

Office  
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 1220 S. St. Francis Dr., Santa Fe, NM  
 87505

State of New Mexico  
 Energy, Minerals and Natural Resources

Form C-103  
 Revised July 18, 2013

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

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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.)		WELL API NO. Maljamar AGI#1 30-025-40420 Maljamar AGI#2 30-025-42628
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other: Acid Gas Injection Well <input checked="" type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/> FEDERAL <input checked="" type="checkbox"/>
2. Name of Operator Frontier Field Services, LLC		6. State Oil & Gas Lease No. NMLC029509A
3. Address of Operator 10077 Grogans Mill Rd. Suite 300 The Woodlands, TX 77380		7. Lease Name or Unit Agreement Name Maljamar AGI
4. Well Location AGI#1 Unit Letter <u>O</u> : <u>130</u> feet from the SOUTH line and <u>1,813</u> feet from the EAST line AGI#2 Unit Letter <u>O</u> : <u>400</u> feet from the SOUTH line and <u>2,100</u> feet from the EAST line Section <u>21</u> Township <u>17S</u> Range <u>32E</u> NMPM County <u>Lea</u>		8. Well Number #1 and #2
11. Elevation (Show whether DR, RKB, RT, GR, etc.) AGI#1 4,016 (GR) AGI#2 4,019 (GR)		9. OGRID Number 221115
		10. Pool name or Wildcat AGI: Wolfcamp

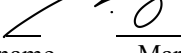
12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> DOWNHOLE COMMINGLE <input type="checkbox"/> CLOSED-LOOP SYSTEM <input type="checkbox"/> OTHER: <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/> OTHER: 3Q 2023 Report <input checked="" type="checkbox"/> per NMOCC Order R-13443

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.

This represents the Q3 2023 report for the AGI#1 and AGI#2 dual well AGI system at Frontier Field Services LLC's Maljamar Gas Processing Plant pursuant to the quarterly reporting required under NMOCC Order R-13443. AGI#2 has bottom-hole PT sensors which provide data on reservoir pressure and temperature that have been performing well and providing good insights into reservoir behavior. This report includes an analysis of the surface and bottom-hole data from AGI#2 and is also the Q3 report for the two well system, as required under the order referenced above.

For Q3 2023, the flow from the plant was sent to both AGI#1 and AGI#2. When both wells are in operation, flow is kept constant at about 1.8 MMSCFD to AGI #2 while allowing AGI #1 to take the fluctuations in overall plant flow (see Figure 1). Average flow rate for the AGI #1 during the entire reporting period was 557 MSCFD. Average flow rate for the AGI #2 for the entire period was 1,203 MSCFD. The surface injection parameters for both wells are shown on Figures 2 and 3, respectively. These two figures show the correlative behavior of injection pressure, injection temperature and annular pressure when both wells are operating and clearly demonstrate the continued integrity of both wells. During the period AGI #1 and AGI #2 showed average injection pressures of 2,267 psig and 2,224 psig, average injection temperatures of 94°F and 107°F and average surface annular pressures of 501 psig and 570 psig, respectively (see Figures 2 and 3). AGI #2 bottom-hole pressure and temperature for the entire period averaged 5,074 psig and 124°F, respectively (see Figure 4). Finally, during the period the differential pressure (surface injection pressure vs. annular pressure) for AGI #1 averaged 1,766 psig, and 1,653 psig for AGI #2 (see Figure 5). The overall period average bottom-hole pressure values of 5,074 psig and temperature of 124°F are reflective of current actual conditions in the reservoir and demonstrate ongoing favorable reservoir conditions. All of the graphs in Figures 1-5 further confirm the continued integrity of both Maljamar AGI#1 and Maljamar AGI#2, and the overall analysis demonstrates that both wells are fully in compliance with all applicable requirements of the NMOCC orders governing operation of this AGI system.

