

MANLEY GAS TESTING, INC.

P.O. DRAWER 193
OFFICE(432)367-3024

FAX(432)367-1166

ODESSA, TEXAS 79760
E-MAIL: MANLEYGAST@AOL.COMCHARGE..... 14 - 1
REC. NO..... 0
TEST NUMBER.. 40784DATE SAMPLED..... 01-19-22
DATE RUN..... 01-28-22
EFFECT. DATE..... --

STATION NO. ... TO-TW1660

SAMPLE NAME.... TITUS - CTB 20 SALES CHECK
RECEIVED FROM.. MEASUREMENT TESTING SERVICE
LOCATION ODESSA TX.

FLOWING PRESSURE 170 PSIG

FLOWING TEMPERATURE 75 F

SAMPLED BY: TR

CYLINDER NO. ...

FRACTIONAL ANALYSIS
CALCULATED @ 14.650 PSIA AND 60F

	MOL%	GPM (REAL)
HYDROGEN SULFIDE...	0.000	
NITROGEN.....	1.359	
CARBON DIOXIDE.....	0.287	
METHANE.....	68.045	
ETHANE.....	14.498	3.8747
PROPANE.....	9.018	2.4827
ISO-BUTANE.....	1.062	0.3473
NOR-BUTANE.....	3.058	0.9634
ISO-PENTANE.....	0.671	0.2452
NOR-PENTANE.....	0.800	0.2897
HEXANES +.....	1.202	0.5241
TOTALS	100.000	8.7271

'Z' FACTOR (DRY) = 0.9950
'Z' FACTOR (WET) = 0.9946

..CALCULATED SPECIFIC GRAVITIES..

IDEAL, DRY.....	0.8402
IDEAL, WET	0.8364
REAL, DRY	0.8441
REAL, WET	0.8406

..CALCULATED GROSS HEATING VALUES..

BTU/CF - IDEAL, DRY	1421.1
BTU/CF - IDEAL, WET	1397.1
BTU/CF - REAL, DRY	1428.2
BTU/CF - REAL, WET	1404.7

DISTRIBUTION AND REMARKS:

GREG BINGHAM(PMI)

ANALYZED BY: CM

APPROVED: 

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REC. NO. 0
TEST NUMBER.. 40785DATE SAMPLED..... 01-17-22
DATE RUN..... 01-28-22
EFFECT. DATE..... --

STATION NO. ... TO-TH1608

SAMPLE NAME.... TITUS - CTB 30 CHECK
RECEIVED FROM.. MEASUREMENT TESTING SERVICE
LOCATION ODESSA TX.

FLOWING PRESSURE 49 PSIG

FLOWING TEMPERATURE 101 F

SAMPLED BY: CB

CYLINDER NO. ...

FRACTIONAL ANALYSIS
CALCULATED @ 14.650 PSIA AND 60F

	MOL%	GPM (REAL)
HYDROGEN SULFIDE...	0.002	
NITROGEN.....	1.329	
CARBON DIOXIDE.....	3.498	
METHANE.....	69.431	
ETHANE.....	11.833	3.1618
PROPANE.....	7.134	1.9636
ISO-BUTANE.....	1.053	0.3443
NOR-BUTANE.....	2.685	0.8458
ISO-PENTANE.....	0.764	0.2791
NOR-PENTANE.....	0.798	0.2890
HEXANES +.....	1.473	0.6421
TOTALS	100.000	7.5257

H2S PPMV = 20

'Z' FACTOR (DRY) = 0.9952
'Z' FACTOR (WET) = 0.9948

..CALCULATED SPECIFIC GRAVITIES..

IDEAL, DRY..... 0.8434
IDEAL, WET 0.8395
REAL, DRY 0.8471
REAL, WET 0.8436

..CALCULATED GROSS HEATING VALUES..

BTU/CF - IDEAL, DRY 1345.9
BTU/CF - IDEAL, WET 1323.2
BTU/CF - REAL, DRY 1352.4
BTU/CF - REAL, WET 1330.1

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REC. NO. 0
TEST NUMBER.. 40786DATE SAMPLED..... 01-20-22
DATE RUN..... 01-28-22
EFFECT. DATE..... --

STATION NO. ... TO-WS1804

SAMPLE NAME.... TITUS - WILD SALSA CTB - SWEET SCRUB
RECEIVED FROM.. MEASUREMENT TESTING SERVICE
LOCATION ODESSA TX.

FLOWING PRESSURE 122 PSIG

FLOWING TEMPERATURE 89 F

SAMPLED BY: TR

CYLINDER NO. ...

FRACTIONAL ANALYSIS
CALCULATED @ 14.650 PSIA AND 60F

	MOL%	GPM (REAL)
HYDROGEN SULFIDE...	0.000	
NITROGEN.....	1.575	
CARBON DIOXIDE.....	0.441	
METHANE.....	73.546	
ETHANE.....	13.178	3.5187
PROPANE.....	6.467	1.7788
ISO-BUTANE.....	0.842	0.2751
NOR-BUTANE.....	2.012	0.6333
ISO-PENTANE.....	0.486	0.1774
NOR-PENTANE.....	0.535	0.1936
HEXANES +.....	0.918	0.4000
TOTALS	100.000	6.9769

'Z' FACTOR (DRY) = 0.9959
'Z' FACTOR (WET) = 0.9955

..CALCULATED SPECIFIC GRAVITIES..

IDEAL, DRY..... 0.7768
IDEAL, WET 0.7741
REAL, DRY 0.7797
REAL, WET 0.7773

..CALCULATED GROSS HEATING VALUES..

BTU/CF - IDEAL, DRY 1315.6
BTU/CF - IDEAL, WET 1293.5
BTU/CF - REAL, DRY 1321.0
BTU/CF - REAL, WET 1299.3

DISTRIBUTION AND REMARKS:

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REC. NO. 0
TEST NUMBER.. 40787DATE SAMPLED..... 01-20-22
DATE RUN..... 01-28-22
EFFECT. DATE..... --

STATION NO. ... TO-WS-SALES GAS

SAMPLE NAME.... TITUS - WILD SALSA CTB SALES
RECEIVED FROM.. MEASUREMENT TESTING SERVICE
LOCATION ODESSA TX.

FLOWING PRESSURE 117 PSIG

FLOWING TEMPERATURE 84 F

SAMPLED BY: CB

CYLINDER NO. ...

FRACTIONAL ANALYSIS
CALCULATED @ 14.650 PSIA AND 60F

	MOL%	GPM (REAL)
HYDROGEN SULFIDE...	0.000	
NITROGEN.....	1.534	
CARBON DIOXIDE.....	4.158	
METHANE.....	67.748	
ETHANE.....	12.693	3.3912
PROPANE.....	7.669	2.1107
ISO-BUTANE.....	1.087	0.3554
NOR-BUTANE.....	2.631	0.8286
ISO-PENTANE.....	0.673	0.2459
NOR-PENTANE.....	0.705	0.2553
HEXANES +.....	1.102	0.4805
TOTALS	100.000	7.6676

H2S PPMV = 1

'Z' FACTOR (DRY) = 0.9953
'Z' FACTOR (WET) = 0.9949

..CALCULATED SPECIFIC GRAVITIES..

IDEAL, DRY.....	0.8462
IDEAL, WET	0.8423
REAL, DRY	0.8499
REAL, WET	0.8463

..CALCULATED GROSS HEATING VALUES..

BTU/CF - IDEAL, DRY	1330.6
BTU/CF - IDEAL, WET	1308.2
BTU/CF - REAL, DRY	1336.9
BTU/CF - REAL, WET	1314.9

DISTRIBUTION AND REMARKS:

GREG BINGHAM(PMI)

ANALYZED BY: CM

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TEST NUMBER.. 40788DATE SAMPLED..... 01-20-22
DATE RUN..... 01-28-22
EFFECT. DATE..... --

STATION NO. ... TO-WS1802

SAMPLE NAME.... TITUS - WILD SALSA CTB - SOUR SCRUB
RECEIVED FROM.. MEASUREMENT TESTING SERVICE
LOCATION ODESSA TX.

FLOWING PRESSURE 124 PSIG

FLOWING TEMPERATURE 81 F

SAMPLED BY: TR

CYLINDER NO. ...

**FRACTIONAL ANALYSIS
CALCULATED @ 14.650 PSIA AND 60F**

	MOL%	GPM (REAL)
HYDROGEN SULFIDE...	0.001	
NITROGEN.....	1.520	
CARBON DIOXIDE.....	7.546	
METHANE.....	63.122	
ETHANE.....	12.243	3.2723
PROPANE.....	8.628	2.3756
ISO-BUTANE.....	1.275	0.4170
NOR-BUTANE.....	3.087	0.9727
ISO-PENTANE.....	0.796	0.2910
NOR-PENTANE.....	0.803	0.2909
HEXANES +.....	0.979	0.4270
TOTALS	100.000	8.0465

H2S PPMV = 5

'Z' FACTOR (DRY) = 0.9949
'Z' FACTOR (WET) = 0.9945**..CALCULATED SPECIFIC GRAVITIES..**IDEAL, DRY..... 0.8963
IDEAL, WET 0.8915
REAL, DRY 0.9005
REAL, WET 0.8961**..CALCULATED GROSS HEATING VALUES..**BTU/CF - IDEAL, DRY 1323.6
BTU/CF - IDEAL, WET 1301.3
BTU/CF - REAL, DRY 1330.4
BTU/CF - REAL, WET 1308.5**DISTRIBUTION AND REMARKS:**

GREG BINGHAM(PMI)

ANALYZED BY: CM

APPROVED: 

Calculations for the total Mcf flared

End Meter Volume – the Begin Meter Volume.

***Composition for the gas has been entered into the question portion of the C-129.

If further back up is needed please let us know and will provide requested data.

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District II
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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

DEFINITIONS

Action 158314

DEFINITIONS

Operator: Earthstone Operating, LLC 1400 Woodloch Forest; Ste 300 The Woodlands, TX 77380	OGRID: 331165
	Action Number: 158314
	Action Type: [C-129] Venting and/or Flaring (C-129)

DEFINITIONS

For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application: • this application's operator, hereinafter "this operator"; • venting and/or flaring, hereinafter "vent or flare"; • any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms"; • the statements in (and/or attached to) this, hereinafter "the statements in this"; • and the past tense will be used in lieu of mixed past/present tense questions and statements.
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QUESTIONS

Action 158314

QUESTIONS

Operator: Earthstone Operating, LLC 1400 Woodloch Forest; Ste 300 The Woodlands, TX 77380	OGRID: 331165
	Action Number: 158314
	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	Unavailable.
Incident Facility	[fAPP2123841166] EL CAMPEON CTB 20

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 this vent or flare caused by an emergency or malfunction	Yes
Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event	Yes
Is this considered a submission for a vent or flare 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 venting and/or flaring that is or may be a major or minor release under 19.15.29.7 NMAC.

Was there at least 50 MCF of natural gas vented and/or flared during this event	Yes
Did this vent or flare 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 vent or flare within an incorporated municipal boundary or within 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

Equipment Involved

Primary Equipment Involved	Gas Compressor Station
Additional details for Equipment Involved. Please specify	Rattlesnake Station Compressor Down

Representative Compositional Analysis of Vented or Flared Natural Gas

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

Methane (CH4) percentage	68
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.

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QUESTIONS, Page 2

Action 158314

QUESTIONS (continued)

Operator: Earthstone Operating, LLC 1400 Woodloch Forest; Ste 300 The Woodlands, TX 77380	OGRID: 331165
	Action Number: 158314
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	11/11/2022
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	11:59 PM
Cumulative hours 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: Midstream Emergency Maintenance Gas Compressor Station Natural Gas Flared Released: 2,461 Mcf Recovered: 0 Mcf Lost: 2,461 Mcf.
Other Released Details	Not answered.
Additional details for Measured or Estimated Volume(s). Please specify	Metered at Flare
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 this vent or flare a result of downstream activity	Yes
Was notification of downstream activity received by this operator	No
Downstream OGRID that should have notified this operator	[238258] TARGA RESOURCES INC
Date notified of downstream activity requiring this vent or flare	Not answered.
Time notified of downstream activity requiring this vent or flare	Not answered.

Steps and Actions to Prevent Waste	
For this event, this operator could not have reasonably anticipated the current event and it was beyond this operator's control.	True
Please explain reason for why this event was beyond this operator's control	Curtailed by gas purchaser. Rattlesnake Compressor down
Steps taken to limit the duration and magnitude of vent or flare	Working with midstream
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Gas Purchaser repairing compressor station

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ACKNOWLEDGMENTS

Action 158314

ACKNOWLEDGMENTS

Operator: Earthstone Operating, LLC 1400 Woodloch Forest; Ste 300 The Woodlands, TX 77380	OGRID: 331165
	Action Number: 158314
	Action Type: [C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

☒	I acknowledge that I am authorized to submit a <i>Venting and/or Flaring</i> (C-129) report on behalf of this operator and understand that this report can be a complete C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.
☒	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to this operator) to track any C-129 forms, pursuant to 19.15.27.7 and 19.15.28.8 NMAC and understand that this submission meets the notification requirements of Paragraph (1) of Subsection G and F respectively.
☒	I hereby certify the statements in this report are true and correct to the best of my knowledge and acknowledge that any false statement may be subject to civil and criminal penalties under the Oil and Gas Act.
☒	I acknowledge that the acceptance of any C-129 forms by the OCD does not relieve this operator of liability should their operations have failed to adequately investigate, report, and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment.
☒	I acknowledge that OCD acceptance of any C-129 forms does not relieve this operator of responsibility for compliance with any other applicable federal, state, or local laws and/or regulations.

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CONDITIONS

Action 158314

CONDITIONS

Operator: Earthstone Operating, LLC 1400 Woodloch Forest; Ste 300 The Woodlands, TX 77380	OGRID: 331165
	Action Number: 158314
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
gkirkland	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.	11/14/2022