



P.O. Box 10640 Bozeman, Montana 59719

(406) 460-0903

TO: Randy Pancheco, APWS; Jim Griswold, NMOCD

FROM: Curtis Shuck, Chairman

DATE: October 27, 2022

RE: Twin Lakes SA #061 (30-005-60920) Orphan Well Pre-Plugging Methane Monitoring

TECHNICAL MEMORANDUM

The Well Done Foundation, Inc. (WDF) performing contract professional services methane monitoring for A-Plus Well Services, Inc. (APWS) for the State of New Mexico Energy, Minerals and Natural Resources Department – Oil Conservation Division (OCD) under Purchase Order #10000002000038AA for Orphan Oil & Gas Wells at the Twin Lakes Field in Chavez County, NM.

The site conditions found at Twin Lakes SAU #061 by the WDF Measure 1 Team on August 22, 2022, at 3:18 P.M. revealed a leaking wellhead with high concentrations of methane gas present and leaking by the production valve at the 2-3/8" tubing and from the 4" casing. The WDF Team performed field gas measurements, collected gas samples and performed a 24.7-hour Methane Emissions Flow Monitoring Test using Ventbuster™ Instruments VB100-35 Ultra-Low Flow Meter with GPS for site location verification.



Image 1.1 – Twin Lakes SAU Field

The findings from the Pre-Plugging Methane Flow Monitoring Test, using Ventbuster™ Instruments VB100-0035 Ultra-Low Flow Meter with GPS, resulted in 0.15 cubic meters per day of total measured wellhead emissions over the 24.7-hour interval period. A composite gas sample was collected at the wellhead by WDF at the end of the flow test on August 23, 2022, approximately 24.7-hours later. Methane gas concentration levels were measured at 2,050 ppm, pursuant to Test ID 20220500 performed by Laboratory Services of Hobbs, NM on August 31, 2022, at 12:59 P.M. Therefore, the adjusted average methane gas emission measured at this wellhead is calculated at **0.01 grams per hour (g/hour)**¹ by using the average methane gas emission. A peak emission of **0.19 m3/day or 0.01 grams per hour (g/hour)** as recorded at 3:50 P.M. on August 23, 2022.

¹ Methane Calculation: 554 grams CH₄ per cubic meter (554 x 0.15 = 81.6 g/day total /24 = 3.40 g/hour x 0.002050 (methane concentration) = **0.01 g/hour CH₄**). **Methane, gas** weighs 0.000554 gram per cubic centimeter or 0.554 kilogram per cubic meter, i.e. density of methane, gas is equal to 0.554 kg/m³; at 0°C (32°F or 273.15K) at standard atmospheric pressure. In Imperial or US customary measurement system, the density is equal to 0.0346 pound per cubic foot [lb/ft³], or 0.0003202 ounce per cubic inch [oz/inch³].

This orphan well does not exceed the >1 g/hour federal program reporting requirements for methane emissions reductions as described in Section 40601 (Orphaned well site plugging, remediation, and restoration) of Title V (Methane Reduction Infrastructure) of the 2021 Bipartisan Infrastructure Law (BIL; Public Law 117-58)².



Interval Report

Interval Start Date: Monday, August 22nd, 2022, 3:20 PM MDT
Interval End Date: Tuesday, August 23rd, 2022, 4:13 PM MDT
Device: VB100-0035
Well Licensee: NMOCD
Well Name: Twin Lakes SA 61
UWI: 30-005-60920
Well License Number: 30-005-60920
Surface Location: Private
Bottom Hole Location: Unknown

Test Operator: SOS
Authorized By: NMOCD
Test Reason: IJJA PRE PLUG
Scope Of Work: 12 hour
AFE Number: NMOCD038AA/APWS22.001
GPS: 33.56830,-104.01942
Notes: GTG

Flow Test

Average Flowrate

0.15

m3/d

0.01

g/ hour

Average Flow
Temperature

25.6

°C

Average Flow
Pressure

-1.4

kPag

Flow Duration

24.7

hours

Image 2.1 – Twin Lakes SAU #061 (30-005-60920) Methane Monitoring Dashboard

BACKGROUND

The Twin Lakes SAU #061 (30-005-60920) Orphan Well is located in Chavez County, NM at Latitude 33.56837310, Longitude -104.019405902 was measured and monitored by the WDF Field Team on 8/22-23/2022 following a Safety Briefing. Per the WDF protocol, the well was photographed from four (4) compass point aspects and closeups capturing the wellhead, field gas analysis results and gas sampling and uploaded to the WDF Well Intel™ IoT site. A Field Gas Analysis was conducted to detect Methane and H₂s gas presence and concentration levels using a Honeywell BW Quattro Multi Gas Meter, serial number: QA121-012211.

² These April 11, 2022 Guidelines were developed to meet the federal program reporting requirements for methane emissions reductions as described in Section 40601 (Orphaned well site plugging, remediation, and restoration) of Title V (Methane Reduction Infrastructure) of the 2021 Bipartisan Infrastructure Law (BIL; Public Law 117-58).

WDF Well Intel

Well Site

Info	Well File	Images	Well Data	Regulatory	Field Notes	Access	Remove Well
Name	TWIN LAKES SAN ANDRES UNIT #061						
Stage	Stage 2b - Contract Monitoring Completed						
GPS	33.56837310138678		-104.01940590211139				
API#	30-005-60920						
Contract ID:	1000002000038AA						

Image 3.1 – WDF Well Intel™ Orphan Well Project Management IoT

The WDF Field Team collected Gas Sample #1 using a 1 Liter Tedlar/TO-Plus Gas Sampling Bag from the 2-3/8" production tubing which was flowing gas past the valve and at the 4" casing port at the beginning of the Flow Test at approximately 3:18 P.M MDT on 8.22.2022 as the well was being prepared for the Flow Measurement. Gas Sample #2 was collected in the same 1 Liter Tedlar Bag on 8.23.2022 before the Flow Test was concluded 2:36 P.M. MDT.

WDF rigged up the Ventbuster™ Instruments VB100-035 Continuous Ultra-Low Flow Meter with GPS for testing site confirmation for a minimum 12-Hour Methane Emission Test and began Test ID: 968e522, verifying a cellular signal, cloud link and GPS coordinates. WDF collected Gas Sample #2 in the same Tedlar/TO Plus Gas Sample Bag prior to the VB Test being concluded on 8.22.2022 to ensure the Methane Emission Flow was normalized. The collected Gas Sample was secured and placed in a storage cooler for transport to Laboratory Services, Inc. in Hobbs, NM.

WDF returned to location on 8.23.2022 (approximately 24.7 hours) to conclude the Pre-Plugging Methane Emission Flow Test and rig the VB100-035 down and secure the wellhead. A "Green Ribbon" was placed at the Wellhead indicating that WDF had concluded the Pre-Plugging Methane Flow testing.

TECHNICAL FINDINGS

Twin Lakes SAU #061 (30-005-60920):

- **Total C1 through C6 Gas Concentration: 13,410 ppm**
- **Total Nitrogen Concentration: 985,920 ppm**
- **Total Measured Wellhead Gas Emissions: 0.15 m3/day**
- **Methane Gas Concentration: 2,050 ppm**
- **Calculated Average Wellhead Methane Gas Emissions: 0.01 g/hour**
- **Peak Methane Flow Measured at: 0.19 g/hour**

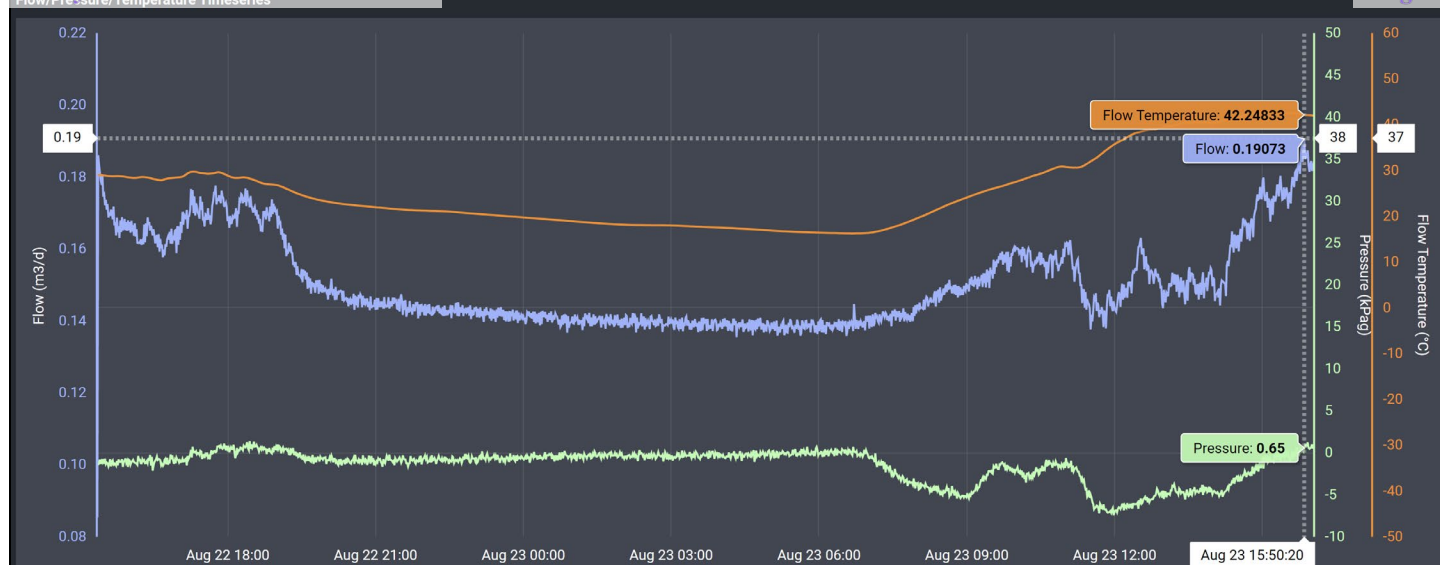


Image 4.1 – Twin Lakes SAU #061 (30-005-60920) Methane Flow/Pressure/Temperature Timeseries & Peak Flow

CONCLUSIONS

- The Twin Lakes SA #061 (30-005-60920) is currently emitting Methane at the average rate of 0.01 g/hour, which is below the Federal minimum threshold for reporting described in Section 40601 (Orphaned well site plugging, remediation, and restoration) of Title V (Methane Reduction Infrastructure) of the 2021 Bipartisan Infrastructure Law (BIL; Public Law 117-58) which is >1g/hour.
- WDF did capture a Methane Flow Peak at 0.19 m3/day recorded at 3:50 P.M on August 23, 2022, which indicates a potential for higher Methane Emissions however, still not exceeding the Federal minimum threshold.

FIELD NOTES

#	Date	Note
1	2022-08-18	CES: Deploy VB100-018 at location for gas flow testing.
2	2022-08-22	ces: Rig up VB100-035 for re-test (VB100-018 has a Comms Link issue for engineering).
3	2022-08-23	ces: Rig down VB100-035. Pull Gas Sample for Lab Analysis.

