

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

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.)		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 th 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. **Wellbore Diagrams attached.**

Zia AGI#1 MAOP 2,233 psig NMOCC Order R-13809 / Zia AGI D#2 MAOP 5,208 psig NMOCC Order R-14207

Quarterly Report for the period from October 1 to December 31, 2022 (Q4) 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 Q4 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. Annual MITs will be performed in February 2023. 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. The louver malfunction issues were addressed during a scheduled maintenance turnaround in mid-October of 2022. All 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 increased slightly (4.05 vs 3.91 MMSCFD) from the previous quarter although the increase would have been greater save for the fact the plant was shut down for almost 2 weeks in October for a scheduled turnaround.

AGI#1 Surface Measurements (inactive): Average TAG Line Pressure: 3 psig, Average Annular Pressure: 305 psig, Average Pressure Differential: -304 psig, Average Tag Line Temperature: 77°F, Average TAG injection rate: 0.00 MMSCFD (not in use this quarter).

AGI#1 Downhole Measurements (inactive): Average bottom hole pressure: 3,274 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: 1,789 psig, Average Annular Pressure: 225 psig, Average Pressure Differential: 1,641 psig, Average Tag Temperature: 119°F, Average TAG injection rate: 4.05 MMSCFD.

AGI D#2 Downhole Measurements: Average bottom hole pressure 6,425 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 still characterized by rapid swings in temperature but temperature fluctuations have been reduced. This is especially visible in Figure 6. With improved temperature control, the well is behaving appropriately with concurrent changes in injection pressure and annular pressure.

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 1-6-2023

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

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APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

