

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

Analysis No: HM20220113 Cust No: 33700-10325

Well/Lease Information

Customer Name: HARVEST MIDSTREAM

Well Name: Middle Mesa CDP

County/State: San Juan NM

Location: Lease/PA/CA: Formation: Cust. Stn. No.: Source: Dehy Inlet

Well Flowing:

Pressure: 385 PSIG
Flow Temp: 86 DEG. F
Ambient Temp: 43 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill

Sample Date: 11/29/2022
Sample Time: 1.00 PM
Sampled By: Daniel Lovato

Sampled by (CO): Harvest

Heat Trace:

Remarks: Calculated Molecular Weight: 19.0515

Analysis

Neopentane 2,2 dmc3	Component:	Mole%:	Unormalized %:	**GPM:	*BTU:	*SP Gravity:
Methane 88.5168 86.7565 15.0380 894.02 0.4903 Ethane 2.0495 2.0087 0.5490 36.27 0.0213 Propane 0.6843 0.6707 0.1890 17.22 0.0104 Iso-Butane 0.1100 0.1078 0.0360 3.58 0.0022 N-Butane 0.1512 0.1482 0.0480 4.93 0.0030 Neopentane 2,2 dmc3 0.0000 0.0000 0.0000 0.000 0.000 0.000 I-Pentane 0.0477 0.0468 0.0180 1.91 0.0012 N-Pentane 0.0363 0.0356 0.0130 1.46 0.0009 Neohexane 0.0013 N/R 0.0010 0.06 0.0000 2-3-Dimethylbutane 0.0014 N/R 0.0010 0.06 0.0000 2-4-Bethylpentane 0.0015 N/R 0.0000 0.06 0.0000 2-Methylpentane 0.0033 N/R 0.0040 0.45 0.003 3-Methylpent	Nitrogen	0.1104	0.1082	0.0120	0.00	0.0011
Ethane 2.0495 2.0087 0.5490 36.27 0.0213 Propane 0.6843 0.6707 0.1890 17.22 0.0104 Iso-Butane 0.1100 0.1078 0.0360 3.58 0.0022 N-Butane 0.1512 0.1482 0.0480 4.93 0.0030 Neopentane 2,2 dmc3 0.0000 0.0000 0.0000 0.00 0.000 I-Pentane 0.0477 0.0468 0.0180 1.91 0.0012 N-Pentane 0.0363 0.0356 0.0130 1.46 0.0009 Neohexane 0.0013 N/R 0.0010 0.06 0.000 Cyclopentane 0.0014 N/R 0.0010 0.07 0.0000 Cyclopentane 0.0015 N/R 0.0000 0.06 0.0000 2-Methylpentane 0.0095 N/R 0.0040 0.45 0.0003 3-Methylpentane 0.0033 N/R 0.0010 0.16 0.0001 C6 0.0115 0.0713 0.0050 0.55 0.0003 Methylcyclopentane 0.0086 N/R 0.0030 0.39 0.0002 Benzene 0.0011 N/R 0.0000 0.04 0.000 Cyclohexane 0.0050 N/R 0.0000 0.04 0.0000 Cyclohexane 0.0050 N/R 0.0000 0.04 0.0000 Cyclohexane 0.0050 N/R 0.0000 0.000 0.000 Cyclohexane 0.0011 N/R 0.0000 0.02 0.22 0.0001 Cyclohexane 0.0012 N/R 0.0010 0.07 0.0000 Cyclohexane 0.0017 N/R 0.0010 0.00 0.00 0.000 Cyclohexane 0.0017 N/R 0.0010 0.003 0.0000 Cyclohexane 0.0017 N/R 0.0010 0.005 0.0000	CO2	8.2210	8.0575	1.4060	0.00	0.1249
