



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

Analysis No: HM20240067
Cust No: 33700-12140

Well/Lease Information

Customer Name: HARVEST MIDSTREAM
Well Name: Val Verde Plant Train 8; Dehy Inlet
County/State: San Juan NM
Location:
Lease/PA/CA:
Formation:
Cust. Stn. No.:

Heat Trace: N
Remarks: Calculated Molecular Weight = 16.2905

Source: Train 8 Dehy Inlet
Well Flowing: Y
Pressure: 670 PSIG
Flow Temp: 93 DEG. F
Ambient Temp: 63 DEG. F
Flow Rate: 80 MCF/D
Sample Method: Purge & Fill
Sample Date: 08/23/2024
Sample Time: 7.45 AM
Sampled By: Celia L.
Sampled by (CO): ABC

Analysis

| Component: | Mole%: | Unnormalized %: | **GPM: | *BTU: | *SP Gravity: |
|------------------------|---------|-----------------|---------|--------|--------------|
| Nitrogen | 0.0526 | 0.0529 | 0.0060 | 0.00 | 0.0005 |
| CO2 | 0.0880 | 0.0886 | 0.0150 | 0.00 | 0.0013 |
| Methane | 98.6524 | 99.2830 | 16.7550 | 996.39 | 0.5464 |
| Ethane | 0.9563 | 0.9624 | 0.2560 | 16.92 | 0.0099 |
| Propane | 0.1806 | 0.1818 | 0.0500 | 4.55 | 0.0028 |
| Iso-Butane | 0.0311 | 0.0313 | 0.0100 | 1.01 | 0.0006 |
| N-Butane | 0.0240 | 0.0242 | 0.0080 | 0.78 | 0.0005 |
| Neopentane 2,2 dmc3 | 0.0000 | 0.0000 | 0.0000 | 0.00 | 0.0000 |
| I-Pentane | 0.0079 | 0.0080 | 0.0030 | 0.32 | 0.0002 |
| N-Pentane | 0.0046 | 0.0046 | 0.0020 | 0.18 | 0.0001 |
| 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 | 0.0003 | N/R | 0.0000 | 0.01 | 0.0000 |
| 3-Methylpentane | 0.0001 | N/R | 0.0000 | 0.00 | 0.0000 |
| C6 | 0.0003 | 0.0024 | 0.0000 | 0.01 | 0.0000 |
| Methylcyclopentane | 0.0001 | N/R | 0.0000 | 0.00 | 0.0000 |
| Benzene | 0.0000 | N/R | 0.0000 | 0.00 | 0.0000 |
| Cyclohexane | 0.0001 | N/R | 0.0000 | 0.00 | 0.0000 |
| 2-Methylhexane | 0.0001 | N/R | 0.0000 | 0.01 | 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 | 0.0002 | N/R | 0.0000 | 0.01 | 0.0000 |

| | | | | | |
|-------------------------|--------|---------|--------|---------|--------|
| Methylcyclohexane | 0.0004 | N/R | 0.0000 | 0.02 | 0.0000 |
| Toluene | 0.0001 | N/R | 0.0000 | 0.00 | 0.0000 |
| 2-Methylheptane | 0.0001 | N/R | 0.0000 | 0.01 | 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 | 0.0001 | N/R | 0.0000 | 0.01 | 0.0000 |
| Ethylbenzene | 0.0000 | N/R | 0.0000 | 0.00 | 0.0000 |
| m, p Xylene | 0.0001 | N/R | 0.0000 | 0.01 | 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 | 100.639 | 17.105 | 1020.26 | 0.5624 |

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

| | | | |
|--------------------------------------|--------|--------------------|---------------|
| COMPRESSIBILITY FACTOR (1/Z): | 1.0021 | CYLINDER #: | 1072 |
| BTU/CU.FT IDEAL: | 1022.6 | CYLINDER PRESSURE: | 670 PSIG |
| BTU/CU.FT (DRY) CORRECTED FOR (1/Z): | 1024.7 | ANALYSIS DATE: | 08/27/2024 |
| BTU/CU.FT (WET) CORRECTED FOR (1/Z): | 1006.9 | ANALYSIS TIME: | 04:52:37 PM |
| DRY BTU @ 15.025: | 1045.2 | ANALYSIS RUN BY: | PATRICIA KING |
| REAL SPECIFIC GRAVITY: | 0.5634 | | |