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

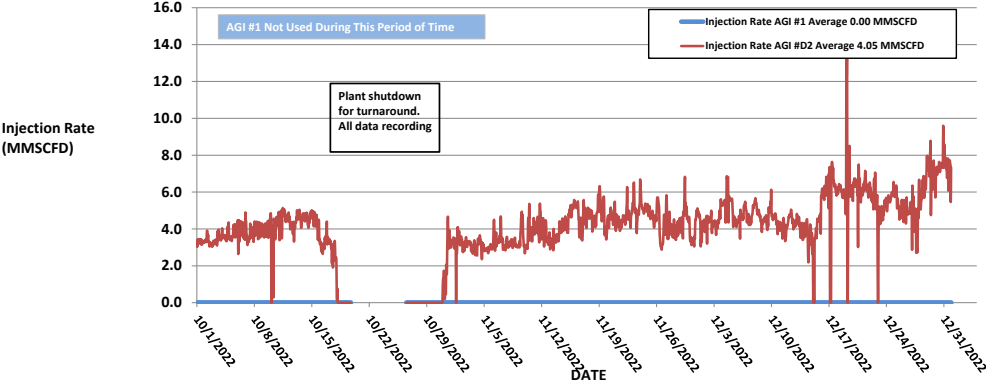


FIGURE 2: ZIA AGI #1 SURFACE INJECTION PRESSURE, ANNULAR PRESSURE AND INJECTION RATE

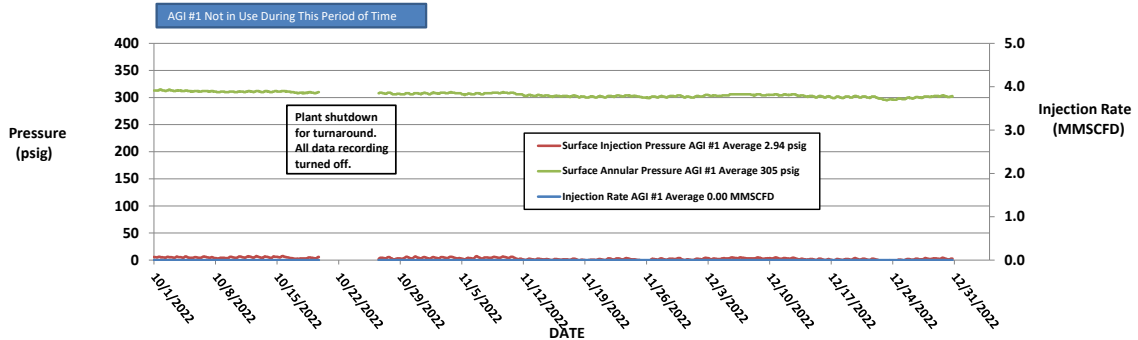


FIGURE 3: ZIA AGI #1 SURFACE INJECTION PRESSURE, ANNULAR