

Atchafalaya Measurement, Inc.

416 East Main Street Artesia, NM 88210

575-746-3481

Inficon Micro GC Fusion F08904 R03RR2


	Sample Information
Sample Name	Cimarex__Da Vinci 7-18 Federal Com 6H__6030GC3-2520-18
Station Number	NLW0001048
Lease Name	Da Vinci 7-18 Federal Com 6H
Analysis For	Cimarex Energy
Producer	Cimarex Energy
Field Name	Carlsbad
County/State	Eddy,NM
Frequency/Spot Sample	Quarterly
Sampling Method	Fill Empty
Sample Deg F	91
Atmos Deg F	55
Flow Rate	1889
Line PSIG	50
Date/Time Sampled	1-29-20
Cylinder Number	N/A
Cylinder Clean Date	N/A
Sampled By	Mike West
Analysis By	Pat Silvas
Verified/Calibration Date	2-3-20
Report Date	2020-02-05 11:28:18

Component Results

Component Name	Ret. Time	Peak Area	Norm%	PPMV	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	23.200	5955.1	1.06339	10633.900	0.000
H2S	46.000	0.0	0.00000	0.000	0.000
Methane	23.960	331374.4	76.03760	760376.000	0.000
Carbon Dioxide	28.300	1000.5	0.14968	1496.800	0.000
Ethane	37.200	85670.3	11.82480	118248.000	3.175
Propane	78.100	58874.5	5.84578	58457.800	1.617
i-butane	28.900	49629.5	0.77088	7708.800	0.253
n-Butane	30.480	131555.5	1.97715	19771.500	0.626
i-pentane	35.560	38838.3	0.51215	5121.500	0.188
n-Pentane	37.620	48725.5	0.61085	6108.500	0.222
Hexanes Plus	120.000	95607.0	1.20772	12077.200	0.526
Total:			100.00000	1000000.000	6.607

Results Summary

Result	Dry	Sat. (Base)
Total Raw Mole% (Dry)	100.81958	
Pressure Base (psia)	14.730	
Temperature Base (Deg. F)	60.00	
Gross Heating Value (BTU / Ideal cu.ft.)	1323.9	1300.8
Gross Heating Value (BTU / Real cu.ft.)	1329.3	1306.8
Relative Density (G), Ideal	0.7675	0.7649
Relative Density (G), Real	0.7703	0.7681
Compressibility (Z) Factor	0.9959	0.9955

 DA VINCI 7-18 FED COM CDP FLARE				
		6/2021	9/15/2021	9/14/2021
Static	(PSI)	67	76	68
Differential	(In H2O)	0	0	0
Gas Flowed	(MCF)	0.0	0.0	129.0

District I1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720**District II**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**District IV**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

QUESTIONS

Action 53242

QUESTIONS

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 53242
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS**Prerequisites**

Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.

Incident Well	Not answered.
Incident Facility	[fAPP2127340798] DA VINCI 7-18 FED COM

Determination of Reporting Requirements

Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.

Was or is this venting and/or flaring caused by an emergency or malfunction	Yes
Did or will this venting and/or flaring last eight hours or more cumulatively within any 24-hour period from a single event	No
Is this considered a submission for a venting and/or flaring event	Yes, minor venting and/or flaring of natural gas.
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.	
Was there or will there be at least 50 MCF of natural gas vented and/or flared during this event	Yes
Did this venting and/or flaring 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 venting and/or flaring 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	Not answered.
Additional details for Equipment Involved. Please specify	Not answered.

Representative Compositional Analysis of Vented or Flared Natural Gas

Please provide the mole percent for the percentage questions in this group.

Methane (CH4) percentage	76
Nitrogen (N2) percentage, if greater than one percent	1
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

If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.

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.

Date(s) and Time(s)

Date venting and/or flaring was discovered or commenced	09/14/2021
Time venting and/or flaring was discovered or commenced	07:15 AM
Time venting and/or flaring was terminated	12:00 PM
Cumulative hours during this event	1

Measured or Estimated Volume of Vented or Flared Natural Gas

Natural Gas Vented (Mcf) Details	Not answered.
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Natural Gas Flared (Mcf) Details	Cause: High Line Pressure Gas Compressor Station Natural Gas Flared Released: 129 Mcf Recovered: 0 Mcf Lost: 129 Mcf]
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 or is this venting and/or flaring a result of downstream activity	Not answered.
Was notification of downstream activity received by you or your operator	Not answered.
Downstream OGRID that should have notified you or your operator	Not answered.
Date notified of downstream activity requiring this venting and/or flaring	Not answered.
Time notified of downstream activity requiring this venting and/or flaring	Not answered.

Steps and Actions to Prevent Waste

For this event, the operator could not have reasonably anticipated the current event and it was beyond the operator's control.	True
Please explain reason for why this event was beyond your operator's control	High line pressure attributed to compressor station going down due to wells coming online. Cimarex brought the Da Vinci 7-18 CTB back online and since it is close to Scoter, both of those wells bumped the flare due to flush volumes coming in harder than we thought. We didn't want to choke back while trying to get the wells to unload because it would cause them to load back up / struggle to unload, so we tried to keep flare to a minimum but it was necessary to get the wells kicked back off
Steps taken to limit the duration and magnitude of venting and/or flaring	As noted the flare was necessary due to wells kicking back in. Cimarex did all it could to mitigate the flaring max.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	As noted well volume came in harder than thought. Field engineer will take precaution going forward if same incidence occurred.

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CONDITIONS

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	Action Number: 53242
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
jacosta01	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.	9/30/2021