



# Measurement Error Report

**Biogas Meden Ltd**

**MER/CAD/207/21 Meden Vale BNEF**

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## 1 Revision Control

Rev	Issue date	Description	Prep.	App.
1	25/06/2021	Issued for comment	BK	MM
2	17/09/2021	Final	BK	MM

## 2 Executive Summary

<b>Site Name</b>	Meden Vale BNEF
<b>DNO</b>	Cadent Gas Limited
<b>LDZ</b>	East Midlands
<b>Error Start Date</b>	Gas-to-Grid (Reconciliation from 1 <sup>st</sup> April 2018 only)
<b>(Or) Last Good Date</b>	
<b>Error Corrected Date</b>	1 <sup>st</sup> April 2021
<b>Size of Error (over or under read)</b>	17,668 Sm <sup>3</sup> under-registration (approximately 0.19 GWh)
<b>Error Description</b>	Use of incorrect pressure tapping
<b>Methodology</b>	Correction of measured pressure and recalculation of volumes
<b>Meter Type</b>	Rotary Positive Displacement meter
<b>MER Unique Reference Number</b>	-
<b>Cadent Internal Reference</b>	MER/CAD/207/21

## 3 Error Description

Meden Vale BNEF has a single FMG FMR G65 DN50 (2") Rotary Positive Displacement meter (Serial No. R000014362) for measurement of gas exiting the grid entry unit (GEU) and entering the distribution network.

Pressure is measured at the meter to correct the volumetric flow at actual conditions to volumetric flow at Standard conditions. The meter has two integrated pressure tapplings, one upstream and one downstream. The upstream pressure tapping is marked P<sub>m</sub> and is the point which should be used for the pressure measurement. The downstream pressure tapping is included to enable a routine check of the differential pressure across the meter for long-term monitoring of the meter performance.

During installation the pressure transmitter impulse pipework was incorrectly connected to the downstream tapping and this remained in place since. This was identified during a routine audit and corrected at 14:36 on 1<sup>st</sup> April 2021 by reconnecting the pressure transmitter impulse pipework to the upstream pressure tapping, marked P<sub>m</sub>.

This report only considered the reconcilable period from 1<sup>st</sup> April 2018; Data prior to this has not been analysed.

## 4 Methodology

The difference between the pressure upstream and downstream of the meter is also referred to as the pressure loss (across the meter). This is characterised by the manufacturer and varies with flow rate. For the meter model used at Meden Vale BNEF the manufacturer's stated pressure loss ( $\Delta P_{Max}$ ) at the meter maximum flow rate ( $Q_{Max} = 100 \text{ m}^3/\text{h}$ ) is 200 Pa. The stated value applies to atmospheric pressure and a relative density of 0.6. The following formula is used to calculate the pressure loss at other flow rates, pressures and relative densities:

$$\text{Pressure Loss (Pa)} = \Delta P_{Max} \times \left( \frac{RD}{0.6} \times \frac{P_m}{1.01325} \times \frac{Q}{Q_{Max}} \right)$$

Where:

$\Delta P_{Max}$  is the manufacturer's stated pressure loss at the meter maximum flow rate (200 Pa)

$RD$  is the Relative Density

$P_m$  is the absolute pressure at the meter (bar.a)

$Q$  is the flow rate ( $\text{m}^3/\text{h}$ )

$Q_{Max}$  is meter maximum flow rate ( $100 \text{ m}^3/\text{h}$ )

The corrected pressure was calculated as the measured pressure plus the pressure loss. The volume flow was then corrected (on a 4-minutely basis) using the corrected pressure. Two sets of volume totals were calculated, one using the measured pressure and another using the corrected pressure, the error being the difference between the two.

## 5 Error Quantification

The error is estimated to be an overall under-registration of  $17,668 \text{ Sm}^3$ . The error should be corrected using the daily correction factors in Appendix A.

## 6 Learning

An audit should be considered during the commissioning stage of any new measurement system to identify and address such issues before an error is encountered.

## 7 References

Meden Vale Site Data Files (DAT\$####.ST3 and FLO\$####.ST3)

Gemini Daily Volumes

MER\_CAD\_207\_21\_Meden\_Vale\_Data\_2018.xlsx - Calculation Data spreadsheet

MER\_CAD\_207\_21\_Meden\_Vale\_Data\_2019.xlsx - Calculation Data spreadsheet

MER\_CAD\_207\_21\_Meden\_Vale\_Data\_2020.xlsx - Calculation Data spreadsheet

MER\_CAD\_207\_21\_Meden\_Vale\_Data\_2021.xlsx - Calculation Data spreadsheet

MER\_CAD\_207\_21\_Meden\_Vale\_Summary.xlsx - Summary spreadsheet

## 8 Appendix A – Daily Correction Factors

The error should be corrected using the Daily Correction Factors applied to the Gemini Daily Volumes (DVOL) as detailed below.

Gas Day	Gemini DVol	Daily Correction Factor
01-Apr-18	0.01164	1.001486
02-Apr-18	0.01129	1.001476
03-Apr-18	0.01074	1.001512
04-Apr-18	0.01168	1.001500
05-Apr-18	0.01084	1.001513
06-Apr-18	0.01016	1.001567
07-Apr-18	0.01177	1.001510
08-Apr-18	0.01173	1.001505
09-Apr-18	0.01196	1.001530
10-Apr-18	0.01202	1.001539
11-Apr-18	0.01192	1.001526
12-Apr-18	0.01142	1.001463
13-Apr-18	0.01094	1.001404
14-Apr-18	0.01085	1.001398
15-Apr-18	0.00095	1.001402
16-Apr-18	0.00688	1.001558
17-Apr-18	0.01205	1.001553
18-Apr-18	0.01193	1.001539
19-Apr-18	0.01180	1.001530
20-Apr-18	0.01104	1.001535
21-Apr-18	0.01186	1.001534
22-Apr-18	0.01186	1.001539
23-Apr-18	0.01191	1.001538
24-Apr-18	0.01193	1.001540
25-Apr-18	0.01067	1.001378
26-Apr-18	0.00826	1.001313
27-Apr-18	0.01000	1.001302
28-Apr-18	0.00987	1.001307
29-Apr-18	0.00998	1.001295
30-Apr-18	0.01039	1.001332
01-May-18	0.01078	1.001387
02-May-18	0.01089	1.001395
03-May-18	0.01119	1.001440
04-May-18	0.01162	1.001506
05-May-18	0.01185	1.001548
06-May-18	0.00927	1.001547
07-May-18	0.01056	1.001537
08-May-18	0.01148	1.001506

