Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
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District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

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State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-103
Revised July 18, 2013

WELL API NO.	
Maljamar AGI#1	30-025-40420 ✓
Maljamar AGI#2	30-025-42628 ✓
5. Indicate Type of Lease	STATE ☐ FEE ☐ FEDERAL ☒
6. State Oil & Gas Lease No.	NMLC029509A

SUNDRY NOTICES AND REPORTS ON WELLS
(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.)

1. Type of Well: Oil Well ☐ Gas Well ☐ Other: Acid Gas Injection Well ☒ ✓	7. Lease Name or Unit Agreement Name: Maljamar AGI
	8. Well Number: #1 and #2
2. Name of Operator: Frontier Field Services LLC	9. OGRID Number: 221115
3. Address of Operator: 65 Mercado Street, Suite 250, Durango, CO 81301	10. Pool name or Wildcat: AGI: Wolfcamp

4. Well Location AGI#1 Unit Letter O : 130 feet from the SOUTH line and 1,813 feet from the EAST line ✓
AGI#2 Unit Letter O : 400 feet from the SOUTH line and 2,100 feet from the EAST line ✓
Section 21 Township 17S Range 32E NMPM County Lea

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
AGI#1 4,016 (GR) AGI#2 4,019 (GR)

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☒		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐			OTHER: Q1 2018 Report per NMOCC Order R-13443			☒
OTHER:	☐						

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 2018 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 very well. 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 the flow from the plant was sent to both AGI#1 and AGI#2. When both wells are in operation, Frontier operates this system by keeping flow constant 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 898 MSCFD. Average flow rate for the AGI#2 for the entire period was 1,274 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. An MIT was performed on 8/8/18, and the volume of diesel in the annulus was bled down after the MIT to leave annular pressure in the wells at about 300 psig which allows for an adequate range of variation under normal operating conditions. During the period AGI#1 and AGI#2 showed average injection pressures of 2,275 psig and 2,151 psig, average injection temperatures of 95°F and 108°F and average surface annular pressures of 367 psig and 383 psig, respectively (see Figures 2 and 3). AGI#2 bottom-hole pressure and temperature for the entire period were 5,081 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 1,908 psig and 1,768 psig for AGI#2 (see Figure 5). The overall period average bottom-hole pressure values of 5,081 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 the operation of this AGI system.
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE _____ TITLE Consultant to Frontier Energy LLC DATE 10/18/2018
Type or print name Alberto A. Gutierrez E-mail address: aag@geolex.com PHONE: 505-842-8000

For State Use Only
APPROVED BY: _____ **Accepted for Record Only** DATE _____
Conditions of Approval (if any): MSBrown 10/22/2018

