

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

Analysis No: HM200088 Cust No: 33700-10095

INLET

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

Heat Trace:

Remarks: Calculated Molecular Weight = 17.5867 Source:

Well Flowing:

Pressure: 30 PSIG Flow Temp: 73 DEG. F Ambient Temp: DEG. F MCF/D Flow Rate:

Sample Method:

Sample Date: 10/02/2020 Sample Time: 11.25 AM Sampled By: Josh Gullion

Sampled by (CO): HARVEST

Analysis

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 0.000 0.00 0.000 N-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 0.000 Cyclopentane 0.0001 <td< th=""><th>Component:</th><th>Mole%:</th><th>Unormalized %:</th><th>**GPM:</th><th>*BTU:</th><th>*SP Gravity:</th></td<>	Component:	Mole%:	Unormalized %:	**GPM:	*BTU:	*SP Gravity:
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 0.000 0.000 0.000 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 0.04 0.0000 2-Methylpentane 0.0017 N/R 0.0010 0.08 0.0001 C6 <	Nitrogen	0.1173	0.1162	0.0130	0.00	0.0011
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 0.000 0.00 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 0.00 0.00 0.000 Cyclopentane 0.0001 N/R 0.0000 0.00 0.000 Cyclopentane 0.0017 N/R 0.0000 0.04 0.0000 Cyclopentane 0.0017 N/R 0.0010 0.08 0.0011 C6 0.0031 0.0251 0.0010 0.15 0.0001 Methylcyclopentane 0.0022 N/R 0.0010 0.15 0.0001 Methylcyclopentane 0.0015 N/R 0.0000 0.06 0.0000 Cyclohexane 0.0019 N/R 0.0000 0.06 0.0000 Cyclohexane 0.0019 N/R 0.0000 0.06 0.0000 Cyclohexane 0.0019 N/R 0.0000 0.04 0.0000 Cyclohexane 0.0000 N/R 0.0000 0.000 0.0000 Cyclohexane 0.0000 0.0000 0.0000 0.0000 Cyclohexane 0.0000 N/R 0.0000 0.0000 0.0000 Cyclohexane 0.0000 0.0000 0.0000 0.0000 0.0000 Cyclohexane 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 Cyclohexane 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.000000	CO2	4.3087	4.2688	0.7370	0.00	0.0655
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 0.000 0.000 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 0.03 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 0.0017 N/R 0.0010 0.15 0.0001 Cyclohexane 0.0015 N/R 0.0010 0.16 0.0001 Benzene 0.0019	Methane	93.8666	92.9971	15.9440	948.05	0.5199
Iso-Butane	Ethane	1.3252	1.3129	0.3550	23.45	0.0138
N-Butane 0.0448 0.0444 0.0140 1.46 0.0009 Neopentane 2,2 dmc3 0.0000 0.0000 0.0000 0.0000 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 0.00 0.0000 Cyclopentane 0.0001 N/R 0.0000 0.00 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 0.001 C6 0.0031 0.0251 0.0010 0.15 0.0001 Methylcyclopentane 0.0002 N/R 0.0010 0.10 0.0001 Benzene 0.0015 N/R 0.0000 0.06 0.0001 Cyclohexane 0.0019 N/R 0.0000 0.06 0.0000 Cyclohexane 0.0007 N/R 0.0000 0.04 0.0000 3-Methylhexane 0.0007 N/R 0.0000 0.06 0.0000 Cyclohexane 0.0001 N/R 0.0000 0.04 0.0000 Cyclohexane 0.0001 N/R 0.0000 0.04 0.0000 Cyclohexane 0.0001 N/R 0.0000 0.04 0.0000 Cyclohexane 0.0002 N/R 0.0000 0.01 0.0000 Cyclohexane 0.0002 N/R 0.0000 0.01 0.0000 Cyclohexane 0.0002 N/R 0.0000 0.02 0.0000 Cyclohexane 0.0003 N/R 0.0000 0.02 0.0000 Cyclohexane 0.0003 N/R 0.0000 0.02 0.0000 Cyclohexane 0.0004 N/R 0.0000 0.02 0.0000	Propane	0.2467	0.2444	0.0680	6.21	0.0038