Gas Day	Gemini DVol	Daily Correction Factor
09-May-18	0.01143	1.001531
10-May-18	0.01029	1.001517
11-May-18	0.01161	1.001523
12-May-18	0.01140	1.001503
13-May-18	0.00928	1.001496
14-May-18	0.00984	1.001515
15-May-18	0.01138	1.001487
16-May-18	0.01079	1.001467
17-May-18	0.00674	1.001450
18-May-18	0.01099	1.001493
19-May-18	0.01020	1.001480
20-May-18	0.01061	1.001484
21-May-18	0.01127	1.001479
22-May-18	0.01110	1.001502
23-May-18	0.01143	1.001511
24-May-18	0.01137	1.001513
25-May-18	0.01137	1.001503
26-May-18	0.01133	1.001490
27-May-18	0.01129	1.001484
28-May-18	0.01132	1.001479
29-May-18	0.01128	1.001473
30-May-18	0.01146	1.001510
31-May-18	0.01159	1.001539
01-Jun-18	0.01129	1.001494
02-Jun-18	0.01131	1.001493
03-Jun-18	0.01137	1.001510
04-Jun-18	0.01006	1.001495
05-Jun-18	0.00607	1.001517
06-Jun-18	0.01185	1.001549
07-Jun-18	0.01186	1.001563
08-Jun-18	0.01149	1.001536
09-Jun-18	0.01184	1.001550
10-Jun-18	0.01186	1.001556
11-Jun-18	0.01111	1.001563
12-Jun-18	0.01182	1.001564
13-Jun-18	0.01158	1.001528
14-Jun-18	0.01156	1.001524
15-Jun-18	0.01173	1.001558

Gas Day	Gemini DVol	Daily Correction Factor
16-Jun-18	0.00965	1.001557
17-Jun-18	0.01156	1.001533
18-Jun-18	0.01149	1.001529
19-Jun-18	0.01150	1.001525
20-Jun-18	0.01091	1.001520
21-Jun-18	0.01148	1.001518
22-Jun-18	0.01141	1.001511
23-Jun-18	0.01091	1.001466
24-Jun-18	0.01062	1.001485
25-Jun-18	0.00994	1.001485
26-Jun-18	0.01134	1.001521
27-Jun-18	0.01108	1.001505
28-Jun-18	0.01092	1.001528
29-Jun-18	0.00943	1.001542
30-Jun-18	0.01199	1.001590
01-Jul-18	0.01196	1.001588
02-Jul-18	0.01196	1.001611
03-Jul-18	0.01172	1.001589
04-Jul-18	0.01153	1.001538
05-Jul-18	0.00983	1.001527
06-Jul-18	0.01001	1.001529
07-Jul-18	0.01123	1.001509
08-Jul-18	0.01127	1.001506
09-Jul-18	0.01107	1.001495
10-Jul-18	0.01128	1.001498
11-Jul-18	0.01126	1.001494
12-Jul-18	0.01128	1.001492
13-Jul-18	0.00985	1.001563
14-Jul-18	0.01114	1.001582
15-Jul-18	0.01182	1.001594
16-Jul-18	0.01214	1.001597
17-Jul-18	0.01170	1.001601
18-Jul-18	0.01203	1.001587
19-Jul-18	0.01135	1.001509
20-Jul-18	0.01088	1.001491
21-Jul-18	0.01133	1.001502
22-Jul-18	0.01124	1.001496
23-Jul-18	0.01088	1.001542
24-Jul-18	0.01143	1.001611
25-Jul-18	0.01117	1.001560
26-Jul-18	0.01057	1.001557
27-Jul-18	0.01141	1.001566
28-Jul-18	0.00966	1.001369

Gas Day	Gemini DVol	Daily Correction Factor
29-Jul-18	0.00904	1.001178
30-Jul-18	0.01089	1.001472
31-Jul-18	0.00955	1.001591
01-Aug-18	0.01182	1.001591
02-Aug-18	0.01157	1.001576
03-Aug-18	0.01117	1.001548
04-Aug-18	0.01094	1.001565
05-Aug-18	0.00991	1.001585
06-Aug-18	0.01173	1.001634
07-Aug-18	0.01170	1.001607
08-Aug-18	0.01141	1.001579
09-Aug-18	0.01198	1.001587
10-Aug-18	0.01165	1.001585
11-Aug-18	0.01200	1.001586
12-Aug-18	0.01143	1.001571
13-Aug-18	0.01203	1.001588
14-Aug-18	0.01000	1.001588
15-Aug-18	0.01226	1.001619
16-Aug-18	0.01226	1.001614
17-Aug-18	0.01223	1.001632
18-Aug-18	0.01223	1.001624
19-Aug-18	0.01236	1.001634
20-Aug-18	0.01194	1.001572
21-Aug-18	0.01139	1.001575
22-Aug-18	0.01179	1.001564
23-Aug-18	0.01159	1.001584
24-Aug-18	0.01185	1.001561
25-Aug-18	0.01168	1.001536
26-Aug-18	0.01162	1.001527
27-Aug-18	0.01183	1.001565
28-Aug-18	0.01191	1.001579
29-Aug-18	0.01154	1.001579
30-Aug-18	0.01198	1.001574
31-Aug-18	0.01199	1.001580
01-Sep-18	0.01207	1.001599
02-Sep-18	0.01220	1.001612
03-Sep-18	0.01208	1.001593
04-Sep-18	0.01190	1.001550
05-Sep-18	0.01185	1.001547
06-Sep-18	0.01179	1.001543
07-Sep-18	0.01186	1.001545
08-Sep-18	0.01177	1.001535
09-Sep-18	0.01172	1.001527

Gas Day	Gemini DVol	Daily Correction Factor
10-Sep-18	0.01171	1.001533
11-Sep-18	0.01187	1.001547
12-Sep-18	0.01183	1.001543
13-Sep-18	0.01144	1.001555
14-Sep-18	0.01190	1.001553
15-Sep-18	0.01185	1.001558
16-Sep-18	0.00238	1.001539
17-Sep-18	0.00954	1.001618
18-Sep-18	0.01217	1.001588
19-Sep-18	0.01215	1.001581
20-Sep-18	0.01178	1.001533
21-Sep-18	0.01186	1.001537
22-Sep-18	0.01186	1.001538
23-Sep-18	0.00995	1.001511
24-Sep-18	0.01173	1.001530
25-Sep-18	0.01183	1.001541
26-Sep-18	0.00823	1.001598
27-Sep-18	0.01135	1.001581
28-Sep-18	0.01182	1.001540
29-Sep-18	0.01179	1.001532
30-Sep-18	0.01169	1.001517
01-Oct-18	0.01188	1.001540
02-Oct-18	0.01194	1.001551
03-Oct-18	0.01190	1.001545
04-Oct-18	0.01189	1.001549
05-Oct-18	0.01185	1.001537
06-Oct-18	0.01185	1.001538
07-Oct-18	0.01185	1.001534
08-Oct-18	0.01133	1.001546
09-Oct-18	0.01181	1.001528
10-Oct-18	0.01145	1.001545
11-Oct-18	0.01129	1.001548
12-Oct-18	0.01130	1.001525
13-Oct-18	0.01150	1.001511
14-Oct-18	0.01137	1.001537
15-Oct-18	0.01185	1.001546
16-Oct-18	0.01178	1.001539
17-Oct-18	0.01189	1.001555
18-Oct-18	0.01209	1.001569
19-Oct-18	0.01136	1.001556
20-Oct-18	0.01182	1.001541
21-Oct-18	0.01147	1.001554
22-Oct-18	0.01175	1.001585