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: 08/28/2024

GC Method: C12+BTEX Gas



HARVEST MIDSTREAM
WELL ANALYSIS COMPARISON

Lease: Val Verde Plant Train 8; Dehy Inlet Train 8 Dehy Inlet 08/28/2024
Stn. No.: 33700-12140
Mtr. No.:

| | |
|---------------------|------------|
| Smpl Date: | 08/23/2024 |
| Test Date: | 08/27/2024 |
| Run No: | HM20240067 |
| Nitrogen: | 0.0526 |
| CO2: | 0.0880 |
| Methane: | 98.6524 |
| Ethane: | 0.9563 |
| Propane: | 0.1806 |
| I-Butane: | 0.0311 |
| N-Butane: | 0.0240 |
| 2,2 dmc3: | 0.0000 |
| I-Pentane: | 0.0079 |
| N-Pentane: | 0.0046 |
| Neohexane: | 0.0000 |
| 2-3- | 0.0000 |
| Cyclopentane: | 0.0000 |
| 2-Methylpentane: | 0.0003 |
| 3-Methylpentane: | 0.0001 |
| C6: | 0.0003 |
| Methylcyclopentane: | 0.0001 |
| Benzene: | 0.0000 |
| Cyclohexane: | 0.0001 |
| 2-Methylhexane: | 0.0001 |
| 3-Methylhexane: | 0.0000 |
| 2-2-4- | 0.0000 |
| i-heptanes: | 0.0000 |
| Heptane: | 0.0002 |
| Methylcyclohexane: | 0.0004 |
| Toluene: | 0.0001 |
| 2-Methylheptane: | 0.0001 |
| 4-Methylheptane: | 0.0000 |
| i-Octanes: | 0.0000 |
| Octane: | 0.0001 |
| Ethylbenzene: | 0.0000 |
| m, p Xylene: | 0.0001 |
| o Xylene (& 2,2,4 | 0.0000 |
| i-C9: | 0.0000 |
| C9: | 0.0000 |
| i-C10: | 0.0000 |
| C10: | 0.0000 |
| i-C11: | 0.0000 |
| C11: | 0.0000 |
| C12P: | 0.0000 |
| BTU: | 1024.7 |
| GPM: | 17.1060 |
| SPG: | 0.5634 |

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

670 #



GAS ANALYSIS SERVICE

C6+ ☐ C6+w/H2S ☐ C9+ ☐ **C12+ BTEX** ☒
 Helium ☐ Sulfurs ☐ Ext. Liquid ☐
 Other _____

