



**LAFAYETTE AREA LABORATORY**

4790 N.E. EVANGELINE THRUWAY  
 CARENCRO, LA 70520  
 PHONE (337) 896-3055  
 FAX (337) 896-3077

**CERTIFICATE OF ANALYSIS**  
**Certificate of Analysis: 13090068-001A**

**Customer:** WPX Energy **Report Date:** 09/19/13  
**Attn:** Michael K. Lane, PE  
 721 S. Main **PO / Ref. No.:**  
 Aztec, NM 87410

**Company:** WPX Energy **Sample Of:** Flash Gas  
**Field:** NWCH 32-10 #9A **Sample Date/Time:** 08/30/13  
**Station:** Post Flash Thief Hatch **Sample Psig & Temp:** 0.00 psi @ 75 °F  
**Station No:** **Sampled By:** ML-WPX  
**Sample Point:** **Cylinder # :** 3275  
**Comments:** EOS Flash Gas Composition

	<u>MOL %</u>	<u>WEIGHT %</u>	<u>GPM's @</u>
NITROGEN			
CO2			
METHANE			
ETHANE	5.703	2.535	2.187
PROPANE	15.985	10.419	5.949
I-BUTANE	9.801	8.420	3.071
N-BUTANE	16.286	13.992	5.294
I-PENTANE	14.598	15.568	4.088
N-PENTANE	10.088	10.759	2.855
HEXANES	10.675	13.344	2.661
BENZENE	1.478	1.706	0.542
HEPTANES	8.232	11.761	1.829
TOLUENE	2.178	2.966	0.667
OCTANES	3.377	5.600	0.676
E-BENZENE	0.062	0.098	0.017
m,o,&p-XYLENE	0.578	0.907	0.152
NONANES	0.654	1.226	0.119
DECANES PLUS	<u>0.304</u>	<u>0.700</u>	<u>0.051</u>
TOTALS	100.000	100.000	30.156

CALCULATED VALUES

REAL DRY BTU AT 15.025 PSIA, 60 DEG.F 3978.0  
 REAL WET BTU AT 15.025 PSIA, 60 DEG.F 3910.1  
 RELATIVE DENSITY 2.4831  
 COMPRESSIBILITY FACTOR 0.94742

GPM's @ 15.025 psia, 60 Deg.F C2+ 30.156 C5+ 13.656

VENTING SUMMARY

Battery	Date	Total Venting Vol (mcf)	Hrs Vented	Start		End	
MC 6 Com 160H	1/5/2023	87.51742188	52.08	12/24/2022	7:05 AM	12/26/2022	11:10 AM

Venting volumes from tanks were estimated using flowrate from ProMax (0.028005575 mcf/minute).  
3125 minutes \* 0.028005575 mcf/minute = 87.51742188 mcf

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**District III**  
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**District IV**  
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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**

DEFINITIONS

Action 173207

**DEFINITIONS**

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 173207
	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

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**QUESTIONS**

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**QUESTIONS**

<b>Prerequisites</b>	
<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	Unavailable.
Incident Facility	[fAPP2200741848] MC 6 COM 160H PAD

<b>Determination of Reporting Requirements</b>	
<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	Yes
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

<b>Equipment Involved</b>	
Primary Equipment Involved	Production Tank
Additional details for Equipment Involved. Please specify	VRU malfunction caused tanks to vent. VRU has since been repaired.

<b>Representative Compositional Analysis of Vented or Flared Natural Gas</b>	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	0
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	0
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 (continued)**

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**QUESTIONS**

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	12/24/2022
Time vent or flare was discovered or commenced	07:05 AM
Time vent or flare was terminated	11:10 AM
Cumulative hours during this event	52

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Other   Production Tank   Natural Gas Vented   Released: 88 Mcf   Recovered: 0 Mcf   Lost: 88 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	VRU malfunctioned. It was repaired by vendor as soon as possible.
Steps taken to limit the duration and magnitude of vent or flare	Worked with vendor to coordinate service time and minimize downtime.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Standard PM. No way to avoid periodic downtime for maintenance/repairs to address unforeseen issues.

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ACKNOWLEDGMENTS

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**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 <b>complete</b> 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

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**CONDITIONS**

Created By	Condition	Condition Date
jlogan	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.	1/5/2023