



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

Analysis No: HM20230024
Cust No: 33700-10050

Well/Lease Information

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

Source: METER RUN
Well Flowing:
Pressure: 195 PSIG
Flow Temp: 47 DEG. F
Ambient Temp: 40 DEG. F
Flow Rate: 19847 MCF/D
Sample Method: Purge & Fill
Sample Date: 04/06/2023
Sample Time: 10.20 AM
Sampled By: TRAVIS BEATY
Sampled by (CO): HARVEST

Heat Trace:

Remarks: Calculated Molecular Weight = 19.8111

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3397	0.3458	0.0370	0.00	0.0033
CO2	1.7702	1.8022	0.3030	0.00	0.0269
Methane	84.6527	86.1822	14.3920	854.99	0.4689
Ethane	7.3945	7.5281	1.9830	130.86	0.0768
Propane	3.4738	3.5366	0.9600	87.41	0.0529
Iso-Butane	0.5823	0.5928	0.1910	18.94	0.0117
N-Butane	0.8499	0.8653	0.2690	27.73	0.0171
Neopentane 2,2 dmc3	0.0000	0.0000	0.0000	0.00	0.0000
I-Pentane	0.3126	0.3182	0.1150	12.50	0.0078
N-Pentane	0.2322	0.2364	0.0840	9.31	0.0058
Neohexane	0.0097	N/R	0.0040	0.46	0.0003
2-3-Dimethylbutane	0.0109	N/R	0.0040	0.52	0.0003
Cyclopentane	0.0113	N/R	0.0030	0.43	0.0003
2-Methylpentane	0.0732	N/R	0.0300	3.48	0.0022
3-Methylpentane	0.0273	N/R	0.0110	1.30	0.0008
C6	0.0809	0.3992	0.0330	3.85	0.0024
Methylcyclopentane	0.0546	N/R	0.0190	2.46	0.0016
Benzene	0.0111	N/R	0.0030	0.42	0.0003
Cyclohexane	0.0223	N/R	0.0080	1.00	0.0006
2-Methylhexane	0.0070	N/R	0.0030	0.38	0.0002
3-Methylhexane	0.0081	N/R	0.0040	0.44	0.0003
2-2-4-Trimethylpentane	0.0014	N/R	0.0010	0.09	0.0001
i-heptanes	0.0049	N/R	0.0020	0.26	0.0002
Heptane	0.0175	N/R	0.0080	0.96	0.0006

Methylcyclohexane	0.0316	N/R	0.0130	1.65	0.0011
Toluene	0.0110	N/R	0.0040	0.49	0.0003
2-Methylheptane	0.0025	N/R	0.0010	0.15	0.0001
4-Methylheptane	0.0012	N/R	0.0010	0.07	0.0000
i-Octanes	0.0006	N/R	0.0000	0.04	0.0000
Octane	0.0021	N/R	0.0010	0.13	0.0001
Ethylbenzene	0.0001	N/R	0.0000	0.01	0.0000
m, p Xylene	0.0010	N/R	0.0000	0.05	0.0000
o Xylene (& 2,2,4 tmc7)	0.0002	N/R	0.0000	0.01	0.0000
i-C9	0.0005	N/R	0.0000	0.03	0.0000
C9	0.0002	N/R	0.0000	0.01	0.0000
i-C10	0.0007	N/R	0.0000	0.05	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	101.807	18.487	1160.47	0.6830

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0031
 BTU/CU.FT IDEAL: 1163.2
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1166.8
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1146.5
 DRY BTU @ 15.025: 1190.2
 REAL SPECIFIC GRAVITY: 0.6849

CYLINDER #: 1571
 CYLINDER PRESSURE: 194 PSIG
 ANALYSIS DATE: 04/10/2023
 ANALYSIS TIME: 10:18:48 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: 04/10/2023****GC Method: C12+BTEX Gas**



HARVEST MIDSTREAM
WELL ANALYSIS COMPARISON

Lease: THOMPSON HIGH INLET

METER RUN

04/10/2023

Stn. No.:

33700-10050

Mtr. No.:

Smpl Date:	04/06/2023
Test Date:	04/10/2023
Run No:	HM20230024
Nitrogen:	0.3397
CO2:	1.7702
Methane:	84.6527
Ethane:	7.3945
Propane:	3.4738
I-Butane:	0.5823
N-Butane:	0.8499
2,2 dmc3:	0.0000
I-Pentane:	0.3126
N-Pentane:	0.2322
Neohexane:	0.0097
2-3-	0.0109
Cyclopentane:	0.0113
2-Methylpentane:	0.0732
3-Methylpentane:	0.0273
C6:	0.0809
Methylcyclopentane:	0.0546
Benzene:	0.0111
Cyclohexane:	0.0223
2-Methylhexane:	0.0070
3-Methylhexane:	0.0000
2-2-4-	0.0014
i-heptanes:	0.0049
Heptane:	0.0175
Methylcyclohexane:	0.0316
Toluene:	0.0110
2-Methylheptane:	0.0025
4-Methylheptane:	0.0012
i-Octanes:	0.0006
Octane:	0.0021
Ethylbenzene:	0.0001
m, p Xylene:	0.0010
o Xylene (& 2,2,4	0.0002
i-C9:	0.0005
C9:	0.0002
i-C10:	0.0007
C10:	0.0001
i-C11:	0.0000
C11:	0.0000
C12P:	0.0000
BTU:	1166.8
GPM:	18.5090
SPG:	0.6849