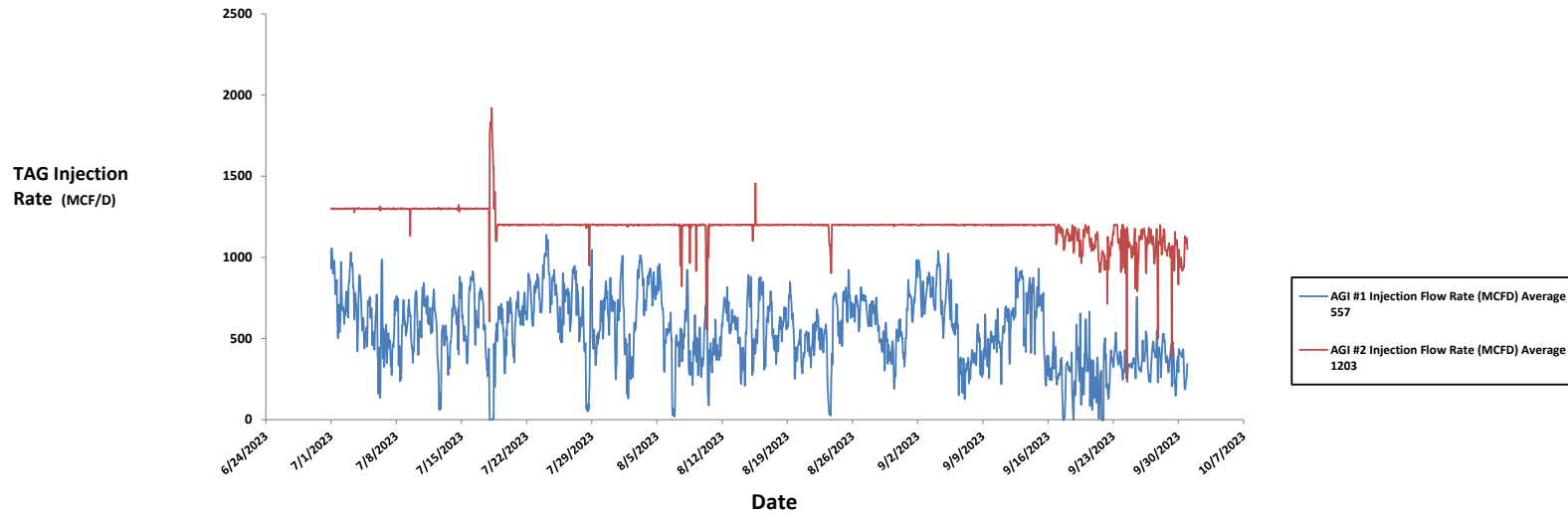
SIGNATURE  TITLE Environmental Manager DATE 10/2/2023  
 Type or print name Mary I. Taylor E-mail address: MTaylor@DurangoMidstream.com PHONE: 346-224-2459

