DEVON ENERGY
Natural Gas Analysis Report
GPA 2172-09/API 14.5 Report with GPA 2145-16 Physical Properties

Sample Information

	Sample Information
Sample Name	C STATE 16-3H PROD 62468019 RUN 1
Effective/Start Date	05-28-2021
WELL NAME/EU#/FMP#	C STATE 16-3H PROD 62468019 RUN 1
Technician	Danny M
Analyzer Type	NAT. GAS ANALYZER
Analyzer Make & Model	AGILENT , 490
Last Calibration/Validation Date	05-24-2021
Sampling Flow Rate	18 PSIG
Air Temperature	71 F
Heat Tracing	Heated Hose & Gasifier
Type of Sample	spot-portable GC
Sampling Method	fill and empty
Operator	DEVON
Method Name	! modified 3-25-20 C9 CALIBRATED DANNY.met
Injection Date	2021-05-28 16:16:42
Report Date	2021-05-28 10:21:33
EZReporter Configuration File	backup 4-1-20 WPX Energy GPA C9+ H2S.cfgx
Source Data File	794 C STATE 16-3H PROD 62468019 RUN 12021-05-28 10-16-28 (GMT -06-00).dat
NGA Phys. Property Data Source	GPA Standard 2145-16 (FPS)
Data Source	Agilent OpenLab/EZChrom Connector

Component Results

Component Name	Peak Area	Raw Amount	Response Factor	Norm Mole%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	720901.0	0.7110	0.00000099	0.7165	0.0	0.00693	0.000
Methane	36395411.0	78.0390	0.00000214	78.6446	796.1	0.43561	0.000
CO2	56553.0	0.0820	0.00000145	0.0826	0.0	0.00126	0.000
Ethane	8477922.0	11.6050	0.00000137	11.6950	207.4	0.12142	3.138
H2S	0.0	0.0003	0.00000000	0.0003	0.0	0.00000	0.000
Propane	4795691.0	5.3550	0.00000112	5.3965	136.1	0.08216	1.492
iso-butane	798420.0	0.6890	0.00000086	0.6943	22.6	0.01393	0.228
n-Butane	2077031.0	1.6650	0.00000080	1.6779	54.9	0.03367	0.531
iso-pentane	570035.0	0.4060	0.00000071	0.4091	16.4	0.01019	0.150
n-Pentane	683757.0	0.4590	0.00000067	0.4626	18.6	0.01152	0.168
hexanes	208415.0	0.1280	0.00000061	0.1290	6.1	0.00384	0.053
heptanes	116108.0	0.0570	0.00000049	0.0574	3.2	0.00199	0.027
octanes	3057.0	0.0020	0.00000065	0.0020	0.1	0.00008	0.001
nonanes+	2768.0	0.0320	0.00001156	0.0322	2.3	0.00143	0.018
Total:		99.2303		100.0000	1263.8	0.72403	5.806

Results Summary

Result	Dry
Total Un-Normalized Mole%	99.2303
Pressure Base (psia)	14.730
Temperature Base (Deg. F)	60.00
Flowing Temperature (Deg. F)	87.0
Flowing Pressure (psia)	88.0
Gross Heating Value (BTU / Ideal cu.ft.)	1263.8
Gross Heating Value (BTU / Real cu.ft.)	1268.4
Relative Density (G), Real	0.7263

Monitored Parameter Report

Parameter	Value	Lower Limit	Upper Limit	Status
Total un-normalized amount	99.2303	97.0000	103.0000	Pass

DEVON ENERGY
Natural Gas Analysis Report
GPA 2172-09/API 14.5 Report with GPA 2145-16 Physical Properties

Sample Information

	Sample Information
Sample Name	C STATE 16-3H PROD 62468019 RUN 2
Effective/Start Date	05-28-2021
WELL NAME/EU#/FMP#	C STATE 16-3H PROD 62468019 RUN 2
Technician	Danny M
Analyzer Type	NAT. GAS ANALYZER
Analyzer Make & Model	AGILENT , 490
Last Calibration/Validation Date	05-24-2021
Sampling Flow Rate	18 PSIG
Air Temperature	71 F
Heat Tracing	Heated Hose & Gasifier
Type of Sample	spot-portable GC
Sampling Method	fill and empty
Operator	DEVON
Method Name	! modified 3-25-20 C9 CALIBRATED DANNY.met
Injection Date	2021-05-28 16:22:24
Report Date	2021-05-28 10:25:51
EZReporter Configuration File	backup 4-1-20 WPX Energy GPA C9+ H2S.cfgx
Source Data File	795 C STATE 16-3H PROD 62468019 RUN 22021-05-28 10-22-10 (GMT -06-00).dat
NGA Phys. Property Data Source	GPA Standard 2145-16 (FPS)
Data Source	Agilent OpenLab/EZChrom Connector

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Component Results

Component Name	Peak Area	Raw Amount	Response Factor	Norm Mole%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)	
Nitrogen	720553.0	0.7100	0.00000099	0.7058	0.0	0.00683	0.000	
Methane	37051645.0	79.4460	0.00000214	78.9766	799.5	0.43745	0.000	
CO2	56580.0	0.0820	0.00000145	0.0815	0.0	0.00124	0.000	
Ethane	8475468.0	11.6020	0.00000137	11.5335	204.6	0.11974	3.095	
H2S	0.0	0.0003	0.00000000	0.0003	0.0	0.00000	0.000	
Propane	4799743.0	5.3600	0.00000112	5.3283	134.4	0.08112	1.473	
iso-butane	798878.0	0.6900	0.00000086	0.6859	22.4	0.01376	0.225	
n-Butane	2073282.0	1.6620	0.00000080	1.6522	54.0	0.03316	0.523	
iso-pentane	560550.0	0.3990	0.00000071	0.3966	15.9	0.00988	0.146	
n-Pentane	669115.0	0.4490	0.00000067	0.4463	17.9	0.01112	0.162	
hexanes	204235.0	0.1250	0.00000061	0.1243	5.9	0.00370	0.051	
heptanes	118433.0	0.0590	0.00000050	0.0587	3.2	0.00203	0.027	
octanes	2920.0	0.0020	0.00000068	0.0020	0.1	0.00008	0.001	
nonanes+	718.0	0.0080	0.00001114	0.0080	0.6	0.00035	0.005	
Total:		100.5943		100.0000	1258.5	0.72046	5.708	

Results Summary

Result	Dry	
Total Un-Normalized Mole%	100.5943	
Pressure Base (psia)	14.730	
Temperature Base (Deg. F)	60.00	
Flowing Temperature (Deg. F)	87.0	
Flowing Pressure (psia)	88.0	
Gross Heating Value (BTU / Ideal cu.ft.)	1258.5	
Gross Heating Value (BTU / Real cu.ft.)	1263.0	
Relative Density (G), Real	0.7227	

Monitored Parameter Report

Parameter	Value	Lower Limit	Upper Limit	Status	
Total un-normalized amount	100.5943	97.0000	103.0000	Pass	

DEVON ENERGY
Natural Gas Analysis Report
GPA 2172-09/API 14.5 Report with GPA 2145-16 Physical Properties

Sample Information

	Sample Information
Sample Name	C STATE 16-3H PROD 62468019 RUN 3
Effective/Start Date	05-28-2021
WELL NAME/EU#/FMP#	C STATE 16-3H PROD 62468019 RUN 3
Technician	Danny M
Analyzer Type	NAT. GAS ANALYZER
Analyzer Make & Model	AGILENT , 490
Last Calibration/Validation Date	05-24-2021
Sampling Flow Rate	18 PSIG
Air Temperature	71 F
Heat Tracing	Heated Hose & Gasifier
Type of Sample	spot-portable GC
Sampling Method	fill and empty
Operator	DEVON
Method Name	! modified 3-25-20 C9 CALIBRATED DANNY.met
Injection Date	2021-05-28 16:26:40
Report Date	2021-05-28 10:30:21
EZReporter Configuration File	backup 4-1-20 WPX Energy GPA C9+ H2S.cfgx
Source Data File	796 C STATE 16-3H PROD 62468019 RUN 32021-05-28 10-26-15 (GMT -06-00).dat
NGA Phys. Property Data Source	GPA Standard 2145-16 (FPS)
Data Source	Agilent OpenLab/EZChrom Connector

Component Results

Component Name	Peak Area	Raw Amount	Response Factor	Norm Mole%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	722540.0	0.7120	0.00000099	0.7197	0.0	0.00696	0.000
Methane	36245099.0	77.7160	0.00000214	78.5570	795.3	0.43513	0.000
CO2	56596.0	0.0820	0.00000145	0.0829	0.0	0.00126	0.000
Ethane	8464457.0	11.5870	0.00000137	11.7124	207.8	0.12160	3.143
H2S	0.0	0.0003	0.00000000	0.0003	0.0	0.00000	0.000
Propane	4823060.0	5.3860	0.00000112	5.4443	137.3	0.08289	1.505
iso-butane	808753.0	0.6980	0.00000086	0.7056	23.0	0.01416	0.232
n-Butane	2107946.0	1.6890	0.00000080	1.7073	55.8	0.03426	0.540
iso-pentane	568825.0	0.4050	0.00000071	0.4094	16.4	0.01020	0.150
n-Pentane	674790.0	0.4530	0.00000067	0.4579	18.4	0.01141	0.167
hexanes	206700.0	0.1270	0.00000061	0.1284	6.1	0.00382	0.053
heptanes	119077.0	0.0590	0.00000050	0.0596	3.3	0.00206	0.028
octanes	18460.0	0.0100	0.00000054	0.0101	0.6	0.00040	0.005
nonanes+	475.0	0.0050	0.00001053	0.0051	0.4	0.00023	0.003
Total:		98.9293		100.0000	1264.4	0.72438	5.826

Results Summary

Result	Dry
Total Un-Normalized Mole%	98.9293
Pressure Base (psia)	14.730
Temperature Base (Deg. F)	60.00
Flowing Temperature (Deg. F)	87.0
Flowing Pressure (psia)	88.0
Gross Heating Value (BTU / Ideal cu.ft.)	1264.4
Gross Heating Value (BTU / Real cu.ft.)	1269.0
Relative Density (G), Real	0.7267

Monitored Parameter Report

Parameter	Value	Lower Limit	Upper Limit	Status
Total un-normalized amount	98.9293	97.0000	103.0000	Pass

District I
1625 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 42569

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 42569
	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	**[30-015-44136] C STATE 16 #003H**
Incident Facility	*Not answered.*

Determination of Reporting Requirements	
Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide addional 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 notification of a major venting and/or flaring	**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	Other (Specify)
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	78
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	3
Carbon Dioxide (C02) percentage, if greater than one percent	0
Oxygen (02) 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 Sufide (H2S) PPM quality requirement	*Not answered.*
Carbon Dioxide (C02) percentage quality requirement	*Not answered.*
Oxygen (02) percentage quality requirement	*Not answered.*

Date(s) and Time(s)	
Date venting and/or flaring was discovered or commenced	08/10/2021
Time venting and/or flaring was discovered or commenced	10:45 AM
Time venting and/or flaring was terminated	11:00 AM
Cumulative hours during this event	0

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	*Not answered.*

Natural Gas Flared (Mcf) Details	Cause: Equipment Failure | Other (Specify) | Natural Gas Flared | Released: 109 Mcf | Recovered: 0 Mcf | Lost: 109 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.*
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	Bad diaphram on back pressure regulator.
Steps taken to limit the duration and magnitude of venting and/or flaring	Bad diaphram on back pressure regulator.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	Fix diaphram on BPR.

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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

CONDITIONS

Action 42569

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 42569
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
ohair	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.	8/17/2021