

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
		9. OGRID Number 36785
		10. Pool name or Wildcat #1 AGI: Cherry Canyon/Brushy Canyon D#2 AGI: Devonian/Fusselman/Montoya
		11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,550 (GR)

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: Annual Injection Data Summary <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 5208psig NMOCC Order R-14207

Annual Report for the period from January 1 through December 31, 2021 Pursuant to NMOCC Orders 13809 and 14207 for Zia AGI #1 and AGI D#2, respectively.

This report includes the summary of quarterly injection 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 2016 through 2021. While this is an annual summary, both the cumulative values are attached in order to provide a historical overview of the entire time frame of use. AGI D#2 continues to be 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. The downhole pressure decline observed in the AGI#1 well is due to the lack of use of the well during the period, and the fall off in the reservoir is slow due to the relatively low permeability of the Delaware zone. The annual summary of injection data is included herein and all of the values presented below are averages for the static conditions in the AGI #1 since the well has not been in operation since 2/7/2017 and only AGI D#2 operated for most of 2017 and exclusively since that time. AGI#1 serves only as a redundant well in the event of a problem that requires intervention in AGI D#2

AGI#1 Surface Measurements for Entire Period (inactive since Q1 2017):

Average TAG Line Pressure: 590 psig, Average Annular Pressure: 114 psig, Average Pressure Differential: 476 psig, Average Tag Line Temperature: 82°F, Average TAG injection rate: 558 MMSCFD for entire period (not used at all since 2017).

AGI#1 Downhole Measurements for Entire Period (inactive since Q1 2017):

Average bottom hole pressure 3469 psig, Average annular bottom hole pressure: 2220 psig, Average bottom hole TAG Temperature: 98°F.

AGI D#2 Surface Measurements for Entire Period:

Average TAG Injection Pressure: 1624 psig, Average Annular Pressure: 299 psig, Average Pressure Differential: 1325 psig, Average Tag Temperature: 112°F, Average TAG injection rate: 4900 MMSCFD (AGI D#2 used exclusively in 2021).

AGI D#2 Downhole Measurements for Entire Period:

Average bottom hole pressure 6206 psig, Average bottom hole TAG Temperature: 167°F. The data gathered through the fourth quarter of normal operations in 2021 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 continue to 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 1/18/2022

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

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

ANALYSIS OF ANNUAL TRENDS AND REQUEST TO CONTINUE WITH APPROVED IMMEDIATE NOTIFICATION PARAMETERS FOR OPERATION OF ZIA AGI #1 AND ZIA AGI D#2 (API #s 30-025-42208 AND 30-025-42207) UNDER R-13809 and R-14207

This document presents the results from the analyses of the injection parameter data collected from the Zia AGI #1 and D#2 Wells which serve the Zia Ranch Gas Processing Facility in Lea County, NM. Data from the Zia AGI #1 have been collected since its initial operation in 2015 through the time when the well was placed on backup/standby status after the commissioning of the Zia AGI D#2 on February 7, 2017. Similarly, for AGI D#2, data have been continuously collected and have been analyzed on a monthly basis by Geolex and transmitted to DCP for reporting to NMOCD on a quarterly basis as per the two NMOCC orders referenced above. The AGI D#2 well was completed in the Devonian through the Montoya section as a vertical well approximately 250 feet southwest of the AGI#1, which was completed in the Cherry Canyon and Brushy Canyon units of the Delaware Mountain Group. From the time that AGI D#2 was brought online, injection has been solely into AGI D#2 with AGI#1 now maintained in standby status as a backup well for the facility should circumstances require some interruption of flow to the AGI D#2 for maintenance or repairs.

This operational mode (utilizing only AGI D#2) will continue indefinitely with AGI#1 being used only as a backup standby well. In the meantime, in order to continue to record reservoir data in AGI #1 we still review and monitor bottom hole data in the well which is unaffected by its standby status. Bottom hole sensors for AGI D#2 provide data on reservoir conditions in the deeper Devonian reservoir and both downhole sensors are providing reliable data on both reservoirs. In addition, surface data from both wells is being collected relative to the following parameters:

- Treated Acid Gas (TAG) surface injection pressure (both wells),
- TAG injection temperature (both wells),
- Annular pressure (both wells)
- Bottom Hole pressure and temperature
- TAG flow rate from compressors to each well independently

The above are the key parameters which are currently being measured in both wells in order to monitor the operations of the wells, prevent hydrate formation, reduce corrosion potential. Since these parameters are useful indicators and predictors of potential operational or mechanical problems in the well, various levels of alarms have been established for each of these parameters. These parameters include three which are measured directly (TAG injection pressure, TAG injection temperature and annular pressure) and one (differential pressure) which is a calculated value (the difference between the two measured parameters of injection and annular pressure). The analyses of the long-term trends in these values have been useful in smoothing out shorter-term variations which can be observed from detailed inspection of hourly data and in the development of appropriate alarm bands for each parameter. These data are included as Table 1.