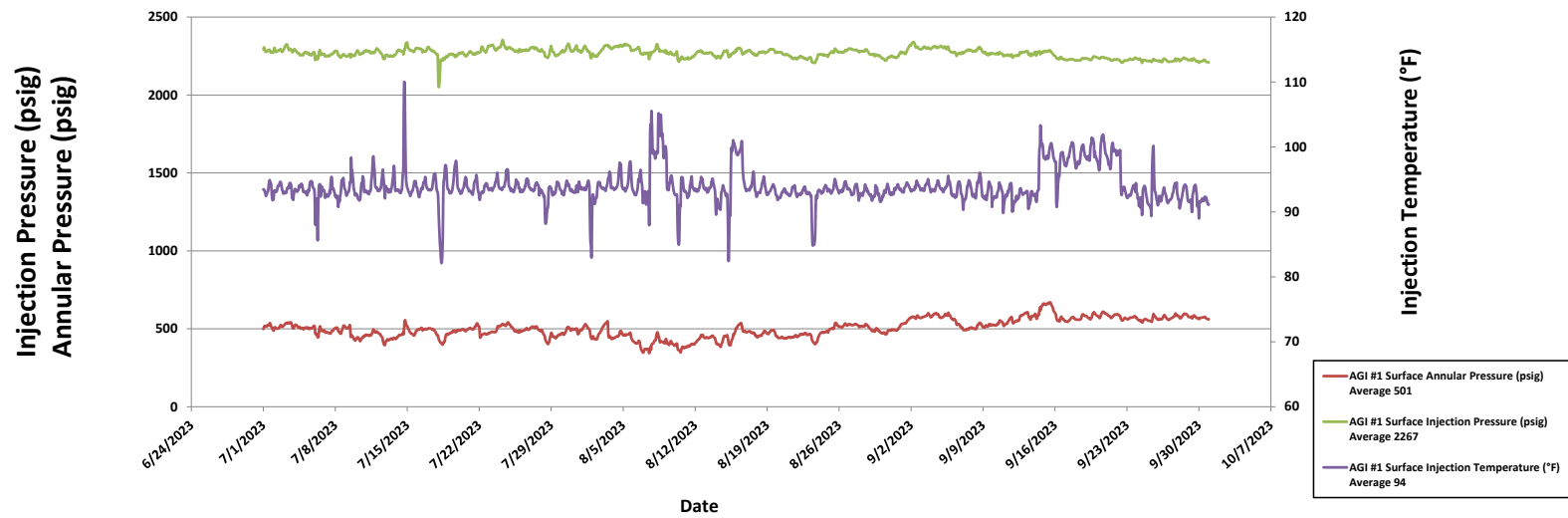
For State Use Only

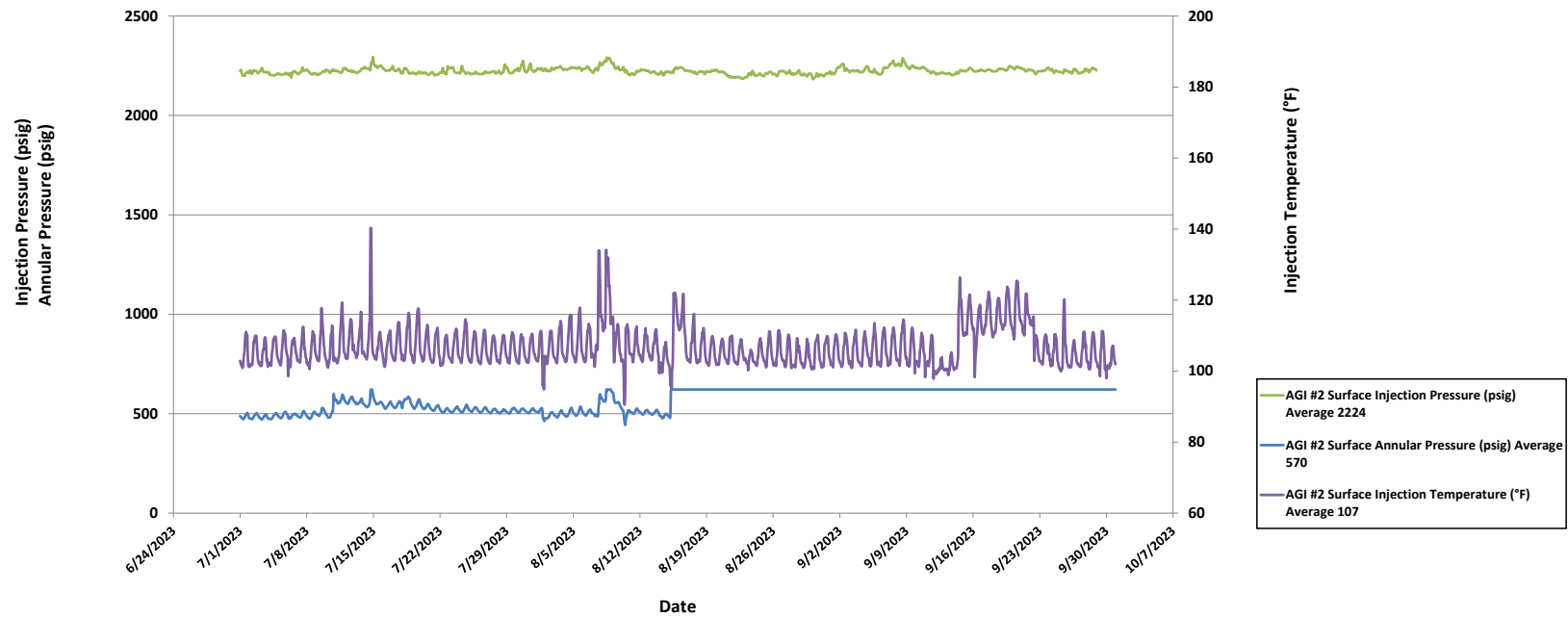
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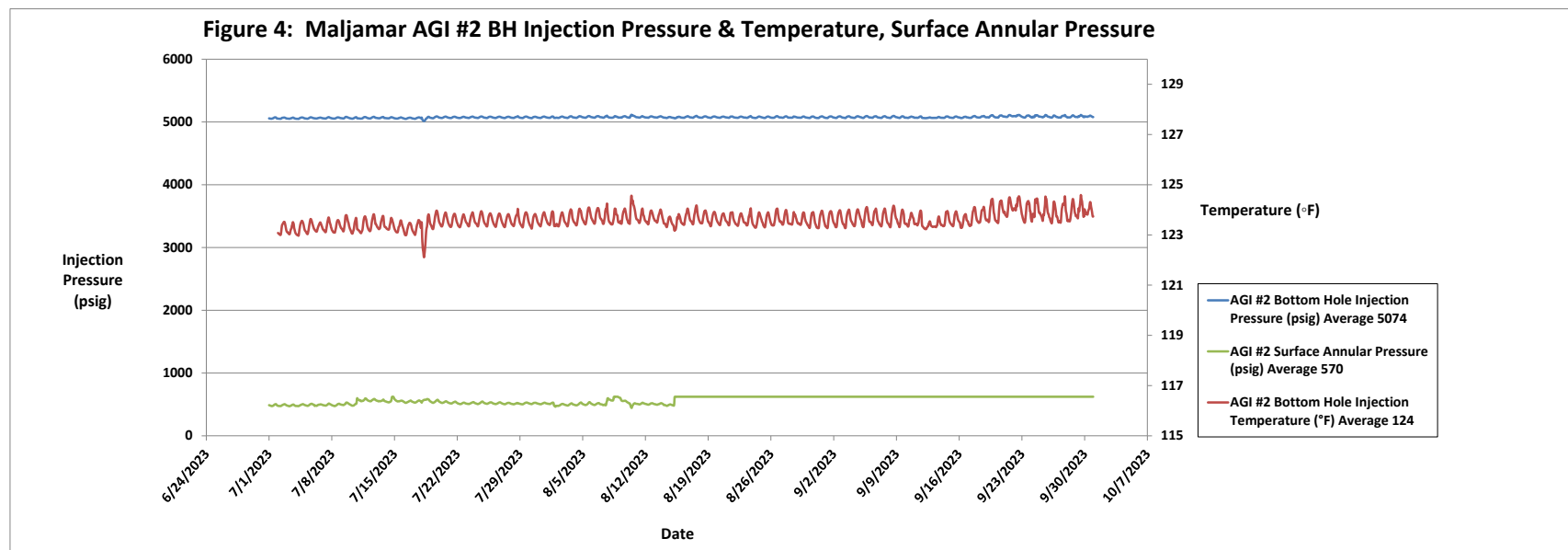
BY: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_ Conditions \_\_\_\_\_  
 of Approval (if any):

