

HOBBS OCD**MAY 01 2018****RECEIVED**State of New Mexico
Energy, Minerals and Natural ResourcesOIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505Form C-103
Revised July 18, 2013

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 <input type="checkbox"/> Gas Well <input type="checkbox"/> Other: Acid Gas Injection Well <input checked="" type="checkbox"/>	WELL API NO. 30-025-43470
2. Name of Operator Targa Midstream Services, LLC	5. Indicate Type of Lease BLM STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
3. Address of Operator 1000 Louisiana, Houston, TX 77002	6. State Oil & Gas Lease No. NA
4. Well Location Surface Unit Letter <u>O</u> : <u>685</u> feet from the SOUTH line and <u>2,362</u> feet from the EAST line Section <u>36</u> Township <u>19S</u> Range <u>36E</u> NMPM County <u>Lea</u>	7. Lease Name or Unit Agreement Name Monument AGI D
	8. Well Number #2
	9. OGRID Number 24650
	10. Pool name or Wildcat AGI: Devonian
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,384 (GR)	

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: Quarterly Injection Data Reports ☒

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.**

MONUMENT AGI D #2 MAOP 3000 psig NMOCC Administrative Order SWD-1654.**Quarterly Report for the period from January 1 through March 31, 2017 Pursuant to NMOCC Administrative Order SWD-1654.**

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 (i.e. injection parameters) for the Monument AGI D #2 for Q1 2018. Based on data for surface injection/annular pressure, and the current MIT conducted on January 31, 2018, the well continues to show excellent integrity. For the first quarter 2018, the values for injection parameters are generally stable and yielded the following results, which are graphed in detail in attached Figures 1 through 7. The following average values represent the operational condition of the well:

Surface Measurements: Average TAG Injection Pressure: 1983 psig, Average Annular Pressure: 323 psig, Average Pressure Differential: 1561 psig, Average Tag Temperature: 116 °F, Average TAG injection rate: 2.2 MMSCFD.

Downhole Measurements: Average bottom-hole pressure 4960 psig, Average bottom-hole TAG Temperature: 118° F.

The data gathered throughout the first quarter of normal operations in 2018 demonstrate the correlative behavior of the annular pressure with the flowrate, injection pressure and temperature, and show the sensitive and correlative response of the annular pressure confirming that the well has good integrity and is functioning appropriately within the requirements of the NMOCC order. Plant upsets and shutdowns during this quarter caused decreases in injection rates resulting in typical and corresponding changes in the other injection parameters. AGI ceased between 2/27/18 and 3/4/18 due to scheduled plant maintenance. All other dates and times when the AGI was offline were due to issues with the compressor and/or plant, and not with the AGI well. No mechanical changes to the well or wellhead have been made since the last quarterly report. The Monument AGI D #2 well displays excellent reservoir characteristics easily accommodating the required volumes of TAG from the facility. Furthermore, Figure 7 shows changes in injection rate having little effect on surface injection pressures.

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

*Cont. next page**MB*

SIGNATURE  TITLE Consultant to Targa Midstream Services, LLC DATE 4/24/2018

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 **Accepted for Record Only** DATE _____

Conditions of Approval (if any):

