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

Analysis No: HM2021030
Cust No: 33700-10175

Well/Lease Information

Customer Name:	HARVEST MIDSTREAM	Source:	Suctiion Inlet
Well Name:	TRUNK M CDP	Well Flowing:	
County/State:	RIO ARRIBA NM	Pressure:	25 PSIG
Location:		Flow Temp:	57 DEG. F
Lease/PA/CA:		Ambient Temp:	64 DEG. F
Formation:		Flow Rate:	11 MCF/D
Cust. Stn. No.:		Sample Method:	Purge & Fill
		Sample Date:	04/20/2021
		Sample Time:	4.00 PM
		Sampled By:	DAN WEYRANCH
Heat Trace:		Sampled by (CO):	HARVEST MID
Remarks:	Calculated Molecular Weight = 18.9322		

Analysis

Component:	Mole%:	Unormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1609	0.1594	0.0180	0.00	0.0016
CO2	2.0540	2.0352	0.3510	0.00	0.0312
Methane	88.4824	87.6730	15.0390	893.67	0.4901
Ethane	5.5773	5.5263	1.4950	98.70	0.0579
Propane	1.9613	1.9434	0.5420	49.35	0.0299
Iso-Butane	0.4310	0.4271	0.1410	14.02	0.0087
N-Butane	0.5193	0.5145	0.1640	16.94	0.0104
Neopentane 2,2 dmc3	0.0061	0.0060	0.0020	0.24	0.0002
I-Pentane	0.2294	0.2273	0.0840	9.18	0.0057
N-Pentane	0.1527	0.1513	0.0550	6.12	0.0038
Neohexane	0.0078	N/R	0.0030	0.37	0.0002
2-3-Dimethylbutane	0.0083	N/R	0.0030	0.39	0.0002
Cyclopentane	0.0086	N/R	0.0030	0.32	0.0002
2-Methylpentane	0.0556	N/R	0.0230	2.64	0.0017
3-Methylpentane	0.0224	N/R	0.0090	1.06	0.0007
C6	0.0657	0.4217	0.0270	3.12	0.0020
Methylcyclopentane	0.0444	N/R	0.0160	2.00	0.0013
Benzene	0.0106	N/R	0.0030	0.40	0.0003
Cyclohexane	0.0237	N/R	0.0080	1.06	0.0007
2-Methylhexane	0.0110	N/R	0.0050	0.60	0.0004
3-Methylhexane	0.0098	N/R	0.0050	0.53	0.0003
2-2-4-Trimethylpentane	0.0036	N/R	0.0020	0.22	0.0001
i-heptanes	0.0074	N/R	0.0030	0.39	0.0003
Heptane	0.0290	N/R	0.0130	1.60	0.0010

Methylcyclohexane	0.0587	N/R	0.0240	3.06	0.0020
Toluene	0.0184	N/R	0.0060	0.82	0.0006
2-Methylheptane	0.0106	N/R	0.0050	0.66	0.0004
4-Methylheptane	0.0051	N/R	0.0030	0.32	0.0002
i-Octanes	0.0051	N/R	0.0020	0.31	0.0002
Octane	0.0110	N/R	0.0060	0.69	0.0004
Ethylbenzene	0.0003	N/R	0.0000	0.02	0.0000
m, p Xylene	0.0062	N/R	0.0020	0.32	0.0002
o Xylene (& 2,2,4 tmc7)	0.0005	N/R	0.0000	0.03	0.0000
i-C9	0.0005	N/R	0.0000	0.03	0.0000
C9	0.0013	N/R	0.0010	0.09	0.0001
i-C10	0.0001	N/R	0.0000	0.01	0.0000
C10	0.0001	N/R	0.0000	0.01	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	99.085	18.063	1109.29	0.6529

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY
**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBLITY FACTOR (1/Z):	1.0028	CYLINDER #:	17
BTU/CU.FT IDEAL:	1111.9	CYLINDER PRESSURE:	26 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1115.0	ANALYSIS DATE:	04/21/2021
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1095.6	ANALYIS TIME:	03:31:38 AM
DRY BTU @ 15.025:	1137.3	ANALYSIS RUN BY:	PATRICIA KING
REAL SPECIFIC GRAVITY:	0.6545		

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: 04/22/2021**
GC Method: C12+BTEX Gas

HARVEST MIDSTREAM

WELL ANALYSIS COMPARISON

Lease: TRUNK M CDP Suctiion Inlet 04/22/2021

Stn. No.: 33700-10175

Mtr. No.:

