

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. Zia AGI #1 30-025-42208 Zia AGI D#2 30-025-42207
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 BLM STATE <input type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator DCP Midstream LP		6. State Oil & Gas Lease No. NMLC065863
3. Address of Operator 370 17 <sup>th</sup> Street, Suite 2500, Denver, CO 80202		7. Lease Name or Unit Agreement Name Zia AGI
4. Well Location Surface Zia AGI#1 Unit Letter <u>L</u> : <u>2,100</u> feet from the SOUTH line and <u>950</u> feet from the WEST line Zia AGI D#2 Unit Letter <u>L</u> : <u>1893</u> feet from the SOUTH line and <u>950</u> feet from the WEST line Section <u>19</u> Township <u>19S</u> Range <u>32E</u> NMPM County <u>Lea</u>		8. Well Number #1 and D#2
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,550 (GR)		9. OGRID Number 36785
10. Pool name or Wildcat #1 AGI: Cherry Canyon/Brushy Canyon D#2 AGI: Devonian/Fusselman/Montoya		

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 type="checkbox"/>		OTHER: Quarterly Injection Data Reports <input checked="" 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. **Well bore Diagrams attached.**

**Zia AGI#1 MAOP 2233 psig NMOCC Order R-13809 / Zia AGI D#2 MAOP 5208 psig NMOCC Order R-14207**

**Quarterly Report for the period from July 1 to September 30, 2022 (Q3) Pursuant to NMOCC Orders 13809 and 14207 for Zia AGI #1 and AGI D#2, respectively.**

This report includes the data and analysis of surface injection pressure, TAG temperature, casing annular pressure as well as downhole injection pressure, temperature and annular pressure for the Zia AGI#1 and for the Zia AGI D#2 for Q3 2022. AGI D#2 is the primary well for this facility with the Zia AGI#1 to be used only as a redundant and backup well. Based on data for surface injection/annular pressure and their current MITs both wells continue to show excellent integrity. MITs were performed in February 2022. For this quarter, the values for injection parameters are generally stable and yielded the following results which are graphed in detail in attached Figures 1 through 10. We have experienced some difficulties in maintaining stable temperature control due to malfunctioning louvers in the compression system. These issues are to be addressed in a maintenance turnaround this fall. All of the values presented below are averages for the static conditions in the AGI #1 since the well was not in operation for the entire reporting period. Only AGI D#2 was operated during this quarter and its average values represent the normal operational condition of the well. Average injection rates for AGI D#2 have decreased approximately 34% (3.91 vs 5.92 MMSCFD) from the previous quarter.

**AGI#1 Surface Measurements (inactive):** Average TAG Line Pressure: 6 psig, Average Annular Pressure: 316 psig, Average Pressure Differential: -310 psig, Average Tag Line Temperature: 95°F, Average TAG injection rate: 0.00 MMSCFD (not in use this quarter).

**AGI#1 Downhole Measurements (inactive):** Average bottom hole pressure 3274 psig, Average annular bottom hole pressure: 2,285 psig, Average annular bottom hole temperature: 98°F, Average bottom hole TAG Temperature: 98°F. (all unchanged since 2021).

**AGI D#2 Surface Measurements:** Average TAG Injection Pressure: 1,775 psig, Average Annular Pressure: 116 psig, Average Pressure Differential: 1,614 psig, Average Tag Temperature: 119°F, Average TAG injection rate: 3.91 MMSCFD.

**AGI D#2 Downhole Measurements:** Average bottom hole pressure 6,400 psig, Average bottom hole TAG Temperature: 167°F. Only AGI D#2 was operated during this reporting period.

Note that the pattern of injection temperature for AGI D#2 for the quarter is characterized by rapid swings in temperature followed by relative stability at temperature ranges that differ in average temperature considerably. This is especially visible in Figure 6. Despite the temperature swings, the well is behaving appropriately with concurrent changes in injection pressure and annular pressure. DCP has targeted late Q3 or early Q4 to correct this issue which requires shutting down the well and compression during the scheduled plant turnaround.

The data gathered throughout this quarter demonstrate the correlative behavior of the annular pressure with the flowrate, injection pressure and temperature and also show the sensitive and correlative response of the annular pressure confirming that both wells have good integrity and are functioning appropriately within the requirements of their respective NMOCC orders. No mechanical changes to the either well or wellhead have been made since the last quarterly report. Well AGI D#2 displays excellent reservoir characteristics easily accommodating the required volumes of TAG from the facility. This well will be used as the primary disposal well for the facility with the AGI #1 well being operated as needed to confirm functionality and to allow for any required future maintenance on the AGI D#2 well.