 5/1/2018

FIGURE 1: MONUMENT AGI D #2 INJECTION RATES WHILE OPERATING

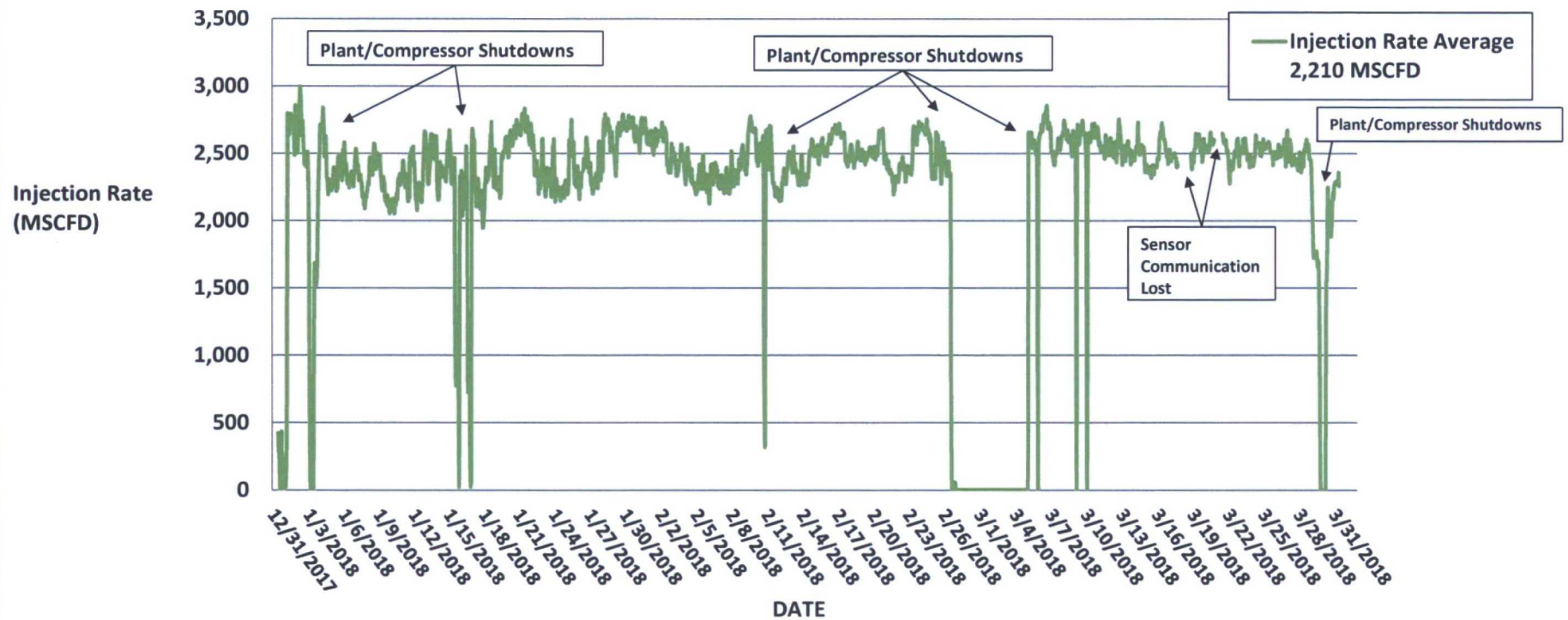


FIGURE 2: MONUMENT AGI D #2 SURFACE INJECTION PRESSURE, ANNULAR PRESSURE AND INJECTION RATE

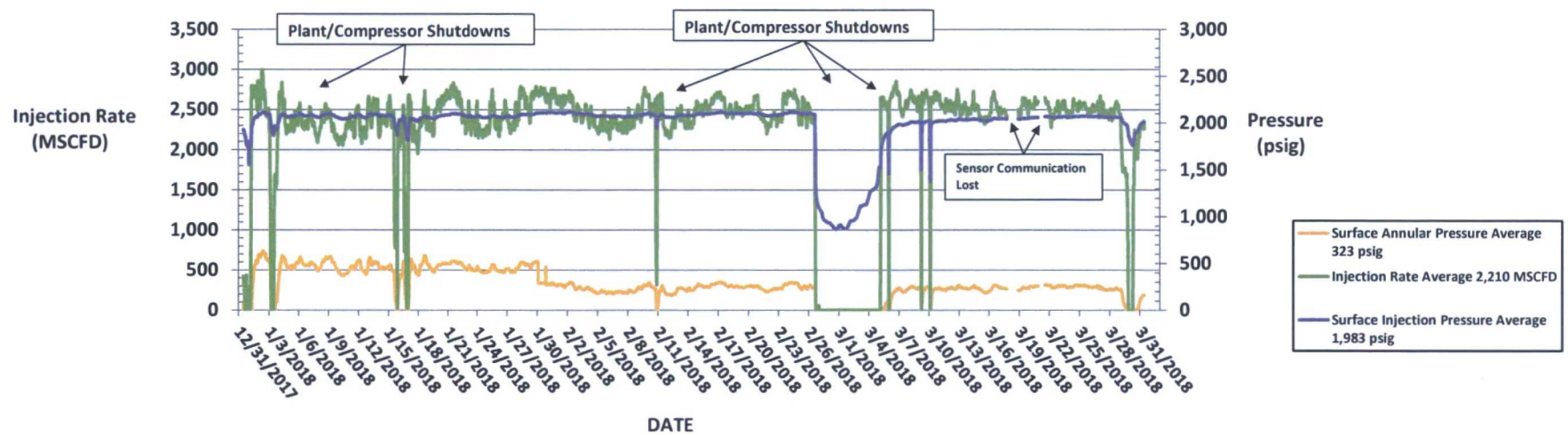


FIGURE 3: MONUMENT AGI D #2 SURFACE INJECTION PRESSURE, ANNULAR PRESSURE AND INJECTION TEMPERATURE

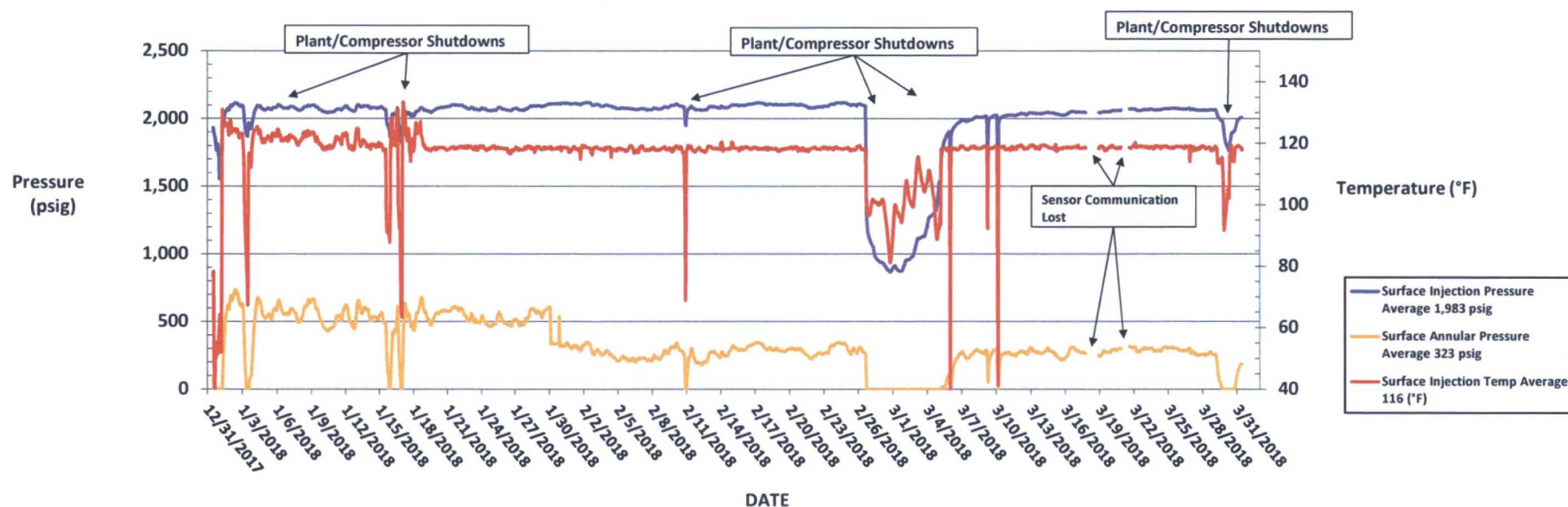