PRESSURE AND INJECTION TEMPERATURE

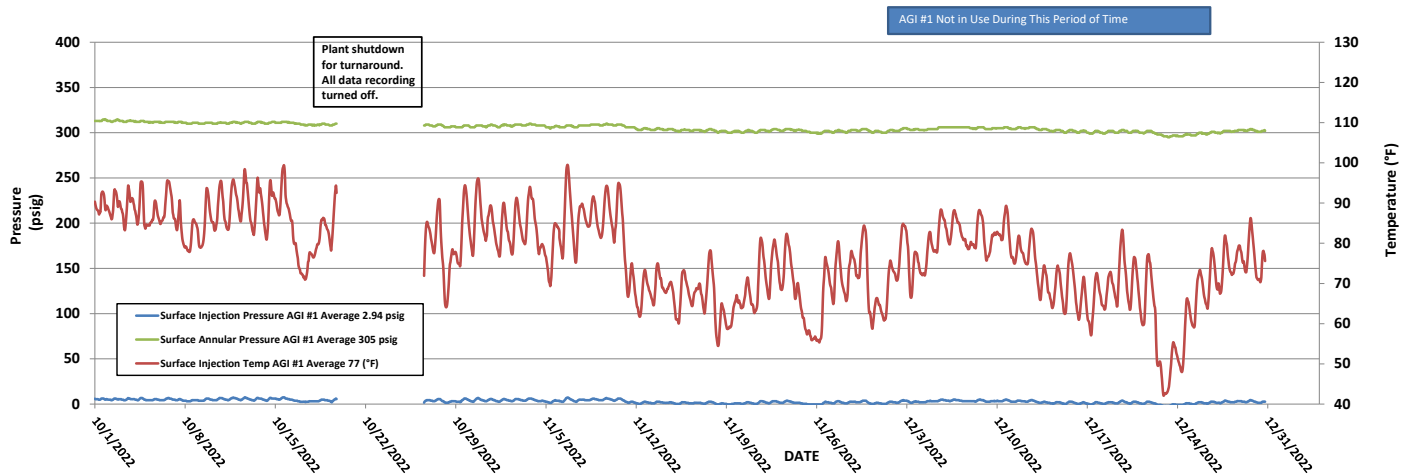


FIGURE 4: ZIA AGI #1 SURFACE INJECTION PRESSURE AND BOTTOM HOLE PRESSURE

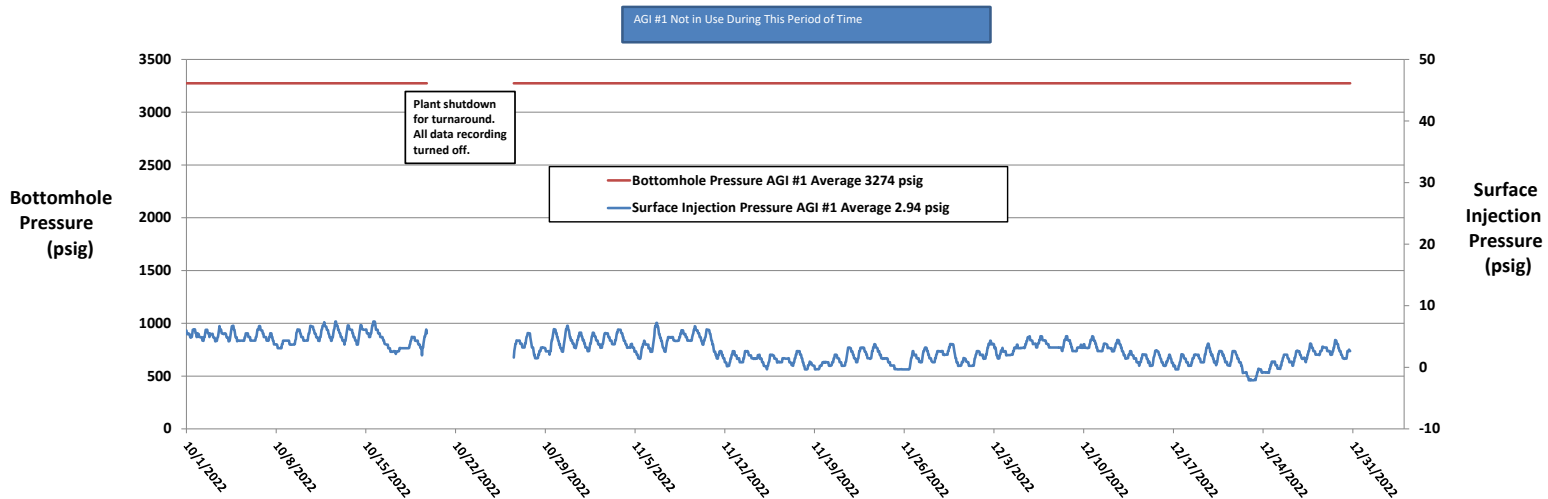


FIGURE 5: ZIA AGI #D2 SURFACE INJECTION PRESSURE, ANNULAR PRESSURE AND INJECTION RATE

