HOBBS OCD

JAN 17 2018

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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.	30-025-43470
5. Indicate Type of Lease BLM	STATE ☐ FEE ☒
6. State Oil & Gas Lease No.	NA
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

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 ☒

2. Name of Operator: Targa Midstream Services, LLC

3. Address of Operator: 1000 Louisiana, Houston, TX 77002

4. Well Location Surface
Unit Letter O : 685 feet from the SOUTH line and 2,362 feet from the EAST line
Section 36 Township 19S Range 36E NMPM County Lea

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:		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: ☐		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 October 1 through December 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 Q4 2017. Based on data for surface injection/annular pressure, and the current MIT, the well continues to show excellent integrity. For the fourth quarter 2017, the values for injection parameters are generally stable and yielded the following results which are graphed in detail in attached Figures 1 through 6. The following average values represent the operational condition of the well:

Surface Measurements: Average TAG Injection Pressure: 2048 psig, Average Annular Pressure: 528 psig, Average Pressure Differential: 1534 psig, Average Tag Temperature: 117 °F, Average TAG injection rate: 2.3 MMSCFD.

Downhole Measurements: Average bottom hole pressure 4983 psig, Average bottom hole TAG Temperature: 117° F.

The data gathered throughout the fourth quarter of normal operations in 2017 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 the well has good integrity and is functioning appropriately within the requirements of the NMOCC order. Plant upsets and shutdowns, around 10/19/2017, 10/27/2017, 11/2/2017, and 12/14/2017 caused decreases in injection rates resulting in typical and corresponding changes in the other injection parameters. On 12/4/2017, the annulus pressure increased to around 600 psi, due to a relatively subtle increase in injection temperature over time, at which point it was bleed back down to normal operating pressures. 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. In fact, the average injection rate and pressure decreased during this quarter versus the last (average injection rate: 2.4 MSCFD and injection pressure: 2035 psi), and the average bottom-hole pressure has correspondingly decreased this quarter since the last quarter (average bottom-hole pressure: 4985 psi).

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

SIGNATURE  TITLE Consultant to Targa Midstream Services, LLC DATE 1/17/2017

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):

Accepted for Record Only

MBBrown 1/18/2018

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

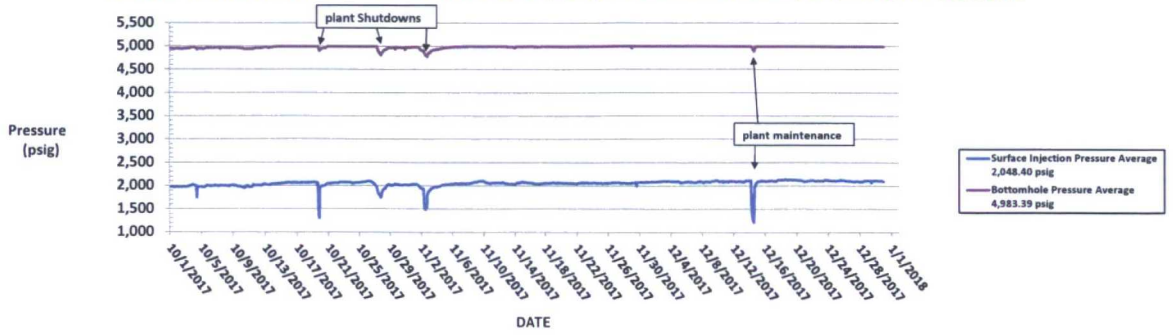


FIGURE 3: MONUMENT AGI D #2 SURFACE INJECTION PRESSURE, ANNULAR PRESSURE AND INJECTION TEMPERATURE

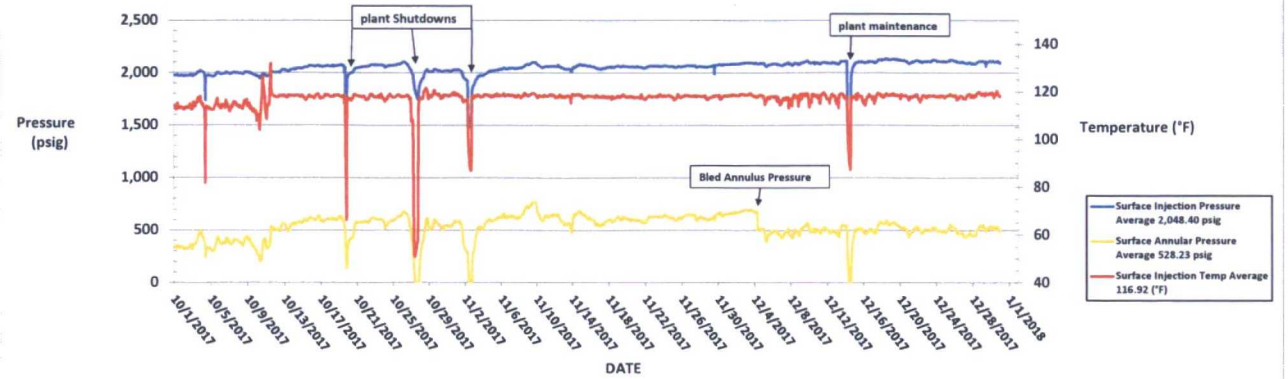


FIGURE 1: MONUMENT AGI D #2 INJECTION RATES WHILE OPERATING

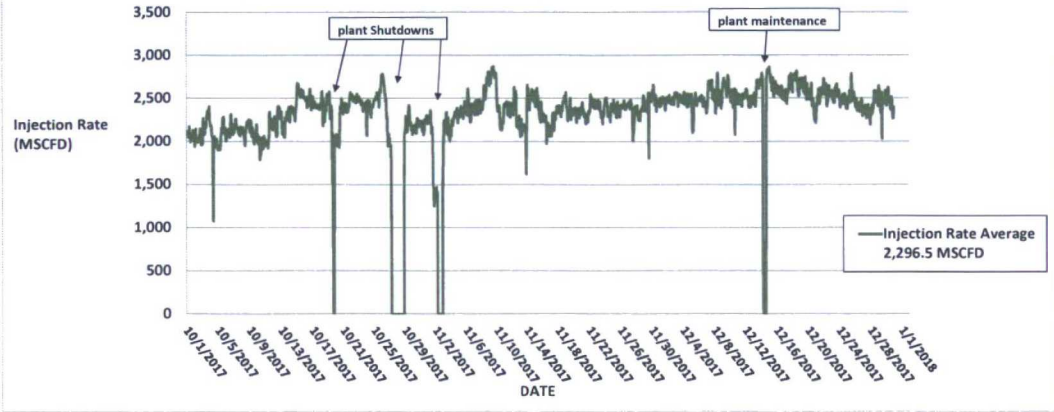
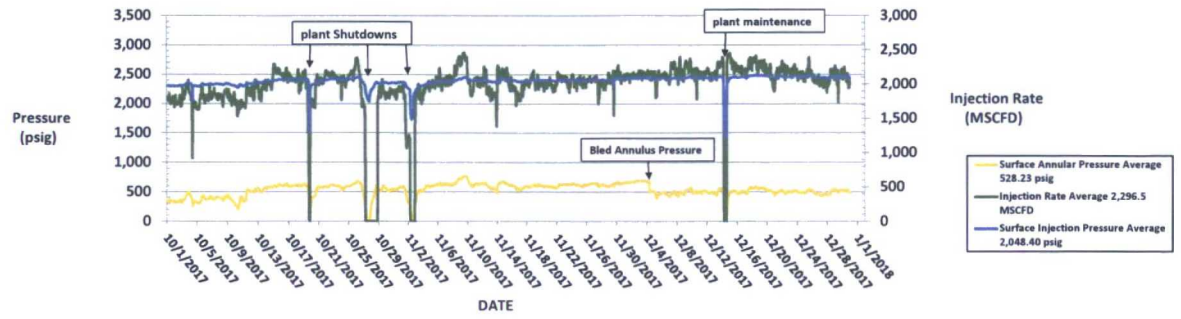


FIGURE 2: MONUMENT AGI D #2 SURFACE INJECTION PRESSURE, ANNULAR PRESSURE AND INJECTION RATE



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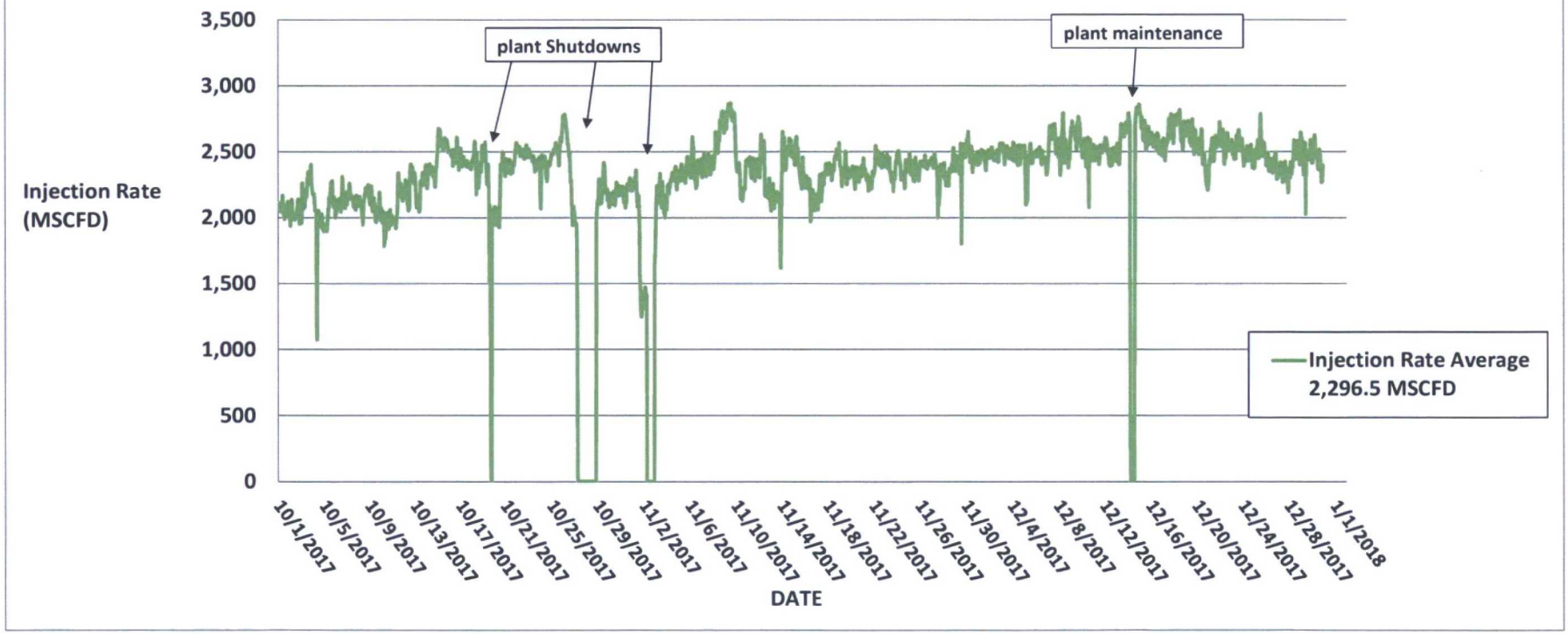

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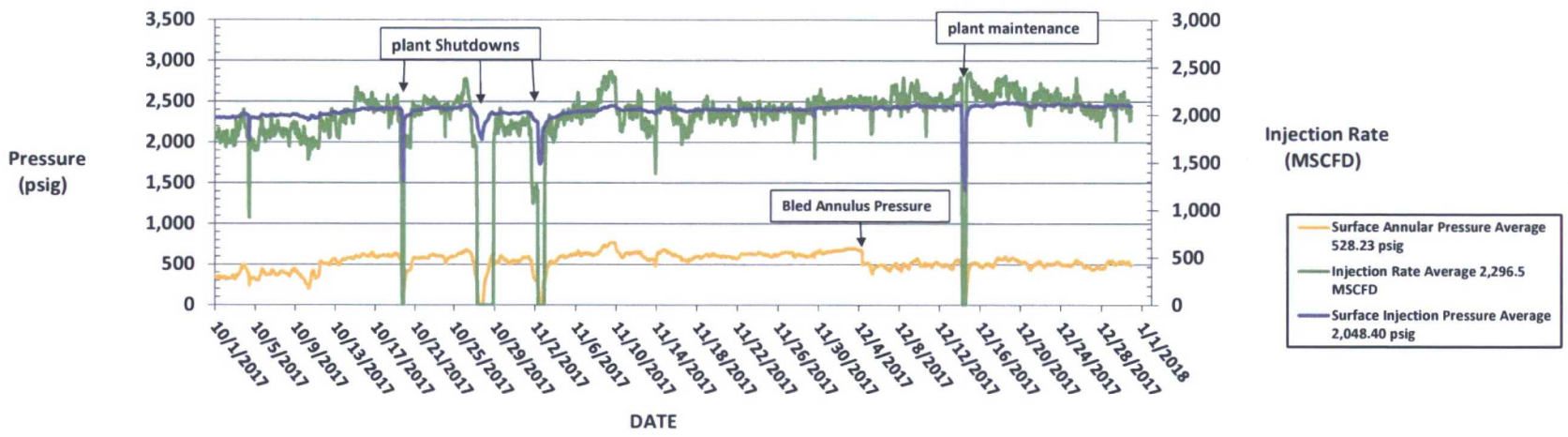


FIGURE 3: MONUMENT AGI D #2 SURFACE INJECTION PRESSURE, ANNULAR PRESSURE AND INJECTION TEMPERATURE

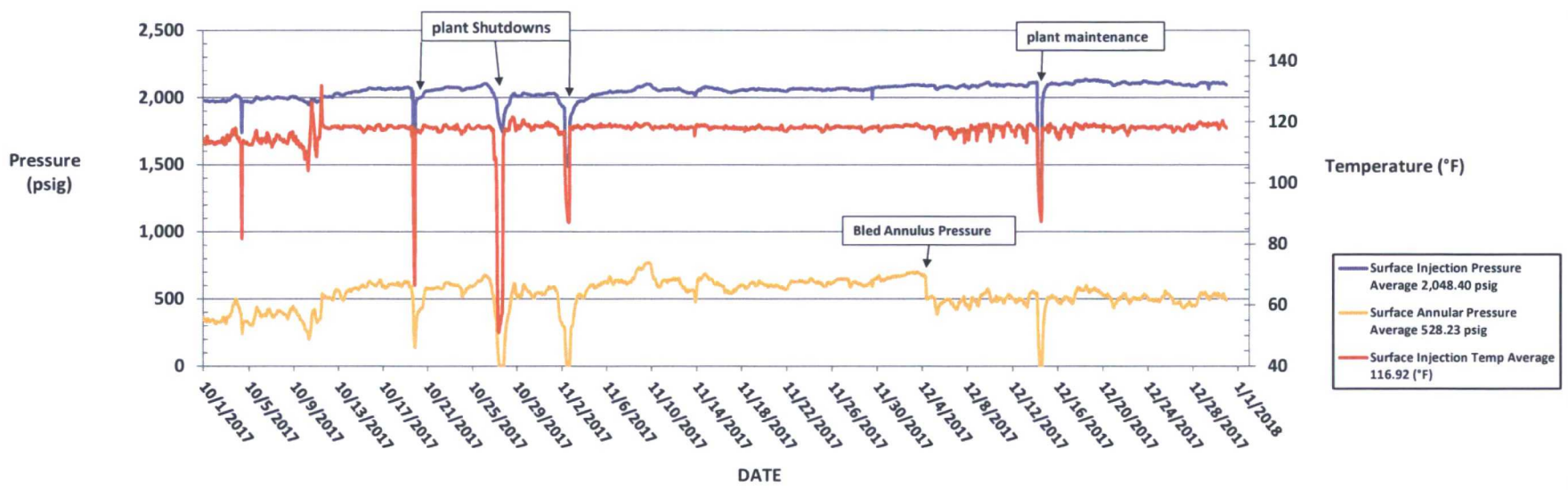


FIGURE 4: MONUMENT AGI D #2 SURFACE INJECTION PRESSURE AND BOTTOM HOLE PRESSURE

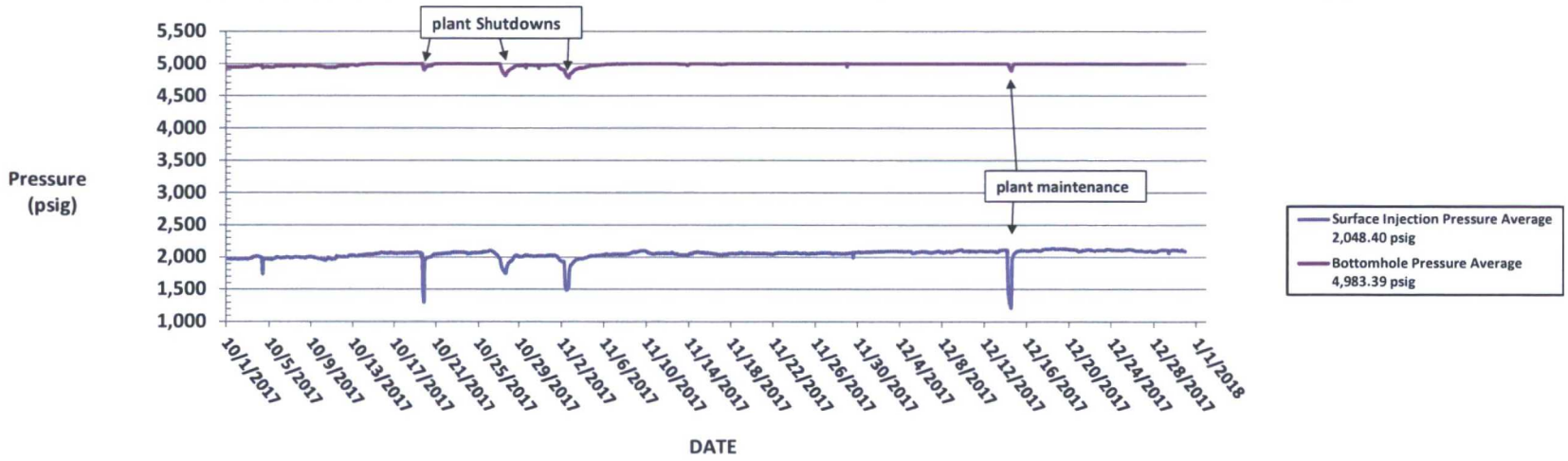


FIGURE 5: MONUMENT AGI D #2 BOTTOM HOLE PRESSURE AND TEMPERATURE

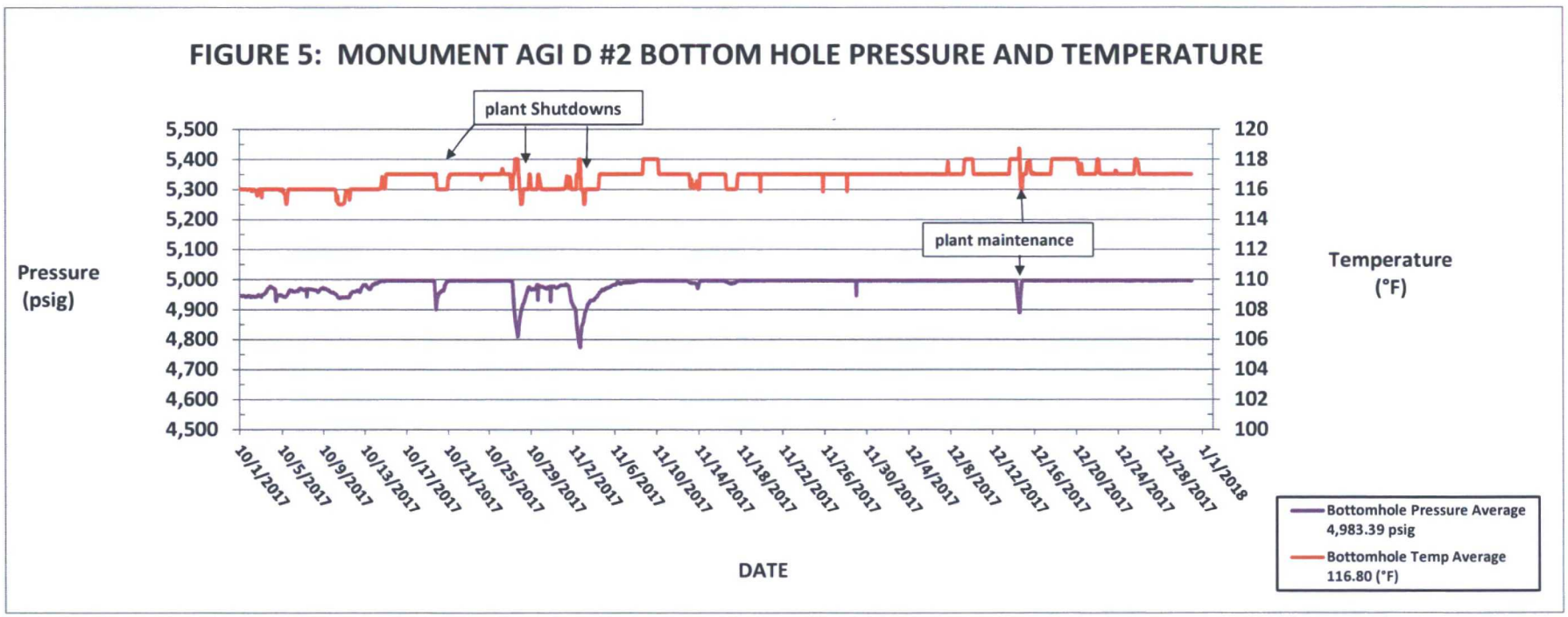
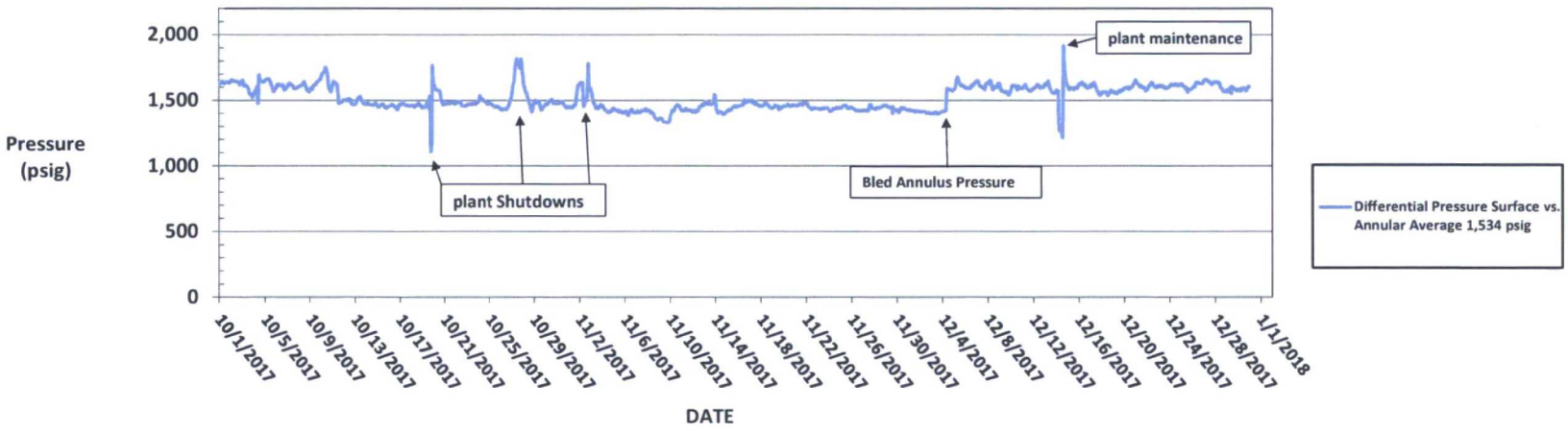


FIGURE 6: MONUMENT AGI D #2 DIFFERENTIAL PRESSURE

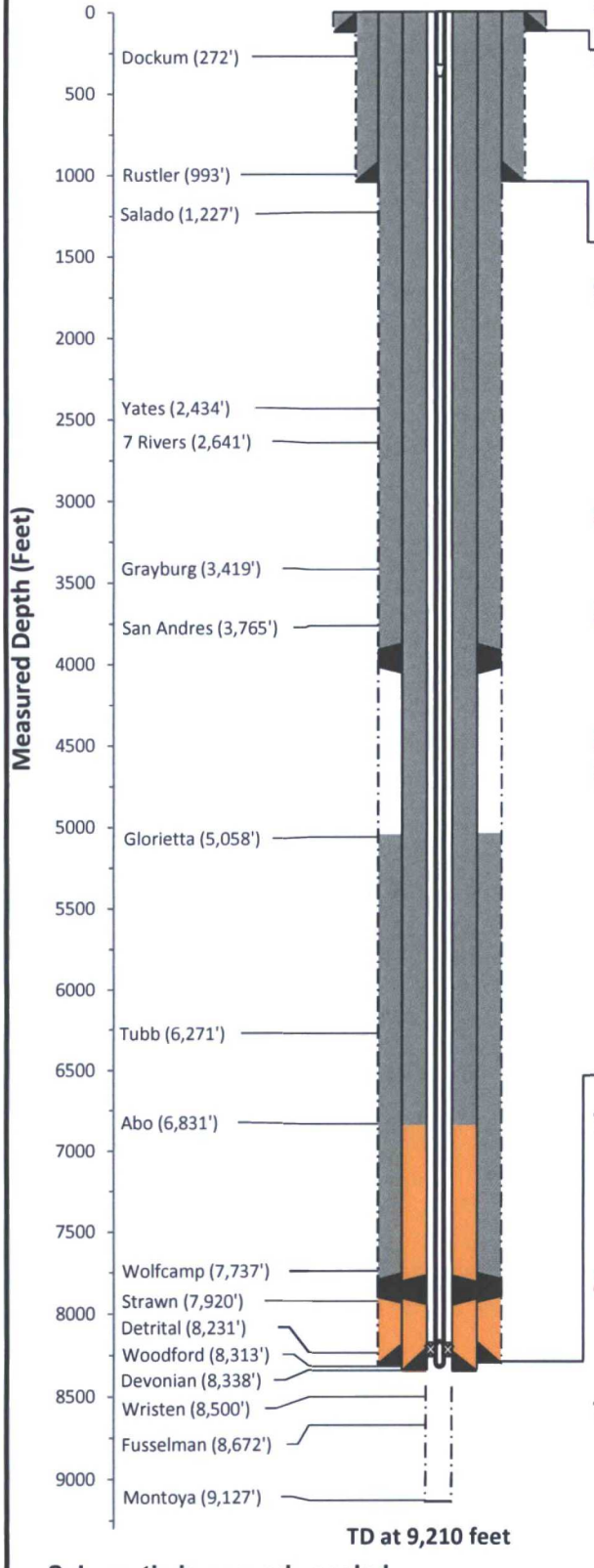


WELL AND TUBING SCHEMATIC

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

Targa Monument AGI D #2 As-Built Well Schematic

Well Name:	Monument AGI D #2	**Footage:**	685' FSL & 2,362' FEL
API:	30-025-43470	**Well Type:**	AGI Devonian
STR:	Sec. 36(O), T19S-R36E	**KB/GL:**	3,609'/3,584'
County, St.:	Lea County, New Mexico	**Lat, Long:**	32.6115308, -103.3063534



Schematic is properly scaled
(Fromation Depths are MD)

20" CONDUCTOR PIPE to 120 ft

13 3/8" SURFACE CASING to 1,040 ft **17.5" OH**
13 3/8", 48 #/ft, H40, STC, cmnt to srfc

SSSV @ 302 ft

9 5/8" INTERMEDIATE CASING to 8,290 ft **12.25" OH**
9 5/8", 40 #/ft, L80, LTC, 4,947 ft.
9 5/8", 47 #/ft, L80, LTC to 8,290 ft.
Cmnt to surface (0 of 3 stages) - No fluid seen after 1st stg
No cmnt to surface after 2nd or 3rd stage.
No cmnt behind 9 5/8-inch casing below DV Tool (3,942')
Stage # 1: Lead 36 bbls WellLock Resin
DV Tool/ECP in 9 5/8" casing @ 7,853 ft.
Stage #2: Lead 264 bbls (425 scks) NeoCem Cmnt
Stage #2: Tail 12 bbls (50 scks) HalCem Class C Cmnt
DV Tool/ECP in 9 5/8" casing @ 3,942 ft.
Stage #3: Lead 440 bbls (1000 scks) EconoCem Cmnt
Stage #3: Lead 1342 bbls (4020 scks) EconoCem Cmnt
Stage #3: Tail 12 bbls (50 scks) HalCem Class C Cmnt
Remedy Squeeze - 9 5/8" Perforated at 1,500
Squeez below retainer at 1,450 ft. Circ. 25 bbls to surface
Lead 1242 bbls (2823 scks) EconoCem Cmnt
Tail 81 bbls (340 scks) HalCem Class C Cmnt

7" PRODUCTION CASING to 8,350 ft **8.5" OH**
7", 29 #/ft, L80, Ultra FJ from 0-8,036 ft
7", 29 #/ft, 38CR, Ultra FJ from 8,036-8,350 ft.
Cmnt to surface (7 bbls-1st stage & 15 bbl-2nd stage)
Stage #1: Lead 22 bbls of WellLock Resin
DV Tool in 7-in casing @ 7,802 ft
Stage #2: Lead 178 bbls (285 scks) NeoCem Cmnt
Stage #2: Tail 69 bbls WellLock Resin

TUBING & EQUIPMENT:
256 jts, 3.5", 9.3 #/ft, J55 8RD to 8,028 ft.
7 jts, 3.5", 9.3 #/ft, VAMTOP, SM2550 Nickel CRA to 8,275 ft.
Halliburton ROC P/T Gauge set @ 8,281 ft.
Halliburton Packer set @ 8,293 ft MD (8,282 TVD)

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

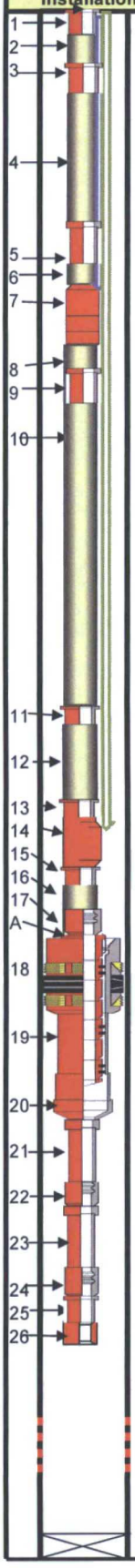
HALLIBURTON ENERGY SERVICES

TARGA

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

Company Rep. GORDON WHITE
Tool Specialist 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	5.610	2.562
				NICKLE ALLOY 925 15,000# PRESSURE RATING 750 PSI CLOSING		
5				781HRE25224 101757100 SN 0003747503-1 3.5" 12.7# VAMTOP B X P		
6				2300 PSI OPENING 2.562 'X' PROFILE IN TOP OF VALVE.		
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 NICKELTUBING	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	4.670	2.950
				102329817 SN-464192		
				ROC GAUGE ROC16K175C 101863926 WD#9381-6034		
				ADDRESS 126 SN-ROC004483		
	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	3.950	2.431
				INCOLOY 925 (212S3270-D)(102582273)(SN-0003781099-1)		
	a-2	1.00	8,294.42	SEAL UNIT 212MSF32500-D 102666617 SN 0003779766-5	3.200	2.380
				2.875" NU 10 RD INCOLOY 925		
11	a-3	6.06	8,295.42	3 EXTENSIONS 2.875 NU 10 RD 2.06' EACHNICKEL ALLOY 925	3.200	2.347
				(212X32500-D) (120056337)(SN-0003777400-1)		
12	a-4	4.00	8,301.48	4 -SEAL UNITS 3.250" X 2.875" NU 10RD NICKEL ALLOY 925	3.200	2.380
				1 EA- (212MSF32500-D)(102666617)(SN 0003779766-3		
13				3-EA (212MSA3200-D)(102666512)(SN 0003779766-1		
14				0003779766-4 0003779766-2		
15	a-5			(FLOUREL SEALS SAP# 100014586 AFLAS SEALS SAP# 100006529)		
16		0.52	8,305.48	MULE SHOE GUIDE 2.875" NU 10RD NICKEL ALLOY 925	3.200	2.380
17				(812G32500-D) (10143327)(SN-0003777382-1)		
A				LAND HANGER WITH 26,000# COMPRESSION		
				PUTS 20,000# COMPRESSION ON PACKER		
18				PICK UP WEIGHT IS 68,000# SLACK OFF IS 64,000#		
				HALLIBURTON PACKER ASSEMBLY		
	18	3.99	8,292.69	HALLIBURTON 7" 23-38# BWD PERMANENT PACKER WITH	5.690	3.250
19				3.250" BORE, 4" 8UN BOX THREAD, INCOLOY 925		
				(212BWD7007-D)(101302623)		
				WAS RUN ON W/L AND TOP @ 8292.69' ELEMENTS @ 8294'		
20	19	9.47	8,296.68	SEAL BORE EXTENSION INCOLOY 925 4" 8UN PXP	4.750	3.250
				(PN212N11584)(101468460)(SN-0003744131-1)		
21	20	0.56	8,306.15	X-OVER 4" 8UN BOX X 2.875" 6.5# 8RD INCOLOY 925	5.000	2.430
				(212N9343)(101159929-A)(SN-0003777396-1)		
22	21	8.10	8,306.71	PUP JOINT 2.875" 6.5# EU 8RD INCOLOY 925	2.880	2.380
	22	1.21	8,314.81	HALLIBURTON 2.188"'R' LANDING NIPPLE INCOLOY 925	3.670	2.188
23				(811R21807-D) (102362504) (SN- 0003777399-2) NICKEL ALLOY 925		
	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	3.940	2.125
25				(811R21286) (102667285) (SN- 0003781497-1) NICKEL ALLOY 925		
26	25	4.10	8,325.42	PUP JOINT 2.875" 6.5# EU 8RD INCOLOY 925	2.880	2.380
	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: