

## MANLEY GAS TESTING, INC.

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

FAX(432)367-1166

ODESSA, TEXAS 79760  
E-MAIL: MANLEYGAST@AOL.COMCHARGE..... 150 - 0  
REC. NO. .... 1  
TEST NUMBER.. 23426DATE SAMPLED..... 01-29-21  
DATE RUN..... 02-10-21  
EFFECT. DATE..... 02-01-21

STATION NO. ... 06511001

PRODUCER ..... FRONTIER FIELD SERVICES

SAMPLE NAME.... LOBO COMPRESSOR FLARE GAS

TYPE: SPOT

RECEIVED FROM.. FRONTIER FIELD SERVICES LLC - MALJAMAR

FLOWING PRESSURE ..... 478.0 PSIA

FLOWING TEMPERATURE ..... 90 F

SAMPLED BY: DD

CYLINDER NO. ...

FRACTIONAL ANALYSIS  
CALCULATED @ 14.650 PSIA AND 60F

|                     | MOL%    | GPM<br>(REAL) |
|---------------------|---------|---------------|
| HYDROGEN SULFIDE... | 0.200   |               |
| NITROGEN.....       | 4.390   |               |
| CARBON DIOXIDE..... | 1.384   |               |
| METHANE.....        | 71.108  |               |
| ETHANE.....         | 13.778  | 3.677         |
| PROPANE.....        | 6.199   | 1.704         |
| ISO-BUTANE.....     | 0.676   | 0.221         |
| NOR-BUTANE.....     | 1.445   | 0.455         |
| ISO-PENTANE.....    | 0.268   | 0.097         |
| NOR-PENTANE.....    | 0.231   | 0.083         |
| HEXANES +.....      | 0.321   | 0.139         |
| TOTALS .....        | 100.000 | 6.376         |

H2S PPMV = 2000

'Z' FACTOR (DRY) = 0.9964  
'Z' FACTOR (WET) = 0.9960

CALC. MOL. WT. = 22.08

## ..CALCULATED SPECIFIC GRAVITIES..

REAL, DRY ..... 0.7649

REAL, WET ..... 0.7628

## ..CALCULATED GROSS HEATING VALUES..

BTU/CF - REAL, DRY ..... 1224

BTU/CF - REAL, WET ..... 1204

## DISTRIBUTION AND REMARKS:

N

ANALYZED BY: JT  
\*\* R \*\*  
~ HE ~

APPROVED: MC

Facility: Lobo

|                   | Volume<br>MCF |
|-------------------|---------------|
| 7/22/21 0:00      | 0.000         |
| 7/22/21 1:00      | 0.000         |
| 7/22/21 2:00      | 0.000         |
| 7/22/21 3:00      | 18.664        |
| 7/22/21 4:00      | 261.086       |
| 7/22/21 5:00      | 268.542       |
| 7/22/21 6:00      | 268.622       |
| 7/22/21 7:00      | 275.167       |
| 7/22/21 8:00      | 287.243       |
| 7/22/21 9:00      | 276.776       |
| 7/22/21 10:00     | 268.126       |
| 7/22/21 11:00     | 255.854       |
| 7/22/21 12:00     | 227.732       |
| 7/22/21 13:00     | 119.340       |
| 7/22/21 14:00     | 73.660        |
| 7/22/21 15:00     | 13.925        |
| 7/22/21 16:00     | 2.068         |
| 7/22/21 17:00     | 0.000         |
| 7/22/21 18:00     | 0.000         |
| 7/22/21 19:00     | 0.000         |
| 7/22/21 20:00     | 0.000         |
| 7/22/21 21:00     | 0.000         |
| 7/22/21 22:00     | 0.000         |
| 7/22/21 23:00     | 0.000         |
| <b>Avg/Total:</b> | 2337.0559     |

**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 37658

**QUESTIONS**

|                                                                                                |                                                        |
|------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>FRONTIER FIELD SERVICES, LLC<br>10077 Grogans Mill Rd.<br>The Woodlands, TX 77380 | OGRID:<br>221115                                       |
|                                                                                                | Action Number:<br>37658                                |
|                                                                                                | Action Type:<br>[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                                                                                                                                                                                                                  | Yes                                           |
| 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, major 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 | Not answered. |
| Facility Type         | Not answered. |

**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                                                                                                      | 71            |
| Nitrogen (N2) percentage, if greater than one percent                                                                         | 4             |
| 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                                 | 07/22/2021 |
| Time venting or flaring was discovered or commenced                                 | 03:00 AM   |
| Is the venting or flaring event complete                                            | Yes        |
| Date venting or flaring was terminated                                              | 07/22/2021 |
| Time venting or flaring was terminated                                              | 04:00 PM   |
| Total duration of venting or flaring in hours, if venting or flaring has terminated | 14         |
| Longest duration of cumulative hours within any 24-hour period during this event    | 14         |

**Measured or Estimated Volume of Vented or Flared Natural Gas**

|                                                                        |                                                                                                           |
|------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Natural Gas Vented (Mcf) Details                                       | Not answered.                                                                                             |
| Natural Gas Flared (Mcf) Details                                       | Cause: Other   Gas Plant   Natural Gas Flared   Spilled: 2,617 Mcf   Recovered: 0 Mcf   Lost: 2,617 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      | Not answered. |
| 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                                                    | Gas Company New Mexico slammed valve shut so gas could not flow from plant causing the plant to back gas out to the field. |
| Steps taken to limit the duration and magnitude of venting or flaring                                                          | Backed gas out to the field- resumed operations once GCNM resolved issue.                                                  |
| Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring                                         | No corrective actions on our part- cause was due to third party malfunction                                                |

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CONDITIONS  
  
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|                                                                                                |                                                        |
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|                                                                                                | Action Number:<br>37658                                |
|                                                                                                | Action Type:<br>[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. | 7/23/2021      |