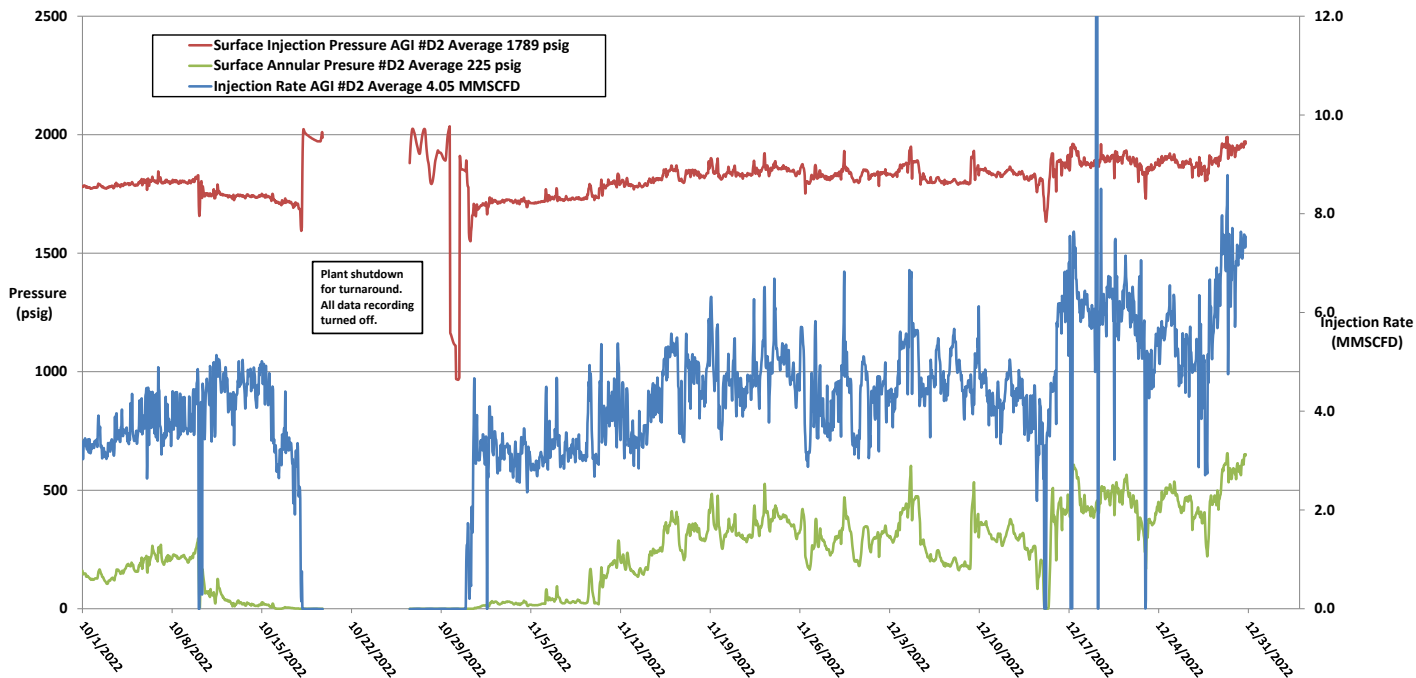


FIGURE 6: ZIA AGI #D2 SURFACE INJECTION PRESSURE, ANNULAR PRESSURE AND INJECTION TEMPERATURE

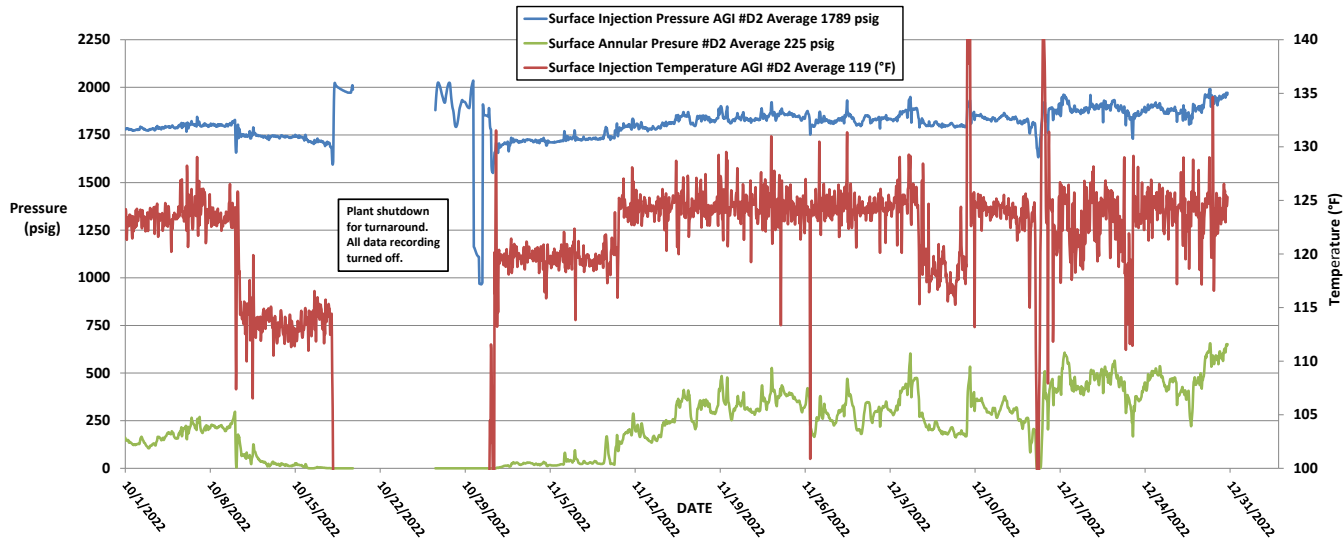


FIGURE 7: ZIA AGI #D2 SURFACE INJECTION PRESSURE AND BOTTOM HOLE PRESSURE