Both wells at Zia are equipped with bottom hole (just at top of packer) P/T measurement capability inside the tubing. The monitoring of these additional parameters will also aid significantly in determining the

appropriate immediate notification parameters which are required by the NMOCC order for AGI D#2. In general, the immediate notification parameters for both wells were developed from this long-term analysis of the injection data.

The NMOCD also requires that immediate notification parameters and levels be discussed and agreed upon with the agency, and that these be periodically reviewed and updated as needed based on operational or regulatory changes. The immediate notification parameters for both wells have been approved by NMOCD, and DCP requests no changes in these approved values. With this requirement in mind and for the purpose of protecting the mechanical integrity and safety of both wells and the overall AGI facility, Geolex monitors these data under contract to DCP to prevent damage to the wells or violation of regulatory requirements or permit constraints.

After three years of carefully analyzing the performance of AGI #1 on a continuous basis, Geolex has assembled the data and has analyzed observed trends for the 2016 through 2021 timeframe as can be seen in Figures 1 and 2.

Given the observations of the trends in the graphs and the significantly different behavior of both wells, the wells demonstrate good mechanical integrity. Pressure in the Zia AGI#1 reservoir has dropped slowly following cessation of injection in early 2017 and by now has stabilized as can be seen in Figure 3. There is no indication of the reservoir currently being used by AGI D#2 being pressured-up to any significant degree because average bottom hole pressure increased only about 4% (230psig) with nearly a 100% increase (2.5MMSCFD) in injection rate.

Upon startup from any shutdown that lasts more than 6-8 hours it is critical to inject methanol along with the TAG for the initial startup period to prevent the formation of hydrates. It is also critical to maintain the temperature control on the injected TAG and to avoid rapid temperature or pressure fluctuations during periods when power failures or other mechanical failures may occur.

The trends observed in AGI D#2 are shown in Figures 3 and 4 and total flow rates are summarized on Figure 5 for the entire period.

REVIEW OF STATISTICAL ANALYSIS OF INJECTION PARAMETERS, DEVELOPMENT OF AND REQUEST TO CONTINUE WITH APPROVED IMMEDIATE NOTIFICATION PARAMETERS ZIA AGI #1 AND ZIA AGI D#2 (API #s 30-025-42208 AND 30-025-42207) UNDER R-13809 and R-14207

The statistical analyses of the injection parameter data were initially conducted for the purpose of establishing normal operating levels for these parameters which are automatically monitored. Several data filtering steps were accomplished to take the hourly data which forms the basis of the analysis in order to smooth out variability due to normal operations. Since the commissioning of the AGI D#2, only that well has been operated and this operating approach will continue with the AGI#1 serving as a redundant and backup well in the event that maintenance is required on the AGI D#2. The bottom hole PT sensors in the two wells have provided excellent reservoir condition data for both wells.

All the data are summarized in Table 1. Based on the analysis of trends, the immediate notification parameters which were approved for AGI D#2 and the parameters previously approved for AGI#1 and continued through 2021 remain appropriate to continue through 2022. This is DCP's request and the approved immediate notification parameters are detailed below:

The approved immediate notification parameters for Zia AGI#1 (which is inactive) are summarized below:

1. Exceedance of the approved MAOP of 2233 psig surface for a period greater than two hours.
2. Failure of a mechanical integrity test (MIT) of the well.
3. Confirmation of any condition that indicates a tubing, packer or casing leak.
4. Any increase of the annular pressure to a value that is more than 80% of the injection pressure.
5. Any release of H₂S at the well which results in an activation of the facility's approved Rule 11 H₂S contingency plan.
6. Any workover or maintenance activity that requires intrusive work in the well.

The approved immediate notification parameters for the Zia AGI D#2 (which is the active well at the facility) are summarized below:

1. Exceedance of the approved MAOP of 5028 psig surface for a period greater than two hours.
2. Failure of a mechanical integrity test (MIT) of the well.
3. Confirmation of any condition that indicates a tubing, packer or casing leak.
4. Any increase of the annular pressure to a value that is more than 80% of the injection pressure.
5. Any release of H₂S at the well which results in an activation of the facility's approved Rule 11 H₂S contingency plan.
6. Any workover or maintenance activity that requires intrusive work in the well.

TABLE 1 DCP MIDSTREAM ZIA AGI FACILITY CUMMULATIVE INJECTION DATA

			AGI #1 Flowrate (MSCFD)	AGI #1 Surface TAG Injection Temperature(°F)	AGI #1 Surface TAG Injection Pressure (psig)	AGI #1 Surface Casing Annulus Pressure (psig)	AGI #1 Surface Injection and Casing Annular Pressure Differential (psig)	AGI #1 Bottomhole Annular Pressure (psig)	AGI #1 Bottomhole Injection Pressure (psig)	AGI #1 Bottomhole Injection Temperature (°F)	AGI D#2 Flowrate (MSCFD)	Total Flow Rate (MSCFD)	AGI D#2 Surface TAG Injection Temperature (°F)	AGI D#2 Surface TAG Injection Pressure (psig)	AGI D#2 Surface Casing Annulus Pressure (psig)	AGI D#2 Surface Annular Pressure Differential (psig)	AGI D#2 Average Bottom Hole Pressure (psig)	AGI D#2 Average Bottom Hole Temperature (°F)	Notes
Q #1 2016	January thru March 2017	3/30/2016	2260	88	1933	69	1864	2111	3321	84		2260							Only AGI #1 in use
Q #2 2016	April thru June	6/30/2016	3670	93	2116	97	2019	2288	4145	102		3670							Only AGI #1 in use
Q #3 2016	July thru September	9/30/2016	2100	94	2149	58	2091	2037	4170	101		2100							Only AGI #1 in use
Q #4 2016	October thru December	12/30/2016	2830	91	2140	13	2127	1975	4181	99		2830							Only AGI #1 in use
Q #1 2017	January thru March	3/30/2017	2520	91	2154	132	2022	1960	4025	98	2490	2502	99	1337	204	1132	6051	171	AGI #1 used exclusively 1-1-17 to 2-7-17. AGI D#2 commissioned 2-7-17 and used exclusively from 2-7-17 onward
Q #2 2017	April thru June	6/30/2017	0	77	1680	103	1577	1948	3714	98	4130	4130	102	1425	165	1260	6094	165	Only AGI D#2 in use
Q #3 2017	July thru September	9/30/2017	0	80	1081	131	950	2196	3583	98	4120	4120	108	1495	153	1342	6095	166	Only AGI D#2 in use
Q #4 2017	October thru December	12/30/2017	0	66	2	191	-189	2267	3481	98	3800	3800	104	1448	170	1278	6093	166	Only AGI D#2 in use
Q #1 2018	January thru March	3/30/2018	0	65	834	135	699	2249	3402	98	4460	4460	104	1478	353	1126	6118	165	Only AGI D#2 in use
Q #2 2018	April thru June	6/30/2018	0	80	10	90	-80	2261	3358	98	4230	4230	106	1495	474	1021	6119	166	Only AGI D#2 in use
Q #3 2018	July thru September	9/30/2018	0	81	9	111	-102	2280	3305	98	4540	4540	106	1512	548	964	6136	165	Only AGI D#2 in use
Q #4 2018	October thru December	12/30/2018	0	67	3	60	-57	2285	3274	98	5340	5340	104	1563	603	959	6173	165	Only AGI D#2 in use
Q #1 2019	January thru March	3/30/2019	0	70	3	62	-59	2285	3274	98	7100	7100	103	1558	526	1032	6193	163	Only AGI D#2 in use
Q #2 2019	April thru June	6/30/2019	0	87	6	57	-51	2285	3274	98	6290	6290	120	1755	445	1310	6193	168	Only AGI D#2 in use
Q #3 2019	July thru September	9/30/2019	0	94	8	60	-52	2285	3274	98	4512	4512	119	1706	291	1415	6180	168	Only AGI D#2 in use
Q #4 2019	October thru December	12/30/2019	0	77	5	43	-38	2285	3274	98	6820	6820	121	1805	519	1286	6275	169	Only AGI D#2 in use
Q #1 2020	January thru March	3/30/2020	0	75	4	33	-29	2285	3274	98	5890	5890	121	1778	310	1468	6271	169	Only AGI D#2 in use
Q #2 2020	April thru June	6/30/2020	0	89	7	24	-18	2285	3274	98	4280	4280	120	1721	122	1598	6238	168	Only AGI D#2 in use
Q #3 2020	July thru September	9/30/2020	0	93	8	18	-10	2285	3274	98	5950	5950	117	1772	189	1583	6302	168	Only AGI D#2 in use
Q #4 2020	October thru December	12/30/2020	0	79	4	16	-12	2285	3274	98	4810	4810	119	1725	100	1625	6282	167	Only AGI D#2 in use
Q #1 2021	January thru March	3/30/2021	0	74	2	306	-304	2285	3274	98	5030	5030	119	1742	234	1508	6301	167	Only AGI D#2 in use
Q #2 2021	April thru June	6/30/2021	0	87	4	311	-307	2285	3274	98	5370	5370	117	1743	243	1500	6336	166	Only AGI D#2 in use
Q #3 2021	July thru September	9/30/2021	0	90	5	312	-307	2285	3274	98	4410	4410	116	1716	183	1533	6328	167	Only AGI D#2 in use
Q #4 2021	October thru December	12/30/2021	0	82	4	304	-300	2285	3274	98	4430	4430	115	1710	149	1561	6345	166	Only AGI D#2 in use
Average for 2021			0	83	4	308	-305	2285	3274	98	4810	4810	117	1728	202	1526	6328	167	
Standard Deviation for 2021			0	6	1	3	3	0	0	0	408	408	1	15	38	24	16	1	
Average for Entire Period			558	82	590	114	476	2220	3469	98	4900	4536	112	1624	299	1325	6206	167	
Standard Deviation Entire Period			1116	9	875	97	899	115	316	3	1072	1297	8	140	158	218	92	2	

Figure 1 ZIA AGI #1 Surface Injection Data

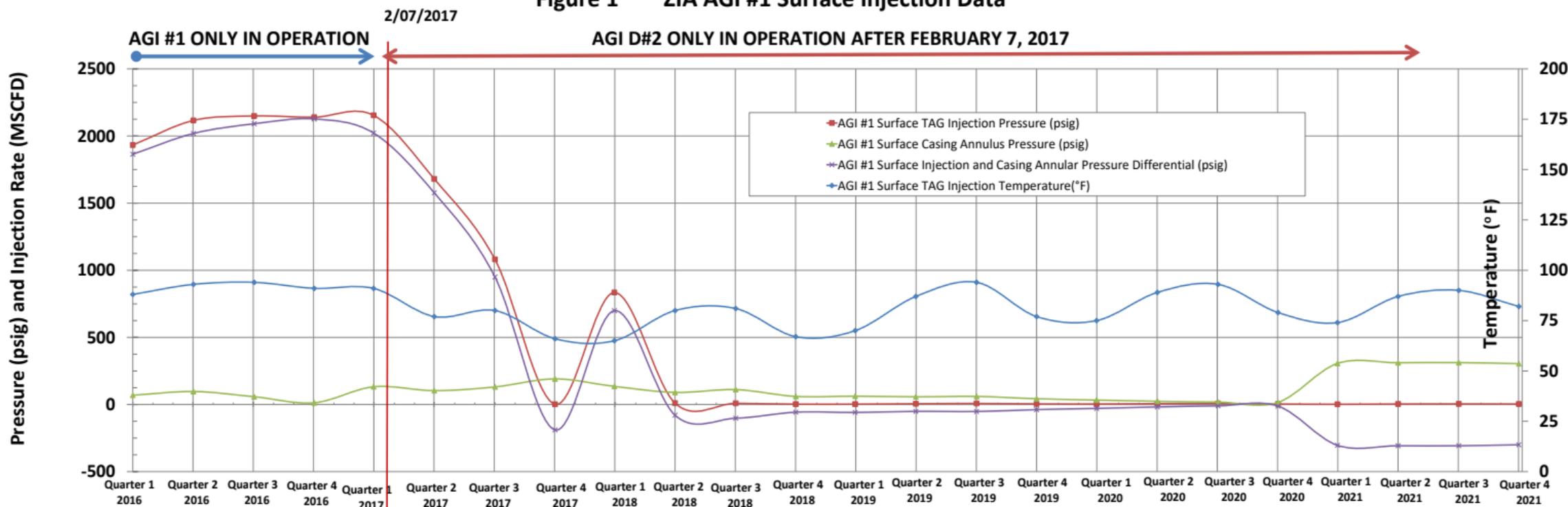
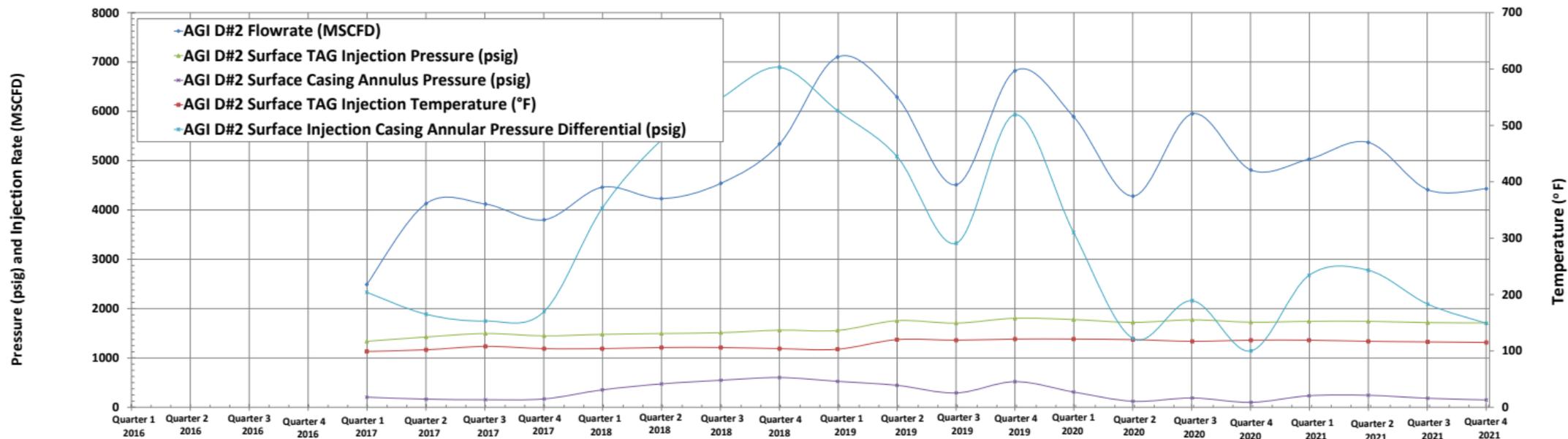
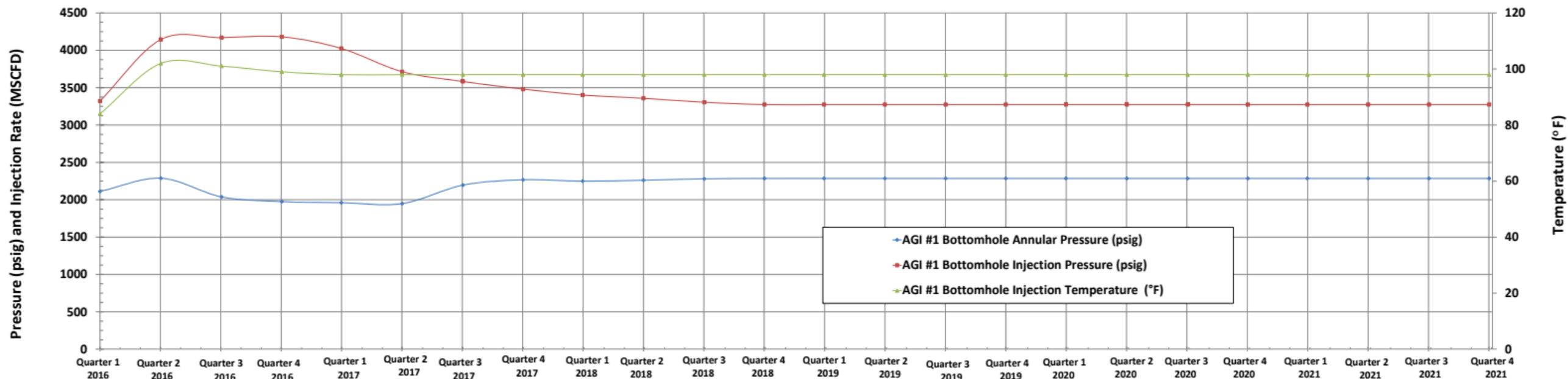


