

Santa Fe Main Office  
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General Information  
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State of New Mexico  
Energy, Minerals and Natural Resources

SCM-899

Form C-103  
Revised July 18, 2013

Online Phone Directory Visit:  
<https://www.emnrd.nm.gov/ocd/contact-us/>

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

|   |  |  |
|---|--|--|
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br>(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)<br>1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> |  | WELL API NO.<br><b>30-025-54742</b>  |
| 2. Name of Operator<br><b>Civitas Permian Operating, LLC</b>  |  | 5. Indicate Type of Lease<br>STATE <input type="checkbox"/> FEE <input type="checkbox"/> |
| 3. Address of Operator<br><b>555 17th Street, Suite 3700<br/>Denver, CO 80202</b>   |  | 6. State Oil & Gas Lease No.<br><b>NMNM101609</b>  |
| 4. Well Location<br>Unit Letter _C_: 536 feet from the _North_ line and 1409 feet from the _WEST_ line<br>Section 15 Township 25-S Range 35-E NMPM County LEA   |  | 7. Lease Name or Unit Agreement Name<br><b>Junior Mint Fed</b>                           |
|   |  | 8. Well Number<br><b>221H</b>  |
|   |  | 9. OGRID Number<br><b>332195</b>   |
|   |  | 10. Pool name or Wildcat<br><b>DOGIE DRAW; WOLFCAMP [17980]</b>                          |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)  |  |  |

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

| NOTICE OF INTENTION TO:                        |   | SUBSEQUENT REPORT OF:                            |  |
|--|---|--|--|
| PERFORM REMEDIAL WORK <input type="checkbox"/> | PLUG AND ABANDON <input type="checkbox"/> | REMEDIAL WORK <input type="checkbox"/>           | ALTERING CASING <input type="checkbox"/> |
| TEMPORARILY ABANDON <input type="checkbox"/>   | CHANGE PLANS <input type="checkbox"/>     | COMMENCE DRILLING OPNS. <input type="checkbox"/> | P AND A <input type="checkbox"/>         |
| PULL OR ALTER CASING <input type="checkbox"/>  | MULTIPLE COMPL <input type="checkbox"/>   | CASING/CEMENT JOB <input type="checkbox"/>       |  |
| DOWNHOLE COMMINGLE <input type="checkbox"/>    |   |  |  |
| CLOSED-LOOP SYSTEM <input type="checkbox"/>    |   |  |  |
| OTHER: <input checked="" type="checkbox"/>     |   | OTHER: <input type="checkbox"/>                  |  |

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Attached hereto is Civitas Permian Operating, LLC's request for the use of Multi-Phase Flow Meters ("MPFM") in lieu of test separators for the following Junior Mint wells that will be dedicated to a 1280-acre non-standard horizontal spacing unit comprised of all of Sections 3 and 10 in Township 25 South, Range 35.

| Well Name            | API #        | Surface Location | Pool Code                                 |
|----------------------|--------------|------------------|---|
| Junior Mint Fed 131H | 30-025-54739 | C-15-25S-35E     | WC-025 G-08 S2535340; BONE SPRING [97088] |
| Junior Mint Fed 132H | 30-025-54747 | C-15-25S-35E     | WC-025 G-08 S2535340; BONE SPRING [97088] |
| Junior Mint Fed 135H | 30-025-54740 | C-15-25S-35E     | WC-025 G-08 S2535340; BONE SPRING [97088] |
| Junior Mint Fed 137H | 30-025-54749 | C-15-25S-35E     | WC-025 G-08 S2535340; BONE SPRING [97088] |
| Junior Mint Fed 151H | 30-025-54738 | C-15-25S-35E     | WC-025 G-08 S2535340; BONE SPRING [97088] |
| Junior Mint Fed 152H | 30-025-54743 | C-15-25S-35E     | WC-025 G-08 S2535340; BONE SPRING [97088] |
| Junior Mint Fed 211H | 30-025-54741 | C-15-25S-35E     | DOGIE DRAW; WOLFCAMP [17980]              |
| Junior Mint Fed 212H | 30-025-54750 | C-15-25S-35E     | DOGIE DRAW; WOLFCAMP [17980]              |
| Junior Mint Fed 215H | 30-025-54745 | C-15-25S-35E     | DOGIE DRAW; WOLFCAMP [17980]              |
| Junior Mint Fed 221H | 30-025-54742 | C-15-25S-35E     | DOGIE DRAW; WOLFCAMP [17980]              |

All acreage underlying the spacing unit is Federal acreage dedicated to a single Federal lease (NMNM101609).