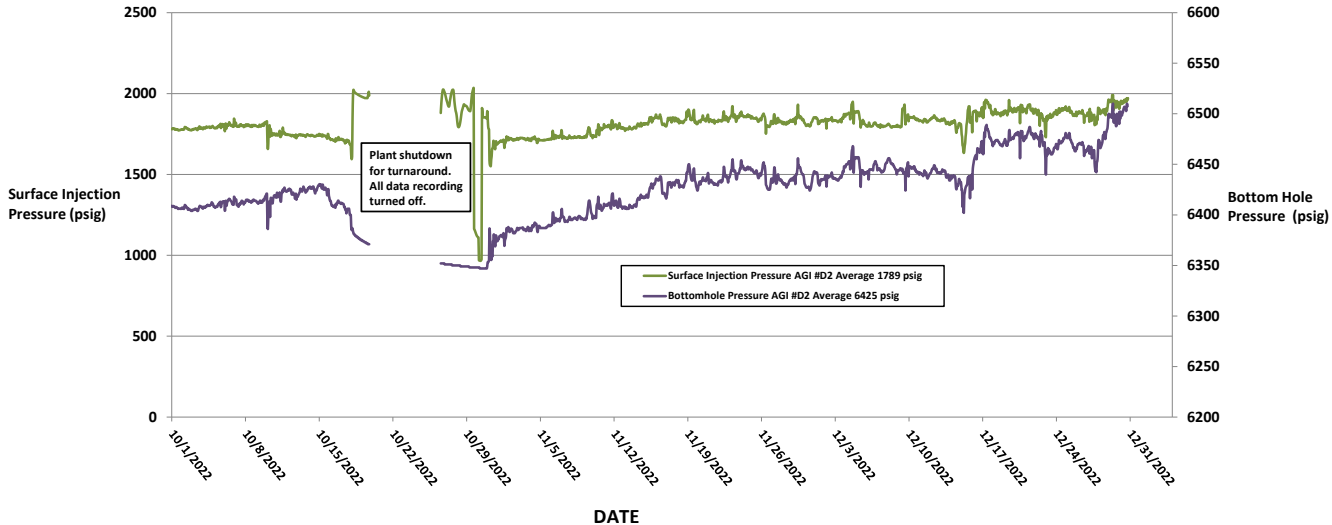


FIGURE 8: ZIA AGI #1 BOTTOM HOLE PRESSURE AND TEMPERATURE

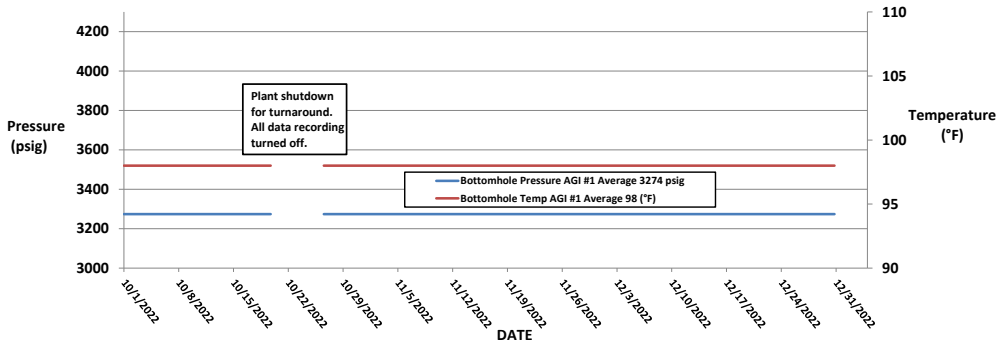


FIGURE 9: ZIA AGI #D2 BOTTOM HOLE PRESSURE AND TEMPERATURE

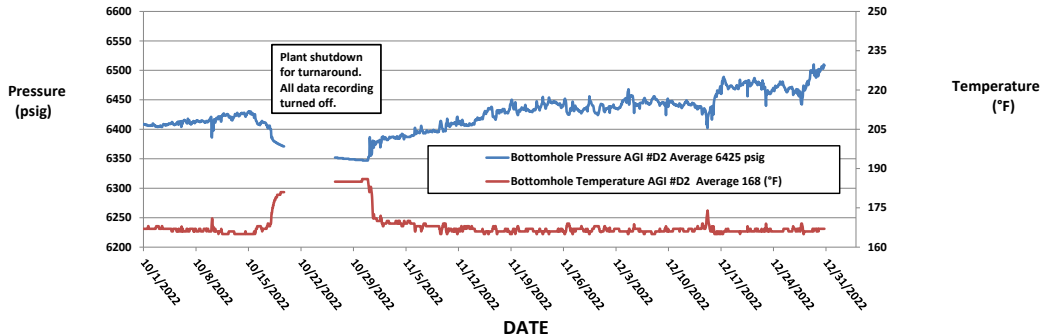
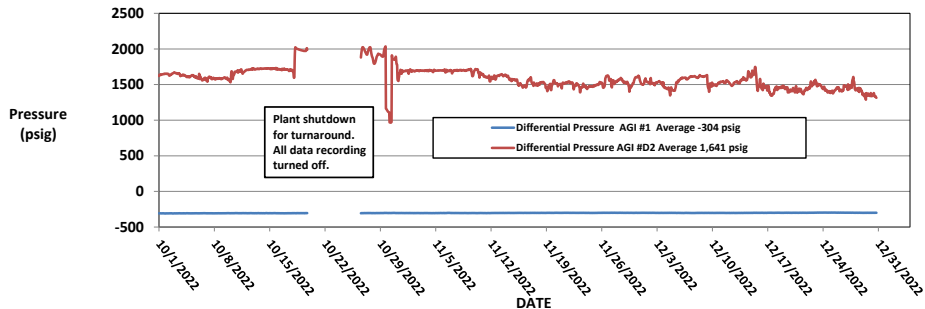


