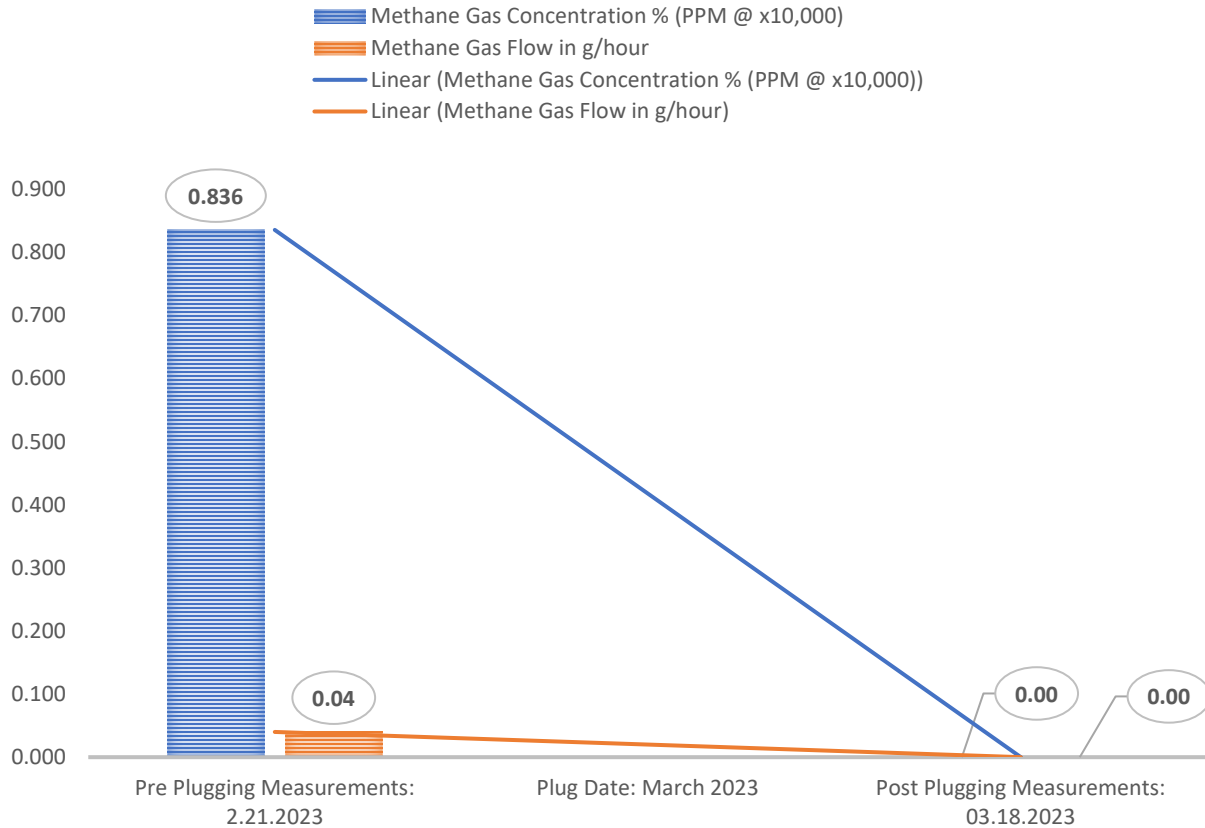


# METHANE GAS EMISSIONS REDUCTION O'BRIEN FEE 24 #002 (30-005-60923)



**C6+ Gas Analysis Report**

Sample Point Code: 16091G | Sample Point Name: O'Brien Fee 24 #002 POST PLUG | Sample Point Location: O'Brien Fee 24 #002

Laboratory Services: 2023066032 | Tedlar Bag | CES - Spot

Source Laboratory: USA | Lab File No: USA | Container Identity: USA | Sampler: New Mexico

District: USA | Area Name: USA | Field Name: USA | Facility Name: New Mexico

Date Sampled: Mar 18, 2023 15:10 | Date Effective: Mar 18, 2023 15:10 | Date Received: Mar 24, 2023 08:34 | Date Reported: Mar 24, 2023

System Administrator: System Administrator | Analyst: System Administrator | Press PSI @ Temp °F: NG | Source Conditions: NG