Date 8-23-24 ☒ AM ☐ PM
 Time 7:45

Sampled By: (Co.) ABP

Sampled by: (Person) CCC

N/C

Well Flowing: ☒ Yes ☐ No

Company: Harvest Midstream

Heat Trace: ☐ Yes ☒ No

Well Name: Val Verde Plant - Train 8 Dehy

Flow Pressure (PSIG): 670

API #: _____ Inlet

Flow Temp (°F): 93

Lease#: _____ Ambient Temp (°F): 63

County: SJ State: NM Formation: _____ Flow Rate (MCF/D): 80 million

Source: ☐ Meter Run ☐ Tubing ☐ Casing ☐ Bradenhead ☒ Other Train 8 Dehy Inlet

Sample Type: ☒ Spot ☐ Composite Sample Method: ☒ Purge & Fill ☐ Other _____

Meter Number: _____ Cylinder Number: 1072

Contact: _____

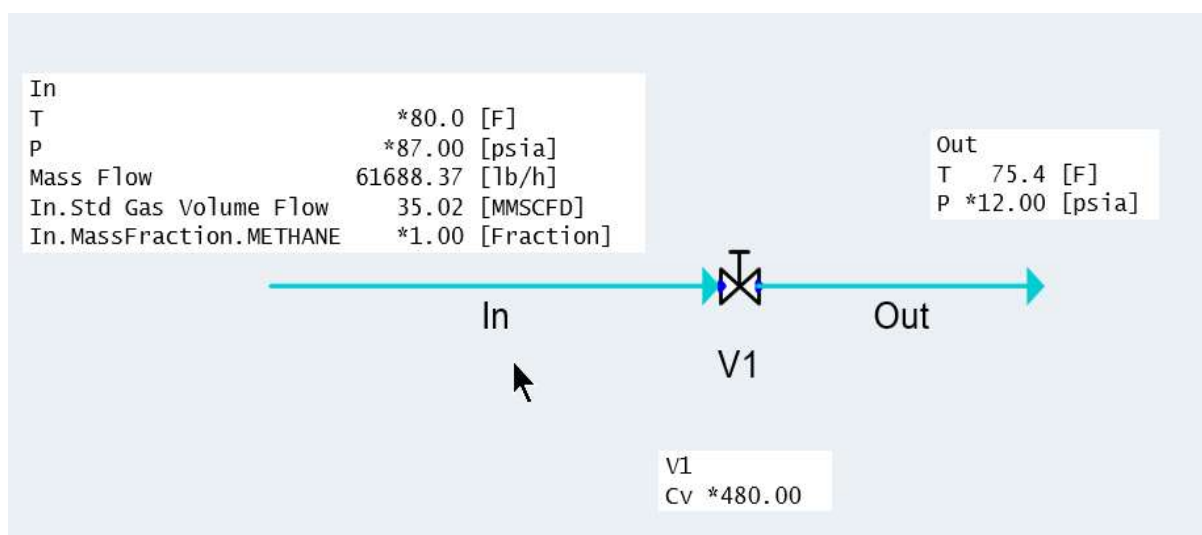
Remarks: 33700-12140 HM 20240067

| Diameter (in) | Length (ft) | Volume (ft ³) |
|---------------|-------------|---------------------------|
| 16 | 1408.48 | 1965.6 |
| 20 | 497.99 | 1085.9 |
| | | 3051.5 Total |

Blowdown 712 psia
 12 psia
 181056.1 scf
 181.1 mcf

 0.3 lbs VOC/mcf gas
 58.3 lbs VOC Total

Sweep - 10 min through 2" Valve at 75 psig
 75 psig
 2 inch valve
 480 Cv
 35.0 mmscfd
 24.3 mcf per min
 243.2 Total mcf for 10 min sweep

Total Emissions
424.3 mcf gas
136.6 lbs VOC


Typical flow coefficients - C_v - for full bore valves

| Valve Size | | | | | | | | | | | |
|------------------------|-----|-----|----|-------|-----|-------|------|------|------|-------|-------|
| inches | 1/2 | 3/4 | 1 | 1 1/2 | 2 | 2 1/2 | 3 | 4 | 6 | 8 | 10 |
| mm | 12 | 19 | 25 | 37.5 | 50 | 62.5 | 75 | 100 | 150 | 200 | 250 |
| Flow Coefficient C_v | 26 | 50 | 94 | 260 | 480 | 750 | 1300 | 2300 | 5400 | 10000 | 16000 |

16 Inch Residue Headers



20 Inch Combined Residue Header



Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

DEFINITIONS

Action 415456

DEFINITIONS

| | |
|--|--|
| Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413 | OGRID: 373888 |
| | Action Number: 415456 |
| | Action Type: [C-129] Venting and/or Flaring (C-129) |

DEFINITIONS

| |
|---|
| <p>For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application:</p> <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. |
|---|

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 415456

QUESTIONS

| | |
|--|--|
| Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413 | OGRID: 373888 |
| | Action Number: 415456 |
| | 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 | [fGP00000000031] VAL VERDE GP |

| | |
|---|---|
| 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, minor 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 | 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 | 99 |
| 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 | 0 |
| 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 (CO2) percentage quality requirement | Not answered. |
| Oxygen (O2) percentage quality requirement | Not answered. |

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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 415456

QUESTIONS (continued)

| | |
|--|--|
| Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413 | OGRID: 373888 |
| | Action Number: 415456 |
| | Action Type: [C-129] Venting and/or Flaring (C-129) |

QUESTIONS

| Date(s) and Time(s) | |
|--|------------|
| Date vent or flare was discovered or commenced | 12/14/2024 |
| Time vent or flare was discovered or commenced | 10:00 AM |
| Time vent or flare was terminated | 10:10 AM |
| Cumulative hours during this event | 0 |

| Measured or Estimated Volume of Vented or Flared Natural Gas | |
|---|---|
| Natural Gas Vented (Mcf) Details | Cause: Midstream Emergency Maintenance Gas Plant Natural Gas Vented Released: 424 Mcf Recovered: 0 Mcf Lost: 424 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 | Val Verde experienced an upset that resulted in high dew point to El paso. The residue line had to be blown down and swept before returning to service. |
| Steps taken to limit the duration and magnitude of vent or flare | Monitored dew point during line sweep to ensure blowdown was not longer than needed. |
| Corrective actions taken to eliminate the cause and reoccurrence of vent or flare | An incident investigation is currently being completed to determine corrective actions |

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 415456

ACKNOWLEDGMENTS

| | |
|--|--|
| Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413 | OGRID: 373888 |
| | Action Number: 415456 |
| | 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. |

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 415456

CONDITIONS

| | |
|--|--|
| Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413 | OGRID: 373888 |
| | Action Number: 415456 |
| | Action Type: [C-129] Venting and/or Flaring (C-129) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|--|----------------|
| chadsnell | 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. | 12/27/2024 |