Neopentane 2,2 dmc3 0.0000 0.0000 0.0000 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 0.15 0.0001 Methylcyclopentane 0.0022 N/R 0.0010 0.15 0.0001 Benzene 0.0015 N/R 0.0000 0.06 0.0000 Cyclohexane 0.0019 N/R 0.0010 0.04 0.0000 2-Methylhexane 0.0002 N/R 0.0000 0.01 0.000 2-2-4-Trimethylpentane 0.0004	Iso-Butane	0.0484	0.0480	0.0160	1.58	0.0010
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 0.03 0.0000 0.03 0.0000 0.000	N-Butane	0.0448	0.0444	0.0140	1.46	0.0009
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 0.000 0.0000 Cyclopentane 0.0001 N/R 0.0000 0.00 0.000 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 0.15 0.0001 Benzene 0.0015 N/R 0.0000 0.06 0.0000 Cyclohexane 0.0019 N/R 0.0000 0.06 0.0000 Cyclohexane 0.0007 N/R 0.0000 0.04 0.0000 3-Methylhexane 0.0002 N/R 0.0000 0.04 0.0000 3-Methylhexane 0.0002 N/R 0.0000 0.04 0.0000 3-Methylhexane 0.0002 N/R 0.0000 0.01 0.0000 3-Methylhexane 0.0002 N/R 0.0000 0.01 0.0000 3-Methylhexane 0.0002 N/R 0.0000 0.01 0.0000 3-Methylhexane 0.0002 N/R 0.0000 0.02 0.0000 3-Methylhexane 0.0003 N/R 0.0000 0.02 0.0000 3-Methylhexane 0.0004 N/R 0.0000 0.02 0.0000	Neopentane 2,2 dmc3	0.0000	0.0000	0.0000	0.00	0.0000
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 0.0002 N/R 0.0000 0.04 0.0000 2-2-4-Trimethylpentane 0.0003 N/R 0.0000 0.02 0.0000 I-betares 0.0004 N/R 0.0000 0.02 0.0000	I-Pentane	0.0114	0.0113	0.0040	0.46	0.0003
2-3-Dimethylbutane	N-Pentane	0.0056	0.0055	0.0020	0.22	0.0001
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-bettare 0.0004 N/R 0.0000 0.02 0.0000	Neohexane	0.0007	N/R	0.0000	0.03	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 0.0001 Denzene 0.0015 N/R 0.0000 0.06 0.0000 Cyclohexane 0.0019 N/R 0.0010 0.09 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0000 0.0001 0.0001 0.0000 0.0001 0.0000 0.0001 0.0000 0.0001 0.0000 0.0001 0.0000 0.0001 0.0000 0.0001 0.0000 0.0001 0.0000 0.0001 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.000	2-3-Dimethylbutane	0.0001	N/R	0.0000	0.00	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 0.000	Cyclopentane	0.0001	N/R	0.0000	0.00	0.0000
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	2-Methylpentane	0.0009	N/R	0.0000	0.04	0.0000
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 Harriage 0.0004 N/R 0.0000 0.02 0.0000	3-Methylpentane	0.0017	N/R	0.0010	0.08	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-bestanes 0.0004 N/R 0.0000 0.02 0.0000	C6	0.0031	0.0251			0.0001
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	Methylcyclopentane	0.0022	N/R	0.0010		0.0001
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	Benzene	0.0015	N/R	0.0000	0.06	0.0000
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	Cyclohexane	0.0019	N/R	0.0010		0.0001
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	2-Methylhexane	0.0007	N/R			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	3-Methylhexane	0.0002	N/R			0.0000
1.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0	2-2-4-Trimethylpentane	0.0003	N/R	0.0000		0.0000
0.0047 N/D	i-heptanes	0.0004	N/R			0.0000
	Heptane	0.0017	N/R		0.09	0.0001

982.71	0.6072
0.00	0.0000
0.00	0.0000
0.01	0.0000
0.01	0.0000
0.02	0.0000
0.03	0.0000
0.03	0.0000
0.01	0.0000
0.04	0.0000
0.01	0.0000
0.06	0.0000
0.03	0.0000
0.02	0.0000
0.04	0.0000
0.07	0.0000
0.18	Page 2 of 0.0001
	0.40

^{* @ 14.730} PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

^{**@ 14.730} PSIA & 60 DEG. F.

COMPRESSIBLITY FACTOR	(1/Z):	1.0022	CYLINDER #:	04
BTU/CU.FT IDEAL:		985.0	CYLINDER PRESSURE:	27 PSIG
BTU/CU.FT (DRY) CORRECTED FO	OR (1/Z):	987.2	ANALYSIS DATE:	10/06/2020
BTU/CU.FT (WET) CORRECTED FO	OR (1/Z):	970.0	ANALYIS 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
 INLET
 10/07/2020

 Stn. No.:
 62205-001
 33700-10095

Mtr. No.:

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: 0.0448 0.0317 0.0483 N-Butane: 0.0448 0.0317 0.0483 2.2 dmc3: 0.0000 0.0000 0.1198 I-Pentane: 0.0056 0.0052 0.01160 N-Pentane: 0.0007 0.0001 0.0001 N-Pentane: 0.0001 0.0003 0.0001 V-Pentane: 0.0001 0.0003 0.0001 N-Pentane: 0.0001 0.0003 0.0001 S-Pentane: 0.0001 0.0003 0.0001 S-Pentane: 0.0001 0.0003 0.0001 <	Smpl Date:	10/02/2020	07/10/2020	12/26/2018
Run No: HM200088 HM200063 HM180020 Nitrogen: 0.1173 0.1155 0.0920 CO2: 4.3087 3.9918 4.2055 Methane: 93.8666 94.18441 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 1-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 2-Methylpentane: 0.0009 0.017 0.0010 2-Methylpentane: 0.00017 0.0007 0.0003 3-Methylpertane: 0.0015 0.0006 0.0003 2-Methylhexane: 0.00015 0.0006 0.0003 2-Methylhexane: 0.0001 0.0000 0.0000 <tr< td=""><td>•</td><td></td><td></td><td></td></tr<>	•			
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: 0.0488 0.0317 0.0483 2.2 dmc3: 0.0000 0.0000 0.1198 I-Pentane: 0.00114 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 Cyclopentane: 0.00017 0.0001 0.0003 3-Methylpentane: 0.00017 0.0001 C6: 0.0031 0.0015 0.0015 Methylcyclopentane: 0.00017 0.0001 Cyclohexane: 0.00017 0.0001 Cyclohexane: 0.00017 0.0007 C6: 0.0031 0.0015 0.0016 Methylcyclopentane: 0.00019 0.0015 0.0010 Methylcyclopentane: 0.00019 0.0007 0.0008 Benzene: 0.0015 0.0006 0.0008 Cyclohexane: 0.0019 0.0007 0.0004 2-Methylhexane: 0.00019 0.0007 0.0004 2-Methylhexane: 0.00019 0.0007 0.0004 2-Methylhexane: 0.00019 0.0007 0.0004 2-Methylhexane: 0.00019 0.0007 0.0004 2-Methylhexane: 0.00017 0.0003 0.0000 Cyclohexane: 0.0019 0.0007 0.0004 2-Methylhexane: 0.00017 0.0003 0.0000 Cyclohexane: 0.0019 0.0007 0.0003 Cyclohexane: 0.0019 0.0007 0.0004 2-Methylhexane: 0.00017 0.0003 0.0000 Cyclohexane: 0.0015 0.0006 0.0001 Cyclohexane: 0.0015 0.0006 0.0001 Cyclohexane: 0.0001 0.0000 0.0000 0.0000 Cyclohexane: 0.0001 0.0000 0.0000 0.0000 Cyclohexane: 0.0001 0.0000 0.0000 0.0000 Cyclohexane: 0.0000 0.0000 0.0000 0.0000 Cyclohexane: 0.0000 0.0000 0.0000 0.0000 Cyclohexane: 0.0000 0.0000 0.0000 0.0000 0.0000 Cyclohexane: 0.0000 0.0000 0.0000 0.0000 0.0000 Cyclohexane: 0.0000 0.0000 0.0000 0.0000 0.0000 Cyclohexane: 0.00000 0.0000 0.0000 0.0000 0.0000 Cyclohexane: 0.00000 0.0000 0.0000 0.0000 Cyclo				
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: 0.0488 0.0317 0.0483 2.2 dmc3: 0.0000 0.0000 0.1198 I-Pentane: 0.00114 0.0115 0.0160 N-Pentane: 0.0056 0.0052 0.0104 N-Pentane: 0.0007 0.0001 0.0001 Cyclopentane: 0.0001 0.0003 0.0001 Cyclopentane: 0.0001 0.0003 0.0001 Cyclopentane: 0.0009 0.0017 0.0001 3-Methylpentane: 0.0007 0.0011 0.0003				
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 0.01104 Neohexane: 0.0007 0.0001 0.0001 Cyclopentane: 0.0001 0.0003 0.0001 Cyclopentane: 0.0001 0.0003 0.0001 Cyclopentane: 0.0001 0.0003 0.0001 Cyclopentane: 0.0007 0.0001 0.0003 Cyclopentane: 0.0007 0.0001 0.0003 Cyclopentane: 0.0001 0.0003 0.0001 Cyclopentane: 0.0001 0.0003 0.0001 Cyclopentane: 0.0001 0.0003 0.0001 Cyclopentane: 0.0007 0.0007 0.0003 Cyclopentane: 0.0017 0.0007 0.0003 Cyclopentane: 0.0001 0.0007 0.0003 Cyclopentane: 0.0002 0.0011 0.0008 Benzene: 0.0015 0.0006 0.0003 Cyclopentane: 0.00019 0.0007 0.0003 Cyclopentane: 0.00019 0.0007 0.0004 Cyclopentane: 0.0001 0.0000 0.0000 Cyclopentane: 0.0001 0.0000 0.00000 Cyclopentane: 0.0001 0.0000 0.0000 Cyclopentane: 0.0001 0.0000 0.00000 Cyclopentane: 0.0001 0.0000 0.0000 Cyclopentane: 0.0001 0.0000 0.0000 Cyclopentane: 0.0001 0.0000 0.00000 Cyclopentane: 0.0001 0.0000 0.0000 Cyclopentane: 0.0001 0.0000 0.0000 Cyclopentane:	Nitrogen:			
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I-Butane: 0.0484 0.0384 0.0493 N-Butane: 0.0448 0.0317 0.0483 0.0493 N-Butane: 0.0000 0.0000 0.0000 0.1198 0.0115 0.0160 N-Pentane: 0.0056 0.0052 0.0104 N-Pentane: 0.0007 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0003 0.0001 0.0003 0.0001 0.0003 0.0001 0.0003 0.0001 0.0003 0.0001 0.0003 0.0001 0.0003 0.0001 0.0003 0.0001 0.0007 0.0003 0.0001 0.0007 0.0003 0.0001 0.0007 0.0003 0.0001 0.0001 0.0001 0.0000 0.	Ethane:			
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2.2 dmc3:	I-Butane:	0.0484	0.0384	0.0493
Pentane: 0.0114 0.0115 0.0160	N-Butane:	0.0448	0.0317	0.0483
N-Pentane: 0.0056 0.0052 0.0104 N-Pentane: 0.0007 0.0001 0.0001 2-3- 0.0001 0.0003 0.0001 2-Methylpentane: 0.0009 0.0017 0.0003 3-Methylpentane: 0.0017 0.0007 0.0003 Methylcyclopentane: 0.0022 0.0011 0.0008 Benzene: 0.0015 0.0006 0.0003 Cyclohexane: 0.0015 0.0006 0.0003 Cyclohexane: 0.0019 0.0007 0.0003 Cyclohexane: 0.0019 0.0007 0.0003 3-Methylhexane: 0.0007 0.0003 0.0002 3-Methylhexane: 0.0007 0.0003 0.0002 3-Methylhexane: 0.0001 0.0000 0.0000 2-2-4 0.0003 0.0000 0.0000 1-heptanes: 0.0004 0.0002 0.0001 Heptane: 0.0004 0.0002 0.0001 Heptane: 0.00017 0.0010 0.0005 Methylcyclohexane: 0.00017 0.0010 0.0005 Tolluene: 0.0015 0.0010 0.0005 2-Methylheptane: 0.00015 0.0010 0.0005 Methylheptane: 0.00015 0.0010 0.0005 Methylpetane: 0.00015 0.0010 0.0004 1-Octanes: 0.0005 0.0002 0.0001 1-Octanes: 0.0005 0.0002 0.0001 1-Octanes: 0.0005 0.0002 0.0003 Octane: 0.0001 0.0006 0.0004 Ethylbenzene: 0.0001 0.0006 0.0004 Ethylbenzene: 0.0001 0.0006 0.0004 Ethylbenzene: 0.0001 0.0006 0.0004 Ethylbenzene: 0.0001 0.0001 0.0000 The p Xylene: 0.0001 0.0001 0.0000 The C10: 0.0003 0.0002 0.0000 C10: 0.0003 0.0000 0.0000 T1: 0.0001 0.0000 0.0000 T1: 0.0000 0.0000 0.0000 T1: 0.0000 0.0000 0.0000 0.0000 T1: 0.0001 0.0000 0.0000 0.0000	2.2 dmc3:	0.0000	0.0000	0.1198
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 0.0007 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 0.0003 2-Methylhexane: 0.00019 0.0007 0.0003 3-Methylhexane: 0.0001 0.0000 0.0000 2-Methylhexane: 0.0001 0.0000 0.0000 3-Methylhexane: 0.0001 0.0000 0.0000 3-Methylhexane: 0.0001 0.0000 0.0000 1-heptanes: 0.0004 0.0002 0.0001 1-heptane: 0.0007 0.0010 0.0005 Methylcyclohexane: 0.00017 0.0010 0.0005 Methylkeyclohexane: 0.00015 0.0010 0.0005 Toluene: 0.0015 0.0010 0.0004 2-Methylheptane: 0.0005 0.0017 0.0010 Toluene: 0.0015 0.0010 0.0004 1-Octanes: 0.0005 0.0002 0.0001 1-Octanes: 0.0005 0.0002 0.0001 Ethylbenzene: 0.0001 0.0006 0.0004 Ethylbenzene: 0.0001 0.0006 0.0004 Ethylbenzene: 0.0001 0.0001 0.0000 Ctane: 0.0001 0.0001 0.0001 0.0000 Ctane: 0.0001 0.0001 0.0001 0.0000 Ctane: 0.0001 0.0001 0.0000 Ctane: 0.0001 0.0001 0.0000 Ctane: 0.0001 0.0001 0.0000 Ctol: 0.0004 0.0002 0.0002 Ctol: 0.0004 0.0002 0.0002 Ctol: 0.00004 0.0002 0.0000 Ctol: 0.00004 0.00002 0.0000 Ctol: 0.00004 0.0000 0.0000 Ctol: 0.00004 0.0000 0.0000 Ctol: 0.00004 0.0000 0.0000 Ctol: 0.00001 0.0000 0.0000 0.0000	I-Pentane:	0.0114	0.0115	0.0160
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: 0.0001 0.0000 0.0000 2-Methylhexane: 0.0001 0.0000 0.0001 3-Methylcyclohexane: 0.0004 0.0002 0.0001 4-parae: 0.0004 0.0002 0.0001 4-parae: 0.0004 0.0002 0.0001 4-methylcyclohexane: 0.0015 0.0010 0.0005 5-Methylheptane: 0.00015 0.0010 0.0004 4-Methylheptane: 0.0005 0.0002		0.0056	0.0052	0.0104
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: 0.0017 0.0010 0.0005 Methylkcyclohexane: 0.00015 0.0010 0.0005 Methylkpetane: 0.00015 0.0010 0.0005 Methylheptane: 0.0015 0.0010 0.0005 I-heptane: 0.00015 0.0010 0.0005 Methylheptane: 0.00015 0.0010 0.0004 I-Heptane: 0.00015 0.0010 0.0004 I-Heptane: 0.00015 0.0010 0.0004 I-Heptane: 0.0001 0.0001 0.0004 I-Heptane: 0.0001 0.0001 0.0004 I-Heptane: 0.0001 0.0001 0.0000 I-Heptane: 0.0001 0.0001 0.0000 I-Heptane: 0.0001 0.0001 0.0000 I-Heptane: 0.0001 0.0001 0.0000 I-Heptane: 0.0001 0.0002 0.0001 I-Heptane: 0.0001 0.0001 0.0000 I-Cotanes: 0.0001 0.0001 0.0000 I-Cotane: 0.0001 0.0000 0.0000 0.0000		0.0007	0.0001	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 0.0003 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: 0.0017 0.0010 0.0005 Methylcyclohexane: 0.0015 0.0010 0.0005 Methylheptane: 0.0015 0.0010 0.0005 Toluene: 0.0015 0.0010 0.0004 2-Methylheptane: 0.0007 0.0003 0.0003 4-Methylheptane: 0.0007 0.0003 0.0003 4-Methylheptane: 0.0007 0.0003 0.0003 Ctane: 0.0005 0.0002 0.0001 i-Octanes: 0.0005 0.0002 0.0001 Ethylbenzene: 0.0001 0.0006 0.0004 Ethylbenzene: 0.0001 0.0006 0.0004 Ethylbenzene: 0.0001 0.0006 0.0004 Ctane: 0.0001 0.0001 0.0000 m, p Xylene: 0.0007 0.0004 0.0002 0.0003 o Xylene (& 2,2,4 0.0001 0.0001 0.0000 m, p Xylene: 0.0007 0.0004 0.0002 0.0000 C9: 0.0004 0.0002 0.0002 C9: 0.0004 0.0002 0.0002 C9: 0.0004 0.0002 0.0000 C10: 0.0004 0.0002 0.0000 C10: 0.0001 0.0001 0.0000 C10: 0.0001 0.0000 0.0000 ETU: 0.0000 0.0000 0.0000 BTU: 987.2 989.6 993.1 GPM: 17.1640 17.1620 17.1570	2-3-	0.0001	0.0003	0.0001
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 0.0002 0.0002 0.0002 0.0001 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0001 0.0000 0.0000 0.0001 0.0000 0.0000 0.0001 0.0001 0.0005 Methylcyclohexane: 0.0017 0.0010 0.0005 Methylcyclohexane: 0.0015 0.0010 0.0005 0.0001 0.0001 0.0005 0.0001 0.0001 0.0005 0.0001 0.0001 0.0001 0.0004 0.0002 0.0001 0.0001 0.0004 0.0002 0.0001 0.0001 0.0004 0.0002 0.0001 0.0003 0.0002 0.0001 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0	Cyclopentane:	0.0001	0.0003	0.0001
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: 0.0001 0.0000 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 Methylkpetane: 0.00015 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 0.0006 0.0004 m, p Xylene: 0.0001 0.0001 0.0001 <td>2-Methylpentane:</td> <td>0.0009</td> <td>0.0017</td> <td>0.0010</td>	2-Methylpentane:	0.0009	0.0017	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: 0.0001 0.0000 0.0000 3-Methylhexane: 0.0001 0.0000 0.0000 2-2-4- 0.0003 0.0000 0.0001 4-heptanes: 0.0004 0.0002 0.0001 Heptane: 0.0017 0.0010 0.0005 Methylcyclohexane: 0.0035 0.0017 0.0010 Methylkpitane: 0.0005 0.0010 0.0004 2-Methylheptane: 0.0007 0.0003 0.0003 4-Methylheptane: 0.0004 0.0002 0.0001 4-Methylheptane: 0.0004 0.0002 0.0001 Octanes: 0.0005 0.0002 0.0003 Octane: 0.0010 0.0006 0.0004 Ethylbenzene: 0.0001 0.0006 0.0004 Ethylbenzene: 0.0001 0.0004 <t< td=""><td>* *</td><td>0.0017</td><td>0.0007</td><td>0.0003</td></t<>	* *	0.0017	0.0007	0.0003
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 2-Methylheptane: 0.0007 0.0003 0.0003 4-Methylheptane: 0.0007 0.0003 0.0003 4-Methylheptane: 0.0004 0.0002 0.0001 i-Octanes: 0.0004 0.0002 0.0003 Octane: 0.0010 0.0006 0.0003 Ethylbenzene: 0.0001 0.0006 0.0004 Ethylbenzene: 0.0001 0.0001 0.0000 o Xylene (& 2,2,4 0.0001 0.0004 0.0002 C9: 0.0004 0.0002 0.0002 <td></td> <td>0.0031</td> <td>0.0015</td> <td>0.0010</td>		0.0031	0.0015	0.0010
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 2-Methylheptane: 0.0005 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 0.0006 0.0004 Ethylene: 0.0001 0.0004 0.0002 0.Xylene (& 2,2,4 0.0001 0.0004 0.0002 C9: 0.0004 0.0002 0.0002 i-C10: 0.0004 0.0002 0.0002		0.0022	0.0011	0.0008
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: 0.0007 0.0003 0.0003 4-Methylheptane: 0.0004 0.0002 0.0001 i-Octanes: 0.0005 0.0002 0.0001 i-Octanes: 0.0005 0.0002 0.0003 Octane: 0.0010 0.0006 0.0004 Ethylbenzene: 0.0001 0.0006 0.0004 Ethylbenzene: 0.0001 0.0001 0.0000 m, p Xylene: 0.0001 0.0001 0.0000 m, p Xylene: 0.0007 0.0004 0.0003 o Xylene (& 2,2,4 0.0001 0.0001 0.0001 i-C9: 0.0004 0.0002 0.0002 i-C10: 0.0004 0.0002 0.0002 i-C10: 0.0004 0.0002 0.0002 i-C10: 0.0004 0.0002 0.0002 i-C11: 0.0001 0.0001 0.0001 0.0000 C12P: 0.0000 0.0000 0.0000 BTU: 987.2 989.6 993.1 GPM: 17.1640 17.1620 17.1570		0.0015	0.0006	0.0003
3-Methylhexane: 0.0001 0.0000 0.0000 0.2-2-4- 0.0003 0.0000 0.00001 i-heptanes: 0.0004 0.0002 0.0001 i-heptanes: 0.00017 0.0010 0.0005 Methylcyclohexane: 0.0035 0.0017 0.0010 0.0005 0.0001 0.0001 0.0004 0.0002 0.0001 0.0004 0.0002 0.0001 0.0004 0.0003 0.0003 0.0003 0.0003 0.0003 0.0003 0.0003 0.0003 0.0003 0.0003 0.0003 0.0005 0.0002 0.0001 0.0004 0.0002 0.0001 0.0006 0.0004 0.0002 0.0001 0.0006 0.0004 0.0002 0.0003 0.0003 0.0003 0.0003 0.0003 0.0003 0.0003 0.0003 0.0003 0.0003 0.0003 0.0002 0.0003 0.0003 0.0002 0.0003 0.0004 0.0001 0.0001 0.0000 0.	•	0.0019	0.0007	0.0004
2-2-4- i-heptanes: 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 0.0004 2-Methylheptane: 0.0007 0.0003 0.0003 4-Methylheptane: 0.0004 0.0002 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 0.0006 0.0004 Ethylbenzene: 0.0001 0.0001 0.0000 m, p Xylene: 0.0007 0.0004 0.0001 0.0000 0 Xylene (& 2,2,4 0.0001 0.0001 0.0002 0.0002 0.0002 0.0003 0 Xylene (& 2,2,4 0.0001 0.0001 0.0001 0.0000 i-C9: 0.0004 0.0002 0.0002 0.0002 i-C10: 0.0004 0.0002 0.0002 0.0002 i-C10: 0.0003 0.0002 0.00002 0.0000 C10: 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0000 0.0000 0.0000 BTU: 987.2 989.6 993.1 GPM: SPC:	•	0.0007	0.0003	0.0002
i-heptanes: 0.0003 0.00001 Heptane: 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 0.0006 0.0004 Ethylbenzene: 0.0001 0.0001 0.0000 m, p Xylene: 0.0001 0.0001 0.0000 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 C9: 0.0004 0.0002 0.0002 C10: 0.0003 0.0002 0.0000 C10: 0.0003 0.0002 0.0000 C10: 0.0001 0.0001 0.0001 C11: 0.0001 0.0001 0.0001 C11: 0.0000 0.0000 ETU: 987.2 989.6 993.1 GPM: 17.1640 17.1620 17.1570		0.0001	0.0000	0.0000
Heptane: 0.0004 0.0002 0.0001 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 0.0006 0.0004 im, p Xylene: 0.0001 0.0001 0.0000 m, p 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 C9: 0.0004 0.0002 0.0002 C10: 0.0003 0.0002 0.0002 C10: 0.0003 0.0002 0.0000 C11: 0.0001 0.0001 0.0001 C11: 0.0001 0.0000 0.0000 ETU: 987.2 989.6 993.1 GPM: 9PC:		0.0003	0.0000	0.0001
Methylcyclohexane: 0.0017 0.0016 0.0008 Toluene: 0.0035 0.0017 0.0010 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 0.0004 0.0003 i-C9: 0.0004 0.0002 0.0002 C9: 0.0004 0.0002 0.0002 i-C10: 0.0004 0.0002 0.0002 C10: 0.0003 0.0002 0.0000 C10: 0.0001 0.0001 0.0001 i-C11: 0.0001 0.0001 0.0001 C11: 0.0001 0.0000 0.0000 C12P: 0.0000 0.0000 0.0000 BTU:	•	0.0004	0.0002	0.0001
Toluene: 0.003\$ 0.0017 0.0010 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 0.0006 0.0004 m, p Xylene: 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 C9: 0.0004 0.0002 0.0002 i-C10: 0.0003 0.0002 0.0000 C10: 0.0003 0.0002 0.0000 C10: 0.0001 0.0001 0.0001 i-C11: 0.0001 0.0001 0.0001 C11: 0.0001 0.0000 0.0000 ETU: 987.2 989.6 993.1 GPM: 17.1640 17.1620 17.1570	•	0.0017	0.0010	0.0005
2-Methylheptane: 0.0015 0.0004 4-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 0.0002 c10: 0.0003 0.0002 0.0000 C10: 0.0001 0.0001 0.0001 i-C11: 0.0001 0.0001 0.0001 C11: 0.0001 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		0.0035	0.0017	0.0010
4-Methylheptane: 0.0007 0.0003 0.0003 1.0003 1.0003 1.0003 1.0003 1.0003 1.0003 1.0003 1.0003 1.0003 1.0003 1.0003 1.0003 1.00003 1.00003 1.00003 1.00004 1.00004 1.00001 1.00000 1.00001 1.00000 1.00003 1.00001 1.00001 1.00000 1.00001 1.00000 1.00001 1.00000 1.00002 1.00002 1.00002 1.00002 1.00002 1.00002 1.00003 1.00002 1.00002 1.00003 1.00002 1.00003 1.00002 1.00003 1.00002 1.00000 1.00001 1.000000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.0		0.0015	0.0010	0.0004
i-Octanes: 0.0004 0.0002 0.0001 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 0.0001 0.0001 C11: 0.0001 0.0000 0.0000 C12P: 0.0000 0.0000 BTU: 987.2 989.6 993.1 GPM: 17.1640 17.1620 17.1570		0.0007	0.0003	0.0003
Octane: 0.0005 0.0002 0.0003 Ethylbenzene: 0.0001 0.0006 0.0004 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 0.0002 c10: 0.0003 0.0002 0.0000 c10: 0.0001 0.0001 0.0001 i-C11: 0.0001 0.0001 0.0001 C11: 0.0001 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		0.0004	0.0002	0.0001
Ethylbenzene: 0.0010 0.0006 0.0004 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 i-C10: 0.0003 0.0002 0.0002 c10: 0.0001 0.0001 0.0001 i-C11: 0.0001 0.0001 0.0001 C11: 0.0001 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		0.0005	0.0002	0.0003
m, p Xylene: 0.0001 0.0001 0.0000 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 0.0001 0.0001 C11: 0.0001 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		0.0010	0.0006	0.0004
o Xylene (& 2,2,4 0.0007 0.0004 0.0003 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	•	0.0001	0.0001	0.0000
i-C9: 0.0001 0.0001 0.0000 0.0000 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0000 0.0000 0.0000 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0000 0.0		0.0007	0.0004	0.0003
i-C9: 0.0004 0.0002 0.0002 0.0002 (C9: 0.0004 0.0002 0.0002 0.0002 i-C10: 0.0003 0.0002 0.0000 (C10: 0.0001 0.0001 0.0001 0.0001 i-C11: 0.0001 0.0000 0.0000 0.0000 (C12P: 0.0000		0.0001	0.0001	0.0000
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GPM: 17.1640 17.1620 17.1570	D.T. (0.0000
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0.6083 0.6047 0.6101	· · · · · ·	17.1640	17.1620	17.1570
	oru.	0.6083	0.6047	0.6101

Continuous Sampler Beginning	Struddle Date: Ending Date of Date 1012	ate Pulled:
Run Number:	Operator Code:	Line PSIG:
Cylinder Number:	Type Sample:	Flow Temp.:
Remarks:		
33700 - 1	0095 h	M Joon 88
		(505) 419 - 6097

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	

<u>District I</u> 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

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:	OGRID:
Harvest Four Corners, LLC	373888
1111 Travis Street	Action Number:
Houston, TX 77002	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 addional 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.	
The operator shall file a form C-141 instead of a form C-129 for a release that includes liquid during very	nting or flaring that is or may be a major or minor release under	
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 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 (C02) percentage, if greater than one percent	4	
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	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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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

CONDITIONS

Action 34604

CONDITIONS

Operator:	OGRID:
Harvest Four Corners, LLC	373888
1111 Travis Street	Action Number:
Houston, TX 77002	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