Gas Day	Gemini DVol	Daily Correction Factor
23-Oct-18	0.01210	1.001575
24-Oct-18	0.01159	1.001571
25-Oct-18	0.01164	1.001546
26-Oct-18	0.01157	1.001540
27-Oct-18	0.01231	1.001537
28-Oct-18	0.01180	1.001533
29-Oct-18	0.01144	1.001527
30-Oct-18	0.01169	1.001520
31-Oct-18	0.01155	1.001549
01-Nov-18	0.01186	1.001532
02-Nov-18	0.01176	1.001512
03-Nov-18	0.01180	1.001520
04-Nov-18	0.01166	1.001503
05-Nov-18	0.01234	1.001606
06-Nov-18	0.01119	1.001569
07-Nov-18	0.01187	1.001533
08-Nov-18	0.01194	1.001542
09-Nov-18	0.01191	1.001539
10-Nov-18	0.01134	1.001547
11-Nov-18	0.01190	1.001544
12-Nov-18	0.01195	1.001547
13-Nov-18	0.01213	1.001571
14-Nov-18	0.01193	1.001543
15-Nov-18	0.01185	1.001537
16-Nov-18	0.01118	1.001575
17-Nov-18	0.01189	1.001538
18-Nov-18	0.01140	1.001532
19-Nov-18	0.01201	1.001557
20-Nov-18	0.01197	1.001549
21-Nov-18	0.01191	1.001554
22-Nov-18	0.01201	1.001555
23-Nov-18	0.01170	1.001513
24-Nov-18	0.01161	1.001500
25-Nov-18	0.00979	1.001526
26-Nov-18	0.01191	1.001546
27-Nov-18	0.01172	1.001519
28-Nov-18	0.01173	1.001519
29-Nov-18	0.01153	1.001496
30-Nov-18	0.01157	1.001493
01-Dec-18	0.01154	1.001490
02-Dec-18	0.01149	1.001483
03-Dec-18	0.01101	1.001498
04-Dec-18	0.01176	1.001510

Gas Day	Gemini DVol	Daily Correction Factor
05-Dec-18	0.01149	1.001487
06-Dec-18	0.01071	1.001487
07-Dec-18	0.01167	1.001506
08-Dec-18	0.01153	1.001493
09-Dec-18	0.01161	1.001505
10-Dec-18	0.01169	1.001510
11-Dec-18	0.01170	1.001505
12-Dec-18	0.01152	1.001522
13-Dec-18	0.01041	1.001524
14-Dec-18	0.01199	1.001544
15-Dec-18	0.01189	1.001525
16-Dec-18	0.01197	1.001547
17-Dec-18	0.01203	1.001553
18-Dec-18	0.01197	1.001552
19-Dec-18	0.01027	1.001572
20-Dec-18	0.00267	1.001555
21-Dec-18	0.00000	1.000000
22-Dec-18	0.00571	1.001563
23-Dec-18	0.01198	1.001532
24-Dec-18	0.01207	1.001549
25-Dec-18	0.01123	1.001451
26-Dec-18	0.00947	1.001289
27-Dec-18	0.01002	1.001283
28-Dec-18	0.01034	1.001332
29-Dec-18	0.01090	1.001396
30-Dec-18	0.01092	1.001395
31-Dec-18	0.01112	1.001448
01-Jan-19	0.01144	1.001453
02-Jan-19	0.01069	1.001524
03-Jan-19	0.01173	1.001483
04-Jan-19	0.01163	1.001474
05-Jan-19	0.01158	1.001468
06-Jan-19	0.01148	1.001457
07-Jan-19	0.01151	1.001465
08-Jan-19	0.01154	1.001477
09-Jan-19	0.01028	1.001309
10-Jan-19	0.00994	1.001275
11-Jan-19	0.01130	1.001449
12-Jan-19	0.01174	1.001503
13-Jan-19	0.01190	1.001522
14-Jan-19	0.01212	1.001551
15-Jan-19	0.01206	1.001545
16-Jan-19	0.01204	1.001544

Gas Day	Gemini DVol	Daily Correction Factor
17-Jan-19	0.01213	1.001554
18-Jan-19	0.01182	1.001533
19-Jan-19	0.01153	1.001541
20-Jan-19	0.01212	1.001544
21-Jan-19	0.01209	1.001539
22-Jan-19	0.01209	1.001535
23-Jan-19	0.01201	1.001527
24-Jan-19	0.01171	1.001492
25-Jan-19	0.01160	1.001482
26-Jan-19	0.01132	1.001439
27-Jan-19	0.01153	1.001461
28-Jan-19	0.01171	1.001492
29-Jan-19	0.01180	1.001506
30-Jan-19	0.01161	1.001476
31-Jan-19	0.00826	1.001507
01-Feb-19	0.01019	1.001544
02-Feb-19	0.00760	1.001583
03-Feb-19	0.00884	1.001597
04-Feb-19	0.01012	1.001604
05-Feb-19	0.01191	1.001531
06-Feb-19	0.01178	1.001517
07-Feb-19	0.01183	1.001521
08-Feb-19	0.01161	1.001489
09-Feb-19	0.01165	1.001492
10-Feb-19	0.01141	1.001511
11-Feb-19	0.01086	1.001500
12-Feb-19	0.01212	1.001541
13-Feb-19	0.01203	1.001540
14-Feb-19	0.01198	1.001543
15-Feb-19	0.01181	1.001531
16-Feb-19	0.01181	1.001524
17-Feb-19	0.01057	1.001550
18-Feb-19	0.00815	1.001559
19-Feb-19	0.00626	1.001494
20-Feb-19	0.00660	1.001481
21-Feb-19	0.00781	1.001530
22-Feb-19	0.00775	1.001328
23-Feb-19	0.00984	1.001226
24-Feb-19	0.01044	1.001236
25-Feb-19	0.01128	1.001501
26-Feb-19	0.01160	1.001540
27-Feb-19	0.01201	1.001537
28-Feb-19	0.01184	1.001512



Gas Day	Gemini DVol	Daily Correction Factor
01-Mar-19	0.01167	1.001513
02-Mar-19	0.01163	1.001491
03-Mar-19	0.01153	1.001477
04-Mar-19	0.01142	1.001479
05-Mar-19	0.00971	1.001312
06-Mar-19	0.00971	1.001235
07-Mar-19	0.00972	1.001232
08-Mar-19	0.01039	1.001330
09-Mar-19	0.01141	1.001466
10-Mar-19	0.01175	1.001512
11-Mar-19	0.01195	1.001531
12-Mar-19	0.01181	1.001514
13-Mar-19	0.01180	1.001517
14-Mar-19	0.01179	1.001521
15-Mar-19	0.01181	1.001524
16-Mar-19	0.01146	1.001527
17-Mar-19	0.01185	1.001524
18-Mar-19	0.01196	1.001543
19-Mar-19	0.01117	1.001550
20-Mar-19	0.01165	1.001559
21-Mar-19	0.01179	1.001527
22-Mar-19	0.01029	1.001333
23-Mar-19	0.01001	1.001289
24-Mar-19	0.01005	1.001292
25-Mar-19	0.01018	1.001331
26-Mar-19	0.00991	1.001352
27-Mar-19	0.00000	1.000000
28-Mar-19	0.00000	1.000000
29-Mar-19	0.00544	1.001482
30-Mar-19	0.01147	1.001554
31-Mar-19	0.01187	1.001536
01-Apr-19	0.01184	1.001538
02-Apr-19	0.01185	1.001553
03-Apr-19	0.01207	1.001566
04-Apr-19	0.01213	1.001577
05-Apr-19	0.01213	1.001577
06-Apr-19	0.01177	1.001565
07-Apr-19	0.01199	1.001540
08-Apr-19	0.01197	1.001535
09-Apr-19	0.01211	1.001550
10-Apr-19	0.01030	1.001318
11-Apr-19	0.00767	1.001273
12-Apr-19	0.00974	1.001309

Gas Day	Gemini DVol	Daily Correction Factor
13-Apr-19	0.01053	1.001394
14-Apr-19	0.01108	1.001413
15-Apr-19	0.01098	1.001404
16-Apr-19	0.01106	1.001418
17-Apr-19	0.01139	1.001467
18-Apr-19	0.01076	1.001540
19-Apr-19	0.01117	1.001434
20-Apr-19	0.01167	1.001507
21-Apr-19	0.01185	1.001533
22-Apr-19	0.01092	1.001406
23-Apr-19	0.00843	1.001495
24-Apr-19	0.00964	1.001400
25-Apr-19	0.01030	1.001316
26-Apr-19	0.01103	1.001498
27-Apr-19	0.01017	1.001514
28-Apr-19	0.00771	1.001534
29-Apr-19	0.00771	1.001487
30-Apr-19	0.00805	1.001501
01-May-19	0.00751	1.001529
02-May-19	0.01113	1.001476
03-May-19	0.01172	1.001455
04-May-19	0.01235	1.001532
05-May-19	0.01172	1.001488
06-May-19	0.01224	1.001508
07-May-19	0.01241	1.001531
08-May-19	0.01146	1.001579
09-May-19	0.01232	1.001520
10-May-19	0.01209	1.001489
11-May-19	0.01182	1.001451
12-May-19	0.01166	1.001437
13-May-19	0.01179	1.001452
14-May-19	0.01185	1.001462
15-May-19	0.01193	1.001469
16-May-19	0.01197	1.001473
17-May-19	0.01199	1.001482
18-May-19	0.01197	1.001472
19-May-19	0.01179	1.001451
20-May-19	0.01221	1.001504
21-May-19	0.01175	1.001540
22-May-19	0.01192	1.001537
23-May-19	0.01225	1.001518
24-May-19	0.01235	1.001533
25-May-19	0.01213	1.001531

Gas Day	Gemini DVol	Daily Correction Factor
26-May-19	0.01245	1.001547
27-May-19	0.01240	1.001544
28-May-19	0.01240	1.001541
29-May-19	0.01249	1.001556
30-May-19	0.01249	1.001557
31-May-19	0.01238	1.001541
01-Jun-19	0.01236	1.001543
02-Jun-19	0.01246	1.001557
03-Jun-19	0.01210	1.001496
04-Jun-19	0.01207	1.001501
05-Jun-19	0.01222	1.001556
06-Jun-19	0.01252	1.001558
07-Jun-19	0.01241	1.001541
08-Jun-19	0.01248	1.001554
09-Jun-19	0.01190	1.001524
10-Jun-19	0.01240	1.001549
11-Jun-19	0.01221	1.001524
12-Jun-19	0.01198	1.001489
13-Jun-19	0.01210	1.001505
14-Jun-19	0.01136	1.001557
15-Jun-19	0.01228	1.001527
16-Jun-19	0.01198	1.001567
17-Jun-19	0.01249	1.001570
18-Jun-19	0.01237	1.001543
19-Jun-19	0.01231	1.001538
20-Jun-19	0.01230	1.001539
21-Jun-19	0.01220	1.001541
22-Jun-19	0.01230	1.001546
23-Jun-19	0.01237	1.001558
24-Jun-19	0.01235	1.001562
25-Jun-19	0.01236	1.001559
26-Jun-19	0.01156	1.001525
27-Jun-19	0.01194	1.001510
28-Jun-19	0.01068	1.001507
29-Jun-19	0.01106	1.001492
30-Jun-19	0.01225	1.001519
01-Jul-19	0.01237	1.001531
02-Jul-19	0.01250	1.001564
03-Jul-19	0.01225	1.001532
04-Jul-19	0.01232	1.001568
05-Jul-19	0.01227	1.001542
06-Jul-19	0.01219	1.001526
07-Jul-19	0.01208	1.001516

Gas Day	Gemini DVol	Daily Correction Factor
08-Jul-19	0.01222	1.001554
09-Jul-19	0.00927	1.001538
10-Jul-19	0.01162	1.001546
11-Jul-19	0.01215	1.001526
12-Jul-19	0.01206	1.001498
13-Jul-19	0.01198	1.001490
14-Jul-19	0.01150	1.001445
15-Jul-19	0.01151	1.001449
16-Jul-19	0.01140	1.001428
17-Jul-19	0.01154	1.001441
18-Jul-19	0.01170	1.001453
19-Jul-19	0.01197	1.001491
20-Jul-19	0.01212	1.001511
21-Jul-19	0.01229	1.001523
22-Jul-19	0.01143	1.001433
23-Jul-19	0.01180	1.001475
24-Jul-19	0.01201	1.001505
25-Jul-19	0.00979	1.001544
26-Jul-19	0.01231	1.001544
27-Jul-19	0.01193	1.001550
28-Jul-19	0.01229	1.001531
29-Jul-19	0.01218	1.001520
30-Jul-19	0.01215	1.001517
31-Jul-19	0.01084	1.001375
01-Aug-19	0.00814	1.001379
02-Aug-19	0.01030	1.001294
03-Aug-19	0.01018	1.001271
04-Aug-19	0.00998	1.001284
05-Aug-19	0.00943	1.001179
06-Aug-19	0.00927	1.001170
07-Aug-19	0.00984	1.001214
08-Aug-19	0.01028	1.001290
09-Aug-19	0.01056	1.001321
10-Aug-19	0.01041	1.001304
11-Aug-19	0.01019	1.001287
12-Aug-19	0.01047	1.001311
13-Aug-19	0.01088	1.001354
14-Aug-19	0.01113	1.001399
15-Aug-19	0.01016	1.001264
16-Aug-19	0.01005	1.001252
17-Aug-19	0.01004	1.001249
18-Aug-19	0.01002	1.001258
19-Aug-19	0.01026	1.001297

Gas Day	Gemini DVol	Daily Correction Factor
20-Aug-19	0.01061	1.001341
21-Aug-19	0.01126	1.001421
22-Aug-19	0.01171	1.001475
23-Aug-19	0.01216	1.001531
24-Aug-19	0.01224	1.001536
25-Aug-19	0.00957	1.001544
26-Aug-19	0.01227	1.001557
27-Aug-19	0.01195	1.001515
28-Aug-19	0.01136	1.001448
29-Aug-19	0.01035	1.001486
30-Aug-19	0.01139	1.001470
31-Aug-19	0.01143	1.001456
01-Sep-19	0.01142	1.001450
02-Sep-19	0.01163	1.001470
03-Sep-19	0.01175	1.001486
04-Sep-19	0.01149	1.001497
05-Sep-19	0.01167	1.001489
06-Sep-19	0.01115	1.001413
07-Sep-19	0.00938	1.001392
08-Sep-19	0.00870	1.001360
09-Sep-19	0.01058	1.001333
10-Sep-19	0.01050	1.001317
11-Sep-19	0.01065	1.001343
12-Sep-19	0.01016	1.001285
13-Sep-19	0.00993	1.001249
14-Sep-19	0.00899	1.001249
15-Sep-19	0.00984	1.001241
16-Sep-19	0.00928	1.001254
17-Sep-19	0.00992	1.001250
18-Sep-19	0.00868	1.001299
19-Sep-19	0.00629	1.001265
20-Sep-19	0.00954	1.001247
21-Sep-19	0.00965	1.001237
22-Sep-19	0.00859	1.001236
23-Sep-19	0.00872	1.001228
24-Sep-19	0.00096	1.001230
25-Sep-19	0.00743	1.001267
26-Sep-19	0.00930	1.001249
27-Sep-19	0.00964	1.001227
28-Sep-19	0.00675	1.001232
29-Sep-19	0.00945	1.001187
30-Sep-19	0.00729	1.001073
01-Oct-19	0.00765	1.000938

Gas Day	Gemini DVol	Daily Correction Factor
02-Oct-19	0.00601	1.000853
03-Oct-19	0.00593	1.000725
04-Oct-19	0.00690	1.000921
05-Oct-19	0.00781	1.001151
06-Oct-19	0.00957	1.001194
07-Oct-19	0.00900	1.001193
08-Oct-19	0.00949	1.001175
09-Oct-19	0.00964	1.001195
10-Oct-19	0.00954	1.001179
11-Oct-19	0.00950	1.001181
12-Oct-19	0.01002	1.001245
13-Oct-19	0.01121	1.001381
14-Oct-19	0.01146	1.001415
15-Oct-19	0.01138	1.001410
16-Oct-19	0.01117	1.001380
17-Oct-19	0.01101	1.001358
18-Oct-19	0.01136	1.001398
19-Oct-19	0.01176	1.001442
20-Oct-19	0.01190	1.001469
21-Oct-19	0.01221	1.001513
22-Oct-19	0.01232	1.001531
23-Oct-19	0.01216	1.001518
24-Oct-19	0.01168	1.001512
25-Oct-19	0.01210	1.001533
26-Oct-19	0.01275	1.001528
27-Oct-19	0.01275	1.001509
28-Oct-19	0.01176	1.001520
29-Oct-19	0.01175	1.001483
30-Oct-19	0.01177	1.001468
31-Oct-19	0.01161	1.001440
01-Nov-19	0.01132	1.001416
02-Nov-19	0.01134	1.001402
03-Nov-19	0.01151	1.001430
04-Nov-19	0.00804	1.001415
05-Nov-19	0.01184	1.001452
06-Nov-19	0.01190	1.001454
07-Nov-19	0.01157	1.001465
08-Nov-19	0.01016	1.001252
09-Nov-19	0.00852	1.001235
10-Nov-19	0.01037	1.001443
11-Nov-19	0.01194	1.001448
12-Nov-19	0.01191	1.001439
13-Nov-19	0.01197	1.001445

Gas Day	Gemini DVol	Daily Correction Factor
14-Nov-19	0.01210	1.001458
15-Nov-19	0.01208	1.001460
16-Nov-19	0.01204	1.001459
17-Nov-19	0.01209	1.001461
18-Nov-19	0.01203	1.001481
19-Nov-19	0.01208	1.001498
20-Nov-19	0.01186	1.001490
21-Nov-19	0.01210	1.001464
22-Nov-19	0.01202	1.001454
23-Nov-19	0.01193	1.001440
24-Nov-19	0.01205	1.001472
25-Nov-19	0.00954	1.001527
26-Nov-19	0.01165	1.001478
27-Nov-19	0.01187	1.001448
28-Nov-19	0.01213	1.001486
29-Nov-19	0.01238	1.001517
30-Nov-19	0.01198	1.001525
01-Dec-19	0.00883	1.001463
02-Dec-19	0.01205	1.001466
03-Dec-19	0.01164	1.001482
04-Dec-19	0.01209	1.001481
05-Dec-19	0.01121	1.001381
06-Dec-19	0.01079	1.001309
07-Dec-19	0.01104	1.001339
08-Dec-19	0.01169	1.001416
09-Dec-19	0.01229	1.001491
10-Dec-19	0.01207	1.001468
11-Dec-19	0.01205	1.001460
12-Dec-19	0.00846	1.001441
13-Dec-19	0.00632	1.001236
14-Dec-19	0.00995	1.001209
15-Dec-19	0.00989	1.001199
16-Dec-19	0.00824	1.001223
17-Dec-19	0.00996	1.001219
18-Dec-19	0.01029	1.001252
19-Dec-19	0.01022	1.001253
20-Dec-19	0.01021	1.001239
21-Dec-19	0.01012	1.001229
22-Dec-19	0.01021	1.001237
23-Dec-19	0.01032	1.001241
24-Dec-19	0.01035	1.001247
25-Dec-19	0.01015	1.001231
26-Dec-19	0.00749	1.001254

