

From: Robles, Easton
To: Jennifer Elrod; Michelle Bates
Cc: Hesse, Stephen; Sanchez, Marlene; Bowman, Neil; EPCORreporting
Subject: RE: Gas Analysis
Date: Tuesday, June 29, 2021 8:35:01 AM
Attachments: image005.png
image007.png
image008.png
image009.png

Jennifer,

We only measure gas analysis at the points of measurement.

See below the May 2021 gas analysis for the Mesa Arriba CPD POM.

Meter 68588, Mesa Arriba CPD:

ENTERPRISE PERMIAN
Preparer Code: 135476534
Statement Title: Measurement Audit Statement(Differential)
MEAS Contact: AMY CARROLL (713)381-6321
STMT Contact: MARCUS WARE (713)381-7816

Accounting/Production Period: 05/2021
Meter ID: 68588-01
Meter Name: MESA ARRIBA CPD
BTU Basis: Dry
Reporting Basis: MCF @ 14.730

CHISHOLM ENERGY OPERATING LLC
Recipient Code:
Location Code: NA DRN
Report Date/Time: 06/29/2021 08:33
Federal Lease:

CERTIFICATE OF ANALYSIS

Sample Id: 68588
Sample Desc: MESA ARRIBA #1
Effective Date: 05/01/2021 09:00
Sample Date: 04/28/2021 00:00
Analyzed Date:
Sample Freq: QUARTERLY
Sample Temp (F): 69.0
Sample Press (PSIG): 312.0
Press Base: 14.73

Sample Type: SPOT
Sampled By:
Analyzed By: FSLAB
GPA Version: 2145-16

District: 652 - INDIAN BASIN
Device: (No spec equip)
Chrom ID: N/A

Component	Mole %	GPM	Others	Mole %	GPM
Methane	86.5901	0.0000	Carbon Dioxide	0.9761	0.0000
Ethane	6.9032	1.8511	H2S	0.0000	0.0000
Propane	2.5837	0.7413	Nitrogen	0.7902	0.0000
Iso Butane	0.3958	0.1299	* Hydrogen	0.0000	0.0000
Butane	0.7894	0.2495	* Oxygen	0.0000	0.0000
Iso Pentane	0.2377	0.0872	* Helium	0.0000	0.0000
Pentane	0.2264	0.0823	* Argon	0.0000	0.0000
NeoPentane	0.0000	0.0000	* Carbon Monoxide	0.0000	0.0000
Hexane	0.4074	0.1823			
* Heptane	0.0000	0.0000	Sub Total Others	1.7663	0.0000
* Octane	0.0000	0.0000			
* Nonane	0.0000	0.0000			
* Decane	0.0000	0.0000			
Sub Total GPM	98.2337	3.3235			
Others	1.7663	0.0000			
Total	100.0000	3.3235			

Gravity: 0.6654
Dry BTU: 1148.9
Wet BTU: 1128.9
* Not Tested

Thanks,

Easton Robles

Volume Accountant

1100 Louisiana Street, Houston, TX 77002

Office: 713.381.4797

Email: erobles@eprod.com



From: Jennifer Elrod <JElrod@chisholmenergy.com>
Sent: Tuesday, June 29, 2021 8:30 AM
To: Robles, Easton <erobles@eprod.com>; Michelle Bates <MBates@chisholmenergy.com>
Cc: Hesse, Stephen <SHesse@eprod.com>; Sanchez, Marlene <MOSANCHEZ@eprod.com>; Bowman, Neil <BNBOWMAN@eprod.com>; EPCORreporting <EPCORreporting@eprod.com>
Subject: [EXTERNAL] RE: Gas Analysis

[Use caution with links/attachments]

Good morning! Could I get a gas analysis for the Spitfire well that goes to the Mesa Arriba CPD?

I am needing it for C-129; new flare rule.

Thank you,
Jennifer

From: Robles, Easton <erobles@eprod.com>

Sent: Monday, June 7, 2021 1:47 PM

To: Jennifer Elrod <JElrod@chisholmenergy.com>; Michelle Bates <MBates@chisholmenergy.com>

Cc: Hesse, Stephen <SHesse@eprod.com>; Sanchez, Marlene <MOSANCHEZ@eprod.com>; Bowman, Neil <BNBOWMAN@eprod.com>; EPCORreporting <EPCORreporting@eprod.com>

Subject: RE: Gas Analysis

Jennifer,

We have not yet finalized the May 2021 volumes. Please see below the April 2021 gas analysis statements for the two meters listed below.

Meter 68725, Ocotillo 6 CPD:

ENTERPRISE PERMIAN Preparer Code: 135476534 Statement Title: Measurement Audit Statement(Differential) MEAS Contact: AMY CARROLL (713)381-6321 STMT Contact: MARCUS WARE (713)381-7816		Accounting/Production Period: 04/2021 Meter ID: 68725-01 Meter Name: OCOTILLO 6 CPD BTU Basis: Dry Reporting Basis: MCF @ 14.730		DEVON ENERGY PRODUCTION COMPANY, L.P. Recipient Code: 088003756 Location Code: NA DRN Report Date/Time: 06/07/2021 13:41 Federal Lease:																																																																																																													
CERTIFICATE OF ANALYSIS																																																																																																																	
Sample Id: 68725 Sample Desc: OCOTILLO STATE 6		Sample Type: SPOT Sampled By: Analyzed By: FSLAB GPA Version: 2145-16		District: 652 - INDIAN BASIN Device: (No spec equip) Chrom ID: N/A																																																																																																													
Effective Date: 03/01/2021 09:00 Sample Date: 02/01/2021 00:00 Analyzed Date: Sample Freq: QUARTERLY																																																																																																																	
Sample Temp (F): 59.0 Sample Press (PSIG): 318.0 Press Base: 14.73																																																																																																																	
<table border="1"> <thead> <tr> <th>Component</th> <th>Mole %</th> <th>GPM</th> <th>Others</th> <th>Mole %</th> <th>GPM</th> </tr> </thead> <tbody> <tr> <td>Methane</td> <td>80.8777</td> <td>0.0000</td> <td>Carbon Dioxide</td> <td>0.1094</td> <td>0.0000</td> </tr> <tr> <td>Ethane</td> <td>10.6060</td> <td>2.8452</td> <td>H2S</td> <td>0.0001</td> <td>0.0000</td> </tr> <tr> <td>Propane</td> <td>4.3427</td> <td>1.2001</td> <td>Nitrogen</td> <td>1.1819</td> <td>0.0000</td> </tr> <tr> <td>Iso Butane</td> <td>0.6820</td> <td>0.2239</td> <td>* Hydrogen</td> <td>0.0000</td> <td>0.0000</td> </tr> <tr> <td>Butane</td> <td>1.3339</td> <td>0.4218</td> <td>* Oxygen</td> <td>0.0000</td> <td>0.0000</td> </tr> <tr> <td>Iso Pentane</td> <td>0.3140</td> <td>0.1152</td> <td>* Helium</td> <td>0.0000</td> <td>0.0000</td> </tr> <tr> <td>Pentane</td> <td>0.2911</td> <td>0.1058</td> <td>* Argon</td> <td>0.0000</td> <td>0.0000</td> </tr> <tr> <td>IsoPentane</td> <td>0.0000</td> <td>0.0000</td> <td>* Carbon Monoxide</td> <td>0.0000</td> <td>0.0000</td> </tr> <tr> <td>Hexane</td> <td>0.2612</td> <td>0.1169</td> <td>Sub Total Others</td> <td>1.2914</td> <td>0.0000</td> </tr> <tr> <td>* Heptane</td> <td>0.0000</td> <td>0.0000</td> <td></td> <td></td> <td></td> </tr> <tr> <td>* Octane</td> <td>0.0000</td> <td>0.0000</td> <td></td> <td></td> <td></td> </tr> <tr> <td>* Nonane</td> <td>0.0000</td> <td>0.0000</td> <td></td> <td></td> <td></td> </tr> <tr> <td>* Decane</td> <td>0.0000</td> <td>0.0000</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Sub Total GPM</td> <td>98.7086</td> <td>5.0289</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Others</td> <td>1.2914</td> <td>0.0000</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Total</td> <td>100.0000</td> <td>5.0289</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="6"> Gravity: 0.7038 Dry BTU: 1224.4 Wet BTU: 1203.1 * Not Tested </td> </tr> </tbody> </table>						Component	Mole %	GPM	Others	Mole %	GPM	Methane	80.8777	0.0000	Carbon Dioxide	0.1094	0.0000	Ethane	10.6060	2.8452	H2S	0.0001	0.0000	Propane	4.3427	1.2001	Nitrogen	1.1819	0.0000	Iso Butane	0.6820	0.2239	* Hydrogen	0.0000	0.0000	Butane	1.3339	0.4218	* Oxygen	0.0000	0.0000	Iso Pentane	0.3140	0.1152	* Helium	0.0000	0.0000	Pentane	0.2911	0.1058	* Argon	0.0000	0.0000	IsoPentane	0.0000	0.0000	* Carbon Monoxide	0.0000	0.0000	Hexane	0.2612	0.1169	Sub Total Others	1.2914	0.0000	* Heptane	0.0000	0.0000				* Octane	0.0000	0.0000				* Nonane	0.0000	0.0000				* Decane	0.0000	0.0000				Sub Total GPM	98.7086	5.0289				Others	1.2914	0.0000				Total	100.0000	5.0289				Gravity: 0.7038 Dry BTU: 1224.4 Wet BTU: 1203.1 * Not Tested					
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Meter 68847, Devon Bo Duke Fed 1H:

ENTERPRISE PERMIAN
 Preparer Code: 135476534
 Statement Title: Measurement Audit Statement(Differential)
 MEAS Contact: AMY CARROLL (713)381-6321
 STMT Contact: MARCUS WARE (713)381-7816

Accounting/Production Period: 04/2021
 Meter ID: 68847-01
 Meter Name: DEVON BO DUKE FED 1H
 BTU Basis: Dry
 Reporting Basis: MCF @ 14.730

RESOURCE ROCK SERVICES LLC
 Recipient Code: NA DRN
 Location Code: NA
 Report Date/Time: 06/07/2021 13:42
 Federal Lease:

CERTIFICATE OF ANALYSIS

Sample Id: 68847
 Sample Desc: DEVON BO DUKE FED 1H

District: 652 - INDIAN BASIN

Effective Date: 01/01/2021 09:00
 Sample Date: 12/03/2020 00:00
 Analyzed Date:
 Sample Freq: QUARTERLY

Sample Type: SPOT
 Sampled By:
 Analyzed By: FSLAB
 GPA Version: 2145-16

Device: (No spec equip)
 Chrom ID: N/A

Sample Temp (F): 94.0
 Sample Press (PSIG): 333.0
 Press Base: 14.73

Component	Mole %	GPM	Others	Mole %	GPM
Methane	77.3057	0.0000	Carbon Dioxide	2.5118	0.0000
Ethane	10.3105	2.7670	H2S	0.0000	0.0000
Propane	4.9280	1.3624	Nitrogen	1.0482	0.0000
Iso Butane	0.7126	0.2340	* Hydrogen	0.0000	0.0000
Butane	1.6144	0.5107	* Oxygen	0.0000	0.0000
Iso Pentane	0.4204	0.1543	* Helium	0.0000	0.0000
Pentane	0.4405	0.1602	* Argon	0.0000	0.0000
NeoPentane	0.0000	0.0000	* Carbon Monoxide	0.0000	0.0000
Hexane	0.7079	0.3171			
* Heptane	0.0000	0.0000	Sub Total Others	3.5600	0.0000
* Octane	0.0000	0.0000			
* Nonane	0.0000	0.0000			
* Decane	0.0000	0.0000			
Sub Total GPM	96.4400	5.5057			
Others	3.5600	0.0000			
Total	100.0000	5.5057			

Gravity: 0.7530
 Dry BTU: 1242.4
 Wet BTU: 1220.8

* Not Tested

Thanks,

Easton Robles

Volume Accountant

1100 Louisiana Street, Houston, TX 77002

Office: 713.381.4797

Email: erobles@eprod.com



Enterprise Products
Partners L.P.

From: Jennifer Elrod <JElrod@chisholmenergy.com>

Sent: Monday, June 7, 2021 1:40 PM

To: Robles, Easton <erobles@eprod.com>; Michelle Bates <MBates@chisholmenergy.com>

Cc: Hesse, Stephen <SHesse@eprod.com>; Sanchez, Marlene <MOSANCHEZ@eprod.com>; Bowman, Neil <BNBOWMAN@eprod.com>; EPCORreporting <EPCORreporting@eprod.com>

Subject: [EXTERNAL] RE: Gas Analysis

[Use caution with links/attachments]

We are needing facility mol percentage analysis to file with the C-129 for the new flare rule the OCD put into place.

We just need the most recent analysis. They haven't mandated timing of the analysis; so everyone that I've talked to said just get the most recent one you can.

Thanks,
Jennifer

From: Robles, Easton <erobles@eprod.com>

Sent: Monday, June 7, 2021 1:28 PM

To: Michelle Bates <MBates@chisholmenergy.com>

Cc: Jennifer Elrod <JElrod@chisholmenergy.com>; Hesse, Stephen <SHesse@eprod.com>; Sanchez, Marlene <MOSANCHEZ@eprod.com>; Bowman, Neil <BNBOWMAN@eprod.com>; EPCORreporting <EPCORreporting@eprod.com>

Subject: RE: Gas Analysis

Good afternoon Michelle,

I can see that you're looking for the gas analysis for meters 68725, Ocotillo 6 CPD and 68847, Devon Bo Duke Fed 1H.

- 1) Which month(s) do y'all require for this request?
- 2) What gas analysis information do y'all require? Do y'all need both GPM analysis and mol percentage analysis?

Thanks,

Easton Robles

Volume Accountant

1100 Louisiana Street, Houston, TX 77002

Office: 713.381.4797

Email: erobles@eprod.com



From: Bowman, Neil <BNBOWMAN@eprod.com>
Sent: Monday, June 7, 2021 1:12 PM
To: Michelle Bates <MBates@chisholmenergy.com>; EPCOReporting <EPCOReporting@eprod.com>
Cc: Jennifer Elrod <JElrod@chisholmenergy.com>; Robles, Easton <erobles@eprod.com>; Hesse, Stephen <SHesse@eprod.com>; Sanchez, Marlene <MOSANCHEZ@eprod.com>
Subject: RE: Gas Analysis

Easton,

Is this something you can assist with?

Regards,

Neil

From: Michelle Bates <MBates@chisholmenergy.com>
Sent: Monday, June 7, 2021 1:10 PM
To: EPCOReporting <EPCOReporting@eprod.com>
Cc: Jennifer Elrod <JElrod@chisholmenergy.com>
Subject: [EXTERNAL] FW: Gas Analysis

[Use caution with links/attachments]

Any updates to my request below? Our regulatory analyst has to report the gas analysis within the next couple of days.

Thank you,

Michelle Bates

Chisholm Energy Holdings, LLC
801 Cherry St., Suite 1200-Unit 20
Fort Worth, TX 76102
Direct: 817.953.3196
MBates@chisholmenergy.com

From: Michelle Bates
Sent: Friday, June 4, 2021 11:23 AM
To: EpcOReporting@eprod.com
Subject: Gas Analysis

Good morning,

Chisholm has to report gas analysis on some wells to the OCD per the new flare rules. I need gas analysis on the wells below and I also have a screenshot example of the requirements I will need.

68725D Ocotillo 6 CPD
68847C Devon Bo Duke Fed 1H
|
Example

Analysis	Mol%	GPM
Methane	68.5230	
Nitrogen	4.3090	
Carbon Dioxide	0.6720	
H2S	0.0000	
Other Inerts	0.0000	
C2	14.7610	3.9680
C3	7.7720	2.1490
IC4	0.7710	0.2530
NC4	1.8720	0.5920
C5+	1.3000	0.4410
Totals	100.0000	7.4030

Thank you for your help!!

Thank you,

Michelle Bates

Chisholm Energy Holdings, LLC
801 Cherry St., Suite 1200-Unit 20
Fort Worth, TX 76102
Direct: 817.953.3196
MBates@chisholmenergy.com

This message (including any attachments) is confidential and intended for a specific individual and purpose. If you are not the intended recipient, please notify the sender immediately and delete this message.

Chisholm Energy Operating, LLC has meters on all flares. The metered flare volumes reported are taken from our daily production software.

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 41901

QUESTIONS

Operator: CHISHOLM ENERGY OPERATING, LLC 801 Cherry Street Fort Worth, TX 76102	OGRID: 372137
	Action Number: 41901
	Action Type: [C-129] Venting and/or Flaring (C-129)

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	SPITFIRE 16 STATE COM BATTERY
Facility Type	Tank Battery - (TB)

Equipment Involved

Primary Equipment Involved	Producing Well
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	87
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	1
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	07/28/2021
Time venting or flaring was discovered or commenced	06:00 AM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	07/28/2021
Time venting or flaring was terminated	08:00 PM
Total duration of venting or flaring in hours, if venting or flaring has terminated	11
Longest duration of cumulative hours within any 24-hour period during this event	11

Measured or Estimated Volume of Vented or Flared Natural Gas

Natural Gas Vented (Mcf) Details	Cause: Other Producing Well Natural Gas Vented Spilled: 0 Mcf Recovered: 0 Mcf Lost: 0 Mcf]
Natural Gas Flared (Mcf) Details	Cause: Other Producing Well Natural Gas Flared Spilled: 172 Mcf Recovered: 0 Mcf Lost: 172 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	No
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

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	FWELL KICKING CAUSING SURGE IN PRODUCTION RESULTING IN FLARED VOLUMES
Steps taken to limit the duration and magnitude of venting or flaring	N/A
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	OUT OF OPERATOR CONTROL

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
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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

CONDITIONS

Action 41901

CONDITIONS

Operator: CHISHOLM ENERGY OPERATING, LLC 801 Cherry Street Fort Worth, TX 76102	OGRID: 372137
	Action Number: 41901
	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.	8/13/2021