Well Done Foundation | Operator: NG | Lab Source Description: NG

| Component          | Normalized Mol % | Un-Normalized Mol % | GPM    |
|--------------------|------------------|---------------------|--------|
| H2S (H2S)          | 0.0000           | 0                   |        |
| Nitrogen (N2)      | 99.7840          | 99.784              |        |
| CO2 (CO2)          | 0.0370           | 0.037               |        |
| Methane (C1)       | 0.0000           | 0                   |        |
| Ethane (C2)        | 0.0000           | 0                   | 0.0000 |
| Propane (C3)       | 0.0000           | 0                   | 0.0000 |
| i-Butane (C4)      | 0.0000           | 0                   | 0.0000 |
| n-Butane (nC4)     | 0.0000           | 0                   | 0.0000 |
| i-Pentane (iC5)    | 0.0000           | 0                   | 0.0000 |
| n-Pentane (nC5)    | 0.0000           | 0                   | 0.0000 |
| Hexanes Plus (C6+) | 0.1790           | 0.179               | 0.0780 |
| TOTAL              | 100.0000         | 100.0000            | 0.0780 |

Gross Heating Values (Real, BTU/RT)

| Dry                   | Saturated             | Wet | Saturated |
|-----------------------|-----------------------|-----|-----------|
| 14,496 PSI @ 60.00 °F | 14,713 PSI @ 60.00 °F |     |           |
| 9.2                   | 9.9                   | 9.2 | 9.9       |

Calculated Total Sample Properties

Relative Density Real: 0.9714 | Relative Density Ideal: 0.9715

Molecular Weight: 28.1360

C6+ Group Properties

Assumed Composition: C6 - 60.000% | C7 - 30.000% | C8 - 10.000%

Heat Index: 0 PPM

PROTEND STATUS: Passed By Validator on Mar 27, 2023 | DATA SOURCE: Imported

PASSED BY VALIDATOR REASON: First sample taken @ this point, composition looks reasonable

VALIDATOR: Brooke Rush | VALIDATOR COMMENTS: OK

Analyzer Information

Device Type: Device Make: Device Model: Last Cal Date:

| Source      | Date                 | Notes           |
|-------------|----------------------|-----------------|
| Brooke Rush | Mar 27, 2023 2:32 pm | Methane = 0 PPM |





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C6+ Gas Analysis Report

|                             |                                     |                           |   |
|-----------------------------|-------------------------------------|---------------------------|---|
| <b>16091G</b>               | <b>OBrien Fee 24 #002 POST PLUG</b> | <b>OBrien Fee 24 #002</b> |   |
| Sample Point Code           | Sample Point Name                   | Sample Point Location     |   |
| <b>Laboratory Services</b>  | <b>2023066032</b>                   | <b>Tedlar Bag</b>         | <b>CES - Spot</b>                               |
| Source Laboratory           | Lab File No                         | Container Identity        | Sampler   |
| <b>USA</b>                  | <b>USA</b>                          | <b>USA</b>                | <b>New Mexico</b>                               |
| District                    | Area Name                           | Field Name                | Facility Name                                   |
| <b>Mar 18, 2023 15:10</b>   | <b>Mar 18, 2023 15:10</b>           | <b>Mar 24, 2023 08:34</b> | <b>Mar 24, 2023</b>                             |
| Date Sampled                | Date Effective                      | Date Received             | Date Reported                                   |
| <b>System Administrator</b> |                                     |                           |   |
| <b>Ambient Temp (°F)</b>    | <b>Flow Rate (Mcf)</b>              | <b>Analyst</b>            | <b>Press PSI @ Temp °F</b><br>Source Conditions |
| <b>Well Done Foundation</b> |                                     | <b>NG</b>                 |   |
| Operator                    |                                     | Lab Source Description    |   |

| Component           | Normalized Mol % | Un-Normalized Mol % | GPM           |
|---------------------|------------------|---------------------|---------------|
| H2S (H2S)           | 0.0000           | 0                   |               |
| Nitrogen (N2)       | 99.7840          | 99.784              |               |
| CO2 (CO2)           | 0.0370           | 0.037               |               |
| <b>Methane (C1)</b> | <b>0.0000</b>    | <b>0</b>            |               |
| Ethane (C2)         | 0.0000           | 0                   | 0.0000        |
| Propane (C3)        | 0.0000           | 0                   | 0.0000        |
| I-Butane (IC4)      | 0.0000           | 0                   | 0.0000        |
| N-Butane (NC4)      | 0.0000           | 0                   | 0.0000        |
| I-Pentane (IC5)     | 0.0000           | 0                   | 0.0000        |
| N-Pentane (NC5)     | 0.0000           | 0                   | 0.0000        |
| Hexanes Plus (C6+)  | 0.1790           | 0.179               | 0.0780        |
| <b>TOTAL</b>        | <b>100.0000</b>  | <b>100.0000</b>     | <b>0.0780</b> |