Gas Day	Gemini DVol	Daily Correction Factor
27-Dec-19	0.00978	1.001240
28-Dec-19	0.01005	1.001223
29-Dec-19	0.01000	1.001231
30-Dec-19	0.00871	1.001234
31-Dec-19	0.01006	1.001236
01-Jan-20	0.00905	1.001234
02-Jan-20	0.00821	1.001200
03-Jan-20	0.00989	1.001199
04-Jan-20	0.00992	1.001204
05-Jan-20	0.00994	1.001225
06-Jan-20	0.01030	1.001261
07-Jan-20	0.01044	1.001275
08-Jan-20	0.01044	1.001269
09-Jan-20	0.01027	1.001246
10-Jan-20	0.00981	1.001403
11-Jan-20	0.01106	1.001348
12-Jan-20	0.01125	1.001377
13-Jan-20	0.01150	1.001413
14-Jan-20	0.01049	1.001482
15-Jan-20	0.01212	1.001481
16-Jan-20	0.00862	1.001525
17-Jan-20	0.01106	1.001511
18-Jan-20	0.01170	1.001485
19-Jan-20	0.01137	1.001412
20-Jan-20	0.01156	1.001413
21-Jan-20	0.01115	1.001402
22-Jan-20	0.00976	1.001416
23-Jan-20	0.01062	1.001300
24-Jan-20	0.01021	1.001239
25-Jan-20	0.01090	1.001324
26-Jan-20	0.01147	1.001406
27-Jan-20	0.01154	1.001420
28-Jan-20	0.01102	1.001396
29-Jan-20	0.00792	1.001384
30-Jan-20	0.01136	1.001427
31-Jan-20	0.01179	1.001433
01-Feb-20	0.01195	1.001441
02-Feb-20	0.01178	1.001417
03-Feb-20	0.01181	1.001436
04-Feb-20	0.01205	1.001460
05-Feb-20	0.01159	1.001439
06-Feb-20	0.01025	1.001364
07-Feb-20	0.01097	1.001377

Gas Day	Gemini DVol	Daily Correction Factor
08-Feb-20	0.01183	1.001443
09-Feb-20	0.01104	1.001449
10-Feb-20	0.01196	1.001476
11-Feb-20	0.01099	1.001407
12-Feb-20	0.00986	1.001334
13-Feb-20	0.01013	1.001362
14-Feb-20	0.01104	1.001357
15-Feb-20	0.01119	1.001368
16-Feb-20	0.01176	1.001440
17-Feb-20	0.01189	1.001454
18-Feb-20	0.01188	1.001457
19-Feb-20	0.00869	1.001466
20-Feb-20	0.01036	1.001494
21-Feb-20	0.01176	1.001446
22-Feb-20	0.01212	1.001486
23-Feb-20	0.01219	1.001533
24-Feb-20	0.01063	1.001529
25-Feb-20	0.00980	1.001485
26-Feb-20	0.01180	1.001448
27-Feb-20	0.01196	1.001463
28-Feb-20	0.01166	1.001455
29-Feb-20	0.01170	1.001414
01-Mar-20	0.01187	1.001435
02-Mar-20	0.01018	1.001440
03-Mar-20	0.01194	1.001432
04-Mar-20	0.01233	1.001480
05-Mar-20	0.01236	1.001481
06-Mar-20	0.01173	1.001496
07-Mar-20	0.01160	1.001394
08-Mar-20	0.00154	1.001436
09-Mar-20	0.00038	1.001168
10-Mar-20	0.00965	1.001348
11-Mar-20	0.00787	1.001377
12-Mar-20	0.01127	1.001366
13-Mar-20	0.01122	1.001361
14-Mar-20	0.01077	1.001346
15-Mar-20	0.01166	1.001425
16-Mar-20	0.01122	1.001380
17-Mar-20	0.01123	1.001365
18-Mar-20	0.01069	1.001301
19-Mar-20	0.01071	1.001304
20-Mar-20	0.01124	1.001375
21-Mar-20	0.01206	1.001455

Gas Day	Gemini DVol	Daily Correction Factor
22-Mar-20	0.01158	1.001476
23-Mar-20	0.01223	1.001481
24-Mar-20	0.01140	1.001440
25-Mar-20	0.01142	1.001475
26-Mar-20	0.01124	1.001513
27-Mar-20	0.01204	1.001471
28-Mar-20	0.01061	1.001349
29-Mar-20	0.01062	1.001303
30-Mar-20	0.01067	1.001295
31-Mar-20	0.01076	1.001314
01-Apr-20	0.01108	1.001350
02-Apr-20	0.01112	1.001355
03-Apr-20	0.01001	1.001386
04-Apr-20	0.00986	1.001347
05-Apr-20	0.01057	1.001314
06-Apr-20	0.01144	1.001404
07-Apr-20	0.01147	1.001404
08-Apr-20	0.01103	1.001386
09-Apr-20	0.01179	1.001447
10-Apr-20	0.01196	1.001458
11-Apr-20	0.01154	1.001457
12-Apr-20	0.01225	1.001505
13-Apr-20	0.01186	1.001483
14-Apr-20	0.01197	1.001460
15-Apr-20	0.01186	1.001444
16-Apr-20	0.01179	1.001433
17-Apr-20	0.01173	1.001429
18-Apr-20	0.01180	1.001444
19-Apr-20	0.01147	1.001479
20-Apr-20	0.01179	1.001480
21-Apr-20	0.00986	1.001467
22-Apr-20	0.00196	1.001441
23-Apr-20	0.00698	1.001466
24-Apr-20	0.00915	1.001418
25-Apr-20	0.01049	1.001404
26-Apr-20	0.00792	1.001452
27-Apr-20	0.00915	1.001475
28-Apr-20	0.01085	1.001459
29-Apr-20	0.00922	1.001450
30-Apr-20	0.00945	1.001486
01-May-20	0.00920	1.001499
02-May-20	0.01135	1.001421
03-May-20	0.01053	1.001432

Gas Day	Gemini DVol	Daily Correction Factor
04-May-20	0.01067	1.001457
05-May-20	0.01173	1.001429
06-May-20	0.00818	1.001422
07-May-20	0.00852	1.001431
08-May-20	0.01121	1.001415
09-May-20	0.01164	1.001421
10-May-20	0.01194	1.001462
11-May-20	0.01194	1.001458
12-May-20	0.01116	1.001438
13-May-20	0.01173	1.001427
14-May-20	0.01084	1.001415
15-May-20	0.01140	1.001386
16-May-20	0.01096	1.001433
17-May-20	0.01181	1.001440
18-May-20	0.00853	1.001457
19-May-20	0.01127	1.001458
20-May-20	0.01086	1.001496
21-May-20	0.01173	1.001502
22-May-20	0.01159	1.001513
23-May-20	0.01189	1.001486
24-May-20	0.01169	1.001460
25-May-20	0.01092	1.001446
26-May-20	0.01185	1.001475
27-May-20	0.01000	1.001495
28-May-20	0.01151	1.001496
29-May-20	0.01203	1.001509
30-May-20	0.01168	1.001456
31-May-20	0.00354	1.001507
01-Jun-20	0.00720	1.001423
02-Jun-20	0.01123	1.001434
03-Jun-20	0.00775	1.001390
04-Jun-20	0.01176	1.001473
05-Jun-20	0.01160	1.001433
06-Jun-20	0.01179	1.001454
07-Jun-20	0.01107	1.001475
08-Jun-20	0.01134	1.001444
09-Jun-20	0.01089	1.001383
10-Jun-20	0.01110	1.001420
11-Jun-20	0.01169	1.001437
12-Jun-20	0.01150	1.001403
13-Jun-20	0.01149	1.001407
14-Jun-20	0.01126	1.001420
15-Jun-20	0.00728	1.001379