FIGURE 10: ZIA AGI #1 AND #D2 DIFFERENTIAL PRESSURE



WELL SCHEMATICS

Zia AGI#1	API# 30-025-42208
Zia AGI D#2	API# 30-025-42207

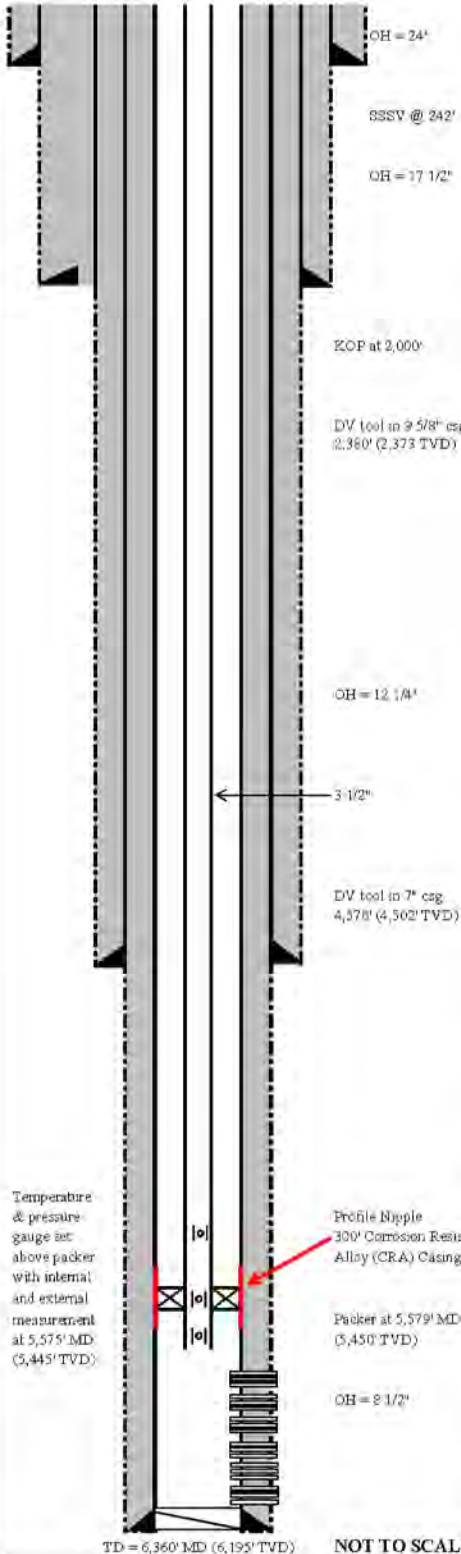
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Figure 3: ZIA AGI #1 AS-BUILT WELL SCHEMATIC