**Gross Heating Values (Real, BTU/ft<sup>3</sup>)**

|                        |           |                       |           |
|------------------------|-----------|-----------------------|-----------|
| 14.696 PSI @ 60.00 Å°F |           | 14.73 PSI @ 60.00 Å°F |           |
| Dry                    | Saturated | Dry                   | Saturated |
| 9.2                    | 9.9       | 9.2                   | 9.9       |

**Calculated Total Sample Properties**

GPA2145-16 \*Calculated at Contract Conditions

|                       |                        |
|-----------------------|------------------------|
| Relative Density Real | Relative Density Ideal |
| 0.9714                | 0.9715                 |
| Molecular Weight      |                        |
| 28.1360               |                        |

**C6+ Group Properties**

Assumed Composition

|              |              |              |
|--------------|--------------|--------------|
| C6 - 60.000% | C7 - 30.000% | C8 - 10.000% |
|--------------|--------------|--------------|

Field H2S

0 PPM

**PROTREND STATUS:** Passed By Validator on Mar 27, 2023

**DATA SOURCE:** Imported

**PASSED BY VALIDATOR REASON:** First sample taken @ this point, composition looks reasonable

**VALIDATOR:** Brooke Rush

**VALIDATOR COMMENTS:** OK

Method(s): Gas C6+ - GPA 2261, Extended Gas - GPA 2286, Calculations - GPA 2172

| Analyzer Information |                |
|----------------------|----------------|
| Device Type:         | Device Make:   |
| Device Model:        | Last Cal Date: |

| Source      | Date                 | Notes           |
|-------------|----------------------|-----------------|
| Brooke Rush | Mar 27, 2023 2:32 pm | Methane = 0 PPM |

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
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**District III**  
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**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 295406

**DEFINITIONS**

|   |  |
|---|--|
| Operator:<br>CANYON E & P COMPANY<br>251 O'Connor Ridge Blvd.<br>Irving, TX 75038 | OGRID:<br>269864   |
|   | Action Number:<br>295406   |
|   | Action Type:<br>[UF-OMA] Post-Plug Methane Monitoring (UF-OMA-MMB) |

**DEFINITIONS**

The Orphan Well Mitigation Activity (OMA) forms are a subset of the OCD's forms exclusively designed for activities related to State of New Mexico's contracted plugging and reclamation activities. Specifically, these forms are used for orphan wells or associated facilities which are in a "Reclamation Fund Approved" status. This status represents wells or facilities where the OCD has acquired a hearing order allowing the OCD to perform plugging or reclamation on wells and associated facilities that no longer have a viable operator to perform the necessary work. These forms are not to be utilized for any other purpose.

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QUESTIONS

Action 295406

**QUESTIONS**

|   |  |
|---|--|
| Operator:<br>CANYON E & P COMPANY<br>251 O'Connor Ridge Blvd.<br>Irving, TX 75038 | OGRID:<br>269864   |
|   | Action Number:<br>295406   |
|   | Action Type:<br>[UF-OMA] Post-Plug Methane Monitoring (UF-OMA-MMB) |

**QUESTIONS**

|                            |                                    |
|----------------------------|------------------------------------|
| <b>Prerequisites</b>       |                                    |
| [OGRID] Well Operator      | [269864] CANYON E & P COMPANY      |
| [API] Well Name and Number | [30-005-60923] O'BRIEN FEE 24 #002 |
| Well Status                | Plugged (not released)             |

|   |                              |
|---|------------------------------|
| <b>Monitoring Event Information</b>                   |                              |
| <i>Please answer all the questions in this group.</i> |                              |
| Reason For Filing                                     | Post-Plug Methane Monitoring |
| Date of monitoring                                    | 03/18/2023                   |
| Latitude  | 33.61094                     |
| Longitude   | -104.03399                   |

|   |              |
|---|--------------|
| <b>Monitoring Event Details</b>                       |              |
| <i>Please answer all the questions in this group.</i> |              |
| Flow rate in cubic meters per day (m³/day)            | 0.00         |
| Test duration in hours (hr)                           | 1.0          |
| Average flow temperature in degrees Celsius (°C)      | 15.0         |
| Average gauge flow pressure in kilopascals (kPag)     | 0.0          |
| Methane concentration in part per million (ppm)       | 0            |
| Methane emission rate in grams per hour (g/hr)        | 0.00         |
| Testing Method  | Steady State |

|   |                          |
|---|--------------------------|
| <b>Monitoring Contractor</b>                          |                          |
| <i>Please answer all the questions in this group.</i> |                          |
| Name of monitoring contractor                         | Well Done New Mexico LLC |