Gas Day	Gemini DVol	Daily Correction Factor
16-Jun-20	0.00798	1.001410
17-Jun-20	0.01002	1.001449
18-Jun-20	0.01174	1.001440
19-Jun-20	0.01168	1.001432
20-Jun-20	0.01158	1.001416
21-Jun-20	0.01153	1.001415
22-Jun-20	0.01165	1.001440
23-Jun-20	0.00137	1.001464
24-Jun-20	0.00000	1.000000
25-Jun-20	0.00000	1.000000
26-Jun-20	0.00332	1.001204
27-Jun-20	0.01125	1.001411
28-Jun-20	0.01160	1.001456
29-Jun-20	0.01170	1.001462
30-Jun-20	0.01159	1.001445
01-Jul-20	0.01154	1.001431
02-Jul-20	0.01163	1.001440
03-Jul-20	0.01132	1.001434
04-Jul-20	0.01129	1.001394
05-Jul-20	0.01159	1.001425
06-Jul-20	0.01156	1.001438
07-Jul-20	0.01120	1.001429
08-Jul-20	0.01158	1.001431
09-Jul-20	0.01167	1.001437
10-Jul-20	0.01099	1.001453
11-Jul-20	0.01154	1.001443
12-Jul-20	0.01151	1.001460
13-Jul-20	0.01158	1.001460
14-Jul-20	0.01146	1.001434
15-Jul-20	0.01156	1.001451
16-Jul-20	0.01166	1.001453
17-Jul-20	0.01156	1.001463
18-Jul-20	0.00934	1.001442
19-Jul-20	0.01156	1.001441
20-Jul-20	0.01166	1.001464
21-Jul-20	0.01174	1.001470
22-Jul-20	0.01084	1.001478
23-Jul-20	0.01157	1.001451
24-Jul-20	0.01162	1.001470
25-Jul-20	0.01163	1.001481
26-Jul-20	0.01185	1.001480
27-Jul-20	0.01180	1.001476
28-Jul-20	0.01203	1.001498

Gas Day	Gemini DVol	Daily Correction Factor
29-Jul-20	0.01194	1.001479
30-Jul-20	0.01148	1.001483
31-Jul-20	0.00836	1.001458
01-Aug-20	0.01060	1.001419
02-Aug-20	0.01166	1.001475
03-Aug-20	0.00885	1.001362
04-Aug-20	0.01030	1.001322
05-Aug-20	0.01024	1.001325
06-Aug-20	0.00875	1.001391
07-Aug-20	0.01020	1.001390
08-Aug-20	0.01007	1.001346
09-Aug-20	0.00955	1.001273
10-Aug-20	0.01026	1.001277
11-Aug-20	0.00967	1.001356
12-Aug-20	0.01108	1.001393
13-Aug-20	0.01097	1.001451
14-Aug-20	0.01146	1.001445
15-Aug-20	0.01139	1.001421
16-Aug-20	0.01146	1.001427
17-Aug-20	0.00963	1.001440
18-Aug-20	0.01185	1.001472
19-Aug-20	0.01166	1.001454
20-Aug-20	0.01155	1.001439
21-Aug-20	0.00950	1.001342
22-Aug-20	0.01084	1.001342
23-Aug-20	0.01088	1.001352
24-Aug-20	0.01080	1.001366
25-Aug-20	0.01089	1.001364
26-Aug-20	0.00935	1.001342
27-Aug-20	0.01030	1.001367
28-Aug-20	0.01105	1.001412
29-Aug-20	0.01136	1.001406
30-Aug-20	0.01117	1.001384
31-Aug-20	0.01029	1.001305
01-Sep-20	0.00882	1.001278
02-Sep-20	0.01080	1.001386
03-Sep-20	0.01188	1.001472
04-Sep-20	0.00935	1.001488
05-Sep-20	0.01202	1.001489
06-Sep-20	0.01195	1.001476
07-Sep-20	0.01174	1.001451
08-Sep-20	0.01141	1.001420
09-Sep-20	0.01175	1.001455

Gas Day	Gemini DVol	Daily Correction Factor
10-Sep-20	0.01180	1.001462
11-Sep-20	0.01193	1.001487
12-Sep-20	0.01206	1.001493
13-Sep-20	0.01209	1.001498
14-Sep-20	0.01209	1.001490
15-Sep-20	0.01189	1.001474
16-Sep-20	0.01201	1.001488
17-Sep-20	0.01205	1.001489
18-Sep-20	0.00412	1.001346
19-Sep-20	0.00949	1.001457
20-Sep-20	0.01208	1.001508
21-Sep-20	0.01119	1.001472
22-Sep-20	0.01139	1.001475
23-Sep-20	0.01193	1.001486
24-Sep-20	0.01078	1.001546
25-Sep-20	0.01275	1.001569
26-Sep-20	0.01206	1.001490
27-Sep-20	0.01185	1.001470
28-Sep-20	0.01179	1.001475
29-Sep-20	0.01191	1.001519
30-Sep-20	0.01228	1.001528
01-Oct-20	0.01187	1.001515
02-Oct-20	0.01136	1.001499
03-Oct-20	0.01207	1.001479
04-Oct-20	0.01212	1.001488
05-Oct-20	0.01214	1.001508
06-Oct-20	0.01242	1.001527
07-Oct-20	0.01250	1.001533
08-Oct-20	0.01260	1.001549
09-Oct-20	0.01173	1.001540
10-Oct-20	0.01239	1.001517
11-Oct-20	0.01208	1.001530
12-Oct-20	0.01235	1.001519
13-Oct-20	0.01239	1.001532
14-Oct-20	0.01258	1.001558
15-Oct-20	0.01203	1.001565
16-Oct-20	0.01231	1.001545
17-Oct-20	0.01249	1.001539
18-Oct-20	0.01242	1.001534
19-Oct-20	0.01222	1.001506
20-Oct-20	0.01219	1.001497
21-Oct-20	0.01228	1.001508
22-Oct-20	0.01222	1.001531



