



Athens, TX (903) 677-0700 . Beeville, TX (361) 354-5200 . Midland, TX (432) 704-5351

GAS ANALYSIS REPORT

LAB REPORT NUMBER: 6309 - 04262020

PHYSICAL CONSTANTS PER GPA 2145-16

STATION:	39022143	DATE ANALYZED:	4/27/2020
PRODUCER:	BTA OIL PRODUCERS	DATE ON:	4/26/2020
LEASE:	MESA B 4H	DATE OFF:	
EFFECTIVE DATE:	5/1/2020	SAMPLED BY	Kevin Harris

<u>COMPONENT:</u>	<u>MOLE %</u>	<u>GPM</u>	<u>WT. %</u>
H2S	0.000		0.000
OXYGEN	0.006		0.009
NITROGEN	2.146		2.661
CARBON DIOXIDE	7.451		14.512
METHANE	73.676		52.307
ETHANE	8.867	2.366	11.799
PROPANE	4.550	1.251	8.879
I-BUTANE	0.592	0.193	1.523
N-BUTANE	1.369	0.431	3.521
I-PENTANE	0.407	0.149	1.300
N-PENTANE	0.397	0.144	1.268
HEXANE PLUS	<u>0.539</u>	<u>0.233</u>	<u>2.223</u>
TOTAL	100.000	4.767	100.000

(ALL VALUES CALCULATED @ 14.65 PSIA + 60 DEG. F)

REAL GRAVITY	0.7827	BTU WET BASIS	1120.33
MOL WT.	22.596	BTU DRY BASIS	1139.81
H2S PPM:	2.000	CO2 %:	

SAMPLE TYPE	SPOT	SAMPLE PRESS:	94.7
CYLINDER NO	6309	SAMPLE TEMP:	79.2
NOTES		COUNTY/STATE:	LEA, NM

6/4/2020

Mesa B-4 and B-5 Flare 6/1/2021 and 6/4/2021 Events



Gas Meter Report

Mesa B 4 & 5H Flare Gas - Mesa B 4 & 5H Flare Gas

Selected Time Frame: Last 5 Years

Date: 6/11/2021

Time: 11:52 AM

Gas Meter Readings				
Date	Diff	Static	MCF	Line
--- Gas Meter: Mesa B 4 & 5H Flare Gas				
06/05/2021	0.00	0	17	16
06/04/2021	0.00	0	53	16
06/03/2021	0.00	0	0	16
06/02/2021	0.00	0	3	16
06/01/2021	0.00	0	64	16
05/31/2021	0.00	0	30	16
05/30/2021	0.00	0	0	16
05/29/2021	0.00	0	0	16

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 32323

QUESTIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297 Action Number: 32323 Action Type: [C-129] Venting and/or Flaring (C-129)
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QUESTIONS**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 or flaring caused by an emergency or malfunction	No
Did or will this venting 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 or flaring	Yes, minor venting or flaring of natural gas.
The operator shall file a form C-141 instead of a form C-129 for a release that includes liquid during venting or flaring that is or may be a major or minor release under 19.13.29.7 NMAC	
Was there or will there be at least 50 MCF of natural gas vented or flared during this event	Yes
Did this venting 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

Unregistered Facility Site

Please provide the facility details, if the venting or flaring occurred or is occurring at a facility that does not have an Facility ID (##) yet.

Facility or Site Name	Mesa B4 B5
Facility Type	Flare Stack - (FS)

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

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

Methane (CH4) percentage	74
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	2
Carbon Dioxide (CO2) percentage, if greater than one percent	7
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 or flaring was discovered or commenced	06/01/2021
Time venting or flaring was discovered or commenced	12:00 AM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	06/01/2021
Time venting or flaring was terminated	11:59 PM
Total duration of venting or flaring in hours, if venting or flaring has terminated	24
Longest duration of cumulative hours within any 24-hour period during this event	24

Measured or Estimated Volume of Vented or Flared Natural Gas

Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: High Line Pressure Separator Natural Gas Flared Spilled: 64 Mcf Recovered: 0 Mcf Lost: 64 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 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 or flaring a result of downstream activity	Yes
Date notified of downstream activity requiring this venting or flaring	Not answered.
Time notified of downstream activity requiring this venting or flaring	Not answered.

Steps and Actions to Prevent Waste

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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	Spontaneous Event
Steps taken to limit the duration and magnitude of venting or flaring	Battery Redesign
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	Battery Redesign

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CONDITIONS

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	Action Number: 32323
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
system	If the information provided in this report requires an amendment, submit a [C-129] Request to Amend Venting and/or Flaring Incident, utilizing your incident number from this event.	6/16/2021