Robles, Easton
Jennifer Eind; blichelle Bates
Hesse. Stroben; Sanchez, Marlene; Bowman, Neil; EPCOReporting
RE: Gas Analysis
Tuesday, June 29, 2021 8:35:01 AM
imace000.snq
imace000.snq
imace000.snq
imace000.nnq
imace000.nnq

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:

MEAS Contact: STMT Contact:	AN 135476534 Measurement Audit Statement([ANY CARROLL (713)381-6321 MARCUS WARE (713)381-7816	ifferential)	Meter ID: Meter Name: BTU Basis: Reporting Ba	685 MES Dry sis: MCF	Period: 05/2021 88-01 A ARRIBA CPD @ 14.730			CHISHOLM EHERGY OPERATING LLC Recipient Code: Location Code: NA DRN Report Date/Time: 06/29/2021 08:33 Federal Lease:
					ANALYSIS			
Sample Id: Sample Desc: Effective Date: Sample Date: Analyzed Date: Sample Freq: Sample Temp (F): Sample Press (PS) Press Base:	68588 MESA ARRIBA #1 05/01/2021 09:00 04/28/2021 00:00 QUARTERLY 69.0 16): 312.0 14.73	9	Sample Type: Sampled By: Analyzed By: SPA Version: Mole %	FSLAB 2145-16	Others	Mole %	CDM	District: 652 - INDIAN BASIN Device: (No spec equip) Chrom ID: N/A
		Methane Ethane Propane Iso Butane Bso Pentane Pentane NeoPentane NeoPentane NeoTentane NeoTentane NeoTentane NeoTentane NeoTentane Nonane Octane Nonane Total Gravity: Dry BTU: Wet BTU:	86.591 6.9932 2.6637 0.7938 0.7938 0.7938 0.7000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 1.7663 1.7663 1.7663 1.7663	0.0000 1.8511 0.7413 0.1299 0.2495 0.0872 0.0823 0.0000 0.1823 0.0000 0.0000 0.0000 0.0000 0.0000 3.3235	Carbon Dioxide RES IN tropgen Hydrogen Oxygen Argon Carbon Monoxide Sub Total Others	0.9761 0.9761 0.0000 0.7902 0.0000 0.0000 0.0000 0.0000 1.7663	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	

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: 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 <8NBOWMAN@eprod.com>; EPCOReporting <EPCOReporting@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 <<u>erobles@eprod.com</u>>

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

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

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

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 S MEAS Contact: AMY CARROLL (713)38 STMT Contact: MARCUS MARE (713)38	tatement(Differential) 1-6321	Accounting/Production Meter ID: Meter Name: BTU Basis: Reporting Basis:	ction Period: 04/2021 68725-01 0COTILLO 6 CPD Dry MCF @ 14.730	DEVON EHERCY PRODUCTION COMPANY, L.P. Recipient Code: 088003756 Location Code: 18 Report Date/Time: 06/07/2021 13:41 Federal Lease:				
	CERTIFICATE OF ANALYSIS							
Sample Id: 68725 Sample Desc: 0COTILLO STATE 6 Effective 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		Sample Type: SPOI Sampled By: Analyzed By: FSL/ GPA Version: 214!	NB 3-16	District: 652 - INDIAN BASIN Device: (No spec equip) Chrom ID: N/A				
	Component Methane Ethane Propane Iso Butane Butane Iso Pentane Pentane NecoPentane NecoPe	Nole \$ GPM	152 H25 101 Hitrogen 139 • Hydrogen 152 • Hydrogen 152 • Helium 155 • Argon 1000 • Carbon Monoxide 159 1000 • Sub Total Others 1000 1000 1000 1000 1000 1000 1000 10	0.1994 0.0000 0.0001 0.0000 1.1819 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 1.0000 1.2914 0.0000				

Meter 68847, Devon Bo Duke Fed 1H:

ENTERPRISE PERMIAN

EMILIANTALS: PERMIAN
Preparer Code: 13476534
Statement Title: Measurement Audit Statement(Differential)
MEAS Contact: AWY CARROLL (713)381-6321
STMT Contact: MARCUS MARE (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
Report Date/Time: 06/07/2021 13:42
Federal Lease:

CERTIFICATE OF ANALYSIS

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

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

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

District: 652 - INDIAN BASIN

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

Mole % GPM Methane
Ethane
Propane
Iso Butane
Butane
Butane
Iso Pentane
NeoPentane
Hexane
Heptane
Octane
Nonane
Decane

77.3057 0.0000 10.3105 2.7670 4.9280 1.3624 0.7126 0.2340 1.6144 0.5107 0.4204 0.1543 0.4005 0.1602 0.0000 0.0000 0.7079 0.3171 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 96.4400 5.5057

3.5600 0.0000

100.0000 5.5057

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

Others Mole % GPM Carbon Dioxide H2S Nitrogen Hydrogen Oxygen Helium 2.5118 0.0000 0.0000 0.0000 1.0482 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 3.5600 0.0000 Sub Total Others

Gravity: Dry BTU: Wet BTU: 0.7530 1242.4 1220.8

" Not Tested

Sub Total GPM

Others Total

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: Monday, June 7, 2021 1:40 PM

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

Cc: Hesse, Stephen SHBSSE@eprod.com">SBCOReporting@eprod.com; Bowman, Neil BNBOWMAN@eprod.com; EPCOReporting@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.

Jennifer

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

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

To: Michelle Bates < MBates@chisholmenergy.com>

Cc: Jennifer Elrod <|Elrod@chisholmenergy.com>: Hesse. Stephen <SHesse@eprod.com>: Sanchez. Marlene <MOSANCHEZ@eprod.com>: Bowman, Neil <BNBOWMAN@eprod.com>: EPCOReporting <EPCOReporting@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 < JEIrod@chisholmenergy.com>; Robles, Easton < erobles@eprod.com>; Hesse, Stephen < SHesse@eprod.com>; Sanchez, Marlene < MOSANCHEZ@eprod.com>

Subject: RE: Gas Analysis

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 < IElrod@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

Analysis	Mol%	GPM
Methane	68.5230	
Nitrogen	4.3090	
Carbon Dioxide	0.6720	
H2S	0.0000	
Other Inerts	0.0000	
C2	14.7810	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.

<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 64390

QUESTIONS

Operator:	OGRID:
CHISHOLM ENERGY OPERATING, LLC	372137
801 Cherry Street	Action Number:
Fort Worth, TX 76102	64390
	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	Not answered.		
Incident Facility	[fAPP2123833729] SPITFIRE 16 STATE COM BATTERY		

Determination of Reporting Requirements	
Answer all questions that apply. The Reason(s) statements are calculated based on your answers a	nd 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	Yes
Is this considered a submission for a venting and/or flaring event	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 v	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	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 (C02) percentage, if greater than one percent	1	
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	11/10/2021			
Time venting and/or flaring was discovered or commenced	06:00 AM			
Time venting and/or flaring was terminated	04:00 PM			
Cumulative hours during this event	10			

Measured or Estimated Volume of Vented or Flared Natural Gas		
Natural Gas Vented (Mcf) Details Cause: Equipm Recovered: 0 M	nent Failure Producing Well Natural Gas Vented Released: 0 Mcf lcf Lost: 0 Mcf]	

Natural Gas Flared (Mcf) Details	Cause: Equipment Failure Producing Well Natural Gas Flared Released: 58 Mcf Recovered: 0 Mcf Lost: 58 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	Yes	
Was notification of downstream activity received by you or your operator	No	
Downstream OGRID that should have notified you or your operator	[237340] ENTERPRISE FIELD SERVICES	
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	Equipment Failure
Steps taken to limit the duration and magnitude of venting and/or flaring	N/A
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	Equipment Repaired

District I
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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 64390

CONDITIONS

Operator:	OGRID:
CHISHOLM ENERGY OPERATING, LLC	372137
801 Cherry Street	Action Number:
Fort Worth, TX 76102	64390
	Action Type:
	[C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
slasater1	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.	12/1/2021