Spud Date:


Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE  TITLE Staff Attorney DATE 6/30/2025

Type or print name Michael Rodriguez E-mail address: mrodriguez@civiresources.com PHONE: (303) 312-8518

**For State Use Only**

APPROVED BY:  TITLE Engineering Bureau Chief DATE 8-14-2025

Conditions of Approval (if any):

See below for COA

Civitas is approved to utilize multi-phase flow meters (MPFM) in lieu of measuring the phases separately within commingling projects when the conditions listed below are met. This approval shall meet the condition in 19.15.12.10 B.(1)(e) NMAC for MPFM being an alternative allocation method specifically approved by the Division prior to commingling. This approval does not grant authorization for any specific commingling project and an application for that commingling project shall be submitted to the Division in accordance with normal procedures. Within the application for each commingling project that Civitas wishes to utilize MPFM, it shall make specific mention to its request to do so by: (A) detailing that request such that a layman will understand; and (B) referencing this approval by its designation as SCM-899.

- Interest in all production being commingled shall be identical as defined in 19.15.12.7 B. NMAC.
- The MPFM used shall be an appropriately sized Schlumberger's Vx Spectra line of MPFM as was described to the Division and used to produce the data sets provided to the Division to determine accuracy of the MPFM.
- Maintenance shall be done in accordance with Schlumberger's guidance and as laid out in the table provided to the Division or in accordance with 19.15.12.10 C. NMAC, whichever is more frequent. Should Schlumberger or API Standards change the recommended maintenance, Civitas shall provide the Division with that updated maintenance schedule and await the Division's approval prior to making any modifications to its maintenance schedule.
- SCADA shall be installed and monitored to determine if the MPFM needs additional calibration. Civitas shall utilize the data gathered by its SCADA to make a determination when calibration in addition to the maintenance schedule is necessary in accordance with its statement provided in the statement attached to this sundry. Should additional information or techniques become available, Civitas shall provide that to the Division. Civitas shall not alter its procedures used to identify when additional calibration is required until it receives approval from the Division to do so.
- If necessary, corrections and adjustments to allocation shall be done in accordance with 19.15.12.10 C.(2)(c) NMAC except that Civitas shall use the data gathered by its SCADA to determine a date to correct production for in lieu of using the last half of the period elapsed since the last calibration date.



CIVITAS

555 17th Street, Suite 3700  
Denver, CO 80202  
303-312-8518

June 30, 2025

## **VIA ONLINE FILING**

Engineering Bureau  
Oil Conservation Division  
New Mexico Department of Energy, Minerals and Natural Resources  
1220 South Saint Francis Drive  
Santa Fe, New Mexico 87505

**Re: Request for Multi-Phase Flow Meter Use**  
*Sections 3 and 10, Township 25 South, Range 35 East, Lea County, New Mexico.*

### **I. Overview**

Civitas Permian Operating (OGRID No. 372043) ("Civitas") seeks the use of Multi-Phase Flow Meters ("MPFM") in lieu of test separators for the following wells (the "Wells"):

| Well Name            | API #        | Surface Location | Pool Code                                 |
|----------------------|--------------|------------------|---|
| Junior Mint Fed 131H | 30-025-54739 | C-15-25S-35E     | WC-025 G-08 S253534O; BONE SPRING [97088] |
| Junior Mint Fed 132H | 30-025-54747 | C-15-25S-35E     | WC-025 G-08 S253534O; BONE SPRING [97088] |
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| Junior Mint Fed 137H | 30-025-54749 | C-15-25S-35E     | WC-025 G-08 S253534O; BONE SPRING [97088] |
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| Junior Mint Fed 221H | 30-025-54742 | C-15-25S-35E     | DOGIE DRAW; WOLFCAMP [17980]              |

The Wells will be dedicated to a 1280-acre non-standard horizontal spacing unit comprised of all of Sections 3 and 10 in Township 25 South, Range 35. All acreage underlying the spacing unit is Federal acreage dedicated to a single Federal lease (NMNM101609). Therefore, ownership is uniform throughout the spacing unit.

### **II. Maintenance and Calibration of the MPFMs**

The MPFMs will be appropriately sized Schlumberger Vx Spectra meters as described to the Division and used to produce the data sets provided to the Division to determine accuracy of the MPFM.

Calibration will be performed in accordance with Schlumberger's calibration guidance by establishing accurate operating triangle reference points using an empty pipe, gas analysis, and



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pure-phase oil and water samples, ensuring the operating point reflects current fluid properties. Civitas will utilize regular flow checks to compare real time fluid measurement percentages according to the meter, versus a physical sample captured in a graduated cylinder. This comparison will gauge the accuracy of the meter and allow Civitas to make necessary adjustments to ensure meter accuracy.