FIGURE 4: MONUMENT AGI D #2 SURFACE INJECTION PRESSURE AND BOTTOM HOLE PRESSURE

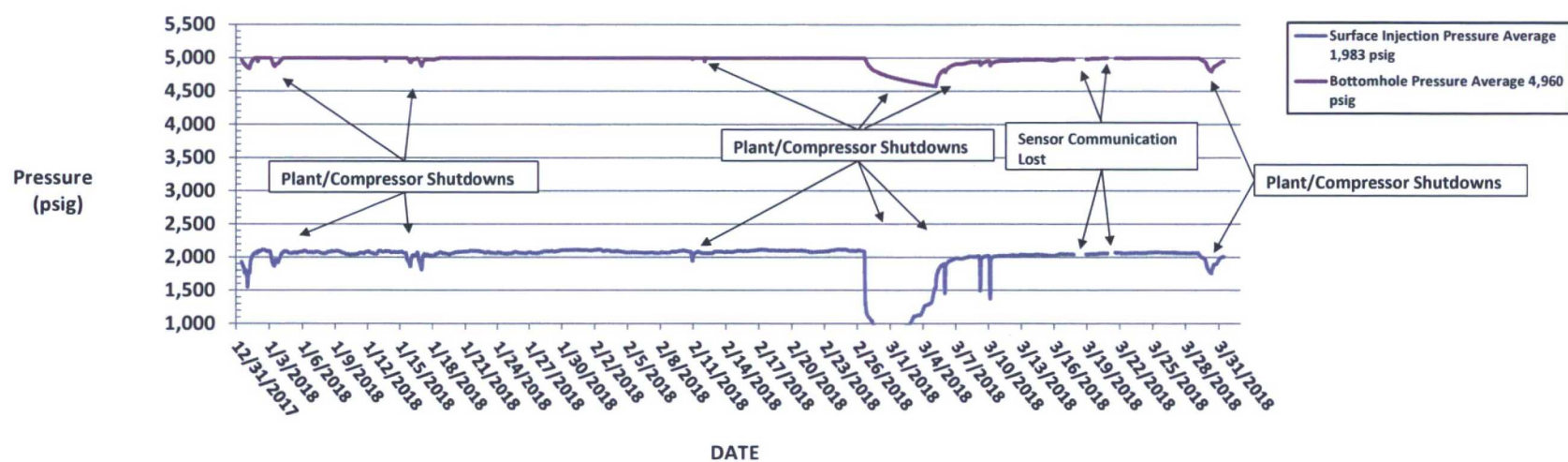


FIGURE 5: MONUMENT AGI D #2 BOTTOM HOLE PRESSURE AND TEMPERATURE

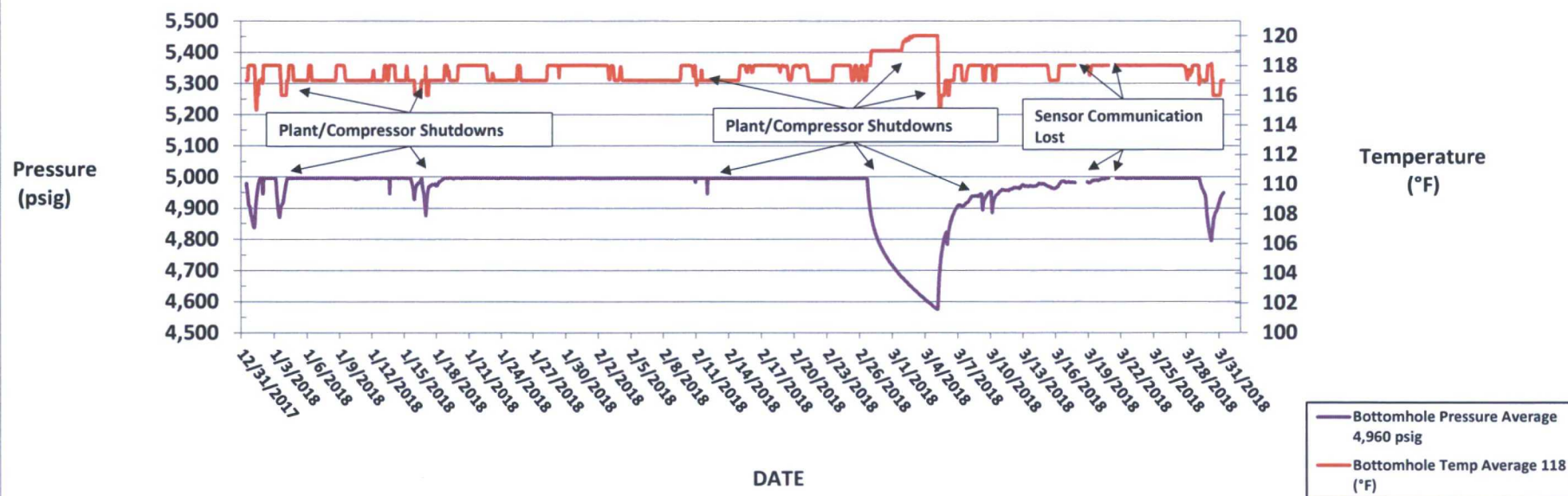


FIGURE 6: MONUMENT AGI D #2 DIFFERENTIAL PRESSURE

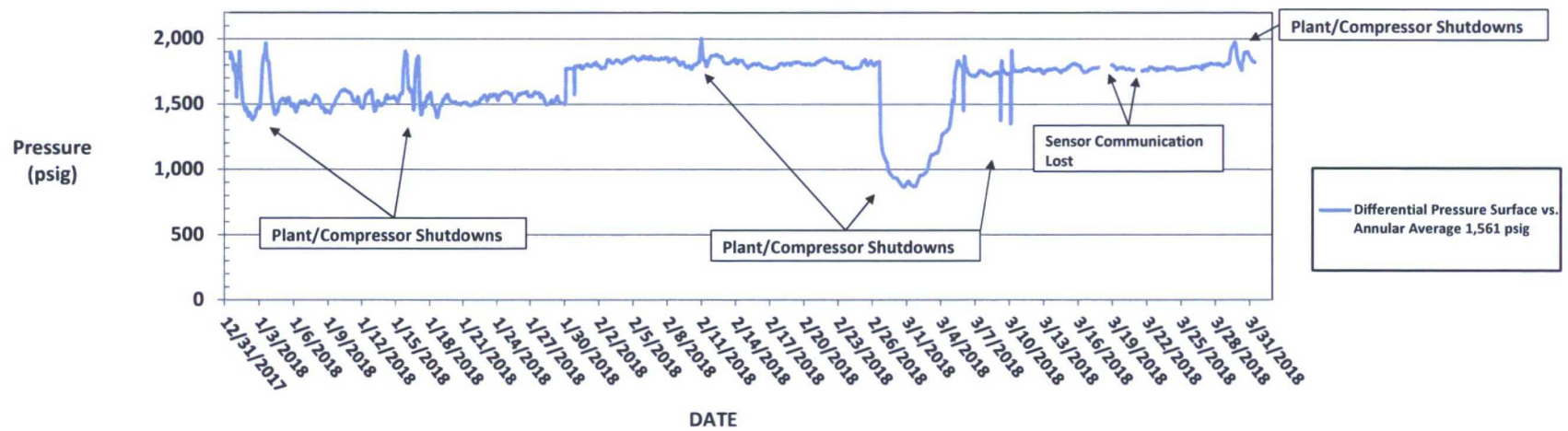
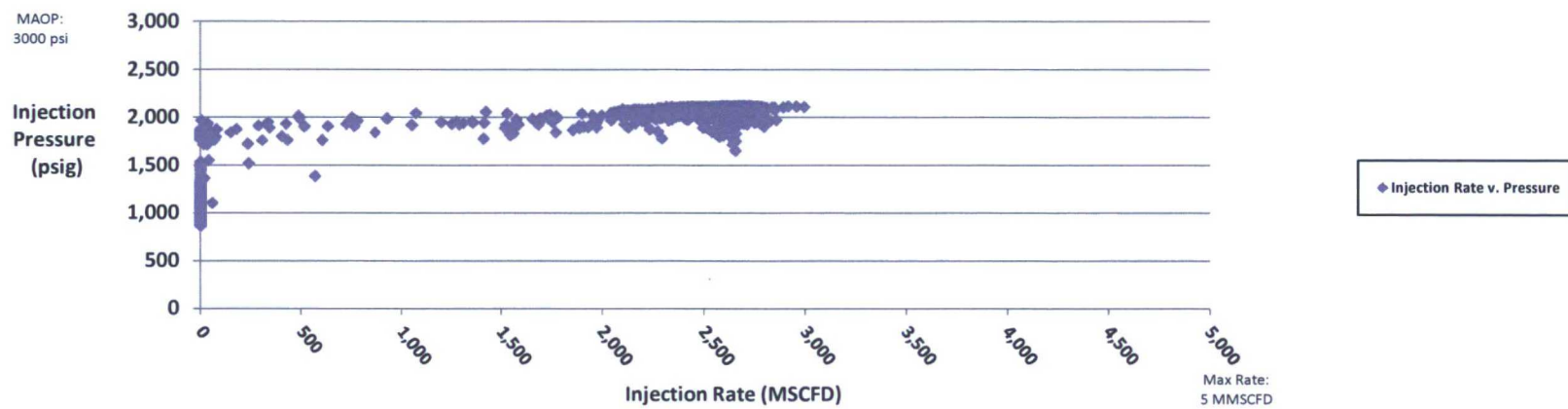


Figure 7 :Monument AGI D#2, Injection Pressure v. Rate, January - March 2018



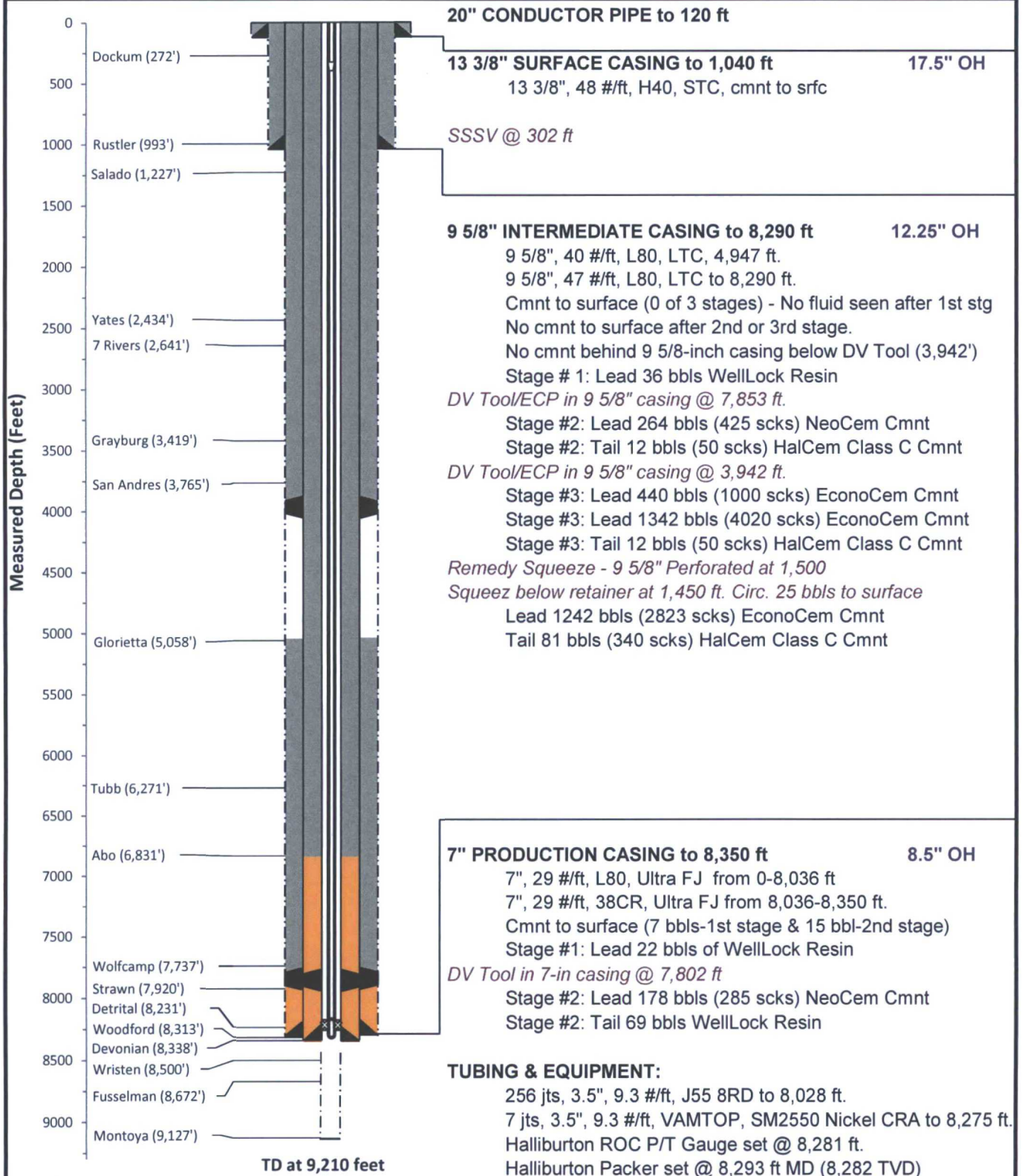
WELL AND TUBING SCHEMATIC

Monument AGI D #2 API# 30-025-43470

Targa Monument AGI D #2 As-Built Well Schematic

Well Name: Monument AGI D #2
API: 30-025-43470
STR: Sec. 36(O), T19S-R36E
County, St.: Lea County, New Mexico

Footage: 685' FSL & 2,362' FEL
Well Type: AGI Devonian
KB/GL: 3,609'/3,584'
Lat, Long: 32.6115308, -103.3063534



**Schematic is properly scaled
 (Formation Depths are MD)**

TD Location: Sec. 36, T19S-R36E (734' FSL & 2131' FEL)



