

## MANLEY GAS TESTING, INC.

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

FAX(432)367-1166

ODESSA, TEXAS 79760  
E-MAIL: MANLEYGAST@AOL.COMCHARGE..... 99 - 1  
REC. NO. .... 0  
TEST NUMBER.. 14050DATE SAMPLED..... 05-10-21  
DATE RUN..... 05-10-21  
EFFEC. DATE..... --

STATION NO. ... 8101020

SAMPLE NAME.... HADES 3-5H HCC4M  
RECEIVED FROM.. CHARTS LTD.  
LOCATION ..... MIDLAND TEXAS

FLOWING PRESSURE ..... 81 PSIG

FLOWING TEMPERATURE ..... 94 F

SAMPLED BY: JL

CYLINDER NO. ...

FRACTIONAL ANALYSIS  
CALCULATED @ 14.650 PSIA AND 60F

|                     | MOL%    | GPM (REAL) |
|---------------------|---------|------------|
| HYDROGEN SULFIDE... | 0.000   |            |
| NITROGEN.....       | 1.511   |            |
| CARBON DIOXIDE..... | 0.193   |            |
| METHANE.....        | 71.924  |            |
| ETHANE.....         | 13.768  | 3.6773     |
| PROPANE.....        | 7.359   | 2.0248     |
| ISO-BUTANE.....     | 0.980   | 0.3203     |
| NOR-BUTANE.....     | 2.291   | 0.7214     |
| ISO-PENTANE.....    | 0.533   | 0.1947     |
| NOR-PENTANE.....    | 0.553   | 0.2002     |
| HEXANES +.....      | 0.888   | 0.3870     |
| TOTALS .....        | 100.000 | 7.5257     |

'Z' FACTOR (DRY) = 0.9956  
'Z' FACTOR (WET) = 0.9952

## ..CALCULATED SPECIFIC GRAVITIES..

IDEAL, DRY..... 0.7922  
IDEAL, WET ..... 0.7892  
REAL, DRY ..... 0.7954  
REAL, WET ..... 0.7927

## ..CALCULATED GROSS HEATING VALUES..

BTU/CF - IDEAL, DRY .... 1346.7  
BTU/CF - IDEAL, WET .... 1324.0  
BTU/CF - REAL, DRY .... 1352.7  
BTU/CF - REAL, WET .... 1330.4

DISTRIBUTION AND REMARKS:

ANALYZED BY: CM

APPROVED: 

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E-MAIL: MANLEYGAST@AOL.COMCHARGE..... 99 - 1  
REC. NO. .... 0  
TEST NUMBER.. 14051DATE SAMPLED..... 05-10-21  
DATE RUN..... 05-10-21  
EFFEC. DATE..... --

STATION NO. ...

SAMPLE NAME.... HADES 3H  
RECEIVED FROM.. CHARTS LTD.  
LOCATION ..... MIDLAND TEXAS

FLOWING PRESSURE ..... 98 PSIG

FLOWING TEMPERATURE ..... 95 F

SAMPLED BY: JL

CYLINDER NO. ...

FRACTIONAL ANALYSIS  
CALCULATED @ 14.650 PSIA AND 60F

|                     | MOL%    | GPM (REAL) |
|---------------------|---------|------------|
| HYDROGEN SULFIDE... | 0.000   |            |
| NITROGEN.....       | 1.426   |            |
| CARBON DIOXIDE..... | 0.209   |            |
| METHANE.....        | 71.381  |            |
| ETHANE.....         | 14.049  | 3.7524     |
| PROPANE.....        | 7.560   | 2.0801     |
| ISO-BUTANE.....     | 1.011   | 0.3305     |
| NOR-BUTANE.....     | 2.369   | 0.7459     |
| ISO-PENTANE.....    | 0.548   | 0.2002     |
| NOR-PENTANE.....    | 0.567   | 0.2053     |
| HEXANES +.....      | 0.880   | 0.3835     |
| TOTALS .....        | 100.000 | 7.6979     |

'Z' FACTOR (DRY) = 0.9956  
'Z' FACTOR (WET) = 0.9952

## ..CALCULATED SPECIFIC GRAVITIES..

IDEAL, DRY..... 0.7972  
IDEAL, WET ..... 0.7941  
REAL, DRY ..... 0.8004  
REAL, WET ..... 0.7976

## ..CALCULATED GROSS HEATING VALUES..

BTU/CF - IDEAL, DRY .... 1355.5  
BTU/CF - IDEAL, WET .... 1332.7  
BTU/CF - REAL, DRY .... 1361.5  
BTU/CF - REAL, WET .... 1339.1

DISTRIBUTION AND REMARKS:

ANALYZED BY: CM

APPROVED: 

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E-MAIL: MANLEYGAST@AOL.COMCHARGE..... 99 - 1  
REC. NO. .... 0  
TEST NUMBER.. 14052DATE SAMPLED..... 05-10-21  
DATE RUN..... 05-10-21  
EFFEC. DATE..... --

STATION NO. ...

SAMPLE NAME.... HADES 5H  
RECEIVED FROM.. CHARTS LTD.  
LOCATION ..... MIDLAND TEXAS

FLOWING PRESSURE ..... 101 PSIG

FLOWING TEMPERATURE ..... 98 F

SAMPLED BY: JL

CYLINDER NO. ...

FRACTIONAL ANALYSIS  
CALCULATED @ 14.650 PSIA AND 60F

|                     | MOL%    | GPM (REAL) |
|---------------------|---------|------------|
| HYDROGEN SULFIDE... | 0.000   |            |
| NITROGEN.....       | 1.582   |            |
| CARBON DIOXIDE..... | 0.176   |            |
| METHANE.....        | 72.611  |            |
| ETHANE.....         | 13.424  | 3.5848     |
| PROPANE.....        | 7.176   | 1.9740     |
| ISO-BUTANE.....     | 0.963   | 0.3146     |
| NOR-BUTANE.....     | 2.247   | 0.7074     |
| ISO-PENTANE.....    | 0.516   | 0.1884     |
| NOR-PENTANE.....    | 0.531   | 0.1922     |
| HEXANES +.....      | 0.774   | 0.3374     |
| TOTALS .....        | 100.000 | 7.2988     |

'Z' FACTOR (DRY) = 0.9958  
'Z' FACTOR (WET) = 0.9954

## ..CALCULATED SPECIFIC GRAVITIES..

IDEAL, DRY..... 0.7842  
IDEAL, WET ..... 0.7814  
REAL, DRY ..... 0.7872  
REAL, WET ..... 0.7847

## ..CALCULATED GROSS HEATING VALUES..

BTU/CF - IDEAL, DRY .... 1333.6  
BTU/CF - IDEAL, WET .... 1311.1  
BTU/CF - REAL, DRY .... 1339.2  
BTU/CF - REAL, WET .... 1317.2

DISTRIBUTION AND REMARKS:

ANALYZED BY: CM

APPROVED: 



Hades Flare Gas Meter

10/23/2021

2652

**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 60052

**QUESTIONS**

|                                                                         |                                                        |
|-------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>BTA OIL PRODUCERS, LLC<br>104 S Pecos<br>Midland, TX 79701 | OGRID:<br>260297                                       |
|                                                                         | Action Number:<br>60052                                |
|                                                                         | Action Type:<br>[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     | [30-015-46135] HADES 22102 2 STATE COM #003H |
| Incident Facility | Not answered.                                |

**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 and/or flaring caused by an emergency or malfunction                                                                                                                                                                                                                  | No                                                |
| 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, 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 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                                | 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                                     | 72 |
| Nitrogen (N2) percentage, if greater than one percent        | 2  |
| Hydrogen Sulfide (H2S) PPM, rounded up                       | 0  |
| Carbon Dioxide (CO2) percentage, if greater than one percent | 0  |
| 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 and/or flaring was discovered or commenced | 10/23/2021 |
| Time venting and/or flaring was discovered or commenced | 12:00 AM   |
| Time venting and/or flaring 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: Normal Operations   Pipeline (Any)   Natural Gas Flared   Released: 2,652 Mcf   Recovered: 0 Mcf   Lost: 2,652 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      | Not answered. |
| Was notification of downstream activity received by you or your operator   | Not answered. |
| Downstream OGRID that should have notified you or your operator            | Not answered. |
| 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                                                    | No Sales Line - ACO |
| Steps taken to limit the duration and magnitude of venting and/or flaring                                                      | Install Sales Line  |
| Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring                                     | Install Sales Line  |

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CONDITIONS  
  
Action 60052

CONDITIONS

|                                                                         |                                                        |
|-------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>BTA OIL PRODUCERS, LLC<br>104 S Pecos<br>Midland, TX 79701 | OGRID:<br>260297                                       |
|                                                                         | Action Number:<br>60052                                |
|                                                                         | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

CONDITIONS

| Created By   | Condition                                                                                                                                                                          | Condition Date |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| vanessa king | 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. | 11/4/2021      |