Image 4.2 – Twin Lakes SAU #061 (30-005-60920) Field Notes from WDF Well Intel™ Orphan Well Project Management IoT



1) Twin Lakes SA #061 (30-005-60920) – North Facing



2) Twin Lakes SA #061 (30-005-60920) – East Facing



3) Twin Lakes SA #061 (30-005-60920) – Field Gas



4) Twin Lakes SA #061 (30-005-60920) – Well Head

Well Done Foundation, Inc. / Ventbuster Test Data

Test ID: 6306902c20fb40a89684e522
 Start Date: Mon Aug 22 2022 21:18:26 GMT+0000 (Coordinated Universal Time)
 End Date: Wed Aug 24 2022 20:55:05 GMT+0000 (Coordinated Universal Time)
 Device: VB100-0035
 Well Owner: Well Done Foundation Inc.
 Service Provider: Well Done Foundation Inc.
 Well Licensee: NMOCD
 Well Name: Twin Lakes SA 61
 UWI: 30-005-60920
 Well License Number: 30-005-60920
 Surface Location: Private
 Bottom Hole Location: Unknown
 Test Operator: SOS
 Authorized By: NMOCD
 Test Reason: IJJA PRE PLUG
 Scope of Work: 12 hour
 AFE Number: NMOCD038AA/APWS22.001
 GPS: 33.5683 -104.01942
 Notes: GTG

Field Notes:

time	Flow_m3_per_day	Pressure_kPag	Flow_Temperature_C	Shut_in_Status_Mode
2022-08-22T21:18:26.000Z	-0.001008	-1.566666667	28.5825	0
2022-08-22T21:20:25.027Z	0.105396	-1.325	29.04416667	0
2022-08-22T21:22:24.054Z	0.182652	-0.983333333	29.16416667	0
2022-08-22T21:24:23.081Z	0.179328	-1.175	29.13583333	0
2022-08-22T21:26:22.108Z	0.178128	-0.933333333	29.0825	0
2022-08-22T21:28:21.135Z	0.174933818	-0.927272727	29.03454545	0
2022-08-22T21:30:20.162Z	0.173808	-1.05	28.985	0
2022-08-22T21:32:19.189Z	0.1716	-1.125	28.9325	0
2022-08-22T21:34:18.216Z	0.169596	-1.383333333	28.89666667	0
2022-08-22T21:36:17.243Z	0.17022	-1.1	28.87583333	0
2022-08-22T21:38:16.270Z	0.168972	-0.9	28.84833333	0
2022-08-22T21:40:15.297Z	0.170124	-1.3	28.85416667	0
2022-08-22T21:42:14.324Z	0.165708	-1.275	28.87583333	0
2022-08-22T21:44:13.351Z	0.167016	-1.308333333	28.89083333	0
2022-08-22T21:46:12.378Z	0.165672	-0.858333333	28.88083333	0
2022-08-22T21:48:11.405Z	0.165547636	-1.009090909	28.85454545	0
2022-08-22T21:50:10.432Z	0.166812	-0.933333333	28.83166667	0
2022-08-22T21:52:09.459Z	0.166128	-1.05	28.79416667	0
2022-08-22T21:54:08.486Z	0.166824	-0.908333333	28.74333333	0
2022-08-22T21:56:07.513Z	0.166164	-0.958333333	28.68666667	0
2022-08-22T21:58:06.540Z	0.166728	-1.191666667	28.61666667	0
2022-08-22T22:00:05.567Z	0.16614	-1.1	28.56666667	0
2022-08-22T22:02:04.594Z	0.166572	-1.033333333	28.51583333	0
2022-08-22T22:04:03.621Z	0.1656	-0.883333333	28.4925	0
2022-08-22T22:06:02.648Z	0.166032	-1.041666667	28.4925	0
2022-08-22T22:08:01.675Z	0.164487273	-1.209090909	28.51090909	0
2022-08-22T22:10:00.702Z	0.162108	-0.8	28.57666667	0
2022-08-22T22:11:59.729Z	0.161364	-0.791666667	28.65083333	0
2022-08-22T22:13:58.756Z	0.162084	-1.116666667	28.69583333	0
2022-08-22T22:15:57.783Z	0.162048	-0.85	28.70083333	0
2022-08-22T22:17:56.810Z	0.164496	-0.875	28.675	0
2022-08-22T22:19:55.837Z	0.165204	-1.158333333	28.62833333	0
2022-08-22T22:21:54.864Z	0.16794	-0.866666667	28.56166667	0

2022-08-22T22:23:53.891Z	0.166452	-0.525	28.48416667	0
2022-08-22T22:25:52.918Z	0.166284	-1.025	28.38833333	0
2022-08-22T22:27:51.945Z	0.16488	-1.527272727	28.29818182	0
2022-08-22T22:29:50.972Z	0.164376	-1.266666667	28.215	0
2022-08-22T22:31:49.999Z	0.16278	-0.716666667	28.13666667	0
2022-08-22T22:33:49.026Z	0.161532	-0.5	28.07	0
2022-08-22T22:35:48.053Z	0.161472	-0.725	28.0225	0
2022-08-22T22:37:47.080Z	0.161556	-1.3	27.98833333	0
2022-08-22T22:39:46.107Z	0.159228	-1.358333333	28.04333333	0
2022-08-22T22:41:45.134Z	0.159636	-0.958333333	28.165	0
2022-08-22T22:43:44.161Z	0.161088	-0.958333333	28.27166667	0
2022-08-22T22:45:43.188Z	0.163236	-0.933333333	28.35583333	0
2022-08-22T22:47:42.215Z	0.163764	-0.991666667	28.41333333	0
2022-08-22T22:49:41.242Z	0.163824	-0.341666667	28.455	0
2022-08-22T22:51:40.269Z	0.163348364	-0.6	28.48636364	0
2022-08-22T22:53:39.296Z	0.162672	-1.066666667	28.5125	0
2022-08-22T22:55:38.323Z	0.163776	-0.891666667	28.55916667	0
2022-08-22T22:57:37.350Z	0.163368	-0.708333333	28.59666667	0
2022-08-22T22:59:36.377Z	0.16386	-0.883333333	28.63416667	0
2022-08-22T23:01:35.404Z	0.166632	-0.958333333	28.68666667	0
2022-08-22T23:03:34.431Z	0.167736	-0.85	28.7625	0
2022-08-22T23:05:33.458Z	0.168276	-0.866666667	28.92416667	0
2022-08-22T23:07:32.485Z	0.168732	-0.716666667	29.16416667	0
2022-08-22T23:09:31.512Z	0.168453818	-0.890909091	29.40454545	0
2022-08-22T23:11:30.539Z	0.169512	-0.616666667	29.61583333	0
2022-08-22T23:13:29.566Z	0.172476	-0.058333333	29.75916667	0
2022-08-22T23:15:28.593Z	0.17412	0.083333333	29.8325	0
2022-08-22T23:17:27.620Z	0.17328	0.483333333	29.86	0
2022-08-22T23:19:26.647Z	0.170976	0.016666667	29.83333333	0
2022-08-22T23:21:25.674Z	0.171288	0.108333333	29.7675	0
2022-08-22T23:23:24.701Z	0.170616	-0.125	29.6775	0
2022-08-22T23:25:23.728Z	0.17244	0.183333333	29.59083333	0
2022-08-22T23:27:22.755Z	0.172104	-0.25	29.54916667	0
2022-08-22T23:29:21.782Z	0.168283636	-0.181818182	29.52272727	0
2022-08-22T23:31:20.809Z	0.167736	-0.258333333	29.48833333	0
2022-08-22T23:33:19.836Z	0.168804	-0.191666667	29.43916667	0
2022-08-22T23:35:18.863Z	0.169608	-0.433333333	29.42666667	0
2022-08-22T23:37:17.890Z	0.168972	-0.383333333	29.43916667	0
2022-08-22T23:39:16.917Z	0.17016	0.083333333	29.47666667	0
2022-08-22T23:41:15.944Z	0.173652	0.241666667	29.51	0
2022-08-22T23:43:14.971Z	0.176124	0.241666667	29.5825	0
2022-08-22T23:45:13.998Z	0.173976	0.375	29.68583333	0
2022-08-22T23:47:13.025Z	0.174048	0.758333333	29.735	0
2022-08-22T23:49:12.052Z	0.173952	0.733333333	29.71	0
2022-08-22T23:51:11.079Z	0.174288	0.691666667	29.60833333	0
2022-08-22T23:53:10.106Z	0.175025455	0.718181818	29.47909091	0
2022-08-22T23:55:09.133Z	0.172188	0.958333333	29.32916667	0
2022-08-22T23:57:08.160Z	0.17244	0.6	29.1625	0
2022-08-22T23:59:07.187Z	0.168888	0.6	28.995	0
2022-08-23T00:01:06.214Z	0.167292	0.316666667	28.83416667	0
2022-08-23T00:03:05.241Z	0.167484	0.65	28.7	0
2022-08-23T00:05:04.268Z	0.16872	0.691666667	28.58083333	0
2022-08-23T00:07:03.295Z	0.168564	0.316666667	28.51	0
2022-08-23T00:09:02.322Z	0.170028	-0.158333333	28.485	0
2022-08-23T00:11:01.349Z	0.170112	0.283333333	28.4925	0

2022-08-23T00:13:00.376Z	0.172001455	0.336363636	28.52181818	0
2022-08-23T00:14:59.403Z	0.17448	0.666666667	28.5675	0
2022-08-23T00:16:58.430Z	0.174048	0.441666667	28.62416667	0
2022-08-23T00:18:57.457Z	0.173208	0.916666667	28.62166667	0
2022-08-23T00:20:56.484Z	0.174708	0.716666667	28.5725	0
2022-08-23T00:22:55.511Z	0.175296	1.158333333	28.50583333	0
2022-08-23T00:24:54.538Z	0.174036	0.65	28.40166667	0
2022-08-23T00:26:53.565Z	0.174132	1.058333333	28.29833333	0
2022-08-23T00:28:52.592Z	0.170556	0.691666667	28.17166667	0
2022-08-23T00:30:51.619Z	0.17076	1.208333333	28.0525	0
2022-08-23T00:32:50.646Z	0.170037818	0.663636364	27.92090909	0
2022-08-23T00:34:49.673Z	0.169692	0.883333333	27.78083333	0
2022-08-23T00:36:48.700Z	0.168156	0.383333333	27.63	0
2022-08-23T00:38:47.727Z	0.166764	0.675	27.49166667	0
2022-08-23T00:40:46.754Z	0.165492	0.558333333	27.35666667	0
2022-08-23T00:42:45.781Z	0.169572	0.558333333	27.2475	0
2022-08-23T00:44:44.808Z	0.169428	0.516666667	27.18666667	0
2022-08-23T00:46:43.835Z	0.170976	0.083333333	27.1525	0
2022-08-23T00:48:42.862Z	0.168924	0.508333333	27.1225	0
2022-08-23T00:50:41.889Z	0.170088	0.341666667	27.0875	0
2022-08-23T00:52:40.916Z	0.17208	0.109090909	27.06454545	0
2022-08-23T00:54:39.943Z	0.171372	0.458333333	27.02916667	0
2022-08-23T00:56:38.970Z	0.17082	0.508333333	26.9925	0
2022-08-23T00:58:37.997Z	0.170268	0.833333333	26.93666667	0
2022-08-23T01:00:37.024Z	0.168276	0.7	26.8425	0
2022-08-23T01:02:36.051Z	0.167436	0.733333333	26.7275	0
2022-08-23T01:04:35.078Z	0.165348	0.225	26.59166667	0
2022-08-23T01:06:34.105Z	0.163764	0.45	26.44416667	0
2022-08-23T01:08:33.132Z	0.16182	0.683333333	26.2875	0
2022-08-23T01:10:32.159Z	0.159816	0.375	26.12083333	0
2022-08-23T01:12:31.186Z	0.159264	0.375	25.97083333	0
2022-08-23T01:14:30.213Z	0.1602	-0.08	25.822	0
2022-08-23T01:16:29.240Z	0.160008	0.333333333	25.65666667	0
2022-08-23T01:18:28.267Z	0.156948	0.291666667	25.49416667	0
2022-08-23T01:20:27.294Z	0.155532	-0.083333333	25.335	0
2022-08-23T01:22:26.321Z	0.154644	-0.05	25.20083333	0
2022-08-23T01:24:25.348Z	0.154068	-0.25	25.0625	0
2022-08-23T01:26:24.375Z	0.152784	-0.116666667	24.92833333	0
2022-08-23T01:28:23.402Z	0.153528	-0.491666667	24.795	0
2022-08-23T01:30:22.429Z	0.15252	-0.516666667	24.67333333	0
2022-08-23T01:32:21.456Z	0.153492	-0.575	24.55583333	0
2022-08-23T01:34:20.483Z	0.15288	-0.708333333	24.42916667	0
2022-08-23T01:36:19.510Z	0.150702545	-0.727272727	24.33181818	0
2022-08-23T01:38:18.537Z	0.150684	-0.458333333	24.23083333	0
2022-08-23T01:40:17.564Z	0.149388	-1.125	24.135	0
2022-08-23T01:42:16.591Z	0.15054	-0.2	24.03416667	0
2022-08-23T01:44:15.618Z	0.150012	-1.066666667	23.94666667	0
2022-08-23T01:46:14.645Z	0.14982	-0.633333333	23.8425	0
2022-08-23T01:48:13.672Z	0.150288	-0.591666667	23.765	0
2022-08-23T01:50:12.699Z	0.149604	-0.766666667	23.6775	0
2022-08-23T01:52:11.726Z	0.149268	-0.525	23.59833333	0
2022-08-23T01:54:10.753Z	0.149568	-0.675	23.52416667	0
2022-08-23T01:56:09.780Z	0.148909091	-0.381818182	23.45454545	0
2022-08-23T01:58:08.807Z	0.14874	-0.791666667	23.38666667	0
2022-08-23T02:00:07.834Z	0.147612	-1.041666667	23.32916667	0

2022-08-23T02:02:06.861Z	0.148188	-0.55	23.26416667	0
2022-08-23T02:04:05.888Z	0.148725818	-0.736363636	23.19818182	0
2022-08-23T02:06:04.915Z	0.149544	-0.408333333	23.14916667	0
2022-08-23T02:08:03.942Z	0.147672	-0.891666667	23.0825	0
2022-08-23T02:10:02.969Z	0.147756	-0.9	23.02666667	0
2022-08-23T02:12:01.996Z	0.147396	-1.016666667	22.97916667	0
2022-08-23T02:14:01.023Z	0.147924	-1.05	22.92166667	0
2022-08-23T02:16:00.050Z	0.14856	-1.041666667	22.88166667	0
2022-08-23T02:17:59.077Z	0.147076364	-1.090909091	22.82636364	0
2022-08-23T02:19:58.104Z	0.14676	-1.225	22.78666667	0
2022-08-23T02:21:57.131Z	0.146232	-0.941666667	22.745	0
2022-08-23T02:23:56.158Z	0.146544	-0.758333333	22.7	0
2022-08-23T02:25:55.185Z	0.145212	-0.775	22.6575	0
2022-08-23T02:27:54.212Z	0.146604	-1.1	22.625	0
2022-08-23T02:29:53.239Z	0.145236	-1.033333333	22.59	0
2022-08-23T02:31:52.266Z	0.145944	-0.608333333	22.55666667	0
2022-08-23T02:33:51.293Z	0.145512	-0.716666667	22.5175	0
2022-08-23T02:35:50.320Z	0.145572	-0.858333333	22.485	0
2022-08-23T02:37:49.347Z	0.145492364	-0.954545455	22.44909091	0
2022-08-23T02:39:48.374Z	0.146904	-0.85	22.42333333	0
2022-08-23T02:41:47.401Z	0.145464	-1	22.39333333	0
2022-08-23T02:43:46.428Z	0.1458	-0.675	22.355	0
2022-08-23T02:45:45.455Z	0.145572	-0.733333333	22.32333333	0
2022-08-23T02:47:44.482Z	0.145548	-1.075	22.29333333	0
2022-08-23T02:49:43.509Z	0.145536	-1.033333333	22.25916667	0
2022-08-23T02:51:42.536Z	0.144468	-0.541666667	22.22666667	0
2022-08-23T02:53:41.563Z	0.144684	-0.65	22.19	0
2022-08-23T02:55:40.590Z	0.144516	-0.891666667	22.15666667	0
2022-08-23T02:57:39.617Z	0.145086545	-1.245454545	22.12454545	0
2022-08-23T02:59:38.644Z	0.144864	-1.133333333	22.08916667	0
2022-08-23T03:01:37.671Z	0.144984	-0.833333333	22.04833333	0
2022-08-23T03:03:36.698Z	0.145476	-0.641666667	22.02083333	0
2022-08-23T03:05:35.725Z	0.144444	-1.208333333	21.98583333	0
2022-08-23T03:07:34.752Z	0.143928	-1.108333333	21.9525	0
2022-08-23T03:09:33.779Z	0.145404	-0.966666667	21.92083333	0
2022-08-23T03:11:32.806Z	0.144696	-0.791666667	21.885	0
2022-08-23T03:13:31.833Z	0.144672	-0.45	21.84833333	0
2022-08-23T03:15:30.860Z	0.145188	-0.516666667	21.81416667	0
2022-08-23T03:17:29.887Z	0.144746182	-0.7	21.78	0
2022-08-23T03:19:28.914Z	0.145476	-0.958333333	21.75166667	0
2022-08-23T03:21:27.941Z	0.145716	-1.175	21.72083333	0
2022-08-23T03:23:26.968Z	0.146064	-0.741666667	21.69333333	0
2022-08-23T03:25:25.995Z	0.143532	-0.95	21.66083333	0
2022-08-23T03:27:25.022Z	0.144384	-0.491666667	21.63166667	0
2022-08-23T03:29:24.049Z	0.1468368	-0.86	21.627	0
2022-08-23T03:31:23.076Z	0.14502	-0.7	21.57833333	0
2022-08-23T03:33:22.103Z	0.143304	-0.733333333	21.55333333	0
2022-08-23T03:35:21.130Z	0.144744	-0.508333333	21.53083333	0
2022-08-23T03:37:20.157Z	0.14238	-1.433333333	21.49916667	0
2022-08-23T03:39:19.184Z	0.143227636	-1.363636364	21.48454545	0
2022-08-23T03:41:18.211Z	0.144252	-0.675	21.47083333	0
2022-08-23T03:43:17.238Z	0.142644	-0.825	21.45666667	0
2022-08-23T03:45:16.265Z	0.144384	-0.675	21.4325	0
2022-08-23T03:47:15.292Z	0.143676	-1.091666667	21.415	0
2022-08-23T03:49:14.319Z	0.145224	-0.891666667	21.40416667	0

2022-08-23T03:51:13.346Z	0.142764	-0.925	21.39916667	0
2022-08-23T03:53:12.373Z	0.14304	-0.675	21.37916667	0
2022-08-23T03:55:11.400Z	0.144504	-0.925	21.36833333	0
2022-08-23T03:57:10.427Z	0.142248	-0.775	21.36583333	0
2022-08-23T03:59:09.454Z	0.143450182	-0.5	21.34636364	0
2022-08-23T04:01:08.481Z	0.142896	-0.483333333	21.33416667	0
2022-08-23T04:03:07.508Z	0.143652	-1.016666667	21.31833333	0
2022-08-23T04:05:06.535Z	0.143568	-0.783333333	21.3025	0
2022-08-23T04:07:05.562Z	0.141948	-0.65	21.29083333	0
2022-08-23T04:09:04.589Z	0.143016	-0.933333333	21.2775	0
2022-08-23T04:11:03.616Z	0.143172	-0.525	21.27	0
2022-08-23T04:13:02.643Z	0.144084	-1.091666667	21.25916667	0
2022-08-23T04:15:01.670Z	0.143544	-0.65	21.24583333	0
2022-08-23T04:17:00.697Z	0.143556	-0.4	21.23583333	0
2022-08-23T04:18:59.724Z	0.142546909	-1.018181818	21.22636364	0
2022-08-23T04:20:58.751Z	0.143016	-0.758333333	21.20583333	0
2022-08-23T04:22:57.778Z	0.14256	-0.508333333	21.1975	0
2022-08-23T04:24:56.805Z	0.142164	-0.783333333	21.18416667	0
2022-08-23T04:26:55.832Z	0.142176	-0.841666667	21.15583333	0
2022-08-23T04:28:54.859Z	0.143112	-0.958333333	21.13083333	0
2022-08-23T04:30:53.886Z	0.142752	-0.975	21.11166667	0
2022-08-23T04:32:52.913Z	0.143676	-0.35	21.0875	0
2022-08-23T04:34:51.940Z	0.142488	-1.05	21.06166667	0
2022-08-23T04:36:50.967Z	0.144804	-0.65	21.02333333	0
2022-08-23T04:38:49.994Z	0.143472	-1.116666667	20.995	0
2022-08-23T04:40:49.021Z	0.143232	-0.575	20.96666667	0
2022-08-23T04:42:48.048Z	0.143371636	-0.863636364	20.93727273	0
2022-08-23T04:44:47.075Z	0.143028	-0.916666667	20.90666667	0
2022-08-23T04:46:46.102Z	0.1425	-0.525	20.87	0
2022-08-23T04:48:45.129Z	0.142812	-0.425	20.83583333	0
2022-08-23T04:50:44.156Z	0.142956	-0.4	20.80083333	0
2022-08-23T04:52:43.183Z	0.14298	-0.583333333	20.7725	0
2022-08-23T04:54:42.210Z	0.142584	-1.05	20.74083333	0
2022-08-23T04:56:41.237Z	0.14244	-0.558333333	20.72	0
2022-08-23T04:58:40.264Z	0.143004	-0.508333333	20.685	0
2022-08-23T05:00:39.291Z	0.143424	-0.758333333	20.66333333	0
2022-08-23T05:02:38.318Z	0.142599273	-0.972727273	20.63454545	0
2022-08-23T05:04:37.345Z	0.142572	-0.566666667	20.60666667	0
2022-08-23T05:06:36.372Z	0.141864	-0.308333333	20.5875	0
2022-08-23T05:08:35.399Z	0.141528	-0.258333333	20.5525	0
2022-08-23T05:10:34.426Z	0.14118	-0.633333333	20.53333333	0
2022-08-23T05:12:33.453Z	0.14262	-0.575	20.5125	0
2022-08-23T05:14:32.480Z	0.1428	-0.091666667	20.48166667	0
2022-08-23T05:16:31.507Z	0.1425	-0.65	20.45333333	0
2022-08-23T05:18:30.534Z	0.14226	-0.65	20.425	0
2022-08-23T05:20:29.561Z	0.141516	-0.391666667	20.4	0
2022-08-23T05:22:28.588Z	0.142154182	-0.436363636	20.37909091	0
2022-08-23T05:24:27.615Z	0.141912	-0.466666667	20.34666667	0
2022-08-23T05:26:26.642Z	0.140892	-0.491666667	20.32083333	0
2022-08-23T05:28:25.669Z	0.143004	-0.45	20.28583333	0
2022-08-23T05:30:24.696Z	0.14274	-0.975	20.26	0
2022-08-23T05:32:23.723Z	0.14262	-0.458333333	20.23166667	0
2022-08-23T05:34:22.750Z	0.142644	-0.85	20.205	0
2022-08-23T05:36:21.777Z	0.14154	-0.858333333	20.1775	0
2022-08-23T05:38:20.804Z	0.141396	-0.441666667	20.145	0

2022-08-23T05:40:19.831Z	0.140964	-0.683333333	20.1175	0
2022-08-23T05:42:18.858Z	0.141604364	-0.527272727	20.09	0
2022-08-23T05:44:17.885Z	0.142044	-0.625	20.0675	0
2022-08-23T05:46:16.912Z	0.14166	-0.541666667	20.03916667	0
2022-08-23T05:48:15.939Z	0.141708	-0.683333333	20.02083333	0
2022-08-23T05:50:14.966Z	0.141756	-0.583333333	19.995	0
2022-08-23T05:52:13.993Z	0.141504	-0.558333333	19.96666667	0
2022-08-23T05:54:13.020Z	0.141204	-0.583333333	19.9325	0
2022-08-23T05:56:12.047Z	0.141552	-0.358333333	19.91666667	0
2022-08-23T05:58:11.074Z	0.141396	-0.658333333	19.88083333	0
2022-08-23T06:00:10.101Z	0.140292	-0.441666667	19.85	0
2022-08-23T06:02:09.128Z	0.13986	-0.708333333	19.82666667	0
2022-08-23T06:04:08.155Z	0.142468364	-0.345454545	19.79272727	0
2022-08-23T06:06:07.182Z	0.141984	-0.8	19.77	0
2022-08-23T06:08:06.209Z	0.141552	-0.508333333	19.73583333	0
2022-08-23T06:10:05.236Z	0.14184	-0.233333333	19.705	0
2022-08-23T06:12:04.263Z	0.14124	-0.2	19.6825	0
2022-08-23T06:14:03.290Z	0.141228	-0.266666667	19.65333333	0
2022-08-23T06:16:02.317Z	0.141192	-0.483333333	19.62916667	0
2022-08-23T06:18:01.344Z	0.140184	-0.6	19.59333333	0
2022-08-23T06:20:00.371Z	0.140856	-0.45	19.56583333	0
2022-08-23T06:21:59.398Z	0.1413	-0.508333333	19.54166667	0
2022-08-23T06:23:58.425Z	0.141748364	-0.345454545	19.51454545	0
2022-08-23T06:25:57.452Z	0.141576	-0.341666667	19.49416667	0
2022-08-23T06:27:56.479Z	0.140964	-0.166666667	19.46666667	0
2022-08-23T06:29:55.506Z	0.141744	-0.166666667	19.43416667	0
2022-08-23T06:31:54.533Z	0.141756	-0.083333333	19.41	0
2022-08-23T06:33:53.560Z	0.141132	-0.525	19.3825	0
2022-08-23T06:35:52.587Z	0.140856	-0.491666667	19.3575	0
2022-08-23T06:37:51.614Z	0.14142	-0.508333333	19.32166667	0
2022-08-23T06:39:50.641Z	0.140712	-0.433333333	19.29666667	0
2022-08-23T06:41:49.668Z	0.140064	-0.533333333	19.275	0
2022-08-23T06:43:48.695Z	0.139719273	-0.327272727	19.25090909	0
2022-08-23T06:45:47.722Z	0.140064	-0.216666667	19.21666667	0
2022-08-23T06:47:46.749Z	0.14052	-0.383333333	19.19	0
2022-08-23T06:49:45.776Z	0.14064	0.141666667	19.15833333	0
2022-08-23T06:51:44.803Z	0.139896	-0.275	19.12583333	0
2022-08-23T06:53:43.830Z	0.139128	-0.441666667	19.1075	0
2022-08-23T06:55:42.857Z	0.139704	-0.266666667	19.075	0
2022-08-23T06:57:41.884Z	0.140388	-0.658333333	19.04833333	0
2022-08-23T06:59:40.911Z	0.140028	-0.125	19.01583333	0
2022-08-23T07:01:39.938Z	0.14028	-0.4	18.98833333	0
2022-08-23T07:03:38.965Z	0.140609455	-0.863636364	18.96	0
2022-08-23T07:05:37.992Z	0.14034	-0.1	18.9375	0
2022-08-23T07:07:37.019Z	0.140232	-0.425	18.90833333	0
2022-08-23T07:09:36.046Z	0.139956	-0.175	18.87583333	0
2022-08-23T07:11:35.073Z	0.139392	-0.625	18.855	0
2022-08-23T07:13:34.100Z	0.140172	-0.041666667	18.82416667	0
2022-08-23T07:15:33.127Z	0.141384	-0.558333333	18.79416667	0
2022-08-23T07:17:32.154Z	0.14034	-0.308333333	18.7625	0
2022-08-23T07:19:31.181Z	0.140556	-0.233333333	18.73583333	0
2022-08-23T07:21:30.208Z	0.140604	-0.45	18.71083333	0
2022-08-23T07:23:29.235Z	0.139405091	-0.245454545	18.68454545	0
2022-08-23T07:25:28.262Z	0.140652	0.15	18.64833333	0
2022-08-23T07:27:27.289Z	0.140144	-0.322222222	18.63555556	0

2022-08-23T07:29:26.316Z	0.1404	-0.208333333	18.60666667	0
2022-08-23T07:31:25.343Z	0.141168	-0.15	18.5825	0
2022-08-23T07:33:24.370Z	0.139272	-0.425	18.56083333	0
2022-08-23T07:35:23.397Z	0.140436	-0.2	18.53583333	0
2022-08-23T07:37:22.424Z	0.139956	-0.258333333	18.51083333	0
2022-08-23T07:39:21.451Z	0.140028	-0.208333333	18.48666667	0
2022-08-23T07:41:20.478Z	0.141312	-0.241666667	18.465	0
2022-08-23T07:43:19.505Z	0.139536	-0.108333333	18.4425	0
2022-08-23T07:45:18.532Z	0.140504727	-0.090909091	18.42727273	0
2022-08-23T07:47:17.559Z	0.139884	-0.158333333	18.40666667	0
2022-08-23T07:49:16.586Z	0.140004	-0.133333333	18.385	0
2022-08-23T07:51:15.613Z	0.140484	-0.233333333	18.36416667	0
2022-08-23T07:53:14.640Z	0.140976	-0.175	18.35416667	0
2022-08-23T07:55:13.667Z	0.13914	-0.341666667	18.3325	0
2022-08-23T07:57:12.694Z	0.139356	-0.016666667	18.31583333	0
2022-08-23T07:59:11.721Z	0.139548	-0.233333333	18.29833333	0
2022-08-23T08:01:10.748Z	0.14028	-0.55	18.28916667	0
2022-08-23T08:03:09.775Z	0.140328	-0.416666667	18.275	0
2022-08-23T08:05:08.802Z	0.140952	-0.391666667	18.2625	0
2022-08-23T08:07:07.829Z	0.138174545	-0.263636364	18.24909091	0
2022-08-23T08:09:06.856Z	0.139608	-0.35	18.235	0
2022-08-23T08:11:05.883Z	0.14058	-0.366666667	18.2275	0
2022-08-23T08:13:04.910Z	0.140928	-0.158333333	18.22583333	0
2022-08-23T08:15:03.937Z	0.141852	-0.183333333	18.21333333	0
2022-08-23T08:17:02.964Z	0.138612	-0.466666667	18.21333333	0
2022-08-23T08:19:01.991Z	0.138948	-0.408333333	18.20833333	0
2022-08-23T08:21:01.018Z	0.139452	0.191666667	18.20416667	0
2022-08-23T08:23:00.045Z	0.140436	0.008333333	18.20166667	0
2022-08-23T08:24:59.072Z	0.140868	-0.316666667	18.19333333	0
2022-08-23T08:26:58.099Z	0.139788	-0.55	18.18916667	0
2022-08-23T08:28:57.126Z	0.139156364	-0.281818182	18.18363636	0
2022-08-23T08:30:56.153Z	0.139032	-0.325	18.18083333	0
2022-08-23T08:32:55.180Z	0.139392	-0.291666667	18.1725	0
2022-08-23T08:34:54.207Z	0.14184	-0.2	18.1675	0
2022-08-23T08:36:53.234Z	0.139704	-0.291666667	18.16	0
2022-08-23T08:38:52.261Z	0.138984	-0.25	18.16083333	0
2022-08-23T08:40:51.288Z	0.139332	-0.541666667	18.16333333	0
2022-08-23T08:42:50.315Z	0.139752	0.041666667	18.16	0
2022-08-23T08:44:49.342Z	0.141408	-0.25	18.15916667	0
2022-08-23T08:46:48.369Z	0.140448	-0.283333333	18.15833333	0
2022-08-23T08:48:47.396Z	0.138226909	-0.536363636	18.15	0
2022-08-23T08:50:46.423Z	0.13806	-0.25	18.15416667	0
2022-08-23T08:52:45.450Z	0.13926	-0.308333333	18.1475	0
2022-08-23T08:54:44.477Z	0.139968	-0.333333333	18.135	0
2022-08-23T08:56:43.504Z	0.1404	-0.383333333	18.12916667	0
2022-08-23T08:58:42.531Z	0.140316	-0.558333333	18.11916667	0
2022-08-23T09:00:41.558Z	0.138732	-0.558333333	18.10666667	0
2022-08-23T09:02:40.585Z	0.138744	-0.308333333	18.08333333	0
2022-08-23T09:04:39.612Z	0.140412	-0.541666667	18.075	0
2022-08-23T09:06:38.639Z	0.139008	-0.283333333	18.0625	0
2022-08-23T09:08:37.666Z	0.139143273	-0.245454545	18.04818182	0
2022-08-23T09:10:36.693Z	0.13908	-0.408333333	18.0225	0
2022-08-23T09:12:35.720Z	0.138372	-0.025	18.00916667	0
2022-08-23T09:14:34.747Z	0.138984	-0.191666667	17.99083333	0
2022-08-23T09:16:33.774Z	0.140952	-0.283333333	17.97583333	0

2022-08-23T09:18:32.801Z	0.140004	-0.116666667	17.9575	0
2022-08-23T09:20:31.828Z	0.139824	-0.241666667	17.94166667	0
2022-08-23T09:22:30.855Z	0.13752	-0.158333333	17.92416667	0
2022-08-23T09:24:29.882Z	0.13938	-0.208333333	17.91166667	0
2022-08-23T09:26:28.909Z	0.139584	-0.308333333	17.89416667	0
2022-08-23T09:28:27.936Z	0.139706182	-0.154545455	17.88	0
2022-08-23T09:30:26.963Z	0.139104	-0.075	17.86083333	0
2022-08-23T09:32:25.990Z	0.138948	-0.541666667	17.84583333	0
2022-08-23T09:34:25.017Z	0.13764	-0.425	17.8225	0
2022-08-23T09:36:24.044Z	0.138588	-0.316666667	17.805	0
2022-08-23T09:38:23.071Z	0.140292	-0.05	17.7875	0
2022-08-23T09:40:22.098Z	0.140064	-0.375	17.7675	0
2022-08-23T09:42:21.125Z	0.139008	-0.1	17.75	0
2022-08-23T09:44:20.152Z	0.139116	-0.208333333	17.74083333	0
2022-08-23T09:46:19.179Z	0.138696	-0.283333333	17.72583333	0
2022-08-23T09:48:18.206Z	0.138144	0.225	17.715	0
2022-08-23T09:50:17.233Z	0.139156364	-0.036363636	17.69818182	0
2022-08-23T09:52:16.260Z	0.140448	-0.266666667	17.6825	0
2022-08-23T09:54:15.287Z	0.138696	-0.108333333	17.67333333	0
2022-08-23T09:56:14.314Z	0.138576	-0.066666667	17.6475	0
2022-08-23T09:58:13.341Z	0.13944	-0.416666667	17.63916667	0
2022-08-23T10:00:12.368Z	0.13902	-0.183333333	17.62583333	0
2022-08-23T10:02:11.395Z	0.13866	-0.316666667	17.605	0
2022-08-23T10:04:10.422Z	0.1401	-0.441666667	17.5925	0
2022-08-23T10:06:09.449Z	0.139464	-0.508333333	17.57833333	0
2022-08-23T10:08:08.476Z	0.138816	-0.308333333	17.55583333	0
2022-08-23T10:10:07.503Z	0.139464	-0.15	17.54416667	0
2022-08-23T10:12:06.530Z	0.138135273	-0.327272727	17.53545455	0
2022-08-23T10:14:05.557Z	0.138876	-0.125	17.51666667	0
2022-08-23T10:16:04.584Z	0.139764	-0.05	17.49416667	0
2022-08-23T10:18:03.611Z	0.137844	-0.391666667	17.47166667	0
2022-08-23T10:20:02.638Z	0.139224	-0.4	17.44916667	0
2022-08-23T10:22:01.665Z	0.139332	-0.075	17.43333333	0
2022-08-23T10:24:00.692Z	0.138792	-0.3	17.41833333	0
2022-08-23T10:25:59.719Z	0.138336	-0.433333333	17.38916667	0
2022-08-23T10:27:58.746Z	0.138576	-0.325	17.37	0
2022-08-23T10:29:57.773Z	0.139404	-0.033333333	17.34083333	0
2022-08-23T10:31:56.800Z	0.138829091	-0.063636364	17.32454545	0
2022-08-23T10:33:55.827Z	0.138744	-0.3	17.30333333	0
2022-08-23T10:35:54.854Z	0.137844	-0.108333333	17.28583333	0
2022-08-23T10:37:53.881Z	0.1383	-0.133333333	17.25833333	0
2022-08-23T10:39:52.908Z	0.139224	-0.3	17.23833333	0
2022-08-23T10:41:51.935Z	0.138912	-0.083333333	17.2175	0
2022-08-23T10:43:50.962Z	0.139332	-0.325	17.20333333	0
2022-08-23T10:45:49.989Z	0.13938	-0.075	17.18416667	0
2022-08-23T10:47:49.016Z	0.139248	-0.266666667	17.1525	0
2022-08-23T10:49:48.043Z	0.13902	0.216666667	17.14333333	0
2022-08-23T10:51:47.070Z	0.138396	-0.125	17.1125	0
2022-08-23T10:53:46.097Z	0.138894545	-0.109090909	17.09090909	0
2022-08-23T10:55:45.124Z	0.138504	-0.333333333	17.06916667	0
2022-08-23T10:57:44.151Z	0.138792	0.241666667	17.04833333	0
2022-08-23T10:59:43.178Z	0.13776	-0.216666667	17.02583333	0
2022-08-23T11:01:42.205Z	0.139188	-0.05	16.9925	0
2022-08-23T11:03:41.232Z	0.139152	-0.116666667	16.97416667	0
2022-08-23T11:05:40.259Z	0.137748	-0.383333333	16.9475	0

2022-08-23T11:07:39.286Z	0.138444	0.05	16.9175	0
2022-08-23T11:09:38.313Z	0.13782	-0.358333333	16.9075	0
2022-08-23T11:11:37.340Z	0.138312	0.066666667	16.87583333	0
2022-08-23T11:13:36.367Z	0.137899636	0.036363636	16.85727273	0
2022-08-23T11:15:35.394Z	0.138636	0.025	16.83666667	0
2022-08-23T11:17:34.421Z	0.1377	-0.033333333	16.82166667	0
2022-08-23T11:19:33.448Z	0.138168	0.075	16.8	0
2022-08-23T11:21:32.475Z	0.138348	-0.083333333	16.78416667	0
2022-08-23T11:23:31.502Z	0.139476	-0.108333333	16.76583333	0
2022-08-23T11:25:30.529Z	0.13914	-0.15	16.75166667	0
2022-08-23T11:27:29.556Z	0.138144	0.225	16.73666667	0
2022-08-23T11:29:28.583Z	0.138	0.291666667	16.72416667	0
2022-08-23T11:31:27.610Z	0.138763636	-0.190909091	16.70090909	0
2022-08-23T11:33:26.637Z	0.13974	-0.158333333	16.69916667	0
2022-08-23T11:35:25.664Z	0.137304	0.041666667	16.68833333	0
2022-08-23T11:37:24.691Z	0.137493818	0.327272727	16.65363636	0
2022-08-23T11:39:23.718Z	0.1400832	0.22	16.654	0
2022-08-23T11:41:22.745Z	0.138108	0.083333333	16.64583333	0
2022-08-23T11:43:21.772Z	0.139728	0.091666667	16.64166667	0
2022-08-23T11:45:20.799Z	0.138552	0.341666667	16.62666667	0
2022-08-23T11:47:19.826Z	0.139344	-0.116666667	16.61416667	0
2022-08-23T11:49:18.853Z	0.13878	0.016666667	16.595	0
2022-08-23T11:51:17.880Z	0.139968	-0.033333333	16.58916667	0
2022-08-23T11:53:16.907Z	0.138082909	0.145454545	16.57727273	0
2022-08-23T11:55:15.934Z	0.13788	0.316666667	16.5675	0
2022-08-23T11:57:14.961Z	0.137868	0.383333333	16.555	0
2022-08-23T11:59:13.988Z	0.13878	-0.133333333	16.5425	0
2022-08-23T12:01:13.015Z	0.140508	0.216666667	16.5275	0
2022-08-23T12:03:12.042Z	0.13788	-0.15	16.52083333	0
2022-08-23T12:05:11.069Z	0.138564	-0.225	16.51416667	0
2022-08-23T12:07:10.096Z	0.137412	0.1	16.50083333	0
2022-08-23T12:09:09.123Z	0.139656	0.283333333	16.4875	0
2022-08-23T12:11:08.150Z	0.139044	-0.158333333	16.47916667	0
2022-08-23T12:13:07.177Z	0.138012	0.35	16.475	0
2022-08-23T12:15:06.204Z	0.138174545	0.263636364	16.46727273	0
2022-08-23T12:17:05.231Z	0.13878	-0.175	16.46	0
2022-08-23T12:19:04.258Z	0.13962	0.4	16.46166667	0
2022-08-23T12:21:03.285Z	0.139272	-0.191666667	16.45083333	0
2022-08-23T12:23:02.312Z	0.138192	0.266666667	16.43416667	0
2022-08-23T12:25:01.339Z	0.138984	0.091666667	16.425	0
2022-08-23T12:27:00.366Z	0.1389	0.325	16.4175	0
2022-08-23T12:28:59.393Z	0.139644	0.441666667	16.41666667	0
2022-08-23T12:30:58.420Z	0.138936	0.141666667	16.40916667	0
2022-08-23T12:32:57.447Z	0.13692	-0.058333333	16.4	0
2022-08-23T12:34:56.474Z	0.138933818	0.381818182	16.39818182	0
2022-08-23T12:36:55.501Z	0.139464	0.15	16.38833333	0
2022-08-23T12:38:54.528Z	0.140151273	-0.018181818	16.37090909	0
2022-08-23T12:40:53.555Z	0.138992	0.277777778	16.37666667	0
2022-08-23T12:42:52.582Z	0.140784	0.158333333	16.39333333	0
2022-08-23T12:44:51.609Z	0.138888	0.1	16.38916667	0
2022-08-23T12:46:50.636Z	0.139032	-0.15	16.39333333	0
2022-08-23T12:48:49.663Z	0.139644	-0.166666667	16.4025	0
2022-08-23T12:50:48.690Z	0.139356	-0.116666667	16.41166667	0
2022-08-23T12:52:47.717Z	0.138792	-0.25	16.43083333	0
2022-08-23T12:54:46.744Z	0.139164	0.208333333	16.44583333	0

2022-08-23T12:56:45.771Z	0.140884364	0.236363636	16.46545455	0
2022-08-23T12:58:44.798Z	0.140688	-0.241666667	16.48833333	0
2022-08-23T13:00:43.825Z	0.140328	-0.516666667	16.52333333	0
2022-08-23T13:02:42.852Z	0.138792	-0.375	16.56666667	0
2022-08-23T13:04:41.879Z	0.139575273	-0.545454545	16.61818182	0
2022-08-23T13:06:40.906Z	0.1412496	-0.83	16.673	0
2022-08-23T13:08:39.933Z	0.141384	-1.041666667	16.7575	0
2022-08-23T13:10:38.960Z	0.140736	-1.183333333	16.82833333	0
2022-08-23T13:12:37.987Z	0.139596	-1.225	16.91166667	0
2022-08-23T13:14:37.014Z	0.140648727	-1.245454545	16.98363636	0
2022-08-23T13:16:36.041Z	0.1428	-1.133333333	17.07777778	0
2022-08-23T13:18:35.068Z	0.141624	-1.458333333	17.17583333	0
2022-08-23T13:20:34.095Z	0.142188	-1.841666667	17.27416667	0
2022-08-23T13:22:33.122Z	0.141012	-1.65	17.3725	0
2022-08-23T13:24:32.149Z	0.141192	-1.725	17.4775	0
2022-08-23T13:26:31.176Z	0.139956	-2.166666667	17.59083333	0
2022-08-23T13:28:30.203Z	0.142008	-2.508333333	17.69583333	0
2022-08-23T13:30:29.230Z	0.142728	-2.466666667	17.81166667	0
2022-08-23T13:32:28.257Z	0.14184	-2.208333333	17.9325	0
2022-08-23T13:34:27.284Z	0.142056	-2.691666667	18.03416667	0
2022-08-23T13:36:26.311Z	0.141048	-2.8	18.15333333	0
2022-08-23T13:38:25.338Z	0.141447273	-3.118181818	18.27727273	0
2022-08-23T13:40:24.365Z	0.141936	-2.833333333	18.40333333	0
2022-08-23T13:42:23.392Z	0.141828	-3.158333333	18.52833333	0
2022-08-23T13:44:22.419Z	0.141672	-3.2	18.67	0
2022-08-23T13:46:21.446Z	0.141468	-3.458333333	18.8	0
2022-08-23T13:48:20.473Z	0.141432	-3.358333333	18.9375	0
2022-08-23T13:50:19.500Z	0.141396	-3.616666667	19.085	0
2022-08-23T13:52:18.527Z	0.14064	-3.375	19.2325	0
2022-08-23T13:54:17.554Z	0.142344	-3.508333333	19.36916667	0
2022-08-23T13:56:16.581Z	0.14298	-3.858333333	19.51916667	0
2022-08-23T13:58:15.608Z	0.143829818	-3.509090909	19.66454545	0
2022-08-23T14:00:14.635Z	0.1443	-4.016666667	19.80583333	0
2022-08-23T14:02:13.662Z	0.144672	-3.825	19.95666667	0
2022-08-23T14:04:12.689Z	0.143556	-3.833333333	20.1	0
2022-08-23T14:06:11.716Z	0.144693818	-3.827272727	20.22636364	0
2022-08-23T14:08:10.743Z	0.144471273	-3.854545455	20.39090909	0
2022-08-23T14:10:09.770Z	0.146736	-3.91	20.567	0
2022-08-23T14:12:08.797Z	0.144864	-4.083333333	20.7125	0
2022-08-23T14:14:07.824Z	0.145848	-4.416666667	20.87416667	0
2022-08-23T14:16:06.851Z	0.146064	-4.366666667	21.04083333	0
2022-08-23T14:18:05.878Z	0.145754182	-4.209090909	21.2	0
2022-08-23T14:20:04.905Z	0.147816	-4.358333333	21.35833333	0
2022-08-23T14:22:03.932Z	0.146808	-3.858333333	21.51333333	0
2022-08-23T14:24:02.959Z	0.147516	-4.5	21.67833333	0
2022-08-23T14:26:01.986Z	0.147372	-4.583333333	21.83583333	0
2022-08-23T14:28:01.013Z	0.146148	-4.725	21.9975	0
2022-08-23T14:30:00.040Z	0.14838	-4.666666667	22.1625	0
2022-08-23T14:31:59.067Z	0.148476	-4.666666667	22.32833333	0
2022-08-23T14:33:58.094Z	0.148992	-4.133333333	22.4825	0
2022-08-23T14:35:57.121Z	0.149388	-4.183333333	22.64083333	0
2022-08-23T14:37:56.148Z	0.15036	-5.158333333	22.78166667	0
2022-08-23T14:39:55.175Z	0.149275636	-4.545454545	22.91727273	0
2022-08-23T14:41:54.202Z	0.148776	-4.291666667	23.05166667	0
2022-08-23T14:43:53.229Z	0.148836	-4.758333333	23.19416667	0

2022-08-23T14:45:52.256Z	0.148752	-4.841666667	23.33416667	0
2022-08-23T14:47:51.283Z	0.148392	-5.025	23.47333333	0
2022-08-23T14:49:50.310Z	0.14832	-5.175	23.60333333	0
2022-08-23T14:51:49.337Z	0.148584	-5.175	23.74416667	0
2022-08-23T14:53:48.364Z	0.148152	-5.033333333	23.88416667	0
2022-08-23T14:55:47.391Z	0.149244	-5.183333333	24.02	0
2022-08-23T14:57:46.418Z	0.149568	-5.241666667	24.14333333	0
2022-08-23T14:59:45.445Z	0.14976	-4.945454545	24.27363636	0
2022-08-23T15:01:44.472Z	0.149652	-5.05	24.39666667	0
2022-08-23T15:03:43.499Z	0.151272	-4.925	24.52583333	0
2022-08-23T15:05:42.526Z	0.150504	-4.783333333	24.6625	0
2022-08-23T15:07:41.553Z	0.150924	-4.641666667	24.79583333	0
2022-08-23T15:09:40.580Z	0.151104	-4.008333333	24.92333333	0
2022-08-23T15:11:39.607Z	0.150312	-4.083333333	25.0525	0
2022-08-23T15:13:38.634Z	0.15114	-3.983333333	25.17916667	0
2022-08-23T15:15:37.661Z	0.151476	-3.45	25.295	0
2022-08-23T15:17:36.688Z	0.151308	-3.075	25.4125	0
2022-08-23T15:19:35.715Z	0.151697455	-3.045454545	25.53	0
2022-08-23T15:21:34.742Z	0.151332	-2.958333333	25.645	0
2022-08-23T15:23:33.769Z	0.152868	-2.741666667	25.765	0
2022-08-23T15:25:32.796Z	0.152016	-2.141666667	25.87916667	0
2022-08-23T15:27:31.823Z	0.153036	-2	25.99083333	0
2022-08-23T15:29:30.850Z	0.153348	-2.416666667	26.09916667	0
2022-08-23T15:31:29.877Z	0.1548	-1.891666667	26.19666667	0
2022-08-23T15:33:28.904Z	0.15582	-1.683333333	26.28583333	0
2022-08-23T15:35:27.931Z	0.156564	-1.458333333	26.3925	0
2022-08-23T15:37:26.958Z	0.157176	-1.808333333	26.47916667	0
2022-08-23T15:39:25.985Z	0.158124	-1.316666667	26.58166667	0
2022-08-23T15:41:25.012Z	0.158164364	-1.145454545	26.67909091	0
2022-08-23T15:43:24.039Z	0.157104	-1.241666667	26.77583333	0
2022-08-23T15:45:23.066Z	0.156984	-1.675	26.89083333	0
2022-08-23T15:47:22.093Z	0.157872	-1.458333333	26.99916667	0
2022-08-23T15:49:21.120Z	0.156492	-1.691666667	27.12666667	0
2022-08-23T15:51:20.147Z	0.156048	-1.875	27.25166667	0
2022-08-23T15:53:19.174Z	0.158208	-1.858333333	27.355	0
2022-08-23T15:55:18.201Z	0.15924	-2.108333333	27.46083333	0
2022-08-23T15:57:17.228Z	0.159972	-2.1	27.565	0
2022-08-23T15:59:16.255Z	0.160392	-1.975	27.67583333	0
2022-08-23T16:01:15.282Z	0.16014	-1.983333333	27.78916667	0
2022-08-23T16:03:14.309Z	0.158845091	-2.227272727	27.89909091	0
2022-08-23T16:05:13.336Z	0.158304	-2.333333333	28.01833333	0
2022-08-23T16:07:12.363Z	0.159492	-2.575	28.135	0
2022-08-23T16:09:11.390Z	0.159228	-2.791666667	28.26583333	0
2022-08-23T16:11:10.417Z	0.158028	-3.041666667	28.38583333	0
2022-08-23T16:13:09.444Z	0.158328	-2.333333333	28.51416667	0
2022-08-23T16:15:08.471Z	0.1596	-2.858333333	28.6475	0
2022-08-23T16:17:07.498Z	0.156888	-2.741666667	28.78333333	0
2022-08-23T16:19:06.525Z	0.155136	-2.7	28.9125	0
2022-08-23T16:21:05.552Z	0.15558	-2.275	29.02583333	0
2022-08-23T16:23:04.579Z	0.156410182	-1.981818182	29.11636364	0
2022-08-23T16:25:03.606Z	0.158148	-2.016666667	29.205	0
2022-08-23T16:27:02.633Z	0.1578816	-2.5	29.307	0
2022-08-23T16:29:01.660Z	0.157368	-1.85	29.435	0
2022-08-23T16:31:00.687Z	0.156588	-1.791666667	29.55083333	0
2022-08-23T16:32:59.714Z	0.155904	-2.033333333	29.6875	0

2022-08-23T16:34:58.741Z	0.155448	-0.941666667	29.83666667	0
2022-08-23T16:36:57.768Z	0.155952	-1.325	29.975	0
2022-08-23T16:38:56.795Z	0.155328	-1.241666667	30.12916667	0
2022-08-23T16:40:55.822Z	0.15858	-1.066666667	30.2725	0
2022-08-23T16:42:54.849Z	0.154328727	-1.418181818	30.41363636	0
2022-08-23T16:44:53.876Z	0.158064	-1.3	30.54166667	0
2022-08-23T16:46:52.903Z	0.158808	-1.183333333	30.67166667	0
2022-08-23T16:48:51.930Z	0.156024	-1.283333333	30.80416667	0
2022-08-23T16:50:50.957Z	0.154608	-1.55	30.90666667	0
2022-08-23T16:52:49.984Z	0.15546	-1.516666667	30.975	0
2022-08-23T16:54:49.011Z	0.157068	-1.541666667	30.99083333	0
2022-08-23T16:56:48.038Z	0.159816	-1.283333333	30.98083333	0
2022-08-23T16:58:47.065Z	0.160512	-1.275	30.925	0
2022-08-23T17:00:46.092Z	0.161436	-1.308333333	30.86083333	0
2022-08-23T17:02:45.119Z	0.159936	-1.316666667	30.80833333	0
2022-08-23T17:04:44.146Z	0.162048	-1.322222222	30.76888889	0
2022-08-23T17:06:43.173Z	0.158269091	-1.645454545	30.76545455	0
2022-08-23T17:08:42.200Z	0.154786909	-1.845454545	30.71727273	0
2022-08-23T17:10:41.227Z	0.152404364	-1.818181818	30.74818182	0
2022-08-23T17:12:40.254Z	0.156144	-1.891666667	30.7275	0
2022-08-23T17:14:39.281Z	0.155784	-2.141666667	30.755	0
2022-08-23T17:16:38.308Z	0.152016	-2.533333333	30.82416667	0
2022-08-23T17:18:37.335Z	0.14844	-3.208333333	30.94666667	0
2022-08-23T17:20:36.362Z	0.1482	-3.191666667	31.1125	0
2022-08-23T17:22:35.389Z	0.145812	-3.833333333	31.29583333	0
2022-08-23T17:24:34.416Z	0.144864	-4.336363636	31.50272727	0
2022-08-23T17:26:33.443Z	0.145476	-5.066666667	31.7175	0
2022-08-23T17:28:32.470Z	0.143352	-4.908333333	31.9475	0
2022-08-23T17:30:31.497Z	0.140724	-5.183333333	32.18583333	0
2022-08-23T17:32:30.524Z	0.141144	-5.883333333	32.395	0
2022-08-23T17:34:29.551Z	0.146424	-6.575	32.605	0
2022-08-23T17:36:28.578Z	0.145824	-6.291666667	32.83333333	0
2022-08-23T17:38:27.605Z	0.144588	-6.366666667	33.09333333	0
2022-08-23T17:40:26.632Z	0.142452	-6.533333333	33.3775	0
2022-08-23T17:42:25.659Z	0.143004	-6.433333333	33.66333333	0
2022-08-23T17:44:24.686Z	0.141892364	-6.481818182	33.94545455	0
2022-08-23T17:46:23.713Z	0.141924	-6.425	34.23416667	0
2022-08-23T17:48:22.740Z	0.139704	-6.891666667	34.52166667	0
2022-08-23T17:50:21.767Z	0.146796	-6.816666667	34.78416667	0
2022-08-23T17:52:20.794Z	0.148224	-7.075	35.045	0
2022-08-23T17:54:19.821Z	0.145656	-6.841666667	35.28916667	0
2022-08-23T17:56:18.848Z	0.14298	-6.691666667	35.55333333	0
2022-08-23T17:58:17.875Z	0.144696	-7.141666667	35.79916667	0
2022-08-23T18:00:16.902Z	0.142548	-6.808333333	36.01916667	0
2022-08-23T18:02:15.929Z	0.145212	-6.95	36.2225	0
2022-08-23T18:04:14.956Z	0.148097455	-6.318181818	36.39272727	0
2022-08-23T18:06:13.983Z	0.145152	-6.7	36.55916667	0
2022-08-23T18:08:13.010Z	0.149904	-6.058333333	36.72333333	0
2022-08-23T18:10:12.037Z	0.14826	-6.416666667	36.925	0
2022-08-23T18:12:11.064Z	0.147432	-6.15	37.1475	0
2022-08-23T18:14:10.091Z	0.1476	-6.291666667	37.36166667	0
2022-08-23T18:16:09.118Z	0.150792	-6.258333333	37.56416667	0
2022-08-23T18:18:08.145Z	0.150744	-6.383333333	37.77333333	0
2022-08-23T18:20:07.172Z	0.150072	-6.216666667	37.9575	0
2022-08-23T18:22:06.199Z	0.153804	-6.016666667	38.12833333	0

2022-08-23T18:24:05.226Z	0.154416	-6.041666667	38.2875	0
2022-08-23T18:26:04.253Z	0.155412	-5.966666667	38.38	0
2022-08-23T18:28:03.280Z	0.161384727	-6.309090909	38.46	0
2022-08-23T18:30:02.307Z	0.161628	-5.425	38.54083333	0
2022-08-23T18:32:01.334Z	0.15966	-5.9	38.64166667	0
2022-08-23T18:34:00.361Z	0.159984	-5.633333333	38.75	0
2022-08-23T18:35:59.388Z	0.155268	-5.3	38.86166667	0
2022-08-23T18:37:58.415Z	0.156096	-5.375	38.93583333	0
2022-08-23T18:39:57.442Z	0.154776	-5.55	38.9975	0
2022-08-23T18:41:56.469Z	0.15252	-5.65	39.03583333	0
2022-08-23T18:43:55.496Z	0.154056	-5.466666667	39.045	0
2022-08-23T18:45:54.523Z	0.151764	-5.341666667	39.06166667	0
2022-08-23T18:47:53.550Z	0.1534608	-5.04	39.054	0
2022-08-23T18:49:52.577Z	0.152928	-4.658333333	39.13666667	0
2022-08-23T18:51:51.604Z	0.152011636	-4.481818182	39.20818182	0
2022-08-23T18:53:50.631Z	0.151656	-4.991666667	39.2875	0
2022-08-23T18:55:49.658Z	0.147852	-4.783333333	39.3875	0
2022-08-23T18:57:48.685Z	0.1452	-4.925	39.49333333	0
2022-08-23T18:59:47.712Z	0.147528	-4.841666667	39.5875	0
2022-08-23T19:01:46.739Z	0.146448	-5	39.67916667	0
2022-08-23T19:03:45.766Z	0.147564	-4.783333333	39.74666667	0
2022-08-23T19:05:44.793Z	0.150612	-4.908333333	39.7975	0
2022-08-23T19:07:43.820Z	0.149733818	-4.427272727	39.83636364	0
2022-08-23T19:09:42.847Z	0.153432	-3.941666667	39.87583333	0
2022-08-23T19:11:41.874Z	0.151128	-3.841666667	39.92666667	0
2022-08-23T19:13:40.901Z	0.150576	-4.583333333	39.99416667	0
2022-08-23T19:15:39.928Z	0.1527	-4.666666667	40.10833333	0
2022-08-23T19:17:38.955Z	0.148764	-4.35	40.22916667	0
2022-08-23T19:19:37.982Z	0.150336	-4.583333333	40.34166667	0
2022-08-23T19:21:37.009Z	0.15006	-4.616666667	40.44	0
2022-08-23T19:23:36.036Z	0.147888	-5.058333333	40.52416667	0
2022-08-23T19:25:35.063Z	0.1482	-4.925	40.57916667	0
2022-08-23T19:27:34.090Z	0.149720727	-4.527272727	40.56090909	0
2022-08-23T19:29:33.117Z	0.153936	-5.090909091	40.56272727	0
2022-08-23T19:31:32.144Z	0.1526976	-4.49	40.547	0
2022-08-23T19:33:31.171Z	0.153072	-4.783333333	40.54166667	0
2022-08-23T19:35:30.198Z	0.151044	-4.25	40.55333333	0
2022-08-23T19:37:29.225Z	0.148164	-4.575	40.58166667	0
2022-08-23T19:39:28.252Z	0.15018	-4.525	40.59333333	0
2022-08-23T19:41:27.279Z	0.147828	-4.441666667	40.6175	0
2022-08-23T19:43:26.306Z	0.149352	-4.425	40.63083333	0
2022-08-23T19:45:25.333Z	0.150833455	-4.163636364	40.63727273	0
2022-08-23T19:47:24.360Z	0.149544	-4.391666667	40.62583333	0
2022-08-23T19:49:23.387Z	0.1502352	-4.2	40.68	0
2022-08-23T19:51:22.414Z	0.150312	-4.366666667	40.6275	0
2022-08-23T19:53:21.441Z	0.152544	-4.3	40.57666667	0
2022-08-23T19:55:20.468Z	0.153756	-4.375	40.5175	0
2022-08-23T19:57:19.495Z	0.152832	-4.475	40.4825	0
2022-08-23T19:59:18.522Z	0.151572	-4.608333333	40.49833333	0
2022-08-23T20:01:17.549Z	0.147096	-4.533333333	40.5475	0
2022-08-23T20:03:16.576Z	0.147816	-4.858333333	40.6125	0
2022-08-23T20:05:15.603Z	0.147552	-4.775	40.68583333	0
2022-08-23T20:07:14.630Z	0.146016	-4.925	40.78083333	0
2022-08-23T20:09:13.657Z	0.151776	-4.563636364	40.88636364	0
2022-08-23T20:11:12.684Z	0.151068	-5.091666667	41.015	0

2022-08-23T20:13:11.711Z	0.150432	-4.475	41.1525	0
2022-08-23T20:15:10.738Z	0.151296	-4.4	41.2375	0
2022-08-23T20:17:09.765Z	0.155916	-4.141666667	41.28166667	0
2022-08-23T20:19:08.792Z	0.159816	-3.85	41.31	0
2022-08-23T20:21:07.819Z	0.162276	-3.633333333	41.34166667	0
2022-08-23T20:23:06.846Z	0.161412	-3.141666667	41.39333333	0
2022-08-23T20:25:05.873Z	0.163632	-3.358333333	41.47833333	0
2022-08-23T20:27:04.900Z	0.161748	-2.816666667	41.56583333	0
2022-08-23T20:29:03.927Z	0.162929455	-2.972727273	41.66272727	0
2022-08-23T20:31:02.954Z	0.16242	-3.116666667	41.79	0
2022-08-23T20:33:01.981Z	0.163644	-3.125	41.91833333	0
2022-08-23T20:35:01.008Z	0.167496	-2.625	42.0375	0
2022-08-23T20:37:00.035Z	0.167496	-2.333333333	42.1675	0
2022-08-23T20:38:59.062Z	0.1674	-2.575	42.2825	0
2022-08-23T20:40:58.089Z	0.164748	-2.316666667	42.35833333	0
2022-08-23T20:42:57.116Z	0.164988	-2.491666667	42.4175	0
2022-08-23T20:44:56.143Z	0.167244	-2.625	42.47	0
2022-08-23T20:46:55.170Z	0.165744	-1.741666667	42.54166667	0
2022-08-23T20:48:54.197Z	0.168984	-2.1	42.6025	0
2022-08-23T20:50:53.224Z	0.171595636	-1.590909091	42.64	0
2022-08-23T20:52:52.251Z	0.175392	-1.641666667	42.68416667	0
2022-08-23T20:54:51.278Z	0.173952	-1.566666667	42.71583333	0
2022-08-23T20:56:50.305Z	0.175428	-1.508333333	42.69833333	0
2022-08-23T20:58:49.332Z	0.177564	-0.891666667	42.6475	0
2022-08-23T21:00:48.359Z	0.177368727	-1.245454545	42.62	0
2022-08-23T21:02:47.386Z	0.1737	-0.541666667	42.59166667	0
2022-08-23T21:04:46.413Z	0.174036	-0.958333333	42.58	0
2022-08-23T21:06:45.440Z	0.173988	-0.7	42.6075	0
2022-08-23T21:08:44.467Z	0.169512	-0.741666667	42.65166667	0
2022-08-23T21:10:43.494Z	0.172356	-0.841666667	42.655	0
2022-08-23T21:12:42.521Z	0.174174545	-0.809090909	42.65909091	0
2022-08-23T21:14:41.548Z	0.173196	-0.258333333	42.66666667	0
2022-08-23T21:16:40.575Z	0.177432	-0.275	42.67416667	0
2022-08-23T21:18:39.602Z	0.175752	-0.158333333	42.65666667	0
2022-08-23T21:20:38.629Z	0.179856	-0.627272727	42.63272727	0
2022-08-23T21:22:37.656Z	0.175182545	-0.309090909	42.66454545	0
2022-08-23T21:24:36.683Z	0.175632	0.008333333	42.65916667	0
2022-08-23T21:26:35.710Z	0.174732	-0.408333333	42.66166667	0
2022-08-23T21:28:34.737Z	0.17646	-0.008333333	42.66	0
2022-08-23T21:30:33.764Z	0.17322	-0.258333333	42.67	0
2022-08-23T21:32:32.791Z	0.175509818	-0.927272727	42.66272727	0
2022-08-23T21:34:31.818Z	0.176424	-0.008333333	42.64916667	0
2022-08-23T21:36:30.845Z	0.178428	-0.325	42.625	0
2022-08-23T21:38:29.872Z	0.180864	-0.15	42.61	0
2022-08-23T21:40:28.899Z	0.179796	0.325	42.56916667	0
2022-08-23T21:42:27.926Z	0.183852	0.15	42.49666667	0
2022-08-23T21:44:26.953Z	0.182676	0.133333333	42.4125	0
2022-08-23T21:46:25.980Z	0.188376	0.358333333	42.33583333	0
2022-08-23T21:48:25.007Z	0.186528	0.258333333	42.2825	0
2022-08-23T21:50:24.034Z	0.18822	0.791666667	42.24083333	0
2022-08-23T21:52:23.061Z	0.185196	0.916666667	42.21083333	0
2022-08-23T21:54:22.088Z	0.187160727	1.090909091	42.19	0
2022-08-23T21:56:21.115Z	0.181176	0.383333333	42.17166667	0
2022-08-23T21:58:20.142Z	0.183996	0.9	42.15916667	0
2022-08-23T22:00:19.169Z	0.182904	0.75	42.1475	0

2022-08-23T22:02:18.196Z	0.18444	0.8833333333	42.15	0
2022-08-24T20:51:06.826Z	0.000288	-1.9	28.38	1
2022-08-24T20:53:05.853Z	0.000072	-1.45	28.5075	1



Interval Report

Interval Start Date: Monday, August 22nd, 2022, 3:20 PM MDT

Interval End Date: Tuesday, August 23rd, 2022, 4:13 PM MDT

Device: VB100-0035

Well Licensee: NMOCD

Well Name: Twin Lakes SA 61

UWI: 30-005-60920

Well License Number: 30-005-60920

Surface Location: Private

Bottom Hole Location: Unknown

Test Operator: SOS

Authorized By: NMOCD

Test Reason: IIJA PRE PLUG

Scope Of Work: 12 hour

AFE Number: NMOCD038AA/APWS22.001

GPS: 33.56830,-104.01942

Notes: GTG

Flow Test

Average Flowrate

0.15

m3/d

0.01

g/ hour

Average Flow
Temperature

25.6

°C

Average Flow
Pressure

-1.4

kPag

Flow Duration

24.7

hours

Pressure Test

Maximum Shut-In Pressure

--

Last 24Hr Average Shut-In
Pressure

--

*Displays after 24hrs of stabilized shut-in pressure

Extrapolated Shut-In Pressure

--

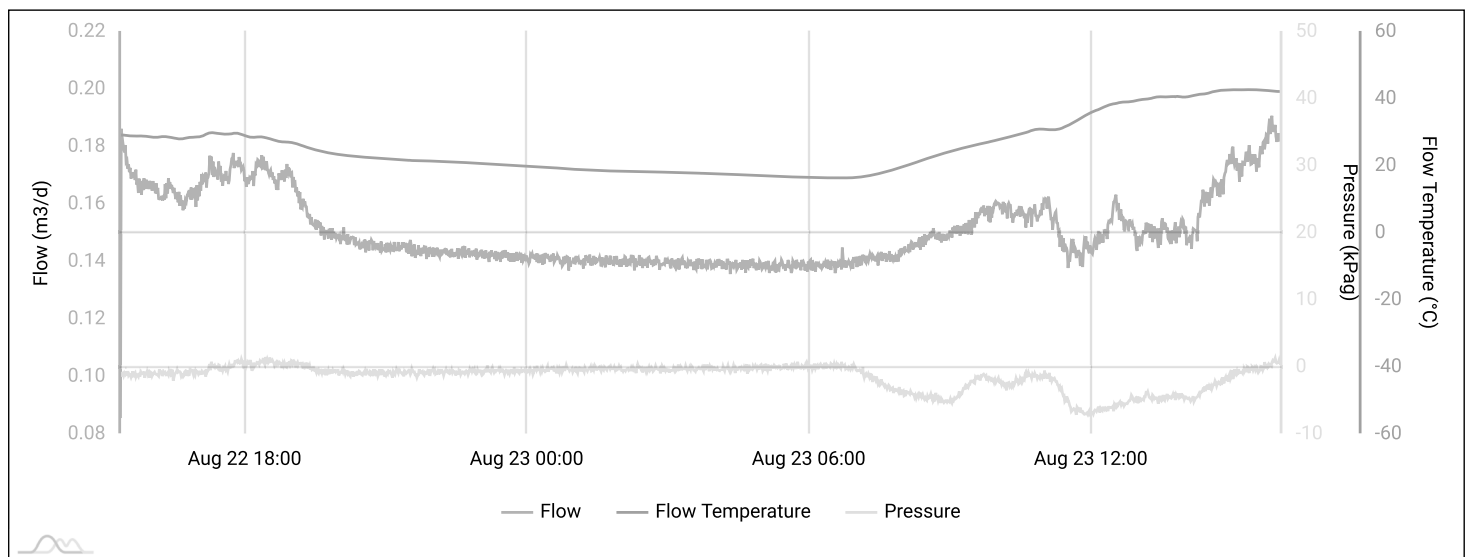
*Only valid for an unstable shut-in pressure

Shut-in Pressure Duration

0.0

hours

Flow/Pressure/Temperature Timeseries



Data Retention Time:

Testing data shall be stored on this web platform for a period of 6-months. It is strongly recommended that the User download and store the electronic PDF reports and CSV Data into their own database, immediately upon viewing.

Ventbuster Instruments Inc. Disclaimer:

The Ventbuster® is a high precision low flow vent gas meter. As it is deployed into testing conditions beyond our control, we are not liable for, or make warranties, as to the resultant test information. Any decisions or interpretations made from the test results are the sole responsibility and discretion of the User.

© 2022. All rights reserved.



www.permianls.com
575.397.3713 2609 W Marland Hobbs NM 88240

C6+ Gas Analysis Report

14809G	Twin Lakes #61-A	Twin Lakes #61-A	
Sample Point Code	Sample Point Name	Sample Point Location	
Laboratory Services	2022057500	Tedlar Bag	Stacy - Spot
Source Laboratory	Lab File No	Container Identity	Sampler
USA	USA	USA	New Mexico
District	Area Name	Field Name	Facility Name
Aug 23, 2022 16:07	Aug 23, 2022 16:07	Aug 30, 2022 10:33	Aug 30, 2022
Date Sampled	Date Effective	Date Received	Date Reported
System Administrator			
Ambient Temp (°F)	Flow Rate (Mcf)	Analyst	Press PSI @ Temp °F Source Conditions
Well Done Foundation		NG	
Operator		Lab Source Description	

Component	Mol %	GPM
H2S (H2S)	0.0000	
Nitrogen (N2)	98.5920	
CO2 (CO2)	0.0670	
Methane (C1)	0.2050	
Ethane (C2)	0.1370	0.0370
Propane (C3)	0.1990	0.0550
I-Butane (IC4)	0.0440	0.0140
N-Butane (NC4)	0.1490	0.0470
I-Pentane (IC5)	0.1040	0.0380
N-Pentane (NC5)	0.1080	0.0390
Hexanes Plus (C6+)	0.3950	0.1710
TOTAL	100.0000	0.4010

Method(s): Gas C6+ - GPA 2261, Extended Gas - GPA 2286, Calculations - GPA 2172

Gross Heating Values (Real, BTU/ft³)			
14.696 PSI @ 60.00 Å°F		14.73 PSI @ 60.00 Å°F	
Dry	Saturated	Dry	Saturated
44.7	44.8	44.8	44.9

Calculated Total Sample Properties	
GPA2145-16 *Calculated at Contract Conditions	
Relative Density Real	Relative Density Ideal
0.9820	0.9820
Molecular Weight	
28.4435	

C6+ Group Properties		
Assumed Composition		
C6 - 60.000%	C7 - 30.000%	C8 - 10.000%

Field H2S
0 PPM

PROTREND STATUS:

Passed By Validator on Aug 31, 2022

DATA SOURCE:

Imported

PASSED BY VALIDATOR REASON:

Close enough to be considered reasonable.

VALIDATOR:

Luis Cano

VALIDATOR COMMENTS:

ok

Source	Date	Notes
Brooke Rush	Aug 31, 2022 12:59 pm	Methane= 2,050 ppm



Weather in Roswell, August 22

August 22, 2022

	Atmospheric conditions and temperature °F	RealFeel °F	Atmospheric pressure inHg	Wind speed mph	Humidity
Night	 +70°	+72°	26.5	N 6.9	89%
Morning	 +68°	+68°	26.5	N 7.4	90%
Day	 +79°	+79°	26.6	NE 9.8	58%
Evening	 +77°	+77°	26.5	N 6	61%

Bio-meteorological forecast

Meteorological sensitivity index	3	Meteosensitive people are likely to experience weather-related symptoms.
Geomagnetic conditions	2	Solar activity may affect some sensitive people.
Influence of solar activity	4	Extreme risk of harm from unprotected sun exposure due to intense UV radiation, staying in shade during midday is recommended.

August 22, 2021

	Atmospheric conditions and temperature °F	RealFeel °F	Atmospheric pressure inHg	Wind speed mph	Humidity
Night	 +73°	+73°	26.4	S 9.6	81%
Morning	 +68°	+68°	26.4	S 6.5	84%

Cookies help us deliver our services. By using our services, you agree to our use of cookies [Ok](#)

		+68°					
Day		+91°	+100°	26.5	S 9.8	56%	
Evening		+84°	+84°	26.4	SW 7.2	46%	

Bio-meteorological forecast

Meteorological sensitivity index	2	Some meteosensitive people may feel mild symptoms due to the weather.
Geomagnetic conditions	1	Weak solar activity may affect some highly sensitive people.
Influence of solar activity	3	High risk of harm from unprotected sun exposure due to UV radiation.
Influence of the phases of the moon	1	Insomniacs may be affected by the full moon, resulting in tiredness during the day.

August 22, 2020

	Atmospheric conditions and temperature °F	RealFeel °F	Atmospheric pressure inHg	Wind speed mph	Humidity
Night	 +77°	+77°	26.4	SE 4.7	45%
Morning	 +68°	+68°	26.3	NE 4.3	58%
Day	 +97°	+97°	26.5	NE 4.5	25%
Evening	 +99°	+99°	26.4	S 7.6	16%

Bio-meteorological forecast

Cookies help us deliver our services. By using our services, you agree to our use of cookies [Ok](#)

Meteorological sensitivity index	3	Meteosensitive people are likely to experience weather-related symptoms.
Geomagnetic conditions	2	Solar activity may affect some sensitive people.
Influence of solar activity	4	Extreme risk of harm from unprotected sun exposure due to intense UV radiation, staying in shade during midday is recommended.



Weather in Roswell, August 23

August 23, 2022

	Atmospheric conditions and temperature °F	RealFeel °F	Atmospheric pressure inHg	Wind speed mph	Humidity
Night	 +70°	+70°	26.5	N 5.1	90%
Morning	 +66°	+66°	26.5	N 4.5	95%
Day	 +82°	+82°	26.5	NE 5.8	50%
Evening	 +84°	+86°	26.5	E 3.4	53%

Bio-meteorological forecast

Meteorological sensitivity index	2	Some meteosensitive people may feel mild symptoms due to the weather.
Geomagnetic conditions	1	Weak solar activity may affect some highly sensitive people.
Influence of solar activity	4	Extreme risk of harm from unprotected sun exposure due to intense UV radiation, staying in shade during midday is recommended.

August 23, 2021

	Atmospheric conditions and temperature °F	RealFeel °F	Atmospheric pressure inHg	Wind speed mph	Humidity
Night	 +73°	+73°	26.4	SE 5.1	79%
Morning	 +68°	+68°	26.5	SW 7.4	61%

Cookies help us deliver our services. By using our services, you agree to our use of cookies. [Ok](#)

		+68°					
Day		+93°	+95°	26.5	S 9.2	34%	
Evening		+86°	+86°	26.4	SW 8.9	41%	

Bio-meteorological forecast

Meteorological sensitivity index	2	Some meteosensitive people may feel mild symptoms due to the weather.
Geomagnetic conditions	1	Weak solar activity may affect some highly sensitive people.
Influence of solar activity	4	Extreme risk of harm from unprotected sun exposure due to intense UV radiation, staying in shade during midday is recommended.

August 23, 2020

	Atmospheric conditions and temperature °F	RealFeel °F	Atmospheric pressure inHg	Wind speed mph	Humidity
Night	 +81°	+81°	26.4	S 11.6	40%
Morning	 +70°	+70°	26.4	NE 6.3	54%
Day	 +97°	+97°	26.5	S 8.3	25%
Evening	 +95°	+95°	26.5	SE 10.3	20%

Bio-meteorological forecast

Meteorological sensitivity index	2	Some meteosensitive people may feel mild symptoms due to the weather.
Cookies help us deliver our services. By using our services, you agree to our use of cookies		
Ok		

Geomagnetic conditions	1	Weak solar activity may affect some highly sensitive people.
Influence of solar activity	4	Extreme risk of harm from unprotected sun exposure due to intense UV radiation, staying in shade during midday is recommended.

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 154784

CONDITIONS

Operator: BLUE SKY NM, INC. 7941 Katy Freeway Houston, TX 77024	OGRID: 300825
	Action Number: 154784
	Action Type: [IM-SD] Well File Support Doc (ENV) (IM-BWF)

CONDITIONS

Created By	Condition	Condition Date
jgriswold	None	10/28/2022