TARGA

MONUMENT AGI D2
LEA COUNTY, NEW MEXICO
3/21/17

Company Rep.
Tool Specialist

GORDON WHITE
SCOTT WALTON

Office ODESSA
SAP No 903856682

Final Installation						
Installation	Length	Depth	Description	OD	ID	
1	25.00	1.99	KB CORRECTION			
2	0.50	26.99	TUBING HANGER			
3	1 0.62	27.49	3.5" 9.3# J55 8RD DOUBLE PIN ADAPTER	3.500	2.992	
2	28.75	28.11	1 JOINTS 3.5" 9.3# J55 8RD TUBING	3.500	2.670	
3	16.10	56.86	3.5" 9.3# J55 8RD TUBING SUBS(10.05 - 6.05)			
4	220.93	72.96	7 JOINTS 3.5" 9.3# J55 8RD TUBING	3.500	2.670	
4	5 6.04	293.89	3.5" 9.3# J55 8RD TUBING SUB	3.550	2.670	
6	2.30	299.93	X OVER 3.5" 9.3# 8RD BOX X 3.5# 12.7# VAMTOP PIN	4.000	2.750	
7	4.08	302.23	HALLIBURTON TUBING RETRIEVABLE SAFETY VALVE NICKLE ALLOY 925 15,000# PRESSURE RATING 750 PSI CLOSING 781HRE25224 101757100 SN 0003747503-1 3.5" 12.7# VAMTOP B X P 2300 PSI OPENING 2.562 'X' PROFILE IN TOP OF VALVE.	5.610	2.562	
5						
6						
7	8 2.16	306.31	X-OVER 3.5" 12.7# VAMTOP BOX X 3.5" 9.3# 8RD PIN	4.070	2.750	
9	5.97	308.47	3.5" 9.3# J55 8RD TUBING SUB	3.550	2.670	
10	7713.30	314.44	248 JOINTS 3.5" 9.3# J55 8RD TUBING	3.500	2.670	
8	11 2.38	8,027.74	X-OVER 3.5" 9.3# 8RD BOX X 3.5" 9.2# VAMTOP PIN	3.970	2.980	
9	12 244.58	8,030.12	7 JOINTS 3.5" 9.2# VAMTOP SM2550 NICKEL TUBING	3.500	2.992	
13	5.75	8,274.70	3.5" 9.2# VAMTOP BOX X PIN SUB	3.530	2.992	
10	14 4.08	8,280.45	HALLIBURTON ROC GAUGE MANDREL 3.5" VAMTOP BXP 102329817 SN-464192 ROC GAUGE ROC16K175C 101863926 WD#9381-6034 ADDRESS 126 SN-ROC004483	4.670	2.950	
15	0.96	8,284.53	X-OVER SUB 3.5" 9.2# VAMTOP BOX X 2.875" 6.5# VAMTOP PIN	3.930	2.441	
16	6.09	8,285.49	X-OVER SUB 2.875" 6.5# VAMTOP BOX X PIN	2.900	2.441	
17	1.11	8,291.58	2.313" 'X' NIPPLE 2.875" 6.4# VAMTOP BOX X PIN	3.240	2.313	
A			HALLIBURTON SEAL ASSEMBLY			
a-1	1.73	8,292.69	STRAIGHT SLOT LOCATOR 2.875" VAMTOP BOX X 2.875 NU 10 INCOLOY 925 (212S3270-D)(102582273)(SN-0003781099-1)	3.950	2.431	
