

Monthly Meter Analysis

Hilcorp Energy Company

September 2022

Meter #: 93024-01
Name: ROSA EAST CDP

Sample

Date: 09/21/2022
Type: Composite
Pressure: 195.0 H2O:
Temperature: 95.0 H2S:

Component	Mole %	Liquid Content	Mass %
Carbon Dioxide (CO2)	7.7790		17.9899
Nitrogen (N2)	0.0700		0.1030
Methane (C1)	88.0140		74.1965
Ethane (C2)	3.0390	0.8126	4.8018
Propane (C3)	0.7760	0.2137	1.7981
Isobutane (IC4)	0.1150	0.0376	0.3512
n-Butane (NC4)	0.1060	0.0334	0.3237
Isopentane (IC5)	0.0350	0.0128	0.1327
n-Pentane (NC5)	0.0200	0.0072	0.0758
Hexanes Plus (C6+)	0.0464	0.0202	0.2273
Argon (Ar)			
Carbon Monoxide (CO)			
Hydrogen (H2)			
Oxygen (O2)			
Helium (He)			
Water (H2O)			
Hydrogen Sulfide (H2S)			
Totals	100.0004	1.1375	100.0000

Property	Total Sample
Pressure Base	14.730
Temperature Base	60.00
Relative Density	0.6583
HV, Dry @ Base P,T	978.61
HV, Sat @ Base P, T	961.58
HV, Sat @ Sample P, T	
Cricondentherm	
HCDP @ Sample Pressure	
Full Wellstream	
Free Water	
Condensate	
26 # RVP Gasoline	0.061
Testcar Permian	0.409
Testcar Panhandle	0.379
Testcar Midcon	0.531

REPORT OF LOST GAS ACCOUNTED FOR

GAS LOSS DATA	GAS LOSS DUE TO																										
	LINE PURGE	LINE DAMAGE OR BLOWOUT	LINE BLOWDOWN	UNMETERED OR BYPASSED GAS	BLOWING RELIEF VALVES	OTHER (EXPLAIN)																					
LENGTH OF LINE (ft.)																											
SIZE OF LINE (in.)		4.026 in.																									
SIZE OF BLOWOUT HOLE (sq. in.)		0.01 sq. in.																									
DURATION OF FLOW OR BLOWING (hours, days, months)		24.00 hours																									
RATE OF FLOW (MCF/hr.)																											
WAS RESPONSIBLE PARTY BILLED FOR LOST GAS?		YES																									
LINE PRESSURE AT TIME OF INCIDENT (psig)		43 psig																									
GAS LOSS (MCF)		16 Mcf																									
CALCULATION OF GAS LOSS																											
Pipe Diameter 4.026 inches Orifice Diameter 0.1250 inches Pressure 43 psig Length of Time Blown 24.00 hours Area of Orifice 0.0123 sq. inches Lost Gas 16 Mcf																											
Lost Gas=(Orifice Diameter)^2*Pressure*Time Blown																											
REMARKS AND EXPLANATIONS																											
4" lateral pipeline ruptured a 1/8" hole after pigging on 10/26 at 3 PM, wells were shut in after the leak was identified on 10/31 at 2:40 PM.																											
<table border="0" style="width: 100%;"> <thead> <tr> <th>Date</th> <th>Time</th> <th>Volume</th> </tr> </thead> <tbody> <tr> <td>10/26/2022</td> <td>3 PM-12 PM (9 hrs)</td> <td>6.05</td> </tr> <tr> <td>10/27/2022</td> <td>24 hrs</td> <td>16.13</td> </tr> <tr> <td>10/28/2022</td> <td>24 hrs</td> <td>16.13</td> </tr> <tr> <td>10/29/2022</td> <td>24 hrs</td> <td>16.13</td> </tr> <tr> <td>10/30/2022</td> <td>24 hrs</td> <td>16.13</td> </tr> <tr> <td>10/31/2022</td> <td>12 AM-2:40 PM (14.67 hrs)</td> <td>9.86</td> </tr> </tbody> </table>							Date	Time	Volume	10/26/2022	3 PM-12 PM (9 hrs)	6.05	10/27/2022	24 hrs	16.13	10/28/2022	24 hrs	16.13	10/29/2022	24 hrs	16.13	10/30/2022	24 hrs	16.13	10/31/2022	12 AM-2:40 PM (14.67 hrs)	9.86
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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 157434

DEFINITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 157434
	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 157434

QUESTIONS

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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 Well	Unavailable.
Incident Facility	[fAPP2123559216] EAST ROSA DELIVERY

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	No
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, answer to "eight hours or more" suggests this is at least a minor event.
<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	No
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	Pipeline (Any)
Additional details for Equipment Involved. Please specify	Not answered.

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	88
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	8
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

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QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	10/27/2022
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	11:59 PM
Cumulative hours during this event	24

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Normal Operations Pipeline (Any) Natural Gas Vented Released: 16 Mcf Recovered: 0 Mcf Lost: 16 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	Pipeline ruptured a small hole after a spike in pressure when pigging the main line. Operation identified the issue when completing AVO Inspections and stopped the leak immediately.
Steps taken to limit the duration and magnitude of vent or flare	Operations identified the issue when completing AVO Inspections and stopped the leak immediately.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Operations identified the issue when completing AVO inspections and stopped the leak immediately. LOGOS will continue AVO inspections to eliminate reoccurrence.

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ACKNOWLEDGMENTS

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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

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CONDITIONS

Created By	Condition	Condition Date
dlsnull	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.	11/9/2022