Calibration and flow checks will be performed according to the following table:

#### **New Well Flow – Meter Maintenance Schedule**

Calibration and flow checks will be performed according to the following schedule:

| Days in Production | Weekly | Bi-Weekly | Monthly | Quarterly | Semi-Annually     |
|--------------------|--------|-----------|---------|-----------|-------------------|
| Days 1-30          | X      |           |         |           |                   |
| Days 31-60         |        | X         |         |           |                   |
| Days 61-180        |        |           | X       |           |                   |
| Days 181-360       |        |           |         | X         |                   |
| Day 361+           |        |           |         |           | * Condition based |

Should Schlumberger or API Standards change the recommended maintenance, Civitas will provide the Division with an updated maintenance schedule and await the Division's approval prior to making any modifications to its maintenance schedule.

### **III. SCADA**

SCADA will be installed and monitored to determine if the MPFM needs additional calibrations and to make corrections and adjustments in accordance with 19.15.12.10 C.(2)(c) NMAC, except that Civitas will use its SCADA data to determine a date to correct production in lieu of the last half of the period elapsed since the last calibration date.

In SCADA, an automated variance page will be developed to report daily production versus test volumes from the multiphase meter. This will enable Civitas to monitor day-to-day trends and identify when additional meter calibrations may be necessary. At the individual well or meter level, tracking oil, water, and gas production trends can help detect anomalies. These irregularities will prompt further investigation to determine whether the issue stems from a calibration need or a well-level problem. Additionally, through the Vx Spectra software (Schlumberger's MPFM interface), Civitas can monitor the operating triangle in both real-time and historical views. This includes key data points such as:

- N 32 Low Energy (LE), N 81 High Energy (HE), and N 356 count rates (AVG);
- Total count rate (AVG);
- Viscosity of liquid and oil;
- Operating point (LE/HE);
- Triangle oil, water, and gas points (LE/HE).



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By analyzing shifts or drift in these operating triangle values, Civitas can determine whether recalibration is required or if standard maintenance—such as cleaning the venturi—is sufficient to restore performance.

Thank you,

---

Michael Rodriguez

**Attorney for Civitas Permian Operating, LLC**

# Maintenance Schedule

| Preventive/Periodic Maintenance          | Initial Commissioning                              | Production       | Change of Artificial lift mechanism |
|--|--|------------------|-------------------------------------|
| Zero Calibration (Empty Pipe)            | Yes  | Every 6-9 months | -                                   |
| Fluid Properties update                  | Once month / 1 <sup>st</sup> 3 months for new well | Every 6-9months  | Yes                                 |
| Venturi + DPV cleaning                   | Yes  | Every 6-9months  | -                                   |
| Flow validation ( Manual BSW validation) | Once month / 1 <sup>st</sup> 3 months for new well | Every 6-9months  | Yes                                 |



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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 496879

**CONDITIONS**

|  |  |
|--|--|
| Operator:<br>Civitas Permian Operating, LLC<br>555 17th Street<br>Denver, CO 80202 | OGRID:<br>332195   |
|  | Action Number:<br>496879                                       |
|  | Action Type:<br>[IM-SD] Admin Order Support Doc (ENG) (IM-AAO) |

**CONDITIONS**

| Created By | Condition   | Condition Date |
|------------|---|----------------|
| dmcclure   | Civitas is approved to utilize multi-phase flow meters (MPFM) in lieu of measuring the phases separately within commingling projects when the conditions listed below are met. This approval shall meet the condition in 19.15.12.10 B.(1)(e) NMAC for MPFM being an alternative allocation method specifically approved by the Division prior to commingling. This approval does not grant authorization for any specific commingling project and an application for that commingling project shall be submitted to the Division in accordance with normal procedures. Within the application for each commingling project that Civitas wishes to utilize MPFM, it shall make specific mention to its request to do so by: (A) detailing that request such that a layman will understand; and (B) referencing this approval by its designation as SCM-899. | 8/18/2025      |
| dmcclure   | • Interest in all production being commingled shall be identical as defined in 19.15.12.7 B. NMAC.  | 8/18/2025      |
| dmcclure   | • The MPFM used shall be an appropriately sized Schlumberger's Vx Spectra line of MPFM as was described to the Division and used to produce the data sets provided to the Division to determine accuracy of the MPFM.   | 8/18/2025      |
| dmcclure   | • Maintenance shall be done in accordance with Schlumberger's guidance and as laid out in the table provided to the Division or in accordance with 19.15.12.10 C. NMAC, whichever is more frequent. Should Schlumberger or API Standards change the recommended maintenance, Civitas shall provide the Division with that updated maintenance schedule and await the Division's approval prior to making any modifications to its maintenance schedule.   | 8/18/2025      |
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| dmcclure   | • If necessary, corrections and adjustments to allocation shall be done in accordance with 19.15.12.10 C.(2)(c) NMAC except that Civitas shall use the data gathered by its SCADA to determine a date to correct production for in lieu of using the last half of the period elapsed since the last calibration date.   | 8/18/2025      |