10 PSIG Precharge

C6+ ☐ C9+ ☐ C12+ ☐ C12+ BTEX ☐ Helium ☐Other Extended Date 4-6-23Sampled By:(Co.) Harvest MidstreamTime 10:20 ☒ AM ☐ PMSampled by:(Person) Travis BeatyWell Flowing: ☐ Yes ☐ NoCompany: Harvest MidstreamHeat Trace: ☐ Yes ☐ NoWell Name: Thompson Hi SideFlow Pressure (PSIG): 195Location: Thompson C.S.Flow Temp (°F): 47County/State: San Juan / N.M.Ambient Temp (°F): 40

Formation: _____

Flow Rate (MCF/D): 19847Source: ☒ Meter Run ☐ Tubing ☐ Casing ☐ Bradenhead ☐ Other _____Sample Type: ☒ Spot ☐ Composite Sample Method: ☒ Purge & Fill ☐ Other _____Meter Number: 01031309Cylinder Number: FCA 1571

Contact: _____

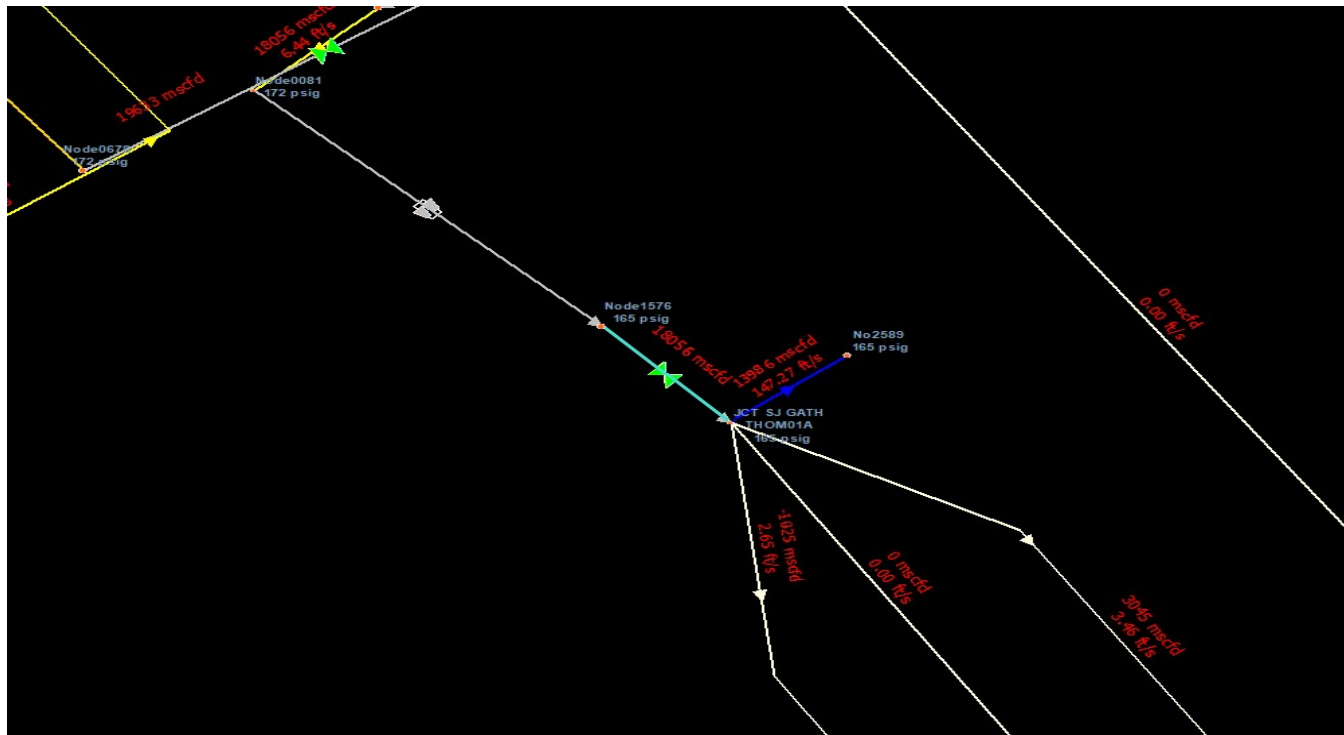
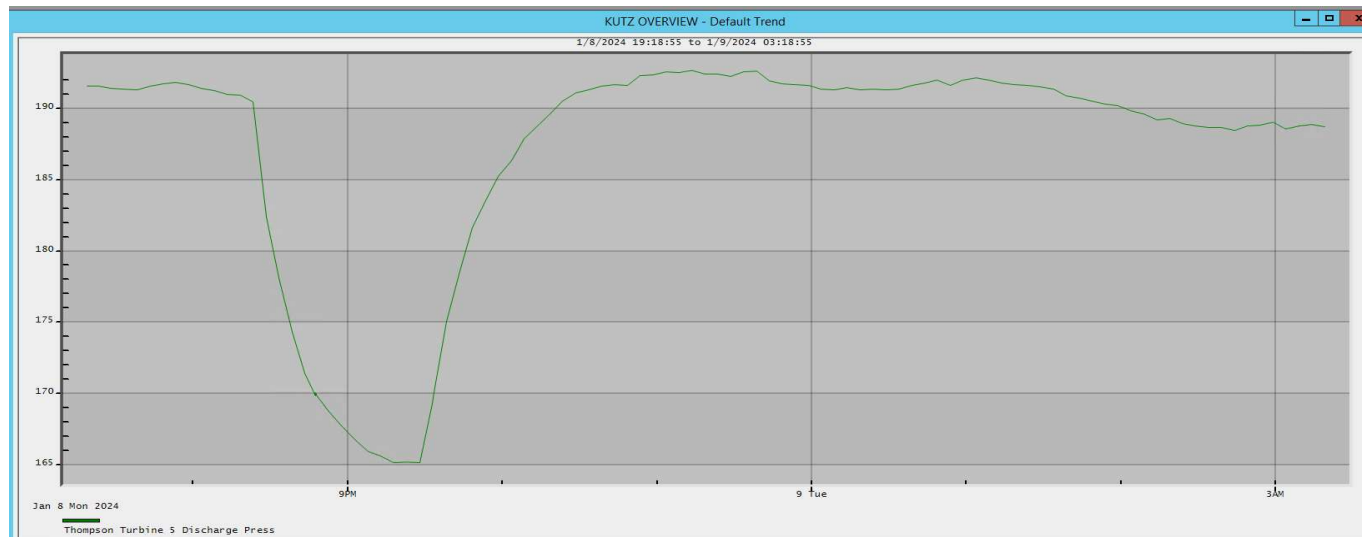
Remarks: _____

33700 - 10050HM 20230024

Line Leak Calc

Gas Vent Rate	13,986	Mcf	From Synergi Model
Time/date Discovered	1/8/2024 20:30		
Time/date Isolated	1/8/2024 21:30		
Total Hours Blown	1.00	hours	

Lost Gas From PSV Release	582.8	Mcf
----------------------------------	--------------	------------



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

DEFINITIONS

Action 301619

DEFINITIONS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 301619
	Action Type: [C-129] Venting and/or Flaring (C-129)

DEFINITIONS

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

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 301619

QUESTIONS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 301619
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Prerequisites Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.	
Incident Well	Unavailable.
Incident Facility	[fAPP2123052765] HARVEST FOUR CORNERS GATHER SYSTEM

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 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, major venting and/or flaring of natural gas.
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.	
Was there at least 50 MCF of natural gas vented and/or flared during this event	Yes
Did this vent or flare 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
Was the vent or flare within an incorporated municipal boundary or withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

Equipment Involved	
Primary Equipment Involved	Valve
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	85
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 (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 Sufide (H2S) PPM quality requirement	Not answered.
Carbon Dioxide (C02) percentage quality requirement	Not answered.
Oxygen (O2) percentage quality requirement	Not answered.

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, Page 2

Action 301619

QUESTIONS (continued)

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 301619
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	01/08/2024
Time vent or flare was discovered or commenced	08:30 PM
Time vent or flare was terminated	09:30 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: 583 Mcf Recovered: 0 Mcf Lost: 583 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	This release was caused by the pilot on the valve freezing. The pilot freezing allowed the PSV to relieve. The PSV is set to relieve at 500 psi but this freeze allowed it to relieve at 190 psi. Because the equipment is located outside, Harvest cannot control the exposure to freezing temperatures.
Steps taken to limit the duration and magnitude of vent or flare	Upon learning of a potential release, Harvest immediately dispatched personnel to investigate. After arriving on site, the operator confirmed the release and worked to thaw the pilot, which allowed the pilot to reseal and stop the release.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Harvest has relocated a catalytic heater to place near the valve to prevent the pilot from freezing

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

ACKNOWLEDGMENTS

Action 301619

ACKNOWLEDGMENTS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 301619
	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 complete 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.

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

CONDITIONS

Action 301619

CONDITIONS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 301619
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
oakley.hayes	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.	1/9/2024