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Location: DCP Zia AGI #1 (API 30-025-42200)
STR: Section 19(L), T19S-R32E (2100' FSL & 950' FWL)
County, St.: LEA COUNTY, NEW MEXICO

16.2 DEGREE SLANT



CONDUCTOR CASING

20' Conductor at 120' (cement to surface)

SURFACE CASING

13 3/8\", 68.0 #/ft, J55, BTC at 342' (cement to surface)

ANNULAR FLUID:

Diesel Fuel from top of packer to surface

INTERMEDIATE CASING:

9 5/8\", 40.0 #/ft, J55, LT&C at 4,921' (4,830' RTVD) cement to surface

PRODUCTION CASING:

7 5/8\", 29.7 #/ft, HCL-80 LT&C, Surf. To 319' (MTD)

7\", 26 #/ft, HCL-80 LT&C, 319' to 5,306' (MTD)

7\", 26 #/ft, 28Cr VAM TOP, 5,306' to 5,615' (MTD)

7\", 26 #/ft, HCL-80 LT&C, 5,615' to 6,344' (MTD) cement to surface

TUBING:

Subsurface Safety Valve at 242' MD (242' TVD)

3 1/2\", 9.3 #/ft, L-80 Fiberglass Lined Tubing surf. to 5,443' MD, ID=2.684\", Drift=2.559"

3 1/2\", 9.3 #/ft, SM2550 from 5,443' to 5,575' MD

All tubing to include premium threads utilizing metal to metal sealing in collars

PACKER:

Permanent Production Packer @ 5,579' MD (5,450' TVD)

Adj. Choke (if needed, placed in nipple below packer)

Check valve (if needed, placed in nipple below packer)

PERFORATIONS:

MD

5,682' - 5,750' complete and inject

5,788' - 5,890' complete and inject

5,907' - 6,010' complete and inject

6,030' - 6,130' complete and inject

6,162' - 6,260' complete and inject

TD = 6,360' MD (6,195' TVD)

NOT TO SCALE

Bottom Hole Location: Section 19(G), T19S, R32E (2,099' FSL & 862' FWL)

Temperature
& pressure
gauge set
above packer
with internal
and external
measurement
at 5,575' MD
(5,445' TVD)

Profile Nipple
300' Corrosion Resistant
Alloy (CRA) Casing

Packer at 5,579' MD
(5,450' TVD)

OH = 2 1/2'