Smpl Date:	04/20/2021	06/03/2020	04/02/2019
Test Date:	04/21/2021	06/04/2020	04/03/2019
Run No:	HM2021030	HM200052	HM190015
Nitrogen:	0.1609	0.1705	0.1357
CO2:	2.0540	2.0807	1.9757
Methane:	88.4824	88.4325	88.8050
Ethane:	5.5773	5.5399	5.4014
Propane:	1.9613	1.9964	1.9418
I-Butane:	0.4310	0.4282	0.4202
N-Butane:	0.5193	0.5094	0.5080
2,2 dmc3:	0.0061	0.0016	0.0112
I-Pentane:	0.2294	0.2150	0.2204
N-Pentane:	0.1527	0.1424	0.1430
Neohexane:	0.0078	0.0081	0.0126
2-3-	0.0083	0.0090	0.0079
Cyclopentane:	0.0086	0.0094	0.0082
2-Methylpentane:	0.0556	0.0609	0.0531
3-Methylpentane:	0.0224	0.0256	0.0258
C6:	0.0657	0.0714	0.0636
Methylcyclopentane:	0.0444	0.0454	0.0447
Benzene:	0.0106	0.0109	0.0111
Cyclohexane:	0.0237	0.0259	0.0239
2-Methylhexane:	0.0110	0.0134	0.0119
3-Methylhexane:	0.0000	0.0000	0.0000
2-2-4-	0.0036	0.0040	0.0043
i-heptanes:	0.0074	0.0091	0.0081
Heptane:	0.0290	0.0344	0.0300
Methylcyclohexane:	0.0587	0.0649	0.0558
Toluene:	0.0184	0.0246	0.0197
2-Methylheptane:	0.0106	0.0138	0.0110
4-Methylheptane:	0.0051	0.0068	0.0057
i-Octanes:	0.0051	0.0056	0.0065
Octane:	0.0110	0.0164	0.0121
Ethylbenzene:	0.0003	0.0005	0.0004
m, p Xylene:	0.0062	0.0089	0.0059
o Xylene (& 2,2,4	0.0005	0.0006	0.0005
i-C9:	0.0005	0.0008	0.0014
C9:	0.0013	0.0024	0.0017
i-C10:	0.0001	0.0003	0.0006
C10:	0.0001	0.0002	0.0009
i-C11:	0.0000	0.0000	0.0000
C11:	0.0000	0.0000	0.0000
C12P:	0.0000	0.0000	0.0000
BTU:	1115.0	1116.1	1113.9
GPM:	18.0790	18.0890	18.0570
SPG:	0.6545	0.6558	0.6523

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

GAS ANALYSIS SERVICE

C6+ ☐ C9+ ☐ C12+ BTEX ☐ Helium ☐
N2 Flowback ☐ Sulfurs ☐ Ext. Liquid ☐
Other _____ Date 4-20-21
Sampled By:(Co.) HARVEST MIDSTREAM Time 4:00 ☐AM ☒PM
Sampled by:(Person) DAN WEYRAUCH Well Flowing: ☐ Yes ☐ No
Company: _____ Heat Trace: ☐ Yes ☐ No
Well Name: TRUNK M CDP Flow Pressure (PSIG): 25
Lease#: _____ Flow Temp (°F): 57
County: RIO ARRIBA Formation: _____ Ambient Temp (°F): 64
State: N.M. Location: _____ Flow Rate (MCF/D): 11
Source: ☐ Meter Run ☐ Tubing ☐ Casing ☐ Bradenhead ☐ Other _____
Sample Type: ☐ Spot ☐ Composite Sample Method: ☒ Purge & Fill ☐ Other SUCTION INLET
Meter Number: _____ Cylinder Number: 17
Contact: DAN WEYRAUCH 505-787-7705
Remarks: 33700 - 10175 HM 20210330

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
				93.3	0.31	12960.00	*2,179.55*	
				93.3	0.19	12960.00	*797.34*	
				93.3	0.13	12960.00	*354.38*	
				93.3	0.06	12960.00	*88.59*	
							SUM	*3,419.86*

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 38685

QUESTIONS

Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID: 373888
	Action Number: 38685
	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 addional 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, major 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 19.15.29.7 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 occuring at a facility that does not have an Facility ID (f#) yet.	
Facility or Site Name	San Juan 30-5 29M
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	88
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	2
Oxygen (02) 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 Sufide (H2S) PPM quality requirement	*Not answered.*
Carbon Dioxide (C02) percentage quality requirement	*Not answered.*
Oxygen (02) 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	12:10 PM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	07/15/2021
Time venting or flaring was terminated	12:30 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: Corrosion | Pipeline (Any) | Natural Gas Vented | Spilled: 3,420 Mcf | Recovered: 0 Mcf | Lost: 3,420 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	Release was due to corrosion of the pipeline.
Steps taken to limit the duration and magnitude of venting or flaring	Line was isolated and blown down to stop release. The line was then repaired.
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	Replaced several feet of pipeline and returned the line back to service.

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CONDITIONS

Action 38685

CONDITIONS

Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID: 373888
	Action Number: 38685
	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.	7/28/2021