Gas Day	Gemini DVol	Daily Correction Factor
23-Oct-20	0.01219	1.001516
24-Oct-20	0.01272	1.001495
25-Oct-20	0.01072	1.001487
26-Oct-20	0.01088	1.001554
27-Oct-20	0.01247	1.001539
28-Oct-20	0.01251	1.001538
29-Oct-20	0.01188	1.001528
30-Oct-20	0.01192	1.001517
31-Oct-20	0.01201	1.001493
01-Nov-20	0.01188	1.001461
02-Nov-20	0.01145	1.001491
03-Nov-20	0.01189	1.001509
04-Nov-20	0.01194	1.001480
05-Nov-20	0.01203	1.001487
06-Nov-20	0.01193	1.001477
07-Nov-20	0.01178	1.001464
08-Nov-20	0.01184	1.001463
09-Nov-20	0.01145	1.001475
10-Nov-20	0.01189	1.001455
11-Nov-20	0.01149	1.001463
12-Nov-20	0.01196	1.001480
13-Nov-20	0.01185	1.001470
14-Nov-20	0.01170	1.001451
15-Nov-20	0.01192	1.001451
16-Nov-20	0.01204	1.001463
17-Nov-20	0.01200	1.001459
18-Nov-20	0.01200	1.001458
19-Nov-20	0.01163	1.001451
20-Nov-20	0.01188	1.001445
21-Nov-20	0.01181	1.001433
22-Nov-20	0.01189	1.001445
23-Nov-20	0.01173	1.001423
24-Nov-20	0.01177	1.001424
25-Nov-20	0.00963	1.001460
26-Nov-20	0.01231	1.001492
27-Nov-20	0.01202	1.001447
28-Nov-20	0.01218	1.001469
29-Nov-20	0.01216	1.001464
30-Nov-20	0.01208	1.001453
01-Dec-20	0.01154	1.001463
02-Dec-20	0.01222	1.001462
03-Dec-20	0.01209	1.001458
04-Dec-20	0.01240	1.001493

Gas Day	Gemini DVol	Daily Correction Factor
05-Dec-20	0.01230	1.001488
06-Dec-20	0.01157	1.001439
07-Dec-20	0.01217	1.001458
08-Dec-20	0.01217	1.001458
09-Dec-20	0.01182	1.001415
10-Dec-20	0.01193	1.001427
11-Dec-20	0.01199	1.001437
12-Dec-20	0.01226	1.001469
13-Dec-20	0.01181	1.001468
14-Dec-20	0.01202	1.001455
15-Dec-20	0.01203	1.001465
16-Dec-20	0.01197	1.001476
17-Dec-20	0.01229	1.001481
18-Dec-20	0.01227	1.001484
19-Dec-20	0.01204	1.001463
20-Dec-20	0.01204	1.001461
21-Dec-20	0.01183	1.001433
22-Dec-20	0.01186	1.001452
23-Dec-20	0.00239	1.001424
24-Dec-20	0.00000	1.000000
25-Dec-20	0.00000	1.000000
26-Dec-20	0.00509	1.001392
27-Dec-20	0.01085	1.001414
28-Dec-20	0.01162	1.001414
29-Dec-20	0.01100	1.001327
30-Dec-20	0.01156	1.001402
31-Dec-20	0.01171	1.001416
01-Jan-21	0.01179	1.001422
02-Jan-21	0.01186	1.001431
03-Jan-21	0.01177	1.001413
04-Jan-21	0.01149	1.001409
05-Jan-21	0.00989	1.001481
06-Jan-21	0.01205	1.001447
07-Jan-21	0.01125	1.001428
08-Jan-21	0.01179	1.001414
09-Jan-21	0.01174	1.001405
10-Jan-21	0.01159	1.001386
11-Jan-21	0.01177	1.001404
12-Jan-21	0.00884	1.001496
13-Jan-21	0.01230	1.001476
14-Jan-21	0.01202	1.001443
15-Jan-21	0.01204	1.001448
16-Jan-21	0.01175	1.001402



Gas Day	Gemini DVol	Daily Correction Factor
17-Jan-21	0.01174	1.001407
18-Jan-21	0.01186	1.001418
19-Jan-21	0.01148	1.001411
20-Jan-21	0.01176	1.001431
21-Jan-21	0.01178	1.001438
22-Jan-21	0.01203	1.001445
23-Jan-21	0.01177	1.001435
24-Jan-21	0.01205	1.001448
25-Jan-21	0.01184	1.001425
26-Jan-21	0.01170	1.001408
27-Jan-21	0.01178	1.001412
28-Jan-21	0.01169	1.001400
29-Jan-21	0.01154	1.001424
30-Jan-21	0.01165	1.001403
31-Jan-21	0.01151	1.001381
01-Feb-21	0.01137	1.001399
02-Feb-21	0.01164	1.001400
03-Feb-21	0.01170	1.001411
04-Feb-21	0.01173	1.001411
05-Feb-21	0.01123	1.001419
06-Feb-21	0.01151	1.001430
07-Feb-21	0.01019	1.001437
08-Feb-21	0.01163	1.001413
09-Feb-21	0.01155	1.001408
10-Feb-21	0.01184	1.001428
11-Feb-21	0.01102	1.001413
12-Feb-21	0.00592	1.001429
13-Feb-21	0.00315	1.001578
14-Feb-21	0.00875	1.001483
15-Feb-21	0.01198	1.001439
16-Feb-21	0.01201	1.001442
17-Feb-21	0.01185	1.001437
18-Feb-21	0.01209	1.001469
19-Feb-21	0.01227	1.001477
20-Feb-21	0.01093	1.001318
21-Feb-21	0.01117	1.001363
22-Feb-21	0.01229	1.001484
23-Feb-21	0.01227	1.001481

Gas Day	Gemini DVol	Daily Correction Factor
24-Feb-21	0.01222	1.001471
25-Feb-21	0.01242	1.001501
26-Feb-21	0.01233	1.001485
27-Feb-21	0.01211	1.001454
28-Feb-21	0.01200	1.001449
01-Mar-21	0.01136	1.001459
02-Mar-21	0.01186	1.001461
03-Mar-21	0.01193	1.001449
04-Mar-21	0.01197	1.001454
05-Mar-21	0.01180	1.001448
06-Mar-21	0.01203	1.001454
07-Mar-21	0.01207	1.001444
08-Mar-21	0.01173	1.001400
09-Mar-21	0.01009	1.001383
10-Mar-21	0.01174	1.001409
11-Mar-21	0.01204	1.001445
12-Mar-21	0.01222	1.001460
13-Mar-21	0.01195	1.001434
14-Mar-21	0.01221	1.001466
15-Mar-21	0.01237	1.001481
16-Mar-21	0.01082	1.001473
17-Mar-21	0.01178	1.001458
18-Mar-21	0.01188	1.001435
19-Mar-21	0.01201	1.001447
20-Mar-21	0.01193	1.001435
21-Mar-21	0.01186	1.001437
22-Mar-21	0.01174	1.001420
23-Mar-21	0.01083	1.001441
24-Mar-21	0.01172	1.001425
25-Mar-21	0.01172	1.001425
26-Mar-21	0.01194	1.001443
27-Mar-21	0.01135	1.001427
28-Mar-21	0.01184	1.001428
29-Mar-21	0.01181	1.001442
30-Mar-21	0.01176	1.001430
31-Mar-21	0.01151	1.001405
01-Apr-21	0.00846	1.000328