



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

Analysis No: HM2021036
Cust No: 33700-10565

Well/Lease Information

Customer Name: HARVEST MIDSTREAM
Well Name: GLADE CDP
County/State: SJ NM
Location:
Lease/PA/CA:
Formation:
Cust. Stn. No.:

Source:
Well Flowing:
Pressure: 52 PSIG
Flow Temp: 58 DEG. F
Ambient Temp: DEG. F
Flow Rate: MCF/D
Sample Method:
Sample Date: 04/26/2021
Sample Time: 12.19 PM
Sampled By: DONNIE EDWARDS
Sampled by (CO): HARVEST

Heat Trace:

Remarks: Calculated Molecular Weight = 18.7673

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.7417	0.7479	0.0820	0.00	0.0072
CO2	1.1781	1.1880	0.2020	0.00	0.0179
Methane	89.0623	89.8074	15.1360	899.53	0.4933
Ethane	4.9984	5.0402	1.3400	88.46	0.0519
Propane	2.1744	2.1926	0.6010	54.71	0.0331
Iso-Butane	0.3802	0.3834	0.1250	12.36	0.0076
N-Butane	0.6289	0.6342	0.1990	20.52	0.0126
Neopentane 2,2 dmc3	0.0000	0.0000	0.0000	0.00	0.0000
I-Pentane	0.2279	0.2298	0.0840	9.12	0.0057
N-Pentane	0.1874	0.1890	0.0680	7.51	0.0047
Neohexane	0.0053	N/R	0.0020	0.25	0.0002
2-3-Dimethylbutane	0.0087	N/R	0.0040	0.41	0.0003
Cyclopentane	0.0090	N/R	0.0030	0.34	0.0002
2-Methylpentane	0.0586	N/R	0.0240	2.78	0.0017
3-Methylpentane	0.0234	N/R	0.0100	1.11	0.0007
C6	0.0781	0.4241	0.0320	3.71	0.0023
Methylcyclopentane	0.0532	N/R	0.0190	2.39	0.0015
Benzene	0.0115	N/R	0.0030	0.43	0.0003
Cyclohexane	0.0302	N/R	0.0100	1.35	0.0009
2-Methylhexane	0.0087	N/R	0.0040	0.47	0.0003
3-Methylhexane	0.0109	N/R	0.0050	0.59	0.0004
2-2-4-Trimethylpentane	0.0023	N/R	0.0010	0.14	0.0001
i-heptanes	0.0057	N/R	0.0020	0.30	0.0002
Heptane	0.0262	N/R	0.0120	1.44	0.0009

Methylcyclohexane	0.0469	N/R	0.0190	2.45	0.0016
Toluene	0.0182	N/R	0.0060	0.81	0.0006
2-Methylheptane	0.0060	N/R	0.0030	0.37	0.0002
4-Methylheptane	0.0031	N/R	0.0020	0.19	0.0001
i-Octanes	0.0028	N/R	0.0010	0.17	0.0001
Octane	0.0062	N/R	0.0030	0.39	0.0002
Ethylbenzene	0.0003	N/R	0.0000	0.02	0.0000
m, p Xylene	0.0036	N/R	0.0010	0.19	0.0001
o Xylene (& 2,2,4 tmc7)	0.0004	N/R	0.0000	0.02	0.0000
i-C9	0.0004	N/R	0.0000	0.03	0.0000
C9	0.0008	N/R	0.0000	0.06	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	0.0000	N/R	0.0000	0.00	0.0000
C12P	0.0000	N/R	0.0000	0.00	0.0000
Total	100.00	100.837	18.003	1112.66	0.6471

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0027	CYLINDER #:	08
BTU/CU.FT IDEAL:	1115.2	CYLINDER PRESSURE:	53 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1118.2	ANALYSIS DATE:	05/05/2021
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1098.7	ANALYSIS TIME:	02:05:28 AM
DRY BTU @ 15.025:	1140.6	ANALYSIS RUN BY:	PATRICIA KING
REAL SPECIFIC GRAVITY:	0.6486		

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: 05/06/2021

GC Method: C12+BTEX Gas



HARVEST MIDSTREAM
WELL ANALYSIS COMPARISON

Lease: GLADE CDP

05/06/2021

Stn. No.:

33700-10565

Mtr. No.:

Smpl Date:	04/26/2021	11/19/2020
Test Date:	05/05/2021	11/23/2020
Run No:	HM2021036	HM200097
Nitrogen:	0.7417	0.6175
CO2:	1.1781	1.2636
Methane:	89.0623	87.8411
Ethane:	4.9984	5.6406
Propane:	2.1744	2.5854
I-Butane:	0.3802	0.4176
N-Butane:	0.6289	0.7467
2,2 dmc3:	0.0000	0.0000
I-Pentane:	0.2279	0.2587
N-Pentane:	0.1874	0.2165
Neohexane:	0.0053	0.0066
2-3-	0.0087	0.0092
Cyclopentane:	0.0090	0.0096
2-Methylpentane:	0.0586	0.0620
3-Methylpentane:	0.0234	0.0252
C6:	0.0781	0.0748
Methylcyclopentane:	0.0532	0.0490
Benzene:	0.0115	0.0099
Cyclohexane:	0.0302	0.0281
2-Methylhexane:	0.0087	0.0081
3-Methylhexane:	0.0000	0.0000
2-2-4-	0.0023	0.0023
i-heptanes:	0.0057	0.0053
Heptane:	0.0262	0.0239
Methylcyclohexane:	0.0469	0.0433
Toluene:	0.0182	0.0168
2-Methylheptane:	0.0060	0.0067
4-Methylheptane:	0.0031	0.0033
i-Octanes:	0.0028	0.0039
Octane:	0.0062	0.0074
Ethylbenzene:	0.0003	0.0005
m, p Xylene:	0.0036	0.0033
o Xylene (& 2,2,4	0.0004	0.0003
i-C9:	0.0004	0.0006
C9:	0.0008	0.0010
i-C10:	0.0002	0.0002
C10:	0.0001	0.0001
i-C11:	0.0000	0.0000
C11:	0.0000	0.0000
C12P:	0.0000	0.0000
BTU:	1118.2	1134.9
GPM:	18.0250	18.1710
SPG:	0.6486	0.6593

Location of Sample: Glade CDP		Meter Code: Page 4 of 10 53
Continuous Sampler Beginning Date:		Ending Date or Date Pulled: 4/26/21
Run Number:	Operator Code:	Line PSIG: S2 #
Cylinder Number: 4B	Type Sample: ☒ Spot ☐ Continuous	Flow Temp.: SB
Remarks: Extended		
Sample Taken By: Dominic Edwards		Phone Number: 505.44.6357
33700-10565		HM 2021034

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	MET ER NUM BER	ENTERED BY WHOM	DATE	PSI	PORT SIZE IN INCHES	TIME IN MINUTES BLOWN	MCF LOST	COMMENTS
Lunt FC 11				100.0	0.29	600.00	94.20	

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District IV
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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.
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DEFINITIONS

Action 92723

DEFINITIONS

Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID: 373888
	Action Number: 92723
	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:

- 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.

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QUESTIONS

Action 92723

QUESTIONS

Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID: 373888
	Action Number: 92723
	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	Not answered.
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	Yes
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	Riser Valve

Representative Compositional Analysis of Vented or Flared Natural Gas	
Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	89
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	1
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 Sulfide (H2S) PPM quality requirement	Not answered.
Carbon Dioxide (CO2) percentage quality requirement	Not answered.
Oxygen (O2) percentage quality requirement	Not answered.

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QUESTIONS, Page 2

Action 92723

QUESTIONS (continued)

Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID: 373888
	Action Number: 92723
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	03/14/2022
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	10:00 AM
Cumulative hours during this event	10

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Freeze Pipeline (Any) Natural Gas Vented Released: 94 Mcf Recovered: 0 Mcf Lost: 94 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	No
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	Temperature dropped causing a freeze
Steps taken to limit the duration and magnitude of vent or flare	Riser isolated and valve replaced
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Riser isolated and valve replaced

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ACKNOWLEDGMENTS

Action 92723

ACKNOWLEDGMENTS

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	Action Number: 92723
	Action Type: [C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

☒	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.
☒	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.
☒	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.
☒	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.
☒	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.

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CONDITIONS

Action 92723

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	Action Number: 92723
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
jakdsolutions	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.	3/23/2022