

Gas Composition and Properties

Effective July 1, 2020 00:00 - January 18, 2038 21:14

Source #: ART82067

Name: Crossroads AFX Fed #1 Flare

Component	Mole %	Liquid Content	Mass %
Carbon Dioxide, CO2	0.1644		0.2715
Nitrogen, N2	8.4722		8.9066
Methane, C1	60.6606		36.5195
Ethane, C2	9.9097	2.6578	11.1822
Propane, C3	10.2156	2.8224	16.9047
iso-Butane, iC4	1.9788	0.6494	4.3161
n-Butane, nC4	4.4269	1.3996	9.6558
iso-Pentane, iC5	1.1631	0.4266	3.1492
n-Pentane, nC5	1.2074	0.4389	3.2691
Neo-Pentane, NeoC5			
Hexanes Plus, C6+	1.8013	0.7428	5.8253
Water, H2O			
Hydrogen Sulfide, H2S			
Oxygen, O2			
Carbon Monoxide, CO			
Hydrogen, H2			
Helium, He			
Argon, Ar			
Totals	100.0000	9.1380	100.0000

Property	Total Sample	C6 Plus Fraction
Pressure Base	14.730	
Temperature Base	60.00	
HCDP @ Sample Pressure		
Cricondentherm		
HV, Dry @ Base P, T	1452.00	
HV, Sat @ Base P, T	1426.73	
HV, Sat @ Sample P, T		
Relative Density	0.9292	
C6+: 100		

Sample

Date: Pressure:
 Type: Temperature:
 Tech: H2O: lbs/mm
 H2S: ppm

Remarks:

Analysis

Date: Instrument:
 Cylinder:

Tech:

Remarks:

*** End of Report ***

GAS VOLUME STATEMENT

EOG Resources, Inc.

August, 2021

Meter #: ART82067

Name: Crossroads AFX Fed #1 Flare

Pressure Base: 14.730 psia **Meter Status:** Active
Temperature Base: 60.00 °F **Contract Hr.:** Midnight
Atmos Pressure: 13.200 psi **Full Wellstream:**
Calc Method: AGA3-1992 **WV Technique:**
Z Method: AGA-8 Detail (1992) **WV Method:**
Tube I.D.: 3.0680 in. **HV Cond:** Dry
Tap Location: Upstream **Meter Type:** EFM
Tap Type: Flange **Interval:** 1 Hour

CO2	N2	C1	C2	C3	I-C4	N-C4	I-C5
0.164	8.472	60.661	9.910	10.216	1.979	4.427	1.163
N-C5	NeoC5	C6	C7	C8	C9	C10	
1.207		1.801					
O2	H2	CO	He	Ar	H2S	H2S ppm	H2O

Day	Differential (In. H2O)	Pressure (psia)	Temp. (°F)	Flow Time (hrs)	Relative Density	Plate (inches)	Volume (Mcf)	Heating Value (Btu/scf)	Energy (MMBtu)
1	59.70	31.40	71.62	24.00	0.9292	0.5000	39.12	1452.00	56.80
2	89.20	32.86	78.27	21.06	0.9292	0.5000	40.62	1452.00	58.98
3	91.25	34.23	76.17	24.00	0.9292	0.5000	67.25	1452.00	97.65
4	86.83	34.62	73.36	24.00	0.9292	0.5000	66.35	1452.00	96.34
5	93.79	34.88	79.29	24.00	0.9292	0.5000	68.61	1452.00	99.62
6	105.59	35.30	81.52	24.00	0.9292	0.5000	72.76	1452.00	105.65
7	115.57	35.64	83.97	24.00	0.9292	0.5000	76.19	1452.00	110.63
8	66.58	33.59	80.06	24.00	0.9292	0.5000	45.62	1452.00	66.24
9	8.68	31.23	85.07	23.47	0.9292	0.5000	17.53	1452.00	25.46
10	6.63	31.16	85.71	23.42	0.9292	0.5000	10.14	1452.00	14.73
11	2.19	30.96	81.59	20.66	0.9292	0.5000	5.84	1452.00	8.48
12	0.66	30.86	71.75	3.77	0.9292	0.5000	0.74	1452.00	1.07
13	44.16	33.06	63.89	10.98	0.9292	0.5000	21.55	1452.00	31.29
14	62.99	33.84	75.30	21.83	0.9292	0.5000	37.99	1452.00	55.16
15	73.83	34.15	78.87	24.00	0.9292	0.5000	60.62	1452.00	88.02
16	85.01	34.49	75.62	24.00	0.9292	0.5000	65.39	1452.00	94.95
17	87.63	34.57	76.60	24.00	0.9292	0.5000	66.37	1452.00	96.37
18	87.83	34.57	79.13	24.00	0.9292	0.5000	66.27	1452.00	96.23
19	92.31	34.75	83.74	24.00	0.9292	0.5000	67.71	1452.00	98.32
20	93.44	34.71	83.53	24.00	0.9292	0.5000	68.09	1452.00	98.87
21	93.04	34.66	80.20	24.00	0.9292	0.5000	68.10	1452.00	98.89
22	91.78	34.63	74.77	24.00	0.9292	0.5000	67.95	1452.00	98.66
23	95.05	34.77	80.57	24.00	0.9292	0.5000	68.89	1452.00	100.03
24	90.52	34.56	83.48	24.00	0.9292	0.5000	66.93	1452.00	97.19
25	86.92	34.39	82.62	24.00	0.9292	0.5000	65.54	1452.00	95.16
26	82.44	34.21	79.75	24.00	0.9292	0.5000	63.93	1452.00	92.83
27	80.82	34.13	81.36	24.00	0.9292	0.5000	63.14	1452.00	91.69
28	77.16	33.99	78.72	24.00	0.9292	0.5000	61.84	1452.00	89.79
29	74.49	33.92	77.88	24.00	0.9292	0.5000	60.78	1452.00	88.25
30	74.47	33.88	80.13	24.00	0.9292	0.5000	60.59	1452.00	87.98
31	49.29	32.82	79.73	24.00	0.9292	0.5000	44.90	1452.00	65.20
Total	83.84	34.25	79.22	701.19	0.9292		1,657.39		2,406.53

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 45824

QUESTIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 45824
	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	[30-041-20841] CROSSROADS AFX FEDERAL #001
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 additional guidance.	
Was or is this venting and/or flaring caused by an emergency or malfunction	No
Did or will this venting and/or flaring last eight hours or more cumulatively within any 24-hour period from a single event	Yes
Is this considered a submission for a notification of a major venting and/or flaring	Yes, major 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	0
Nitrogen (N2) percentage, if greater than one percent	8
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	08/01/2021
Time venting and/or flaring was discovered or commenced	12:01 AM
Time venting and/or flaring was terminated	11:59 PM
Cumulative hours during this event	744

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

Natural Gas Flared (Mcf) Details	Cause: Normal Operations Well Natural Gas Flared Released: 1,625 Mcf Recovered: 0 Mcf Lost: 1,625 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	This well is included on EOG's ACO for no pipeline connection.
Steps taken to limit the duration and magnitude of venting and/or flaring	Steps are being taken to evaluate and secure pipeline takeaway options
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	Steps are being taken to evaluate and secure pipeline takeaway options

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CONDITIONS

Action 45824

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Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 45824
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
mmorales	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.	9/3/2021