Figure 2 Zia AGI D#2 Surface Injection Data



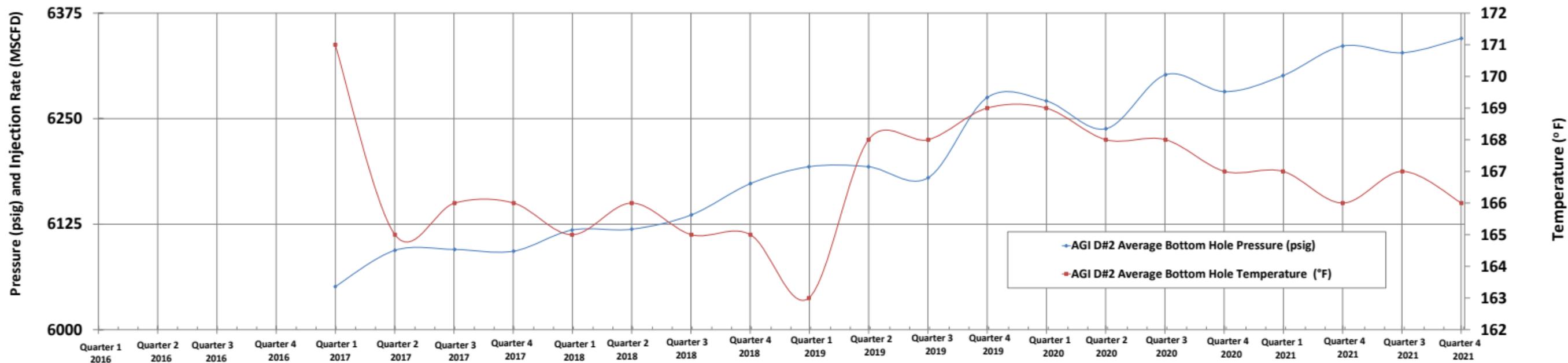
AGI D#2 WAS BROUGHT ONLINE ON 2/7/2017 AND HAS OPERATED AS THE SOLE AGI WELL TAKING ALL THE TAG FROM THE ZIA PLANT SINCE THAT DATE. AGI#1 IS NOW USED ONLY AS A BACKUP WELL IN THE EVENT THAT AGI D#2 REQUIRES SHUTDOWN FOR MAINTENANCE OR REPAIR.

Figure 3 Zia AGI #1 Bottomhole Data



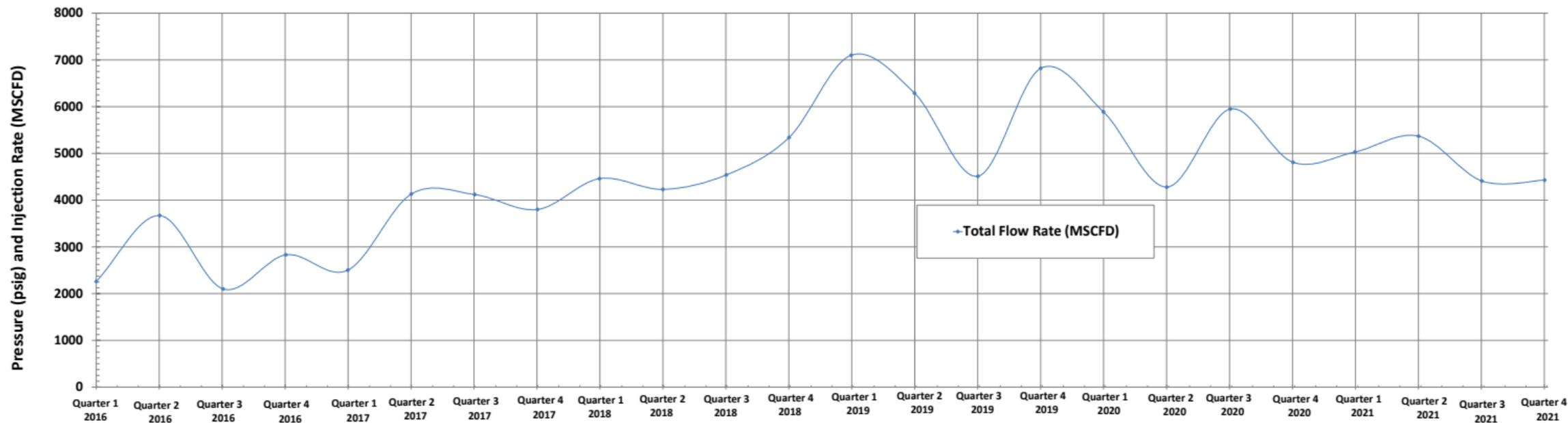
NOTE: AGI#1 was in use from early 2016 through 2/7/2017 -- note the drop in bottom hole pressure and increase in bottom hole temperature beginning in Q1 2017 in response to cessation of injection into the AGI #1. By 2020 the pressure and temperature values in the reservoir have stabilized and returned to pre-injection conditions.

Figure 4 Zia AGI D#2 Bottomhole Data



NOTE: AGI D#2 was brought online on 2/7/2017 -- note the drop in bottom hole temperature and increase in bottom hole pressure beginning in Q1 2017 in response to initiation of injection into the AGI D#2. Bottom hole temperature has now generally stabilized around 168° F and bottom hole pressure has increased about 250 psig in three years with an increase in injection rate of over 100%.

Figure 5 Zia AGI #1 and D#2 Total Flow Data



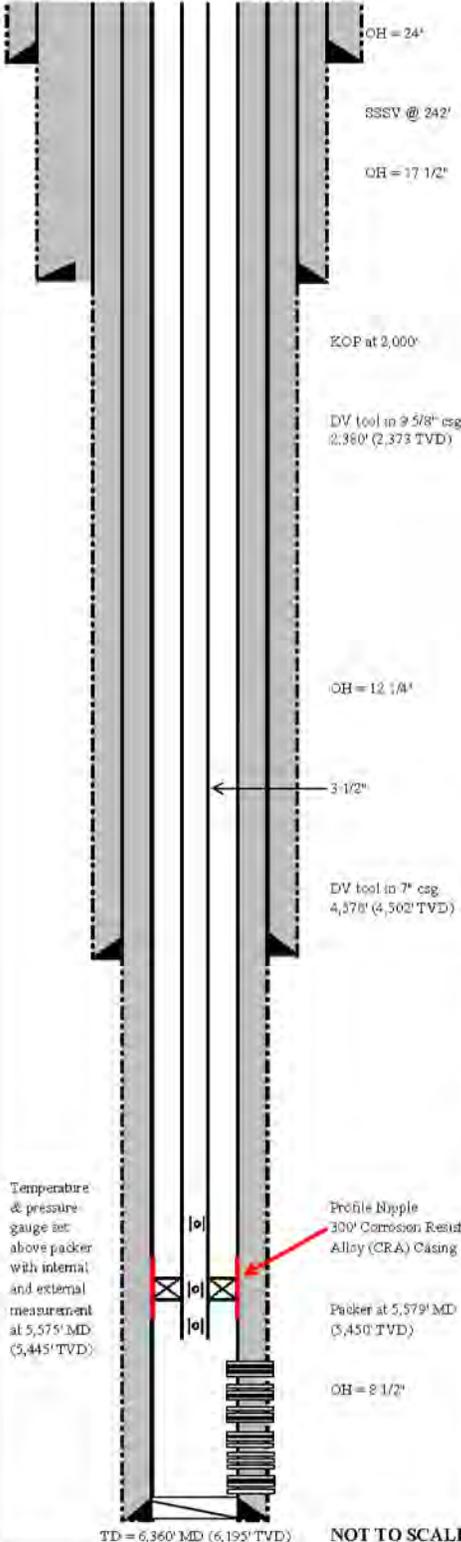
Note: Increase in total flow occurs after AGI D#2 is brought online in February 2017 allowing for processing higher volumes of gas through the plant than when it was relying on the AGI#1 well only. Current injection rate is increased over 100% over this time period.

WELL SCHEMATICS

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

Location: DCP Zia AGI #1 (API 30-025-42200)
 STR: Section 19(L), T19S-R32E (2100' FNL & 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 242' (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' TVD) 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 3,306' (MTD)
 7", 26 #/ft, 28Cr VAM TOP, 3,306' 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=2.539"
 3 1/2", 9.3#/ft, SM2150 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

NOT TO SCALE Bottom Hole Location: Section 19(G), T19S, R32E (2,099' FNL & 862' FWL)