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



SIGNATURE \_\_\_\_\_ TITLE Consultant to DCP Midstream LP DATE 10-6-2022

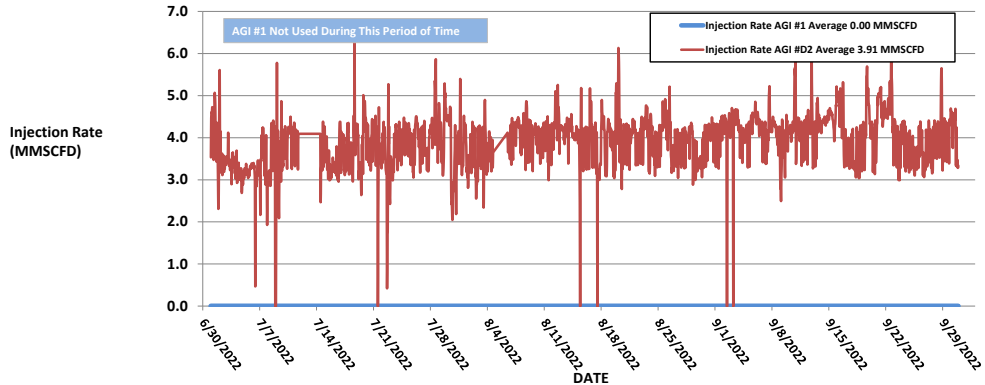
Type or print name: Alberto A Gutiérrez, RG E-mail address: [aag@geolex.com](mailto:aag@geolex.com) PHONE: 505-842-8000

**For State Use Only**

APPROVED BY: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Conditions of Approval (if any): \_\_\_\_\_

**FIGURE 1: ZIA AGI #1 AND AGI #D2 INJECTION RATES**



**FIGURE 2: ZIA AGI #1 SURFACE INJECTION PRESSURE, ANNULAR PRESSURE AND INJECTION RATE**

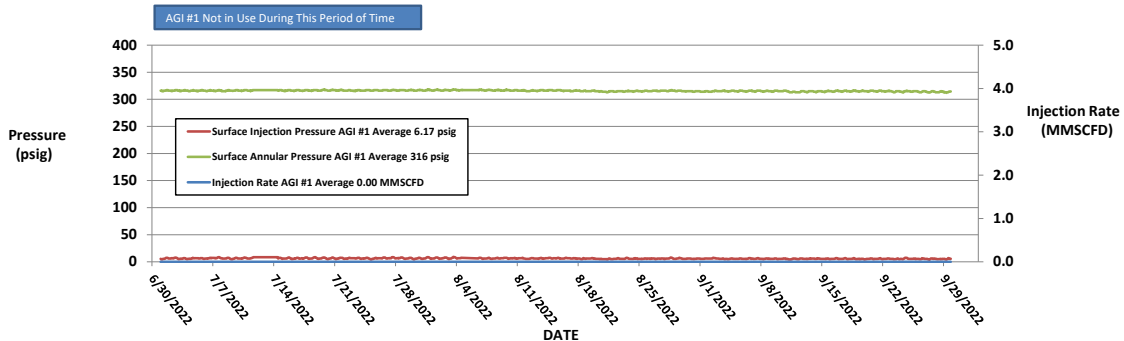
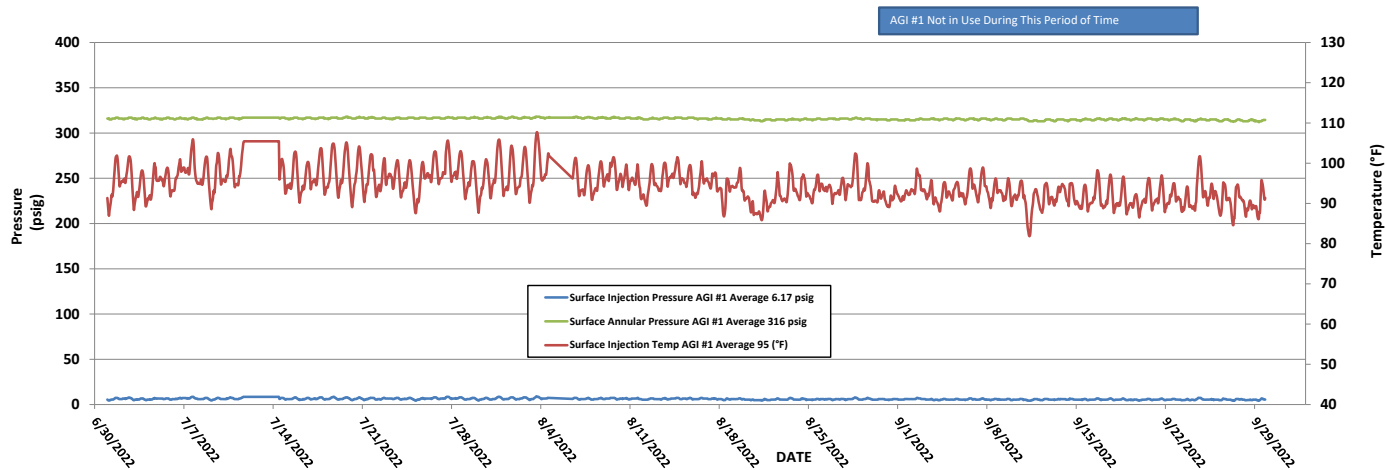


FIGURE 3: ZIA AGI #1 SURFACE INJECTION PRESSURE, ANNULAR PRESSURE AND INJECTION TEMPERATURE



**FIGURE 4: ZIA AGI #1 SURFACE INJECTION PRESSURE AND BOTTOM HOLE PRESSURE**

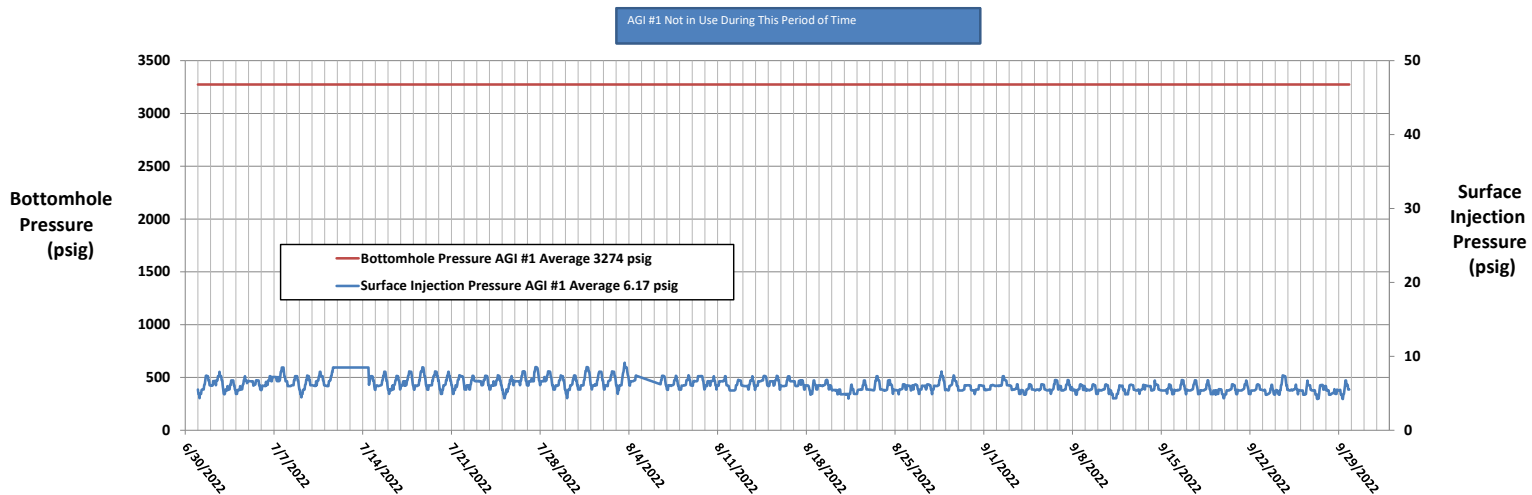


