



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

Analysis No: HM20240007
Cust No: 33700-10705

Well/Lease Information

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

Source: INLET
Well Flowing: Y
Pressure: 695 PSIG
Flow Temp: 48 DEG. F
Ambient Temp: 22 DEG. F
Flow Rate: 109 mil MCF/D
Sample Method: Purge & Fill
Sample Date: 02/23/2024
Sample Time: 7.45 AM
Sampled By: CLL
Sampled by (CO): ABC

Heat Trace: N
Remarks:

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.0454	0.0452	0.0050	0.00	0.0004
CO2	9.5462	9.5127	1.6330	0.00	0.1451
Methane	89.1838	88.8709	15.1500	900.76	0.4940
Ethane	0.9377	0.9344	0.2510	16.59	0.0097
Propane	0.1740	0.1734	0.0480	4.38	0.0026
Iso-Butane	0.0278	0.0277	0.0090	0.90	0.0006
N-Butane	0.0245	0.0244	0.0080	0.80	0.0005
I-Pentane	0.0077	0.0077	0.0030	0.31	0.0002
N-Pentane	0.0040	0.0040	0.0010	0.16	0.0001
Hexane Plus	0.0489	0.0487	0.0220	2.58	0.0016
Total	100.0000	99.6491	17.1300	926.48	0.6548

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0023
BTU/CU.FT IDEAL: 928.6
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 930.8
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 914.6
DRY BTU @ 15.025: 949.4
REAL SPECIFIC GRAVITY: 0.6561

CYLINDER #: 37
CYLINDER PRESSURE: 500 PSIG
ANALYSIS DATE: 02/23/2024
ANALYSIS TIME: 03:56:08 PM
ANALYSIS RUN BY: SARAH BALLARD

GPM, BTU, and SPG calculations as shown above are based on current GPA constants.

GPA Standard: GPA-2261

GC: Danalyzer Model 500 Last Cal/Verify: 02/26/2024

GC Method: C6+ Gas



HARVEST MIDSTREAM
WELL ANALYSIS COMPARISON

Lease: Val Verde Plant; Inlet
 Stn. No.:
 Mtr. No.:

INLET

02/26/2024
 33700-10705

Smpl Date:	02/23/2024	12/18/2023	10/17/2023	06/16/2023	02/10/2023	12/06/2022	09/20/2022
Test Date:	02/23/2024	12/19/2023	10/20/2023	06/16/2023	02/10/2023	12/08/2022	09/20/2022
Run No:	HM20240007	HM20230271	HM20230249	HM20230059	HM20230005	HM20220117	HM20220086
Nitrogen:	0.0454	0.0503	0.0485	0.0495	0.0518	0.0423	0.3843
CO2:	9.5462	9.6735	10.3958	9.4945	10.9909	11.2400	10.4066
Methane:	89.1838	89.1181	88.2950	89.0503	87.5002	87.3943	88.0820
Ethane:	0.9377	0.9053	1.0113	1.0669	1.0808	1.0045	0.8620
Propane:	0.1740	0.1667	0.1736	0.2302	0.2455	0.2131	0.1586
I-Butane:	0.0278	0.0261	0.0328	0.0378	0.0396	0.0331	0.0617
N-Butane:	0.0245	0.0242	0.0229	0.0306	0.0376	0.0301	0.0368
I-Pentane:	0.0077	0.0075	0.0071	0.0099	0.0141	0.0090	0.0056
N-Pentane:	0.0040	0.0040	0.0037	0.0049	0.0068	0.0058	0.0025
Hexane+:	0.0489	0.0243	0.0092	0.0254	0.0327	0.0278	0.0000
BTU:	930.8	928.0	921.0	932.5	918.4	914.2	916.6
GPM:	17.1300	17.1200	17.1270	17.1460	17.1570	17.1410	17.0950
SPG:	0.6561	0.6564	0.6636	0.6564	0.6716	0.6729	0.6645

System	Scenario	Equipment/Piping	Tag Number	ID (inches)	Length (ft)	Vessel Volume (ft ³)	DP Blowdown Pressure (PSIG)	Standard Gas Volume (SCF)	Total Gas Volume (SCF)
		Untreated/Treated Gas Exchanger	E-7202	30	17.27	84.78			
		Residue Scrubber	V-7402	66	12.00	285.10			
		Amine Contactor	V-7501	90	59.00	2606.54			
Train 7	Train 7 Gas Path Blowdown	Glycol Contactor/Outlet Scrubber	V-7572	72	36.50	1032.01			
		Piping (10%)				400.84			
						4409.27	206	65389.18	
						4409.27	50	18596.92	
						4409.27	50	18596.92	
						4409.27	100	33594.44	136177

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

General Information
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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 427887

DEFINITIONS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 427887
	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.

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QUESTIONS

Action 427887

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	Action Number: 427887
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QUESTIONS

Prerequisites	
<i>Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.</i>	
Incident ID (n#)	Unavailable.
Incident Name	Unavailable.
Incident Type	Flare
Incident Status	Unavailable.
Incident Facility	[fGP0000000031] VAL VERDE GP
<i>Only valid Vent, Flare or Vent with Flaring incidents (selected above in the Application Details section) that are assigned to your current operator can be amended with this C-129A application.</i>	

Determination of Reporting Requirements	
<i>Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.</i>	
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.
<i>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.</i>	
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 within 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

Equipment Involved	
Primary Equipment Involved	Valve
Additional details for Equipment Involved. Please specify	Train 7 blowdown valve failed open.

Representative Compositional Analysis of Vented or Flared Natural Gas	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
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	9
Oxygen (O2) percentage, if greater than one percent	0
<i>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</i>	
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 427887

QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	01/20/2025
Time vent or flare was discovered or commenced	03:30 PM
Time vent or flare was terminated	03:02 PM
Cumulative hours during this event	0

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Equipment Failure Valve Natural Gas Vented Released: 136 Mcf Recovered: 0 Mcf Lost: 136 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	
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	Normally closed blowdown valve failed open.
Steps taken to limit the duration and magnitude of vent or flare	The inlet valve closed
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Harvest is completing an incident investigation and will have corrective actions once complete

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ACKNOWLEDGMENTS

Action 427887

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ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<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.

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CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
chadsnell	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.	2/4/2025