALYSIS DATE:	10/06/2020
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	970.0	ANALYSIS TIME:	12:28:27 AM
DRY BTU @ 15.025:	1007.0	ANALYSIS RUN BY:	PATRICIA KING
REAL SPECIFIC GRAVITY:	0.6083		

**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: 10/07/2020**

**GC Method: C12+BTEX Gas**



HARVEST MIDSTREAM  
WELL ANALYSIS COMPARISON

**Lease:** 31-6 STRADDLE SUCTION  
**Stn. No.:** 62205-001  
**Mtr. No.:**

INLET

10/07/2020  
 33700-10095

Smpl Date:	10/02/2020	07/10/2020	12/26/2018
Test Date:	10/06/2020	07/13/2020	12/28/2018
Run No:	HM200088	HM200063	HM180020
Nitrogen:	0.1173	0.1155	0.0920
CO2:	4.3087	3.9918	4.2055
Methane:	93.8666	94.1841	93.7409
Ethane:	1.3252	1.3719	1.4234
Propane:	0.2467	0.2361	0.2857
I-Butane:	0.0484	0.0384	0.0493
N-Butane:	0.0448	0.0317	0.0483
2,2 dmc3:	0.0000	0.0000	0.1198
I-Pentane:	0.0114	0.0115	0.0160
N-Pentane:	0.0056	0.0052	0.0104
Neohexane:	0.0007	0.0001	0.0001
2-3-	0.0001	0.0003	0.0001
Cyclopentane:	0.0001	0.0003	0.0001
2-Methylpentane:	0.0009	0.0017	0.0010
3-Methylpentane:	0.0017	0.0007	0.0003
C6:	0.0031	0.0015	0.0010
Methylcyclopentane:	0.0022	0.0011	0.0008
Benzene:	0.0015	0.0006	0.0003
Cyclohexane:	0.0019	0.0007	0.0004
2-Methylhexane:	0.0007	0.0003	0.0002
3-Methylhexane:	0.0001	0.0000	0.0000
2-2-4-	0.0003	0.0000	0.0001
i-heptanes:	0.0004	0.0002	0.0001
Heptane:	0.0017	0.0010	0.0005
Methylcyclohexane:	0.0035	0.0017	0.0010
Toluene:	0.0015	0.0010	0.0004
2-Methylheptane:	0.0007	0.0003	0.0003
4-Methylheptane:	0.0004	0.0002	0.0001
i-Octanes:	0.0005	0.0002	0.0003
Octane:	0.0010	0.0006	0.0004
Ethylbenzene:	0.0001	0.0001	0.0000
m, p Xylene:	0.0007	0.0004	0.0003
o Xylene (& 2,2,4	0.0001	0.0001	0.0000
i-C9:	0.0004	0.0002	0.0002
C9:	0.0004	0.0002	0.0002
i-C10:	0.0003	0.0002	0.0000
C10:	0.0001	0.0001	0.0001
i-C11:	0.0001	0.0000	0.0000
C11:	0.0000	0.0000	0.0000
C12P:	0.0000	0.0000	0.0000
BTU:	987.2	989.6	993.1
GPM:	17.1640	17.1620	17.1570
SPG:	0.6083	0.6047	0.6101

Location of Sample: 31-6 Straddle		Meter Code & CK Digit: 62205-01 <span style="color: red;">27#</span>
Continuous Sampler Beginning Date:		Ending Date or Date Pulled: 10/2/20
Run Number:	Operator Code:	Line PSIG: <del>30</del> 30
Cylinder Number: 04	Type Sample: <input checked="" type="checkbox"/> Spot <input type="checkbox"/> Continuous	Flow Temp.: 73
Remarks:		
<div style="text-align: center;"><span style="color: red;">33700-10095</span> <span style="color: red;">HM 200088</span></div>		
Sample Taken By: Josh Gullon		Phone Number: (505) 419-6092

**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

WELL/LINE NAME	METER NUMBER	ENTERED BY WHOM	DATE	PSI	PORT SIZE IN INCHES	TIME IN MINUTES BLOWN	MCF LOST	COMMENTS
31-6 PSV Release				97.0	1.00	120.00	213.70	
							0.00	
							0.00	
							0.00	
							0.00	
							0.00	
							0.00	

**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 34604

**QUESTIONS**

Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID: 373888
	Action Number: 34604
	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 19.13.29.7 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	31-6 CDP
Facility Type	Compressor Station - (CS)

**Equipment Involved**

Primary Equipment Involved	Other (Specify)
Additional details for Equipment Involved. Please specify	Supply tubing line

**Representative Compositional Analysis of Vented or Flared Natural Gas***Please provide the mole percent for the percentage questions in this group.*

Methane (CH4) percentage	94
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	4
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	06/23/2021
Time venting or flaring was discovered or commenced	01:30 AM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	06/23/2021
Time venting or flaring was terminated	03:45 AM
Total duration of venting or flaring in hours, if venting or flaring has terminated	2
Longest duration of cumulative hours within any 24-hour period during this event	2

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

Natural Gas Vented (Mcf) Details	Cause: Equipment Failure   Other (Specify)   Natural Gas Vented   Spilled: 214 Mcf   Recovered: 0 Mcf   Lost: 214 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	Suction pressure relief valve on compressor failed to open when supply tubing line broke.
Steps taken to limit the duration and magnitude of venting or flaring	Shut in unit
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	Isolated and repaired tubing line

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CONDITIONS  
  
Action 34604

CONDITIONS

Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID: 373888
	Action Number: 34604
	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.	7/1/2021