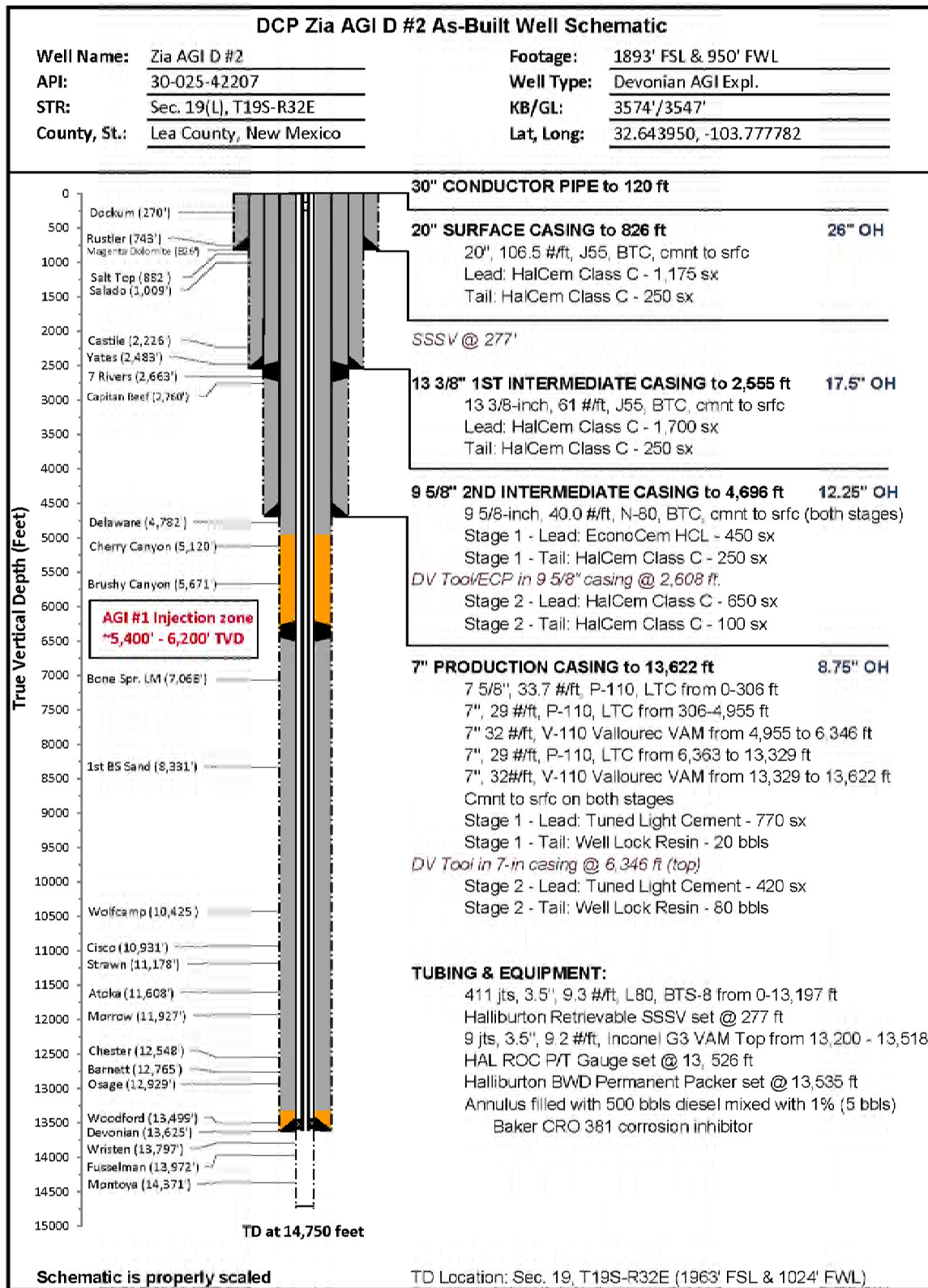


FIGURE 3: Zia AGI D #2 as-built well schematic



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

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Midstream

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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
Phone:(505) 334-6178 Fax:(505) 334-6170
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

CONDITIONS

Action 174046

CONDITIONS

Operator: DCP OPERATING COMPANY, LP 6900 E. Layton Ave Denver, CO 80237	OGRID: 36785
	Action Number: 174046
	Action Type: [C-103] Sub. General Sundry (C-103Z)

CONDITIONS

Created By	Condition	Condition Date
mgebremichael	None	1/10/2023