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

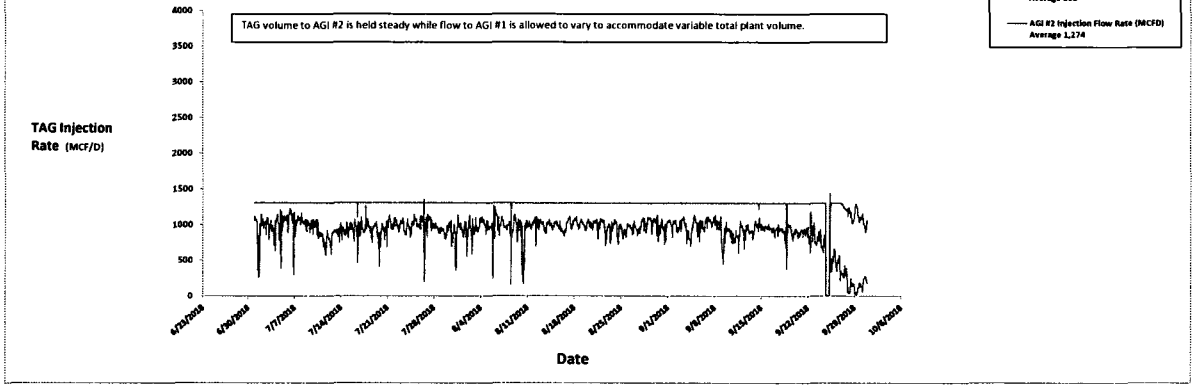


Figure 2: Maljamar AGI #1 Surface Injection Parameters

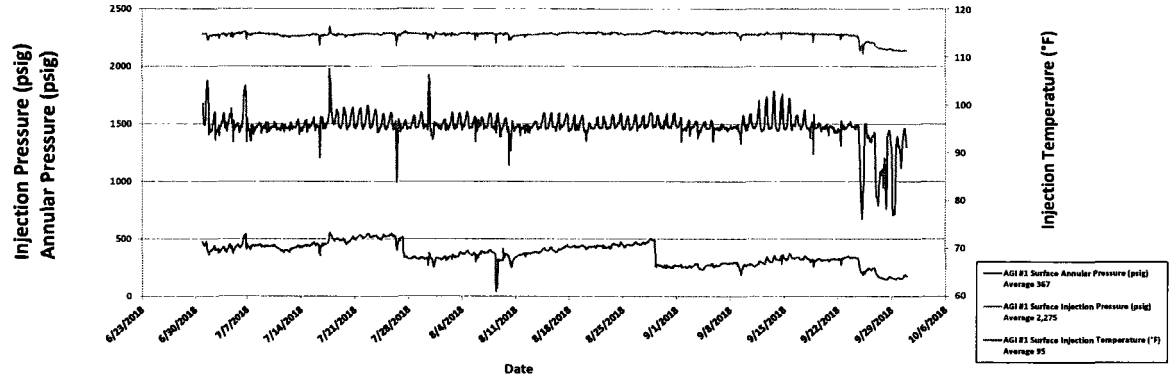


Figure 3: Maljamar AGI #2 Surface Injection Parameters

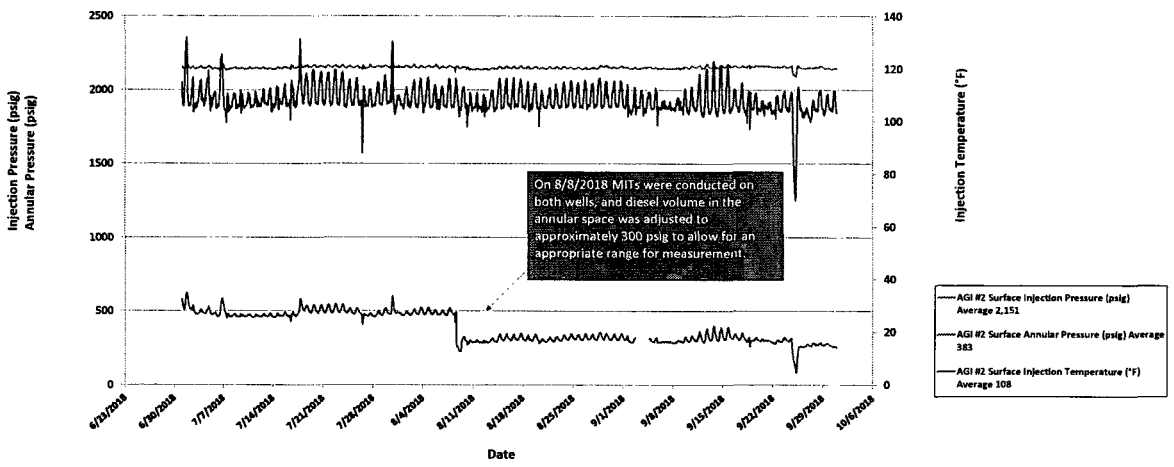
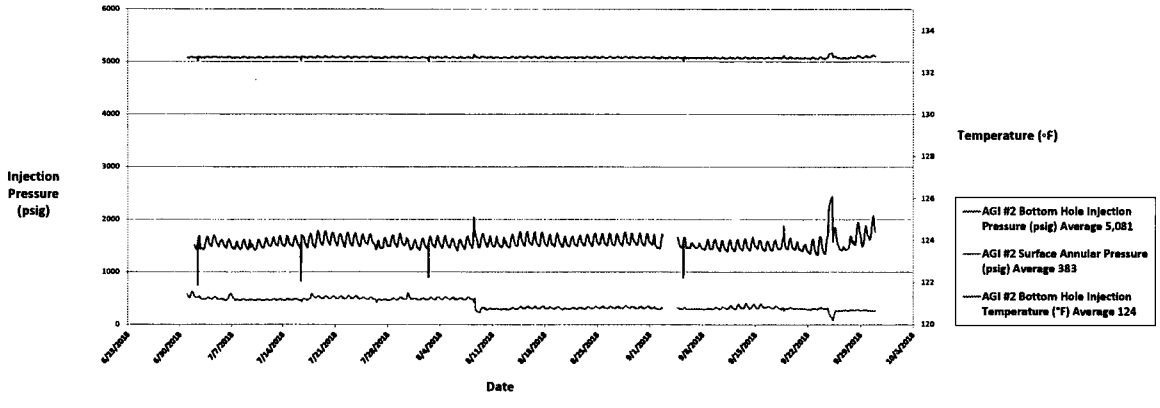


Figure 4: Maljamar AGI #2 BH Injection Pressure & Temperature, Surface Annular Pressure



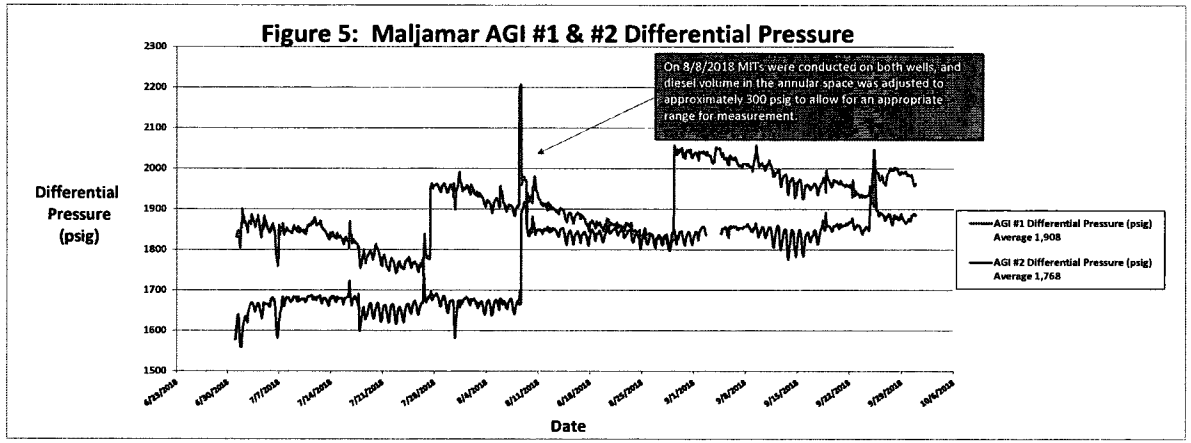


Figure 5: Maljamar AGI #1 & #2 Differential Pressure
On 8/8/2018 MITs were conducted on both wells, and diesel volume in the annular space was adjusted to approximately 300 psig to allow for an appropriate range for measurement.
Differential Pressure (psig)
2300
2200
2100
2000
1900
1800
1700
1600
1500
Date
AGI #1 Differential Pressure (psig) Average 1,908
AGI #2 Differential Pressure (psig) Average 1,768