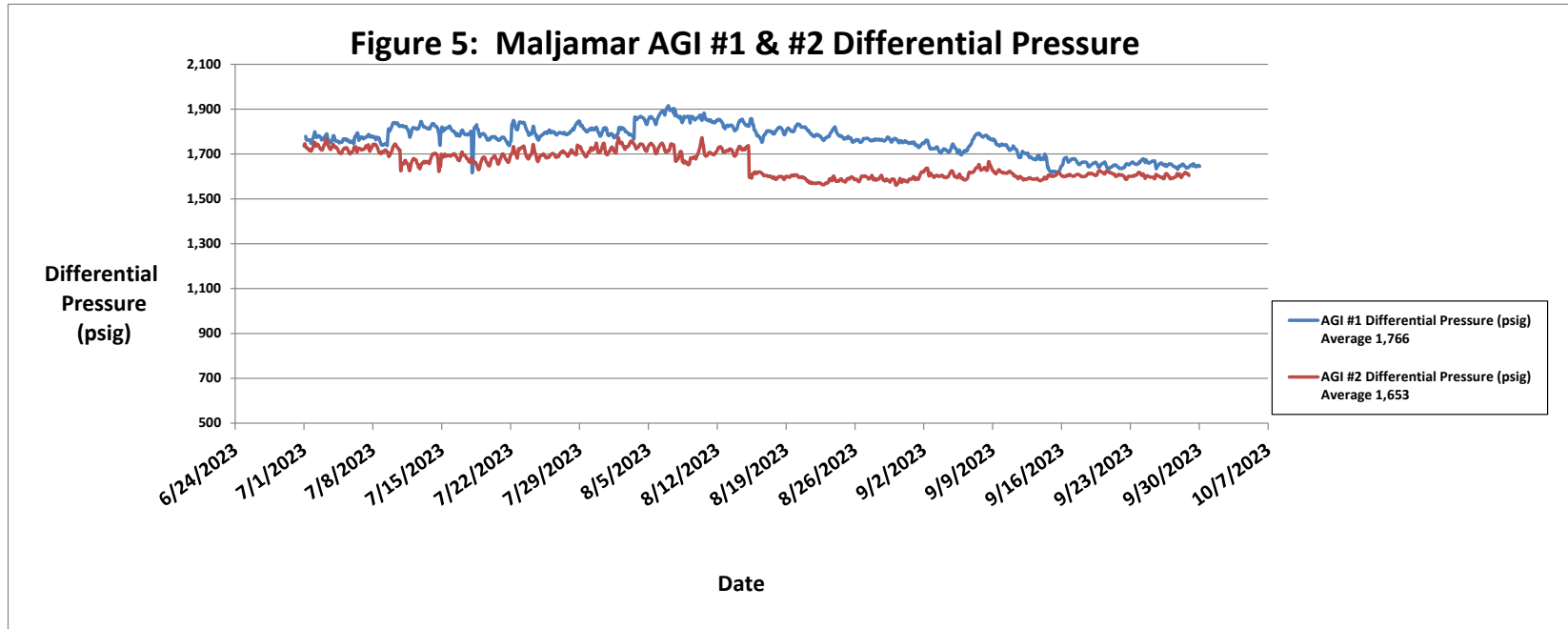
**Figure 1: Maljamar AGI #1 and #2 Injection Rates**



**Figure 2: Maljamar AGI #1 Surface Injection Parameters**

**Figure 3: Maljamar AGI #2 Surface Injection Parameters**





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CONDITIONS

Action 271041

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 271041
	Action Type: [C-103] Sub. General Sundry (C-103Z)

CONDITIONS

Created By	Condition	Condition Date
mgebremichael	None	10/16/2023