FIGURE 5: ZIA AGI #D2 SURFACE INJECTION PRESSURE, ANNULAR PRESSURE AND INJECTION RATE

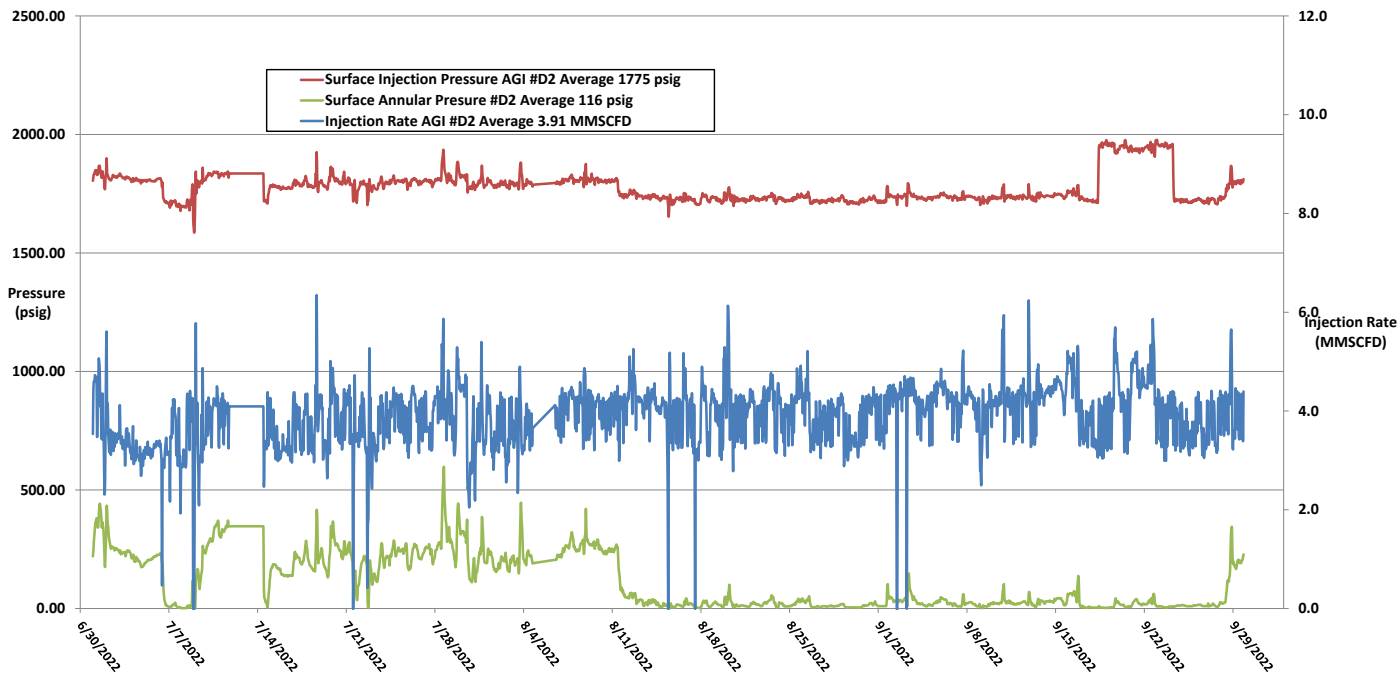
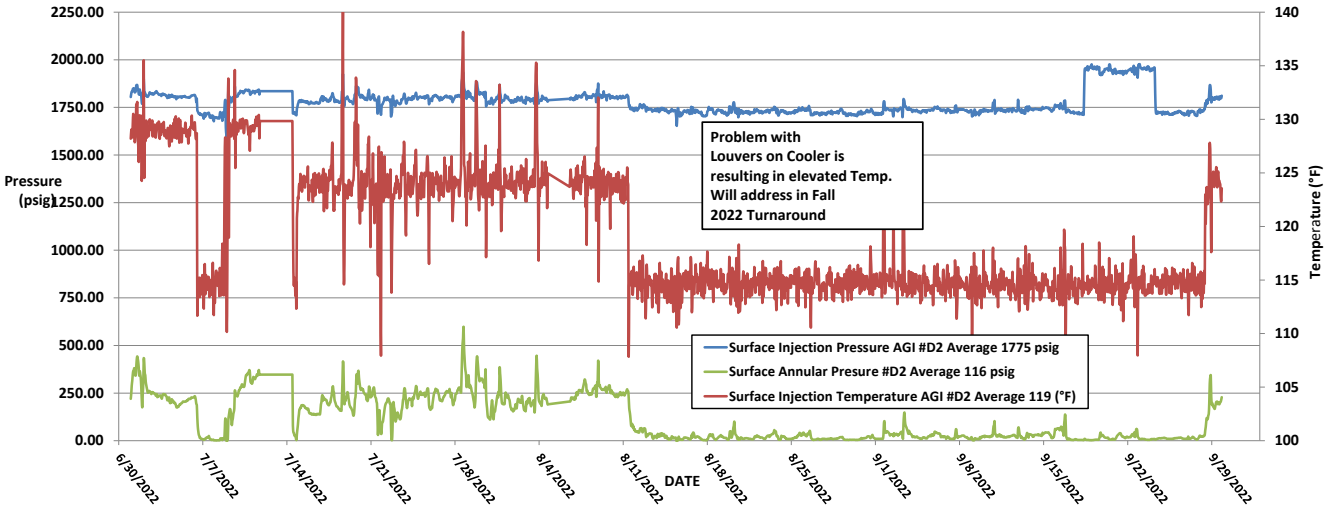
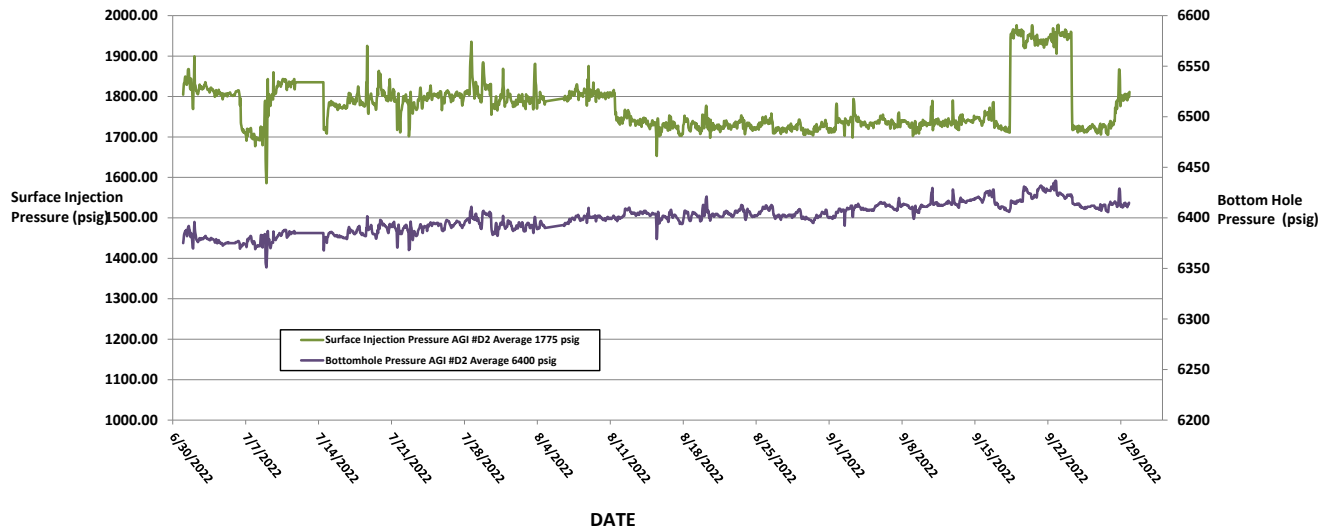


FIGURE 6: ZIA AGI #D2 SURFACE INJECTION PRESSURE, ANNULAR PRESSURE AND INJECTION TEMPERATURE

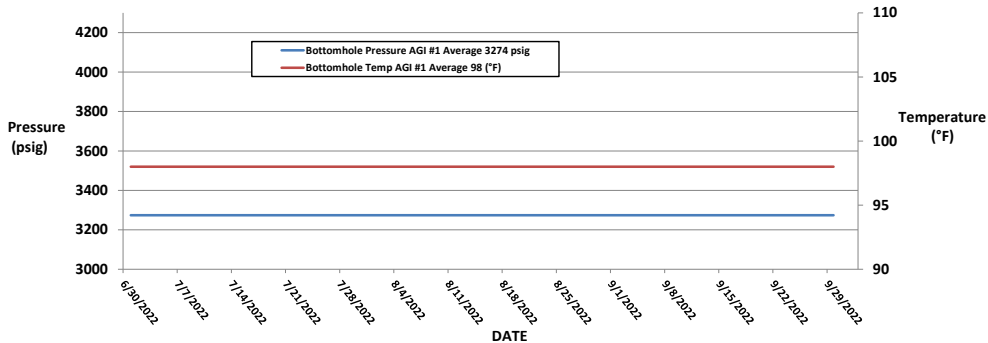




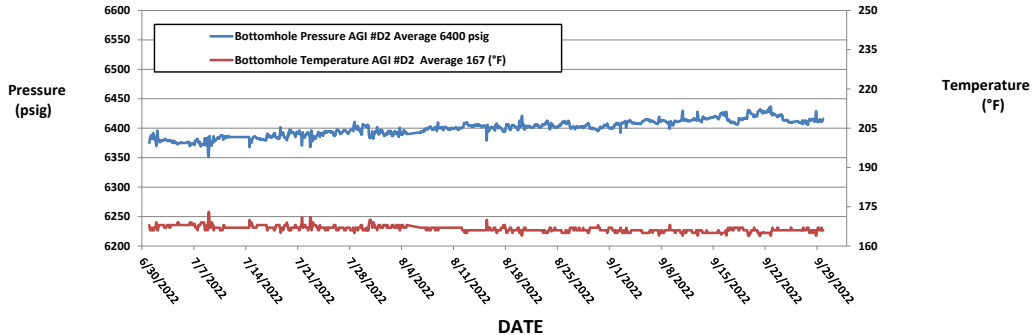
**FIGURE 7: ZIA AGI #D2 SURFACE INJECTION PRESSURE AND BOTTOM HOLE PRESSURE**



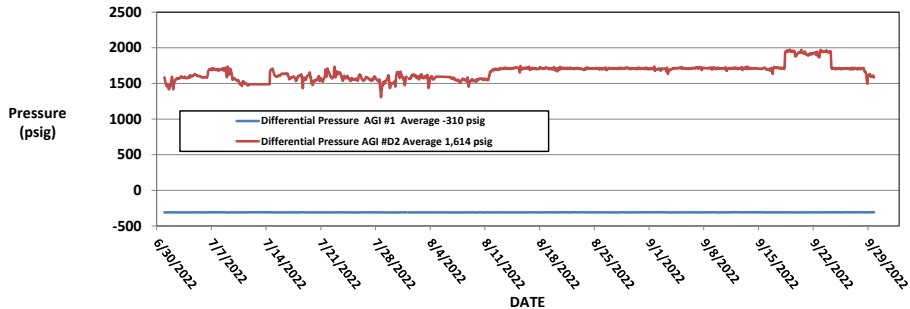
**FIGURE 8: ZIA AGI #1 BOTTOM HOLE PRESSURE AND TEMPERATURE**



**FIGURE 9: ZIA AGI #D2 BOTTOM HOLE PRESSURE AND TEMPERATURE**



**FIGURE 10: ZIA AGI #1 AND #D2 DIFFERENTIAL PRESSURE**



**WELL SCHEMATICS**

**Zia AGI#1            API# 30-025-42208**

**Zia AGI D#2        API# 30-025-42207**

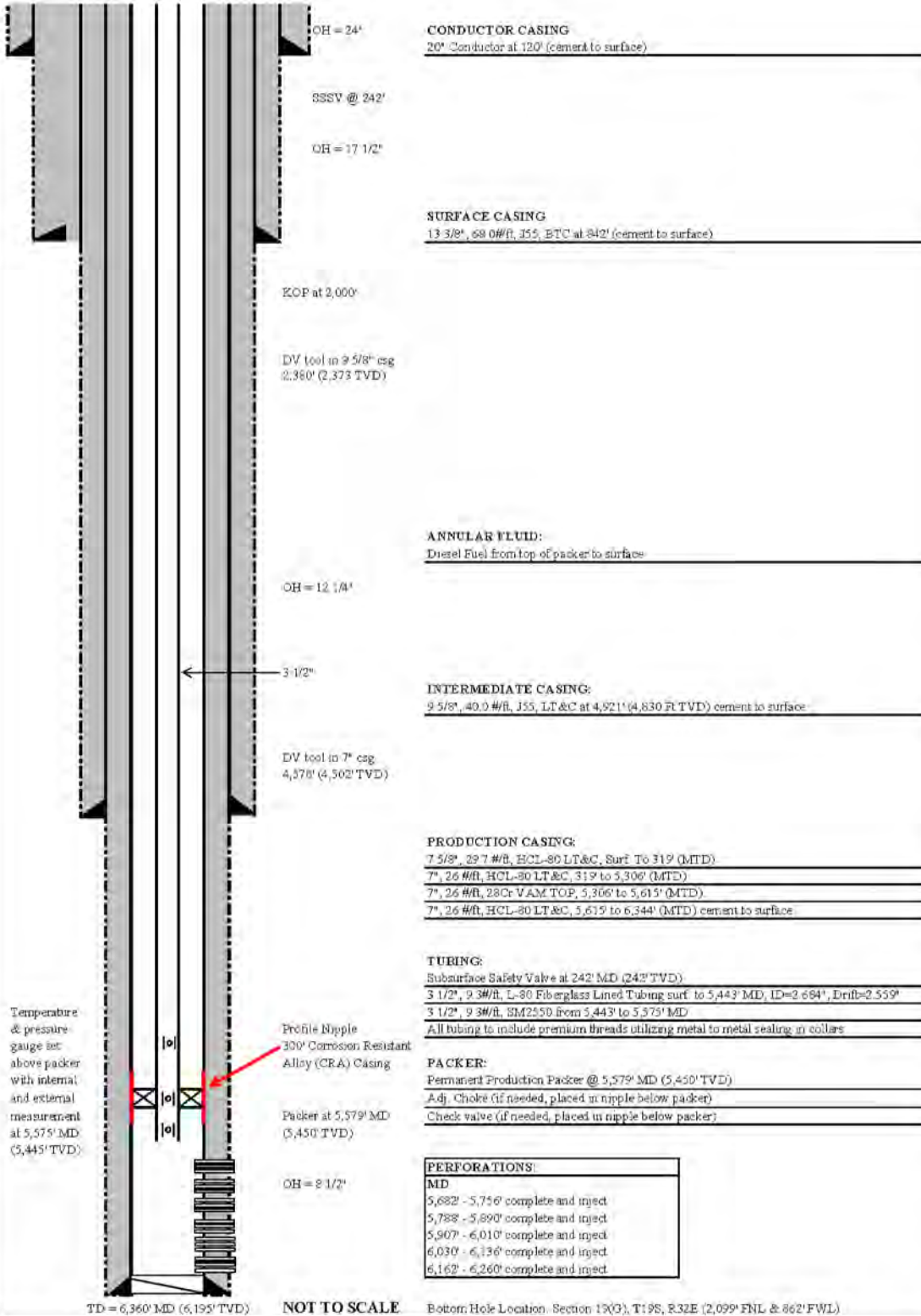
**GEOLEX**  
INCORPORATED

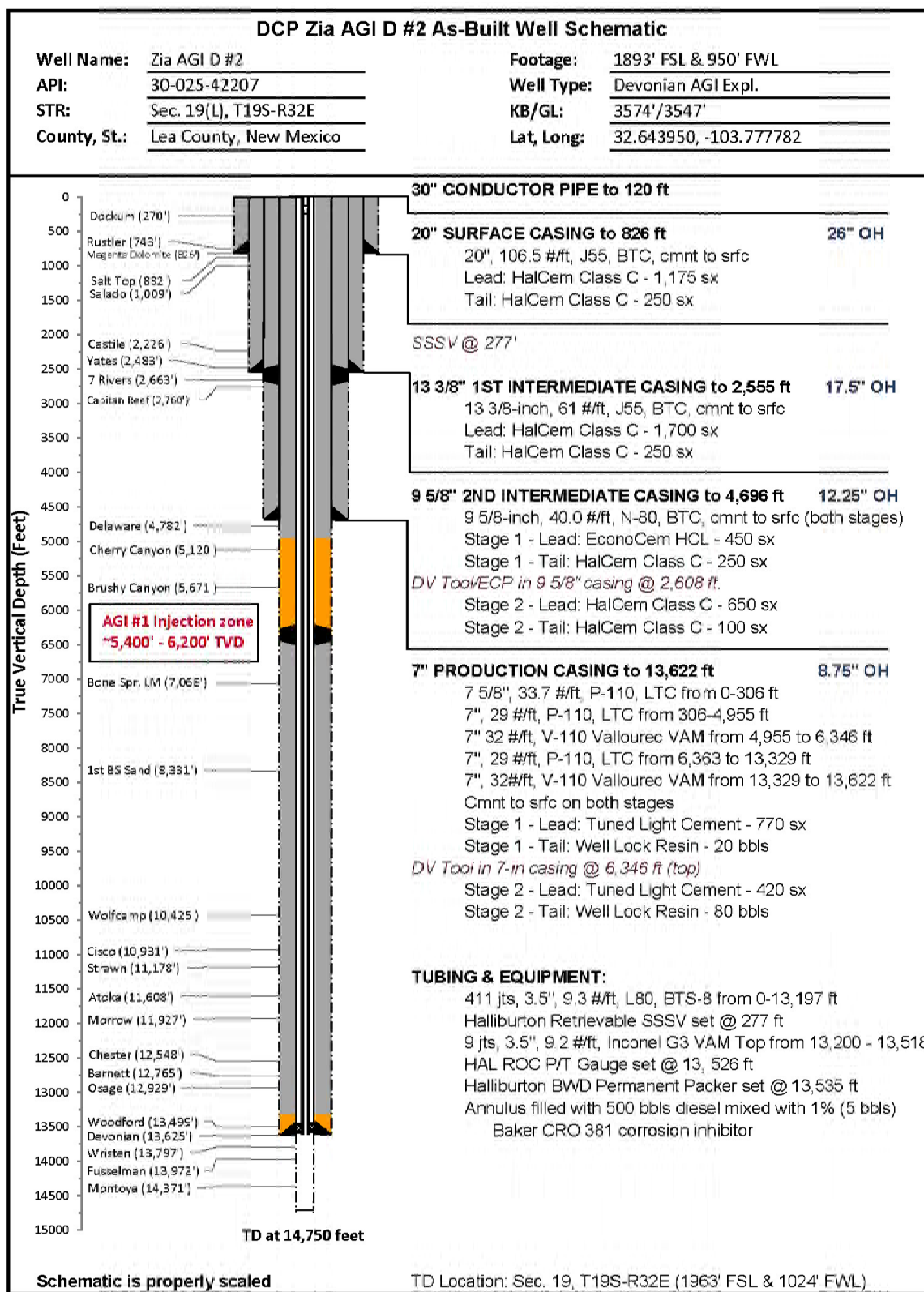
**Figure 3: ZIA AGI #1 AS-BUILT WELL SCHEMATIC**

**dcp**  
Midstream

Location: DCP Zia AGI #1 (API 30-025-42200)  
STR: Section 19(L), T19N-R32E (2100' FSL & 950' FWL)  
County, St.: LEA COUNTY, NEW MEXICO

**16.2 DEGREE SLANT**





**FIGURE 3: Zia AGI D #2 as-built well schematic**





## DCP MIDSTREAM

ZIA AGI #2

LEA COUNTY, NEW MEXICO

1/22/17

Company Rep.  
Tool SpecialistGARY HENRICH  
SCOTT WALTON

Office ODESSA

SAP No. 903711839

Final Installation					
Installation	Length	Depth	Description	OD	ID
1	25.00	7.52	KB CORRECTION		
2	0.50	32.52	TUBING HANGER		
3	3.62	33.02	DOUBLE PIN ADAPTER	3.500	2.925
4	31.41	36.64	1 JOINT 3.5" 9.3# L-80 BTS8 TUBING	3.500	2.925
5	17.48	68.05	3.5" 9.3# L80 BTS8- TUBING SUBS(9.73, 7.75)	3.500	2.925
6	188.39	85.53	6 JOINT 3.5" 9.3# L-80 BTS8 TUBING	3.500	2.925
7	3.72	273.92	3.5" 9.3# X-OVER SUB BTS8 BOX X AB-TC-II PIN	3.940	2.910
8	4.40	277.64	HALLIBURTON TUBING RETRIEVABLE SAFETY VALVE 3.5" 9.2# AB-TC-II BOX X PIN 478HRE18 102588547 SN-0003667054-2 NICKLE ALLOY 925 15,000# PRESSURE RATING 750 PSI CLOSING 2300 PSI OPENING 2.813 "R" PROFILE IN TOP OF VALVE.	5.290	2.813
9	3.75	282.04	3.5" 9.3# X-OVER SUB AB-TC-II BOX X BTS8 PIN	3.940	2.910
10	12911.35	285.79	411 JOINTS 3.5" 9.3# L80 BTS8 TUBING	3.500	2.684
11	3.75	13,197.14	X-OVER PUP JOINT 3.5" 9.3# BTS8 box X 3.5" 9.3# VAMTOP pin	3.930	2.684
12	317.56	13,200.89	9 JOINTS 3.5" 9.3# VAMTOP SM2550 NICKELTUBING	3.500	2.992
13	1.33	13,518.45	HALLIBURTON 2.562 X 3.5# 9.3# L-80 VAM TOP LANDING NIPPLE (811R25635)(102204262)(SN-0003744132-3) NICKEL ALLOY 925	3.940	2.562
14	6.35	13,519.78	3.5" 9.2# G3-125 VAMTOP BOX X PIN SUB (COUPLING ON BTM)	3.930	2.992
15	4.32	13,526.13	HALLIBURTON ROC GAUGE MANDREL 3.5" VAMTOP PXP 102329817 SN-ATM-16-106669-1 ROC GAUGE ROC16K175C 101863926 WD#9381-6034 ADDRESS 094 SN-ROC004482	4.670	2.950
16	3.75	13,530.45	3.5" 9.2# G3-125 VAMTOP BOX X PIN SUB	3.930	2.992
17	1.73	13,534.20	HALLIBURTON SEAL ASSEMBLY STRAIGHT SLOT LOCATOR 3.5" VAMTOP X 3.5" 10.2# VAMINSIDE INCOLOY 925 (212S4042-D)(102351212)(SN-G3362241-1)	4.460	2.886
18	4.33	13,535.93	EXTENSION 3.5" 10.2# VAMINSIDE NICKEL ALLOY 925 (212X38814-D) (158726)(SN-G3362256-1)	3.860	2.902
19	4.33	13,540.26	EXTENSION 3.5" 10.2# VAMINSIDE NICKEL ALLOY 925 (212X38814-D) (158726)(SN-G3362256-1)	3.860	2.902
20	5.00	13,544.59	5- SEAL UNITS 4" X 3.5" 10.2 VAM TOP NICKEL ALLOY 925 MOLDED AFLAS SEALS 4.07 OD, 8000 PSI (812MSA40003-D)(102133617)(SN-0003744129-1 0003744129-4) (0003744129-3 0003744129-2 0003744129-5) (METAL OD 3.95") (TOP 2 SEAL ARE FLOUREL BOTTOM 3 SEALS ARE AFLAS)	4.050	2.883
21	0.54	13,549.59	MULE SHOE GUIDE 3.5" 10.2# VAMINSIDE NICKEL ALLOY 925 (812G40137-D) (102133560)(SN-3744130)	3.950	2.980
22	3.11	13,535.00	LAND HANGER WITH 26,000# COMPRESSION PUTS 20,000# COMPRESSION ON PACKER PICK UP WEIGHT IS 132,000# SLACK OFF IS 120,000# HALLIBURTON PACKER ASSEMBLY		
23	11.41	13,538.11	HALLIBURTON 7" 26-32# BWD PERMANENT PACKER WITH 4" BORE, 4.75" 8UN BOX THREAD, INCOLOY 925 (212BWD70412-D)(101303583)(SN C3774119) WAS RUN ON W/L AND TOP @ 13535' ELEMENTS @ 13533.21'	5.880	4.000
24	0.83	13,549.52	SEAL BORE EXTENSION 4" X 8" INCOLOY 925 4.75 8UN PXP (PN212C7674)(120051359)(SN-0003744131-1)	5.030	4.000
25	5.76	13,550.35	X-OVER 4 75" 8UN BOX X 3.5" 9.3# VAM INCOLOY 925 (212N100131)(101719647)(SN-0003744131-1)	5.680	2.963
26	1.33	13,556.11	PUP JOINT 3.5" 9.3# VAM TOP INCOLOY 925 WITH COUPLING HALLIBURTON 2.562" X 3.5" VAMTOP LANDING NIPPLE (811X25635) (102204262) ( SN- 0003744132-1) NICKEL ALLOY 925	3.520	2.940
27	5.76	13,557.44	PUP JOINT 3.5" 9.3# VAM INCOLOY 925 WITH COUPLING HALLIBURTON 2.562" X 3.5" VAMTOP LANDING NIPPLE (811X25635) (102204262) ( SN- 0003744132-2) NICKEL ALLOY 925	3.940	2.562
28	1.33	13,563.20	WIRELINE RE-ENTRY GUIDE 3.5" 9.3# VAM INCOLOY 925	3.520	2.930
29	0.73	13,564.53	BOTTOM OF ASSEMBLY	3.940	2.562
30		13,565.25		3.970	3.000
			EOC @ 13,622' TD @ 14,750'		
			DIESEL USED FOR PACKER FLUID		
			Filename:		

FIGURE 4: Zia AGI D #2 as-built injection tubing and equipment schematic

**GEOLEX**  
INCORPORATED

**dcp**  
Midstream



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**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  
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**District IV**  
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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

CONDITIONS  
  
Action 150553

CONDITIONS

Operator: DCP OPERATING COMPANY, LP 6900 E. Layton Ave Denver, CO 80237	OGRID: 36785
	Action Number: 150553
	Action Type: [C-103] Sub. General Sundry (C-103Z)

CONDITIONS

Created By	Condition	Condition Date
anthony.harris	None	2/1/2024