Received by OCD: 11/3/2021 4:49:38 AM 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	1.0013	0.7420	3.0233

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

Totals 100.0000 9.1380 100.0000

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

Analysis Date: Instrument: Cylinder:

Tech:

Remarks:

*** End of Report ***

Gauge Sheet

Well: Crossroads AFX Federal #1

11/2/2021 3:10:38 PM CST Report Date: 10/31/2021

Page 2 of 4

LEASE: Crossroads AFX Federal #1 **Gauge Sheet** PROP NO: COUNTY: 005 PROP METH: MONTH: OCT-21 STATUS: Shut-In 11/2/2021 3:10:37 PM CST PUMPER: FIELD: STATE: NM WELL HEAD PRODUCTION **GAS METER OIL RUNS AND WATER HAULS** Crossroads #1 WTR Crossroads #1 16978 Crossroads #1 HR CSG OIL SALES WATER DISP OPEN CLOSE **NEWOIL TK2** TK1 TBG MCF TICKET TK1 TK DAY PRD СНК PRES (Flare) во BW LP DIFF COEF FT-IN O FT-IN O BBLS Top/Bottom Top/Bottom Top/Bottom PRES Comments NO NUMBER 10' 5.00"/0' 0.00" ' 4.00"/0" 0.00" 24 64 190 35 49 120 28 57 0' 0.00"/0' 0.00' 64 185 107 185.54 26 0' 0.00''/0' 0.00' 3' 10.00''/0' 0.00'' ' 4.00''/0' 0.00' 24 35 48 55 24 64 180 30 40 114 27 49 0' 0.00"/0' 0.00' 6' 8.00"/0' 0.00" L' 4.00''/0' 0.00' 24 64 180 30 50 90 27 37 0' 0.00"/0' 0.00" 8' 11.00"/0' 0.00" 1' 4.00"/0' 0.00" 64 180 50 117 28 44 0' 0.00''/0' 0.00' 11' 10.00"/0' 0.00" 1' 4.00''/0' 0.00' 24 64 180 30 50 120 Replaced packing on 26 0' 0.00''/0' 0.00' 14' 10.00"/0' 0.00" L' 4.00''/0' 0.00'' 24 64 180 30 50 100 183.93 26 38 0' 0.00''/0' 0.00' 8' 2.00"/0" 0.00" L' 4.00''/0' 0.00' 24 64 180 30 52 120 26 39 0' 0.00''/0' 0.00' 11' 2.00"/0' 0.00" 1' 4.00''/0' 0.00' 24 64 180 30 51 95 185.96 26 39 0' 0.00"/0' 0.00' 4' 4.00"/0" 0.00" 1' 4.00''/0' 0.00'' 37 1' 4.00''/0' 0.00' 10 24 64 180 25 45 110 35 0' 0.00"/0' 0.00' 7' 1.00"/0" 0.00" 28 64 190 25 36 11 24 45 110 0' 0.00"/0' 0.00' 9' 10.00"/0' 0.00" L' 4.00''/0' 0.00' 25 29 12 24 64 150 46 120 35 0' 0.00"/0' 0.00" 12' 10.00"/0' 0.00" 1' 4.00"/0' 0.00" 24 180 30 46 124 182.2 28 50 0' 0.00"/0' 0.00" 6' 11.00"/0' 0.00" L' 5.00''/0' 0.00' 27 14 24 64 350 30 47 117 58 0' 0.00''/0' 0.00' 9' 10.00''/0' 0.00'' 1' 5.00"/0' 0.00" 350 30 122 185.57 28 15 24 64 48 60 0' 0.00"/0' 0.00" 3' 7.00"/0' 0.00" 1' 5.00"/0' 0.00' 24 64 350 30 46 110 27 55 0' 0.00''/0' 0.00' 6' 4.00''/0' 0.00" 1' 5.00''/0' 0.00'' 17 24 64 350 30 46 100 28 66 0' 0.00''/0' 0.00' 8' 10.00"/0' 0.00" 1' 5.00"/0' 0.00" 64 350 30 114 27 60 0' 0.00"/0' 0.00' 11' 8.00''/0' 0.00' 1' 5.00''/0' 0.00' 18 24 46 27 24 64 350 30 45 105 185.54 66 0' 0.00"/0" 0.00 5' 1.00"/0' 0.00" 1' 5.00''/0' 0.00' 20 24 64 350 30 60 28 0' 0.00''/0' 0.00' 6' 7.00"/0' 0.00" 1' 5.00''/0' 0.00'' 47 60 27 21 10 64 35 10 0 Well Down - Suspect 0' 0.00"/0' 0.00" 6' 10.00"/0' 0.00" 1' 5.00"/0' 0.00" Rod Part 6' 10.00''/0' 0.00'' 22 0' 0.00"/0' 0.00" 1' 5.00"/0' 0.00' 23 0' 0.00''/0' 0.00 6' 10.00"/0' 0.00" 1' 5.00''/0' 0.00' 24 0' 0.00''/0' 0.00' 6' 10.00"/0' 0.00" 1' 5.00"/0' 0.00" 25 0' 0.00"/0' 0.00 6' 10.00"/0' 0.00" 1' 5.00"/0' 0.00' 26 0' 0.00''/0' 0.00 6' 10.00"/0' 0.00" 1' 5.00''/0' 0.00' 27 0' 0.00"/0' 0.00' 6' 10.00"/0' 0.00" 1' 5.00''/0' 0.00'' 0 0 28 0' 0.00''/0' 0.00' 6' 10.00"/0' 0.00" 1' 5.00''/0' 0.00' 29 0' 0.00"/0" 0.00 6' 10.00"/0' 0.00" 1' 5.00"/0' 0.00' 30 0 0' 0.00"/0' 0.00' 6' 10.00"/0' 0.00" 1' 5.00''/0' 0.00'' 31 0' 0.00"/0' 0.00" 6' 10.00"/0' 0.00" 1' 5.00"/0' 0.00' DAYS 20.42 TOTAL 991.0 2186.9 5.6 TOTAL 1108. 0.0 STOCK END OF MONTH 136.94 0.1 1108.74 AVERAG 32.0 35.3 ADD OIL RUNS 490 Gr HV (dry) 1452 BTU/MCF LESS STOCK BEG OF MONTH 148.63 **Total Energy** 1439 MMbtu PRODUCTION FOR MONTH 1097.05

<u>District I</u> 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

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 59623

QUESTIONS

OGRID:
330887
Action Number:
59623
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 addional 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 venting and/or flaring event	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 Was there or will there be at least 50 MCF of natural gas vented and/or flared during this event	venting and/or flaring that is or may be a major or minor release under 19.15.29.7 NMAC. Yes	
Did this event 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	61	
Nitrogen (N2) percentage, if greater than one percent	8	
Hydrogen Sulfide (H2S) PPM, rounded up	0	
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	10/01/2021
Time venting and/or flaring was discovered or commenced	12:01 PM
Time venting and/or flaring was terminated	10:01 PM
Cumulative hours during this event	490

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: 991 Mcf Recovered: 0 Mcf Lost: 991 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	The gas gatherer has recently taken the line out of service for integrity issues. We are working with the gatherer on an alternative gathering option.
Steps taken to limit the duration and magnitude of venting and/or flaring	Steps are being taken to evaluate and secure pipeline takeaway options and evaluate power generation
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	Ongoing communication and meetings with the gas gatherer and power generation providers to secure best available option.

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CONDITIONS

Action 59623

CONDITIONS

Operator:	OGRID:
Opal Operating Company LLC	330887
4811 Gaillardia Parkway	Action Number:
Oklahoma City, OK 73142	59623
	Action Type:
	[C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
johnsonc	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.	11/3/2021