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

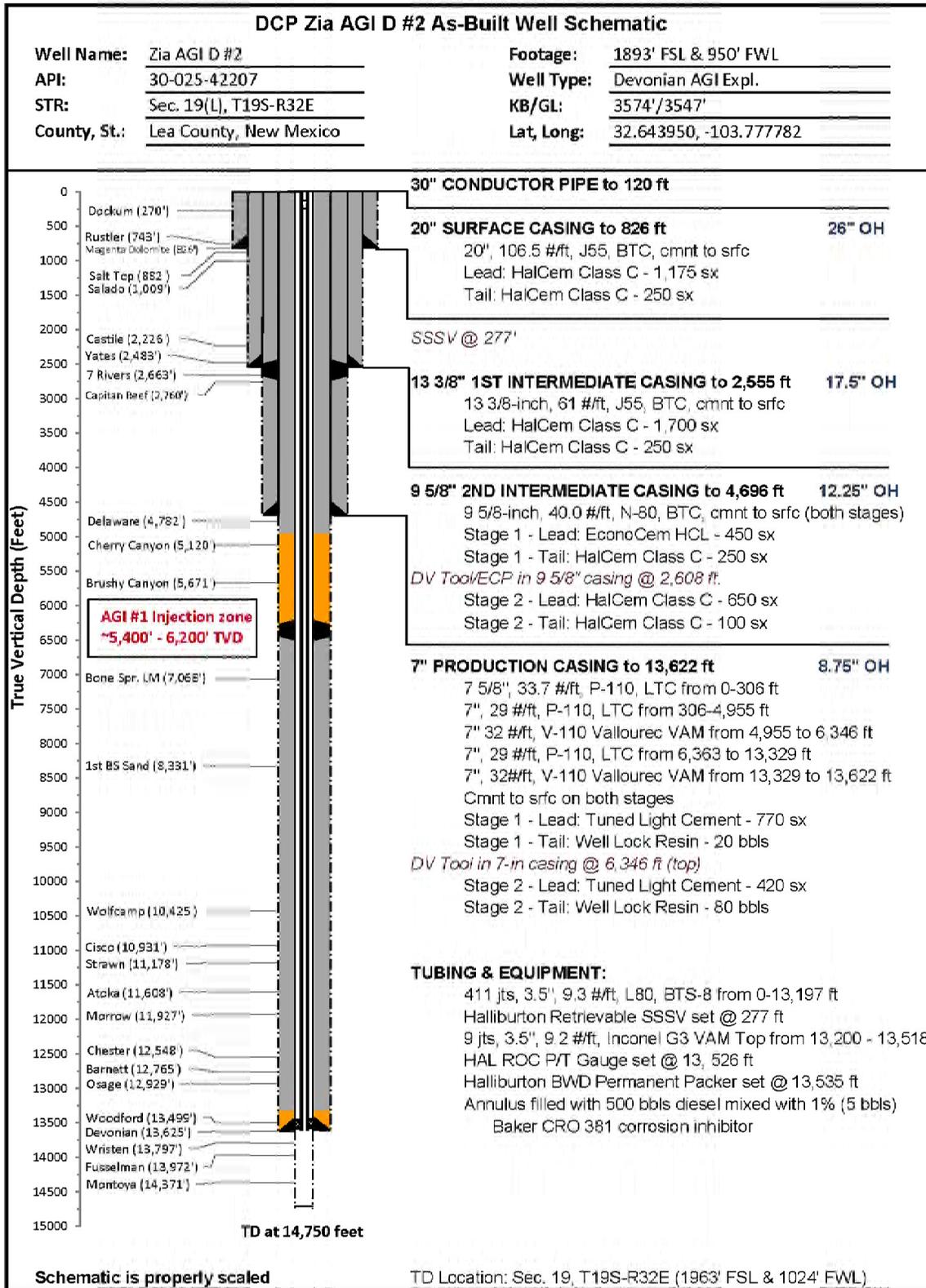


FIGURE 3: Zia AGI D #2 as-built well schematic

Final Installation					
Installation	Length	Depth	Description	OD	ID
1	25.00	7.52	KB CORRECTION		
2	0.50	32.52	TUBING HANGER		
1	3.62	33.02	DOUBLE PIN ADAPTER	3.500	2.925
2	31.41	36.64	1 JOINT 3.5" 9.3# L-80 BTS8 TUBING	3.500	2.925
3	17.48	68.05	3.5" 9.3# L80 BTS8- TUBING SUBS(9.73, 7.75)	3.500	2.925
4	188.39	85.53	6 JOINT 3.5" 9.3# L-80 BTS8 TUBING	3.500	2.925
5	3.72	273.92	3.5" 9.3# X-OVER SUB BTS8 BOX X AB-TC-II PIN	3.940	2.910
6	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
5	3.75	282.04	3.5" 9.3# X-OVER SUB AB-TC-II BOX X BTS8 PIN	3.940	2.910
7	12911.35	285.79	411 JOINTS 3.5" 9.3# L80 BTS8 TUBING	3.500	2.684
9	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
10	317.56	13,200.89	9 JOINTS 3.5" 9.3# VAMTOP SM2550 NICKELTUBING	3.500	2.992
11	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
12	6.35	13,519.78	3.5" 9.2# G3-125 VAMTOP BOX X PIN SUB (COUPLING ON BTM)	3.930	2.992
13	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
14	3.75	13,530.45	3.5" 9.2# G3-125 VAMTOP BOX X PIN SUB	3.930	2.992
A	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
a-1	4.33	13,535.93	EXTENSION 3.5" 10.2# VAMINSIDE NICKEL ALLOY 925 (212X38814-D) (158726)(SN-G3362256-1)	3.860	2.902
9	4.33	13,540.26	EXTENSION 3.5" 10.2# VAMINSIDE NICKEL ALLOY 925 (212X38814-D) (158726)(SN-G3362256-1)	3.860	2.902
a-3	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
10	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
11			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		
15	3.11	13,535.00	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
16	11.41	13,538.11	SEAL BORE EXTENSION 4" X 8" INCOLOY 925 4.75 8UN PXP (PN212C7674)(120051359)(SN-0003744131-1)	5.030	4.000
17	0.83	13,549.52	X-OVER 4 75" 8UN BOX X 3.5" 9.3# VAM INCOLOY 925 (212N100131)(101719647)(SN-0003744131-1)	5.680	2.963
18	5.76	13,550.35	PUP JOINT 3.5" 9.3# VAM TOP INCOLOY 925 WITH COUPLING	3.520	2.940
19	1.33	13,556.11	HALLIBURTON 2.562" X 3.5" VAMTOP LANDING NIPPLE (811X25635) (102204262) (SN- 0003744132-1) NICKEL ALLOY 925	3.940	2.562
20	5.76	13,557.44	PUP JOINT 3.5" 9.3# VAM INCOLOY 925 WITH COUPLING	3.520	2.930
21	1.33	13,563.20	HALLIBURTON 2.562" X 3.5" VAMTOP LANDING NIPPLE (811X25635) (102204262) (SN- 0003744132-2) NICKEL ALLOY 925	3.940	2.562
22	0.73	13,564.53	WIRELINE RE-ENTRY GUIDE 3.5" 9.3# VAM INCOLOY 925	3.970	3.000
		13,565.25	BOTTOM OF ASSEMBLY		
			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