



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

Analysis No: HM2021092
Cust No: 33700-10070

Well/Lease Information

Customer Name: HARVEST MIDSTREAM
Well Name: EL CEDRO TRUNK D INLET
County/State: RIO ARRIBA NM
Location:
Lease/PA/CA:
Formation:
Cust. Stn. No.:

Source: INLET
Well Flowing:
Pressure: 350 PSIA
Flow Temp: 48 DEG. F
Ambient Temp: DEG. F
Flow Rate: 7000 MCF/D
Sample Method:
Sample Date: 10/20/2021
Sample Time: 9.45 AM
Sampled By: RYAN ANTONSON
Sampled by (CO): HARVEST

Heat Trace:

Remarks: Claculated Molecular Weight:= 23.3434
No Sample Date On Card

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.2550	0.2561	0.0280	0.00	0.0025
CO2	25.2544	25.3665	4.3210	0.00	0.3837
Methane	73.2850	73.6103	12.4560	740.18	0.4059
Ethane	0.9742	0.9785	0.2610	17.24	0.0101
Propane	0.1928	0.1937	0.0530	4.85	0.0029
Iso-Butane	0.0173	0.0174	0.0060	0.56	0.0003
N-Butane	0.0213	0.0214	0.0070	0.70	0.0004
Neopentane 2,2 dmc3	0.0000	0.0000	0.0000	0.00	0.0000
I-Pentane	0.0000	0.0000	0.0000	0.00	0.0000
N-Pentane	0.0000	0.0000	0.0000	0.00	0.0000
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	0.0000	N/R	0.0000	0.00	0.0000
3-Methylpentane	0.0000	N/R	0.0000	0.00	0.0000
C6	0.0000	0.0000	0.0000	0.00	0.0000
Methylcyclopentane	0.0000	N/R	0.0000	0.00	0.0000
Benzene	0.0000	N/R	0.0000	0.00	0.0000
Cyclohexane	0.0000	N/R	0.0000	0.00	0.0000
2-Methylhexane	0.0000	N/R	0.0000	0.00	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	0.0000	N/R	0.0000	0.00	0.0000

Methylcyclohexane	0.0000	N/R	0.0000	0.00	0.0000
Toluene	0.0000	N/R	0.0000	0.00	0.0000
2-Methylheptane	0.0000	N/R	0.0000	0.00	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	0.0000	N/R	0.0000	0.00	0.0000
Ethylbenzene	0.0000	N/R	0.0000	0.00	0.0000
m, p Xylene	0.0000	N/R	0.0000	0.00	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	100.444	17.132	763.53	0.8060

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0028
 BTU/CU.FT IDEAL: 765.3
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 767.4
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 754.0
 DRY BTU @ 15.025: 782.8
 REAL SPECIFIC GRAVITY: 0.8079

CYLINDER #: 5
 CYLINDER PRESSURE: 350 PSIG
 ANALYSIS DATE: 10/20/2021
 ANALYSIS TIME: 01:46:03 AM
 ANALYSIS RUN BY: ELAINE MORRISON

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: 10/26/2021

GC Method: C12+BTEX Gas



HARVEST MIDSTREAM
WELL ANALYSIS COMPARISON

Lease: EL CEDRO TRUNK D INLET

INLET

10/26/2021

Stn. No.:

33700-10070

Mtr. No.:

Smpl Date:	10/20/2021	03/10/2021	12/19/2018
Test Date:	10/20/2021	03/11/2021	12/27/2018
Run No:	HM2021092	HM2021011	HM180015
Nitrogen:	0.2550	0.0560	0.0620
CO2:	25.2544	9.1385	8.7013
Methane:	73.2850	89.3282	90.0873
Ethane:	0.9742	1.1738	0.9093
Propane:	0.1928	0.2136	0.1552
I-Butane:	0.0173	0.0347	0.0249
N-Butane:	0.0213	0.0307	0.0229
2,2 dmc3:	0.0000	0.0000	0.0013
I-Pentane:	0.0000	0.0100	0.0055
N-Pentane:	0.0000	0.0038	0.0038
Neohexane:	0.0000	0.0002	0.0013
2-3-	0.0000	0.0002	0.0004
Cyclopentane:	0.0000	0.0002	0.0004
2-Methylpentane:	0.0000	0.0014	0.0024
3-Methylpentane:	0.0000	0.0005	0.0005
C6:	0.0000	0.0015	0.0008
Methylcyclopentane:	0.0000	0.0011	0.0021
Benzene:	0.0000	0.0003	0.0010
Cyclohexane:	0.0000	0.0006	0.0012
2-Methylhexane:	0.0000	0.0002	0.0004
3-Methylhexane:	0.0000	0.0000	0.0000
2-2-4-	0.0000	0.0001	0.0002
i-heptanes:	0.0000	0.0002	0.0003
Heptane:	0.0000	0.0007	0.0021
Methylcyclohexane:	0.0000	0.0015	0.0029
Toluene:	0.0000	0.0005	0.0021
2-Methylheptane:	0.0000	0.0003	0.0006
4-Methylheptane:	0.0000	0.0001	0.0003
i-Octanes:	0.0000	0.0001	0.0006
Octane:	0.0000	0.0003	0.0012
Ethylbenzene:	0.0000	0.0000	0.0002
m, p Xylene:	0.0000	0.0002	0.0011
o Xylene (& 2,2,4	0.0000	0.0000	0.0003
i-C9:	0.0000	0.0000	0.0011
C9:	0.0000	0.0001	0.0006
i-C10:	0.0000	0.0000	0.0006
C10:	0.0000	0.0000	0.0008
i-C11:	0.0000	0.0000	0.0000
C11:	0.0000	0.0000	0.0003
C12P:	0.0000	0.0000	0.0001
BTU:	767.4	935.9	937.6
GPM:	17.1320	17.1490	17.1160
SPG:	0.8079	0.6529	0.6470

48°

350 psi

7. million

Trunk Pinlet

0945

350#

Cylinder 5

33700-10070

HM2021092

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

ENTERED BY WHOM	DATE	PSI	PORT DIAMETER IN INCHES	TIME IN MINUTES BLOWN	MCF LOST	COMMENTS
El Cedro	1/20/2022	937.0	0.78	10.00	94.97	

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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.
Santa Fe, NM 87505

DEFINITIONS

Action 74085

DEFINITIONS

Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID: 373888
	Action Number: 74085
	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: <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.
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QUESTIONS

Action 74085

QUESTIONS

Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID: 373888
	Action Number: 74085
	Action Type: [C-129] Venting and/or Flaring (C-129)

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 Well	Not answered.
Incident Facility	[fCS00000000082] EL CEDRO GP

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 withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

Equipment Involved	
Primary Equipment Involved	Gas Compressor Station
Additional details for Equipment Involved. Please specify	PRV Valve

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	73
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	25
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 74085

QUESTIONS (continued)

Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID: 373888
	Action Number: 74085
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	01/20/2022
Time vent or flare was discovered or commenced	08:00 AM
Time vent or flare was terminated	08:10 AM
Cumulative hours during this event	0

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Equipment Failure Gas Compressor Station Natural Gas Vented Released: 95 Mcf Recovered: 0 Mcf Lost: 95 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	PRV Malfunction
Steps taken to limit the duration and magnitude of vent or flare	Compressor was shut down and locked out and tagged out
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	PRV was prepared and re-installed

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ACKNOWLEDGMENTS

Action 74085

ACKNOWLEDGMENTS

Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID: 373888
	Action Number: 74085
	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.

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CONDITIONS

Action 74085

CONDITIONS

Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID: 373888
	Action Number: 74085
	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.	1/20/2022