Propane 0.6843 0.6707 0.1890 17.22 0.0104 Iso-Butane 0.1100 0.1078 0.0360 3.58 0.0022 N-Butane 0.1512 0.1482 0.0480 4.93 0.0030 Neopentane 2,2 dmc3 0.0000 0.0000 0.0000 0.0000 0.0000 I-Pentane 0.0477 0.0468 0.0180 1.91 0.0012 N-Pentane 0.0363 0.0356 0.0130 1.46 0.0009 Neohexane 0.0013 N/R 0.0010 0.06 0.0000 2-3-Dimethylbutane 0.0014 N/R 0.0010 0.06 0.0000 2-3-Dimethylbutane 0.0014 N/R 0.0010 0.07 0.0000 2-3-Dimethylbutane 0.0015 N/R 0.0010 0.07 0.0000 2-Yelpothatne 0.0015 N/R 0.0000 0.06 0.0000 2-Methylpentane 0.0033 N/R 0.0010 0.16 0.0001 Cyclohexane	Methane	88.5168	86.7565	15.0380	894.02	0.4903
Iso-Butane	Ethane	2.0495	2.0087	0.5490	36.27	0.0213
N-Butane 0.1512 0.1482 0.0480 4.93 0.0030 Neopentane 2,2 dmc3 0.0000 0.0000 0.0000 0.0000 0.0000 I-Pentane 0.0477 0.0468 0.0180 1.91 0.0012 N-Pentane 0.0363 0.0356 0.0130 1.46 0.0009 Neohexane 0.0013 N/R 0.0010 0.06 0.0000 2-3-Dimethylbutane 0.0014 N/R 0.0010 0.07 0.0000 Cyclopentane 0.0015 N/R 0.0000 0.06 0.0000 2-Methylpentane 0.0095 N/R 0.0040 0.45 0.0003 3-Methylpentane 0.0033 N/R 0.0010 0.16 0.0001 C6 0.0115 0.0713 0.0050 0.55 0.0003 Methylcyclopentane 0.0086 N/R 0.0030 0.39 0.0002 Benzene 0.0011 N/R 0.0000 0.04 0.0000 Cyclohexane 0.0050 N/R 0.0000 0.04 0.0000 Cyclohexane 0.0050 N/R 0.0000 0.04 0.0000 Cyclohexane 0.0012 N/R 0.0010 0.07 0.0000 3-Methylhexane 0.0017 N/R 0.0010 0.09 0.0001 2-2-2-4-Trimethylpentane 0.0005 N/R 0.0000 0.03 0.0000 i-heptanes 0.0017 N/R 0.0000 0.03 0.0000 i-heptanes 0.0017 N/R 0.0000 0.03 0.0000	Propane	0.6843	0.6707	0.1890	17.22	0.0104
Neopentane 2,2 dmc3	Iso-Butane	0.1100	0.1078	0.0360	3.58	0.0022
I-Pentane 0.0477 0.0468 0.0180 1.91 0.0012 N-Pentane 0.0363 0.0356 0.0130 1.46 0.0009 Neohexane 0.0013 N/R 0.0010 0.06 0.0000 2-3-Dimethylbutane 0.0014 N/R 0.0010 0.07 0.0000 Cyclopentane 0.0015 N/R 0.0000 0.06 0.0000 2-Methylpentane 0.0095 N/R 0.0040 0.45 0.0003 3-Methylpentane 0.0033 N/R 0.0010 0.16 0.0001 C6 0.0115 0.0713 0.0050 0.55 0.0003 Methylcyclopentane 0.0086 N/R 0.0030 0.39 0.0002 Benzene 0.0011 N/R 0.0000 0.04 0.0000 Cyclohexane 0.0050 N/R 0.0000 0.04 0.0000 Cyclohexane 0.0012 N/R 0.0010 0.07 0.0000 3-Methylhexane 0.0017 N/R 0.0010 0.09 0.0001 2-2-4-Trimethylpentane 0.0005 N/R 0.0000 0.03 0.0000 i-heptanes 0.0017 N/R 0.0000 0.03 0.0000	N-Butane	0.1512	0.1482	0.0480	4.93	0.0030
N-Pentane 0.0363 0.0356 0.0130 1.46 0.0009 Neohexane 0.0013 N/R 0.0010 0.06 0.0000 2-3-Dimethylbutane 0.0014 N/R 0.0010 0.07 0.0000 Cyclopentane 0.0015 N/R 0.0000 0.06 0.0000 2-Methylpentane 0.0095 N/R 0.0040 0.45 0.0003 3-Methylpentane 0.0033 N/R 0.0010 0.16 0.0001 C6 0.0115 0.0713 0.0050 0.55 0.0003 Methylcyclopentane 0.0086 N/R 0.0030 0.39 0.0002 Benzene 0.0011 N/R 0.0000 0.04 0.0000 Cyclohexane 0.0050 N/R 0.0020 0.22 0.0001 2-Methylhexane 0.0012 N/R 0.0010 0.07 0.0000 3-Methylpentane 0.0017 N/R 0.0010 0.09 0.0001 2-2-4-Trimethylpentane 0.0005 N/R 0.0000 0.03 0.0000 i-heptanes 0.0017 N/R 0.0000 0.03 0.0000	Neopentane 2,2 dmc3	0.0000	0.0000	0.0000	0.00	0.0000
Neohexane 0.0013 N/R 0.0010 0.06 0.0000 2-3-Dimethylbutane 0.0014 N/R 0.0010 0.07 0.0000 Cyclopentane 0.0015 N/R 0.0000 0.06 0.0000 2-Methylpentane 0.0095 N/R 0.0040 0.45 0.0003 3-Methylpentane 0.0033 N/R 0.0010 0.16 0.0001 C6 0.0115 0.0713 0.0050 0.55 0.0003 Methylcyclopentane 0.0086 N/R 0.0030 0.39 0.0002 Benzene 0.0011 N/R 0.0000 0.04 0.0000 Cyclohexane 0.0050 N/R 0.0020 0.22 0.0001 2-Methylhexane 0.0012 N/R 0.0010 0.09 0.0001 2-2-4-Trimethylpentane 0.0010 N/R 0.0000 0.03 0.0000 I-beptanes 0.0010 N/R 0.0000 0.05 0.0000	I-Pentane	0.0477	0.0468	0.0180	1.91	0.0012
2-3-Dimethylbutane	N-Pentane	0.0363	0.0356	0.0130	1.46	0.0009
Cyclopentane 0.0015 N/R 0.0000 0.06 0.0000 2-Methylpentane 0.0095 N/R 0.0040 0.45 0.0003 3-Methylpentane 0.0033 N/R 0.0010 0.16 0.0001 C6 0.0115 0.0713 0.0050 0.55 0.0003 Methylcyclopentane 0.0086 N/R 0.0030 0.39 0.0002 Benzene 0.0011 N/R 0.0000 0.04 0.0000 Cyclohexane 0.0050 N/R 0.0020 0.22 0.0001 2-Methylhexane 0.0012 N/R 0.0010 0.07 0.0000 3-Methylhexane 0.0017 N/R 0.0010 0.09 0.0001 2-2-4-Trimethylpentane 0.0005 N/R 0.0000 0.03 0.0000 I-betates 0.0010 N/R 0.0000 0.05 0.0000	Neohexane	0.0013	N/R	0.0010	0.06	0.0000
2-Methylpentane 0.0095 N/R 0.0040 0.45 0.0003 3-Methylpentane 0.0033 N/R 0.0010 0.16 0.0001 C6 0.0115 0.0713 0.0050 0.55 0.0003 Methylcyclopentane 0.0086 N/R 0.0030 0.39 0.0002 Benzene 0.0011 N/R 0.0000 0.04 0.0000 Cyclohexane 0.0050 N/R 0.0020 0.22 0.0001 2-Methylhexane 0.0012 N/R 0.0010 0.07 0.0000 3-Methylhexane 0.0017 N/R 0.0010 0.09 0.0001 2-2-4-Trimethylpentane 0.0005 N/R 0.0000 0.03 0.0000 i-heptanes 0.0010 N/R 0.0000 0.05 0.0000	2-3-Dimethylbutane	0.0014	N/R	0.0010	0.07	0.0000
3-Methylpentane 0.0033 N/R 0.0010 0.16 0.0001 C6 0.0115 0.0713 0.0050 0.55 0.0003 Methylcyclopentane 0.0086 N/R 0.0030 0.39 0.0002 Benzene 0.0011 N/R 0.0000 0.04 0.0000 Cyclohexane 0.0050 N/R 0.0020 0.22 0.0001 2-Methylhexane 0.0012 N/R 0.0010 0.07 0.0000 3-Methylhexane 0.0017 N/R 0.0010 0.09 0.0001 2-2-4-Trimethylpentane 0.0005 N/R 0.0000 0.03 0.0000 i-heptanes 0.0010 N/R 0.0000 0.05 0.0000	Cyclopentane	0.0015	N/R	0.0000	0.06	0.0000
3-Methylpentane 0.0033 N/R 0.0010 0.16 0.0001 C6 0.0115 0.0713 0.0050 0.55 0.0003 Methylcyclopentane 0.0086 N/R 0.0030 0.39 0.0002 Benzene 0.0011 N/R 0.0000 0.04 0.0000 Cyclohexane 0.0050 N/R 0.0020 0.22 0.0001 2-Methylhexane 0.0012 N/R 0.0010 0.07 0.0000 3-Methylhexane 0.0017 N/R 0.0010 0.09 0.0001 2-2-4-Trimethylpentane 0.0005 N/R 0.0000 0.03 0.0000 i-heptanes 0.0010 N/R 0.0000 0.05 0.0000	2-Methylpentane	0.0095	N/R	0.0040	0.45	0.0003
C6 0.0115 0.0713 0.0050 0.55 0.0003 Methylcyclopentane 0.0086 N/R 0.0030 0.39 0.0002 Benzene 0.0011 N/R 0.0000 0.04 0.0000 Cyclohexane 0.0050 N/R 0.0020 0.22 0.0001 2-Methylhexane 0.0012 N/R 0.0010 0.07 0.0000 3-Methylhexane 0.0017 N/R 0.0010 0.09 0.0001 2-2-4-Trimethylpentane 0.0010 N/R 0.0000 0.03 0.0000 I-beptanes 0.0010 N/R 0.0000 0.05 0.0000	3-Methylpentane	0.0033	N/R	0.0010		0.0001
Methylcyclopentane 0.0086 N/R 0.0030 0.39 0.0002 Benzene 0.0011 N/R 0.0000 0.04 0.0000 Cyclohexane 0.0050 N/R 0.0020 0.22 0.0001 2-Methylhexane 0.0012 N/R 0.0010 0.07 0.0000 3-Methylhexane 0.0017 N/R 0.0010 0.09 0.0001 2-2-4-Trimethylpentane 0.0005 N/R 0.0000 0.03 0.0000 I-beptanes 0.0010 N/R 0.0000 0.05 0.0000	C6	0.0115	0.0713			0.0003
Cyclohexane 0.0050 N/R 0.0020 0.22 0.0001 2-Methylhexane 0.0012 N/R 0.0010 0.07 0.0000 3-Methylhexane 0.0017 N/R 0.0010 0.09 0.0001 2-2-4-Trimethylpentane 0.0005 N/R 0.0000 0.03 0.0000 i-heptanes 0.0010 N/R 0.0000 0.05 0.0000	Methylcyclopentane	0.0086	N/R			0.0002
Cyclohexane 0.0050 N/R 0.0020 0.22 0.0001 2-Methylhexane 0.0012 N/R 0.0010 0.07 0.0000 3-Methylhexane 0.0017 N/R 0.0010 0.09 0.0001 2-2-4-Trimethylpentane 0.0005 N/R 0.0000 0.03 0.0000 i-heptanes 0.0010 N/R 0.0000 0.05 0.0000	Benzene	0.0011	N/R	0.0000	0.04	0.0000
2-Methylhexane 0.0012 N/R 0.0010 0.07 0.0000 3-Methylhexane 0.0017 N/R 0.0010 0.09 0.0001 2-2-4-Trimethylpentane 0.0005 N/R 0.0000 0.03 0.0000 i-heptanes 0.0010 N/R 0.0000 0.05 0.0000	Cyclohexane	0.0050	N/R			0.0001
3-Methylhexane 0.0017 N/R 0.0010 0.09 0.0001 2-2-4-Trimethylpentane 0.0005 N/R 0.0000 0.03 0.0000 i-heptanes 0.0010 N/R 0.0000 0.05 0.0000	2-Methylhexane	0.0012	N/R	0.0010		0.0000
2-2-4-Trimethylpentane 0.0005 N/R 0.0000 0.03 0.0000 i-heptanes 0.0010 N/R 0.0000 0.05 0.0000	3-Methylhexane	0.0017	N/R			0.0001
i-heptanes 0.0010 N/R 0.0000 0.05 0.0000	2-2-4-Trimethylpentane	0.0005	N/R			0.0000
0.0047 N/D	i-heptanes	0.0010	N/R			0.0000
	Heptane	0.0047	N/R	0.0020	0.26	0.0002

Received by OCD: 1/3/2023 8:53 Methylcyclohexane	0.0102	N/R	0.0040	0.53	Page 2 of 11 0.0003
Toluene	0.0032	N/R	0.0040	0.14	0.0003
2-Methylheptane	0.0016	N/R	0.0010	0.10	0.0001
4-Methylheptane	0.0007	N/R	0.0000	0.04	0.0000
i-Octanes	0.0008	N/R	0.0000	0.05	0.0000
Octane	0.0019	N/R	0.0010	0.12	0.0001
Ethylbenzene	0.0001	N/R	0.0000	0.01	0.0000
m, p Xylene	0.0012	N/R	0.0000	0.06	0.0000
o Xylene (& 2,2,4 tmc7)	0.0001	N/R	0.0000	0.01	0.0000
i-C9	0.0002	N/R	0.0000	0.01	0.0000
C9	0.0004	N/R	0.0000	0.03	0.0000
i-C10	0.0002	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	0.0001	N/R	0.0000	0.01	0.0000
C12P	0.0001	N/R	0.0000	0.01	0.0000
Total	100.00	98.011	17.337	963.01	0.6576

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

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

COMPRESSIBLITY FACTOR	(1/Z):	1.0024	CYLINDER #:	15
BTU/CU.FT IDEAL:		965.2	CYLINDER PRESSURE:	366 PSIG
BTU/CU.FT (DRY) CORRECTED FO	OR (1/Z):	967.5	ANALYSIS DATE:	11/29/2022
BTU/CU.FT (WET) CORRECTED FO	OR (1/Z):	950.7	ANALYIS TIME:	12:50:08 PM
DRY BTU @ 15.025:		986.9	ANALYSIS RUN BY:	ELAINE MORRISON
REAL SPECIFIC GRAVITY:		0.6589		

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: 12/01/2022

GC Method: C12+BTEX Gas



HARVEST MIDSTREAM WELL ANALYSIS COMPARISON

 Lease:
 Middle Mesa CDP
 Dehy Inlet
 12/01/2022

 Stn. No.:
 33700-10325

Mtr. No.:

Smpl Date:	11/29/2022	05/03/2022	11/02/2021	05/05/2021	03/19/2021	03/11/2021	03/02/2021
Test Date:	11/29/2022	05/09/2022	11/11/2021	05/07/2021	03/24/2021	03/12/2021	03/03/2021
Run No:	HM20220113	HM20220045	HM2021096	HM2021048	HM2021016	HM2021014	HM210010
Nitrogen:	0.1104	0.1143	0.3710	0.1166	0.0957	0.0900	0.0906
CO2:	8.2210	8.0542	10.0312	10.2854	11.2308	10.7938	10.5864
Methane:	88.5168	88.1362	85.3490	84.9532	85.4021	85.4235	85.6900
Ethane:	2.0495	2.3655	2.6976	2.7517	2.1313	2.3951	2.3291
Propane:	0.6843	0.8293	0.9435	1.2540	0.7089	0.8173	0.7877
I-Butane:	0.1100	0.1353	0.1610	0.1686	0.1125	0.1256	0.1466
N-Butane:	0.1512	0.1741	0.2116	0.2291	0.1449	0.1669	0.1864
2,2 dmc3:	0.0000	0.0000	0.0000	0.0019	0.0000	0.0000	0.0000
I-Pentane:	0.0477	0.0576	0.0695	0.0810	0.0513	0.0586	0.0528
N-Pentane:	0.0363	0.0421	0.0512	0.0579	0.0386	0.0444	0.0369
Neohexane:	0.0013	0.0016	0.0020	0.0020	0.0017	0.0015	0.0014
2-3-	0.0014	0.0017	0.0023	0.0022	0.0017	0.0017	0.0018
Cyclopentane:	0.0015	0.0018	0.0024	0.0023	0.0017	0.0018	0.0019
2-Methylpentane:	0.0095	0.0116	0.0155	0.0147	0.0113	0.0114	0.0120
3-Methylpentane:	0.0033	0.0040	0.0063	0.0052	0.0039	0.0039	0.0045
C6:	0.0115	0.0137	0.0173	0.0162	0.0129	0.0130	0.0141
Methylcyclopentane:	0.0086	0.0103	0.0126	0.0118	0.0098	0.0096	0.0106
Benzene:	0.0011	0.0013	0.0020	0.0017	0.0014	0.0013	0.0016
Cyclohexane:	0.0050	0.0064	0.0083	0.0078	0.0064	0.0060	0.0070
2-Methylhexane:	0.0012	0.0014	0.0019	0.0019	0.0015	0.0014	0.0018
3-Methylhexane: 2-2-4-	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
i-heptanes:	0.0005	0.0006	0.0008	0.0007	0.0006	0.0006	0.0007
Heptane:	0.0010	0.0011	0.0015	0.0013	0.0010	0.0010	0.0013
Methylcyclohexane:	0.0047	0.0056	0.0066	0.0059	0.0052	0.0049	0.0065
Toluene:	0.0102	0.0122	0.0154	0.0128	0.0116	0.0114	0.0142
	0.0032	0.0044	0.0047	0.0038	0.0033	0.0041	0.0054
2-Methylheptane:	0.0016	0.0021	0.0026	0.0019	0.0018	0.0019	0.0018
4-Methylheptane:	0.0007	0.0009	0.0011	0.0009	0.0008	0.0009	0.0009
i-Octanes:	0.0008	0.0012	0.0013	0.0010	0.0009	0.0011	0.0007
Octane:	0.0019	0.0028	0.0032	0.0021	0.0020	0.0022	0.0019
Ethylbenzene:	0.0001	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001
m, p Xylene:	0.0012	0.0022	0.0021	0.0012	0.0014	0.0019	0.0008
o Xylene (& 2,2,4	0.0001	0.0003	0.0002	0.0001	0.0002	0.0002	0.0001
i-C9:	0.0002	0.0006	0.0003	0.0002	0.0002	0.0003	0.0001
C9:	0.0004	0.0009	0.0006	0.0004	0.0004	0.0005	0.0002
i-C10:	0.0002	0.0003	0.0000	0.0002	0.0000	0.0000	0.0000
C10:	0.0001	0.0000	0.0001	0.0001	0.0001	0.0001	0.0000
i-C11:	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
C11:	0.0001	0.0001	0.0000	0.0001	0.0000	0.0000	0.0000
C12P:	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
BTU:	967.5	976.2	960.8	966.5	938.8	948.1	950.1
GPM:	17.3420	17.4050	17.4590	17.5150	17.3640	17.4070	17.4040
SPG:	0.6589	0.6619	0.6868	0.6918	0.6890	0.6879	0.6859



HARVEST MIDSTREAM WELL ANALYSIS COMPARISON

 Lease:
 Middle Mesa CDP
 Dehy Inlet
 12/01/2022

 Stn. No.:
 33700-10325

Mtr. No.:

08/17/2020	05/01/2020	09/19/2019
08/20/2020	05/06/2020	09/23/2019
HM200074	HM200036	HM190060
0.0939	0.0983	0.1029
9.7167	9.9283	9.5490
85.8626	86.2433	86.4319
2.7940	2.3422	2.3942
0.9951	0.8245	1.0394
0.1710	0.1374	0.1328
0.2161	0.1831	0.1748
0.0017	0.0000	0.0000
0.0512	0.0627	0.0591
0.0323	0.0484	0.0422
0.0010	0.0003	0.0002
0.0007	0.0021	0.0017
0.0007	0.0022	0.0018
0.0046	0.0144	0.0117
0.0016	0.0055	0.0041
0.0045	0.0165	0.0124
0.0034	0.0115	0.0087
0.0006	0.0016	0.0011
0.0027	0.0084	0.0058
0.0007	0.0025	0.0014
0.0000	0.0000	0.0000
0.0005	0.0010	0.0004
0.0005	0.0016	0.0009
0.0034	0.0085	0.0044
0.0104	0.0195	0.0097
0.0063	0.0061	0.0024
0.0034	0.0055	0.0014
0.0012	0.0024	0.0006
0.0032	0.0034	0.0006
0.0054	0.0084	0.0016
0.0004	0.0002	0.0001
0.0052	0.0044	0.0007
0.0005	0.0002	0.0001
0.0009	0.0005	0.0001
0.0022	0.0022	0.0002
0.0002	0.0000	0.0000
0.0001	0.0001	0.0000
0.0000	0.0000	0.0000
0.0000	0.0000	0.0000
0.0000	0.0000	0.0000
965.8	959.5	963.8
17.4700	17.4220	17.4280
0.6819	0.6813	0.6780

2030 Afton Place, Farming	ton, NM 87401 - (505) 325-6622
NAIVSIS III C6+	
Helium [] Other	Sulfurs 🗆 Ext. Liquid 🗀
Sampled By: (Co.) Harryst Mass	Date 1//2 3/2017
Sampled by: (Person) Carriel L	- SOU - EPM
Company:	Well Flowing:
Madi a	Heat Trace: Yes No
Well Name:	Flow Pressure (PSIG): 385 A
API#:	Q1 X
County: San Juan State: N-M Formation:	Ambient Temp (°F): 43
State: 10 -/4 Formation:	Flow Rate (MCF/D):
Source:	and I was # 1 D = dia To
Sample Type: Spot Composite Sample Method:	Plirae & Fill Oth
Meter Number:	
Contact: Environel Mept	Cylinder Number: 5
Remarks:	
33700 -10325	HM30330113

Site	Middle Mesa
Date	
Duration	100 min
PSV Set Pressure	500 psig
PSV Capacity	44,948.00 SCFM
Release Volume	4,494.80 mcf

Note: Valve capacity was calculated using the attached gas analysis at 500 psig relieving pressure.

Description:	Middle Mesa CDP		Company:	HARVEST MIDSTREAM
Field:			WorkOrder:	
Meter Number:			GPA Method:	GPA 2286
Analysis Date/Time:	11/29/2022	12:50:08	Sampled By:	Daniel Lovato
Date Sampled:	11/29/2022		Analyst Initials:	EM
Sample Temperature:	86		Instrument:	SRI 8610
Sample Pressure:	366			

GRI GlyCalc Information

Component	Mol%	Normalized Weight %
Carbon Dioxide	8.221	18.991
Hydrogen Sulfide	N/R	0
Nitrogen	0.1104	0.1623
Methane	88.5168	74.5389
Ethane	2.0495	3.2348
Propane	0.6843	1.5839
Iso-Butane	0.11	0.3356
n-Butane	0.1512	0.4613
Iso-Pentane	0.0477	0.1806
n-Pentane	0.0363	0.1375
Cyclopentane	0.0015	0.0055
n-Hexane	0.0115	0.0545
Cyclohexane	0.005	0.0221
Other Hexanes	0.0241	0.1268
Heptanes	0.0086	0.0452
Methylcyclohexane	0.0102	0.0526
2 2 4 Trimethylpentane	0.0005	0.003
Benzene	0.0011	0.0045
Toluene	0.0032	0.0155
Ethylbenzene	0.0001	0.0006
Xylenes	0.0013	0.0072
C8+ Heavies	0.0061	0.0366
Subtotal	100.0004	
Oxygen	N/R	
Subtotal	100.0004	100
Calculated Molecular Weight		19.0515

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

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 171464

DEFINITIONS

Operator:	OGRID:
Harvest Four Corners, LLC	373888
1111 Travis Street	Action Number:
Houston, TX 77002	171464
	Action Type:
	[C-129] Amend Venting and/or Flaring (C-129A)

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:

- 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.

Action 171464

QUESTIONS

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**

Q	UESTIONS		
Operator:		OGRID: 273000	
Harvest Four Corners, LLC 1111 Travis Street		373888 Action Number:	
Houston, TX 77002		171464	
		Action Type: [C-129] Amend Venting and/or Flaring (C-129A)	
QUESTIONS			
Prerequisites			
Any messages presented in this section, will prevent submission of this application. Please resolve t	hese issues before contir	nuing with the rest of the questions.	
Incident Operator	[373888] Harvest Fo	our Corners, LLC	
Incident Type	Flare		
Incident Status	Closure Not Approv	ved	
Incident Well	Unavailable.		
Incident Facility	[fAPP2123052765] H	IARVEST FOUR CORNERS GATHER SYSTEM	
Only valid Vent, Flare or Vent with Flaring incidents (selected above in the Application Details section	on) that are assigned to ye	our current operator can be amended with this C-129A application.	
Determination of Reporting Requirements			
Answer all questions that apply. The Reason(s) statements are calculated based on your answers ar	nd mav provide addional o	uuidance.	
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 v	enting and/or flaring that i	s 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	3 of may be a major of minor release under 19.10.29.7 NWAO.	
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	No		
watercourse, or otherwise, with reasonable probability, endanger public health, the environment or fresh water			
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		
existence			
Equipment Involved			
Primary Equipment Involved	Valve		
Timaly Equipmont 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. Methods (CHA) percentage	00		
Methane (CH4) percentage	89		
Nitrogen (N2) percentage, if greater than one percent Hydrogen Sulfide (H2S) PPM, rounded up	0		
	0		
Carbon Dioxide (CO2) percentage, if greater than one percent	8		
Oxygen (02) percentage, if greater than one percent	0		
If you are venting and/or flaring because of Pipeline Specification, please provide the required specification.	ifications 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.		

QUESTIONS, Page 2

Action 171464

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

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**

	QUESTI	ONS (continuea)	
	Operator: Harvest Four Corners, LLC		OGRID: 373888
	1111 Travis Street		Action Number:
	Houston, TX 77002		171464 Action Type:
			[C-129] Amend Venting and/or Flaring (C-129A)
	QUESTIONS		
	Date(s) and Time(s)		
	Date vent or flare was discovered or commenced	12/19/2022	
	Time vent or flare was discovered or commenced	02:20 AM	
	Time vent or flare was terminated	03:40 AM	
	Cumulative hours during this event	1	
1			
	Measured or Estimated Volume of Vented or Flared Natural Gas		
	Natural Gas Vented (Mcf) Details	Cause: High Line Pr Mcf Lost: 4,495 Mc	ressure Valve Natural Gas Vented Released: 4,495 Mcf Recovered: 0 f.
	Natural Gas Flared (Mcf) Details	Not answered.	
	Other Released Details	Cause: Other (Sp	ecify) Released: 0 (Unknown Released Amount) Recovered: 0 Lost: 0
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 s	supplied volumes this appears to be a "gas only" report.
1			
	Venting or Flaring Resulting from Downstream Activity	1	
	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		
	Time notified of downstream activity requiring this vent or flare	Not answered.	
ı			
	Steps and Actions to Prevent Waste	T	
	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	back up in the field	ng plant experienced emergency shutdown. This caused pressure to at compressor stations. Backed up pressure caused facility pressure and vent to atmosphere

Harvest personnel responded to the call out from gas control as quickly as possible and shut

Harvest has installed calibrated gauges on all the units at the facility and adjusted the

shutdown point on the units to a lower pressure. This will cause the facility to shut down prior to a pressure build up which will prevent this same type of event from happening in the future

the facility down to prevent further venting of gas upon arrival at the station $% \left(1\right) =\left(1\right) \left(1\right) \left$

Steps taken to limit the duration and magnitude of vent or flare

Corrective actions taken to eliminate the cause and reoccurrence of vent or flare

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 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 171464

ACKNOWLEDGMENTS

Operator:	OGRID:
Harvest Four Corners, LLC	373888
1111 Travis Street	Action Number:
Houston, TX 77002	171464
	Action Type:
	[C-129] Amend Venting and/or Flaring (C-129A)

ACKNOWLEDGMENTS

V	I acknowledge that with this application I will be amending an existing incident file (assigned to this operator) for a vent or flare event, pursuant to 19.15.27 and 19.15.28 NMAC.
V	I acknowledge that amending an incident file does not replace original submitted application(s) or information and understand that any C-129 forms submitted to the OCD will be logged and stored as public record.
V	I hereby certify the statements in this amending 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.
V	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.
V	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

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 171464

CONDITIONS

Operator:	OGRID:
Harvest Four Corners, LLC	373888
1111 Travis Street	Action Number:
Houston, TX 77002	171464
	Action Type:
	[C-129] Amend Venting and/or Flaring (C-129A)

CONDITIONS

Created By	Condition	Condition Date
oakley.hayes	If the information provided in this report requires further amendment(s), submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	1/3/2023