a-2	1.00	8,294.42	SEAL UNIT 212MSF32500-D 102666617 SN 0003779766-5 2.875" NU 10 RD INCOLOY 925	3.200	2.380	
11	a-3 6.06	8,295.42	3 EXTENSIONS 2.875 NU 10 RD 2.06" EACH NICKEL ALLOY 925 (212X32500-D) (120056337)(SN-0003777400-1)	3.200	2.347	
12	a-4 4.00	8,301.48	4 -SEAL UNITS 3.250" X 2.875" NU 10RD NICKEL ALLOY 925 1 EA- (212MSF32500-D)(102666617)(SN 0003779766-3 3-EA (212MSA3200-D)(102666612)(SN 0003779766-1 0003779766-4 0003779766-2	3.200	2.380	
13			(FLOUREL SEALS SAP# 100014586 AFLAS SEALS SAP# 100006529)			
14	a-5 0.52	8,305.48	MULE SHOE GUIDE 2.875" NU 10RD NICKEL ALLOY 925 (812G32500-D) (10143327)(SN-0003777382-1)	3.200	2.380	
15			LAND HANGER WITH 26,000# COMPRESSION PUTS 20,000# COMPRESSION ON PACKER PICK UP WEIGHT IS 68,000# SLACK OFF IS 64,000#			
16			HALLIBURTON PACKER ASSEMBLY			
17	18 3.99	8,292.69	HALLIBURTON 7" 23-38# BWD PERMANENT PACKER WITH 3.250" BORE, 4" 8UN BOX THREAD, INCOLOY 925 (212BWD7007-D)(101302623)	5.690	3.250	
18			WAS RUN ON W/L AND TOP @ 8292.69' ELEMENTS @ 8294'			
19	19 9.47	8,296.68	SEAL BORE EXTENSION INCOLOY 925 4" 8UN PXP (PN212N11584)(101468460)(SN-0003744131-1)	4.750	3.250	
20	20 0.56	8,306.15	X-OVER 4" 8UN BOX X 2.875" 6.5# 8RD INCOLOY 925 (212N9343)(101159929-A)(SN-0003777396-1)	5.000	2.430	
21	21 8.10	8,306.71	PUP JOINT 2.875" 6.5# EU 8RD INCOLOY 925	2.880	2.380	
22	22 1.21	8,314.81	HALLIBURTON 2.188" 'R' LANDING NIPPLE INCOLOY 925 (811R21807-D) (102362504) (SN- 0003777399-2) NICKEL ALLOY 925	3.670	2.188	
23	23 8.09	8,316.02	PUP JOINT 2.875" 7.9# EU 8RD INCOLOY 925	2.880	2.290	
24	24 1.31	8,324.11	HALLIBURTON 2.125" 'R' LANDING NIPPLE (811R21286) (102667285) (SN- 0003781497-1) NICKEL ALLOY 925	3.940	2.125	
25	25 4.10	8,325.42	PUP JOINT 2.875" 6.5# EU 8RD INCOLOY 925	2.880	2.380	
26	26 0.58	8,329.52	WIRELINE RE-ENTRY GUIDE 2." 9.3# VAM INCOLOY 925	3.950	2.441	
		8,330.10	BOTTOM OF ASSEMBLY			
			EOC @ 8348' TD @ 9210'			
			DIESEL USED FOR PACKER FLUID			

Filename: