

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

Analysis No: HM20220088 Cust No: 33700-10420

STATION INLET

Well/Lease Information

Customer Name: HARVEST MIDSTREAM

Well Name: El Cedro Station Manzanares Inlet

County/State: Rio Arriba NM

Location: Lease/PA/CA: Formation: Cust. Stn. No.: Pressure: 293 PSIG
Flow Temp: 72 DEG. F
Ambient Temp: 66 DEG. F
Flow Rate: 165 MCF/D
Sample Method: Purge & Fill
Sample Date: 09/27/2022

Υ

Source:

Well Flowing:

Sample Date: 09/27/2022
Sample Time: 10.15 AM
Sampled By: Ryan Antonson

Heat Trace: N Sampled by (CO): Harves Mid

Remarks: Calculated Molecular Weight = 19.1034

Analysis

Component:	Mole%:	Unormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.0578	0.0579	0.0060	0.00	0.0006
CO2	10.2645	10.2742	1.7550	0.00	0.1560
Methane	88.6428	88.7269	15.0580	895.29	0.4910
Ethane	0.8409	0.8417	0.2250	14.88	0.0087
Propane	0.1442	0.1443	0.0400	3.63	0.0022
Iso-Butane	0.0170	0.0170	0.0060	0.55	0.0003
N-Butane	0.0185	0.0185	0.0060	0.60	0.0004
Neopentane 2,2 dmc3	0.0000	0.0000	0.0000	0.00	0.0000
I-Pentane	0.0045	0.0045	0.0020	0.18	0.0001
N-Pentane	0.0041	0.0041	0.0010	0.16	0.0001
Neohexane	0.0001	N/R	0.0000	0.00	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	0.0006	N/R	0.0000	0.03	0.0000
3-Methylpentane	0.0002	N/R	0.0000	0.01	0.0000
C6	0.0008	0.0058	0.0000	0.04	0.0000
Methylcyclopentane	0.0001	N/R	0.0000	0.00	0.0000
Benzene	0.0002	N/R	0.0000	0.01	0.0000
Cyclohexane	0.0003	N/R	0.0000	0.01	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	0.0001	N/R	0.0000	0.01	0.0000
Heptane	0.0005	N/R	0.0000	0.03	0.0000

Received by OCD: 10/18/2023 1: Methylcyclohexane	253:26 PM 0.0008	N/R	0.0000	0.04	Page 2 of 1 0.0000
Toluene	0.0005	N/R	0.0000	0.04	
			0.0000	0.02	0.0000
2-Methylheptane	0.0002	N/R	0.0000	0.01	0.0000
4-Methylheptane	0.0001	N/R	0.0000	0.01	0.0000
i-Octanes	0.0000	N/R	0.0000	0.00	0.0000
Octane	0.0003	N/R	0.0000	0.02	0.0000
Ethylbenzene	0.0000	N/R	0.0000	0.00	0.0000
m, p Xylene	0.0002	N/R	0.0000	0.01	0.0000
o Xylene (& 2,2,4 tmc7)	0.0000	N/R	0.0000	0.00	0.0000
i-C9	0.0001	N/R	0.0000	0.01	0.0000
C9	0.0001	N/R	0.0000	0.01	0.0000
i-C10	0.0002	N/R	0.0000	0.01	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	100.095	17.099	915.59	0.6596

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

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

COMPRESSIBLITY FACTOR (1/Z):	1.0023	CYLINDER #:	16
BTU/CU.FT IDEAL:	917.7	CYLINDER PRESSURE:	304 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	919.8	ANALYSIS DATE:	09/28/2022
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	903.8	ANALYIS TIME:	09:43:55 AM
DRY BTU @ 15.025:	938.2	ANALYSIS RUN BY:	PATRICIA KING
REAL SPECIFIC GRAVITY:	0.6608		

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: 09/28/2022

GC Method: C12+BTEX Gas



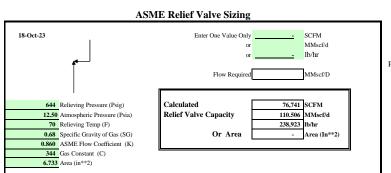
HARVEST MIDSTREAM WELL ANALYSIS COMPARISON

Lease:El Cedro Station Manzanares InletSTATION INLET09/28/2022Stn. No.:33700-10420

Mtr. No.:

Smpl Date:	09/27/2022	02/07/2020
Test Date:	09/28/2022	02/12/2020
Run No:	HM20220088	HM200008
A.P.	0.0578	0.0566
Nitrogen:	10.2645	8.9772
CO2:	88.6428	89.7679
Methane:	0.8409	0.9558
Ethane:	0.1442	0.9556
Propane:	0.1442	0.0262
I-Butane:	0.0170	
N-Butane:	0.0185	0.0266 0.0000
2,2 dmc3:	0.0045	0.0000
I-Pentane:	0.0045	0.0073
N-Pentane:	0.0041	0.0056
Neohexane:	0.0001	0.0000
2-3-	0.0001	0.0001
Cyclopentane:	0.0001	0.0001
2-Methylpentane: 3-Methylpentane:		
C6:	0.0002 0.0008	0.0002 0.0005
Methylcyclopentane:	0.0008	0.0003
Benzene:	0.0001	0.0001
Cyclohexane:	0.0002	0.0002
2-Methylhexane:	0.0000	0.0001
3-Methylhexane:	0.0000	0.0000
2-2-4-	0.0000	0.0000
i-heptanes:	0.0001	0.0001
Heptane:	0.0005	0.0004
Methylcyclohexane:	0.0008	0.0008
Toluene:	0.0005	0.0006
2-Methylheptane:	0.0002	0.0002
4-Methylheptane:	0.0001	0.0001
i-Octanes:	0.0000	0.0001
Octane:	0.0003	0.0002
Ethylbenzene:	0.0000	0.0000
m, p Xylene:	0.0002	0.0002
o Xylene (& 2,2,4	0.0000	0.0000
i-C9:	0.0001	0.0001
C9:	0.0001	0.0001
i-C10:	0.0002	0.0000
C10:	0.0002	0.0000
i-C11:	0.0000	0.0000
C11:	0.0000	0.0000
C12P:	0.0000	0.0000
DTU		
BTU:	919.8	934.7
GPM: SPG:	17.1020	17.1180
oru.	0.6608	0.6495

2023 1:33:20 PM 2030 Afton Place, Farmington, NM 87401 - ((505) 325-6622
2030 Afton Place, Farmington, NM 87401 - 6 **10 PSIG Pre	echarge** ^v
NALYSIS $C6+\Box$ $C9+\Box$ $C12+\Box$	C12+ BTEX 📙 Hellum 🗀
S ERVICE Other	Date 9/27/2022
	Time 10:15 DPM
Sampled By:(Co.)	Well Flowing: Yes No
	Heat Trace:
Company: 1 / All O - D	Meat trace.
Well Name: El Cedro Station	Flow Pressure (PSIG): 293
El Cedro Station	Flow Temp (°F): 72°
County/State: Rio Arriba	Ambient Temp (°F): 66
County/State: Kto / / / / / / / / / / / / / / / / / / /	Flow Rate (MCF/D): 165
Formation:	
Source: ☐ Meter Run ☐ Tubing ☐ Casing ☐ Bradenhead ☑ Other	5/4 1/0-24.0
Sample Type: Spot Composite Sample Method: Purge & Fill	Other
Meter Number:	Cylinder Number:
$M \sim M M M$	
Remarks: Extended Gas Analysis of El	Celo Manzarares Inlet
Remarks: 2 HM 3	0790088



PSV Manufacturer: Anderson Greenwood
Orifice Size: 6.733 sq in (FB)
Relief Pressure: 644 psig
PSV Relief Capacity at Relief Pressure: 76,741 SCFM
Duration: 11 min
Gas Loss: 844 Mcf

Sizing Calculations

	Relieving Pressure Relieving Temp	P (psia) T (Deg R)	(Selected Relieving	Pressure Should Include Allowable Buildup.)
520 1.0	P base T base Z base	psia Deg R		
1.0	Z relieving	z	(Can assume $z = 1.0$	to be conservative.)
	Molecular Weight Gas Density	$_{lb/ft**3}^{M}$	=SG*MW of Air (28 =Pbase*(MW)/(Zba	se*R(10.73)*Tbase) (At exit conditions, STP)
	Flow Coefficient Gas Constant	K C	(Use Manufacture's (Normally 344 for .6	
	SCFM MMscf/d			
	lb/hr			
6.7330	Actual Flow Area	A (in**2)		
- - -	Given SCFM solving f Given MMscf/d solvin Given lb/hr solving for	g for Area (in**	2) =	(SCFM*Density*60)/(K*C*P*(SQRT(M/zT))) (MMscfd*Density*100000024)/(K*C*P*(SQRT(M/zT))) (lb/hr)/(K*C*P*(SQRT(M/zT)))
76,741	Given Area Solving for	r SCFM	=	(K*A*C*P)/(Density*60)*(SQRT(M/zT))
	Given Area Solving for			(K*A*C*P)/(Density*1000000/24)*(SQRT(M/zT))
	Given Area Solving for Reference equations ar			(K*A*C*P)*(SQRT(M/zT)) he ASME Boiler and Pressure Vessel Code.

PO#:		Safe I I P	ELIEF VALVE REPORT ©	
		Priority: Standard	70 D	PATE REC'D: 6/3/2021 FEM: 11 of 52
IDENTIFICA	TION	VALVE DATA Current Res	MATERIAL/	ORIGINAL NAMEPLATE DATA
CUST ID # PSV-9112 LOC B Turbine 1st Stat MFG A.g.co TYPE NO 2733 34 SERIAL NO 5538 H ORIFICE FB NULLET 4 in 300# RFF OUTLET 4 in 150# R PREVIOUS R.O. 1007 P.L.D.	T G F FLG	SET PRESS 650	Pilot	INAMEDIATE DATA TYPE 273334 SET PRESS 456 BACK PRE NO.T. CD. PRESS NO.T. CAT. 3165 sefin BLOWDOWN NO.T. MANURACTURED CODE STAMP UV NB
WORK × Pretest	PRI TEST MEDIA	Nitrogen GAUGE S/N OF.	CHECKED?	COMP SCREW
Reset Overhaul Warranty	SET PRESSUE BLOWDOWN		REPLACE	LOWER ADJ RING UPPER ADJ RING
Assembly	TIGHTNESS	Good TEST DATE 7/2	5/2021	OVERLAP COLLAR
ODY NTERNAL PARTS			1-630 PSI 2-629 PSI 3-630 PSI Inline Test Tested Good (a) 650 Ps OK To Use	si
revious Repair Ce RECORD ART NUMBER		QUIRED FOR REPAIR	O. Number: FINAL ASSEM COMPRESSION SCREW LOWER ADJUSTMENT R OVERLAP COLLAR ASSEMBLED BY: DUPLICATE TAG INSI	NG DATE
RECOR	RD OF FINAL	TEST RESULTS	RECORD OF	FINAL ASSEMBLY
TEST MEDIA Nit	rogen GAU	GE S/N QF5K-4 DUE 9/1/2021	ADJ LKD & SEAL NAMEPLATE INSTALI	LED Yes If No VR Cert. is issued Give Reason Below:

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 277048

DEFINITIONS

Operator:	OGRID:
Harvest Four Corners, LLC	373888
1755 Arroyo Dr	Action Number:
Bloomfield, NM 87413	277048
	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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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

QUESTIONS

Action 277048

Ω	JESTIONS	
Operator:	OGRID:	
Harvest Four Corners, LLC	373888	
1755 Arroyo Dr Bloomfield, NM 87413	Action Number: 277048	
·	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 continuing with the rest of the questions.	
Incident Operator	[373888] Harvest Four Corners, LLC	
Incident Type	Flare	
Incident Status	Closure Not Approved	
Incident Well	Unavailable.	
Incident Facility	[fAPP2123052765] HARVEST FOUR CORNERS GATHER SYSTEM	
Only valid Vent, Flare or Vent with Flaring incidents (selected above in the Application Details section	n) that are assigned to your 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	d may provide addional 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	No	
Is this considered a submission for a vent or flare event	Yes, major venting and/or flaring of natural gas.	
An arrange of the first of the control of the form of the first of the		
An operator shall file a form C-141 instead of a form C-129 for a release that, includes liquid during views 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	165	
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	Valve	
Additional details for Equipment Involved. Please specify	PSV	
Description Compositional Analysis of Vistal as Flored Natural Co		
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 (C02) percentage, if greater than one percent	10	
Oxygen (02) percentage, if greater than one percent	0	
If you are venting and/or flaring because of Pipeline Specification, please provide the required spec		
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.	

Not answered.

Oxygen (02) percentage quality requirement

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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**

QUESTIONS, Page 2

Action 277048

Phone:(505) 476-3470 Fax:(505) 476-3462	,
QUESTI	ONS (continued)
Operator:	OGRID:
Harvest Four Corners, LLC 1755 Arroyo Dr	373888 Action Number:
Bloomfield, NM 87413	277048
	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	10/04/2023
Time vent or flare was discovered or commenced	09:11 AM
Time vent or flare was terminated	09:22 AM
Cumulative hours during this event	0
Measured or Estimated Volume of Vented or Flared Natural Gas	
	Course Midelynous Francisco Maintenance I Value I Netwel Con Vented I Delegand OM Met
Natural Gas Vented (Mcf) Details	Cause: Midstream Emergency Maintenance Valve Natural Gas Vented Released: 844 Mcf Recovered: 0 Mcf Lost: 844 Mcf.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Cause: Other (Specify) 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 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	Upset at Milagro plant caused PSVs to lift
Steps taken to limit the duration and magnitude of vent or flare	Operator shut down the unit as soon as they could.

Out of operator's control

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

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ACKNOWLEDGMENTS

Action 277048

ACKNOWLEDGMENTS

Operator:	OGRID:
Harvest Four Corners, LLC	373888
1755 Arroyo Dr	Action Number:
Bloomfield, NM 87413	277048
	Action Type:
	[C-129] Amend Venting and/or Flaring (C-129A)

ACKNOWLEDGMENTS

\checkmark	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.
√²	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.

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CONDITIONS

Action 277048

CONDITIONS

Operator:	OGRID:
Harvest Four Corners, LLC	373888
1755 Arroyo Dr	Action Number:
Bloomfield, NM 87413	277048
	Action Type:
	[C-129] Amend Venting and/or Flaring (C-129A)

CONDITIONS

Create	d Condition	Condition Date
Ву		
jdea	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.	10/18/2023