



P.O. Box 10640 Bozeman, Montana 59719

(406) 460-0903

TO: Randy Pancheco, APWS; Jim Griswold, NMOCD

FROM: Curtis Shuck, Chairman

DATE: November 4, 2022

RE: Inbe 13 #001 (30-025-37840) 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 in Lea County, NM.

The site conditions found at Inbe 13 #001 by the WDF Measure 1 Field Team on October 29, 2022, at 12:49 P.M. revealed a severely 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 2.0-hour Methane Emissions Flow Monitoring Test using Ventbuster™ Instruments VB100-029 Ultra-Low Flow Meter with GPS for site location verification.

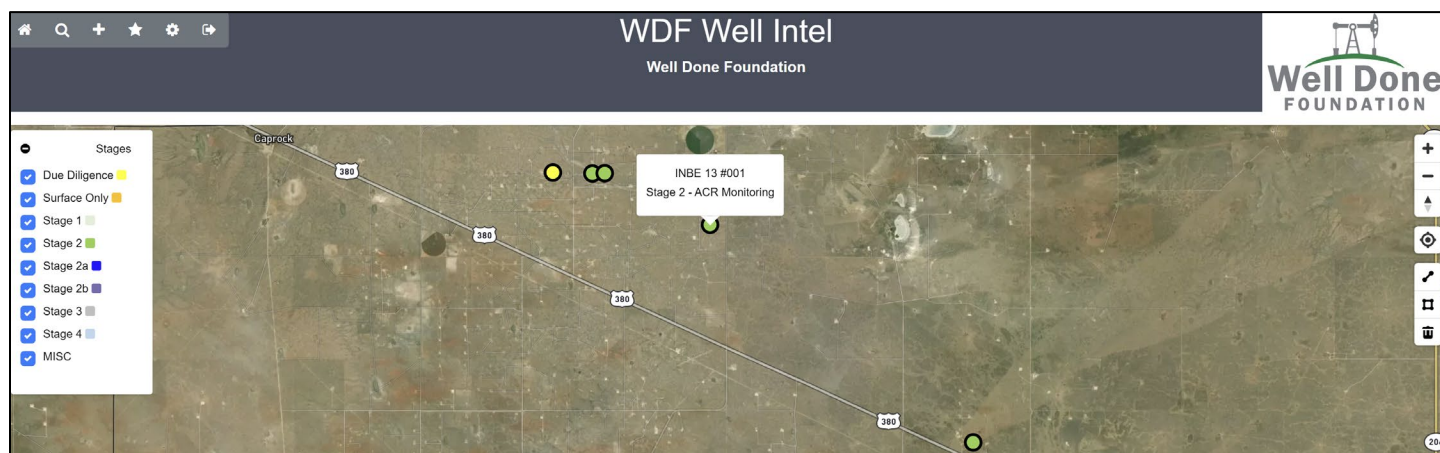


Image 1.1 – Lea County Field

The findings from the Pre-Plugging Methane Flow Monitoring Test, using Ventbuster™ Instruments VB100-0029 Ultra-Low Flow Meter with GPS, resulted in 339.86 cubic meters per day of total measured wellhead emissions over the 2.0-hour period. A composite gas sample was collected at the wellhead by WDF during the flow test beginning on October 29, 2022, and at the end of the flow test on October 29, 2022, approximately 2.0-hours later. Methane gas concentration levels were measured at 773,650 ppm, pursuant to Test ID 2022059559 performed by Laboratory Services of Hobbs, NM on October 29, 2022, at 12:49 P.M. Therefore, the adjusted average methane gas emission measured at this wellhead is calculated at **9,156.01 grams per hour (g/hour)**.¹ The peak methane gas emission was recorded at 12:52 P.M. on October 29, 2022 and would indicate that this orphan well has a much higher emission rate potential of **12,858.06 grams per hour (g/hour) or greater**. During the scope of this test, the Inbe 13 #001 did achieve a "Normalized Flow" at approximately 1:44 P.M.

¹ Methane Calculation: 554 grams CH₄ per cubic meter (554 x 512.70 = 284,036 g/day total /24 = 11,834.8 g/hour x 0.670960 (methane concentration) = **9,156.01 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 clearly exceeds 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.



Test Report

Start Date: Saturday, October 29th, 2022, 12:49 PM MDT

End Date: Saturday, October 29th, 2022, 2:49 PM MDT

Device: VB100-0029

Well Licensee: NMOCD

Well Name: inbe 13 -001

UWI: 30-035-37840 **30-025-37840**

Well License Number: ~~30-035-37840~~ **30-025-37840**

Surface Location: private

Bottom Hole Location: unknown

Test Operator: fv

Authorized By: NMOCD

Test Reason: IJJA PRE PLUG

Scope Of Work: 12-Hour

AFE Number: NMOCD038A

GPS: 33.36749;-103.56411

Notes: Unknown

Flow Test

Average Flowrate

512.70

m3/d

9,156.01

g/ hour

Average Flow

Temperature

17.1

°C

Average Flow

Pressure

0.4

kPag

Flow Duration

2.0

hours

Image 2.1 – Inbe 13 #001 (30-025-37840) Methane Monitoring Dashboard

BACKGROUND

The Inbe 13 #001 (30-025-37840) Orphan Well is located West of Tatum, NM on the North side of U.S. Highway 380 in Lea County, NM at Latitude 33.367600, Longitude -103.5642471 was measured and monitored by the WDF Measure 1 Field Team on 10/29/2022 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).

Well Site

Info	Well File	Images	Well Data	Regulatory	Field Notes	Access	Remove Well
Name	INBE 13 #001						
Stage	Stage 2 - ACR Monitoring						⌵
GPS	33.367600		✓	-103.5642471		✓	
API #	30-025-37840						
Contract ID:	10000002000038AA / APWS22.001						

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

The WDF Measure 1 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 12:49 P.M MDT on 10.29.2022 as the well was being prepared for the Flow Measurement. Gas Sample #2 was collected in the same 1 Liter Tedlar Bag on 10.29.2022 before the Flow Test was concluded 2:49 P.M. MDT.

WDF rigged up the Ventbuster™ Instruments VB100-029 Continuous Ultra-Low Flow Meter with GPS for testing site confirmation for a minimum 2-Hour Methane Emission Test and began Test ID: 498a536a, 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 later in the afternoon on 10.29.2022 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 remained on location for the duration of the test on 10.29.2022 (approximately 2.0 hours) to closely monitor the Pre-Plugging Methane Emission Flow Test and rig the VB100-029 down and secure the wellhead as best as possible. A "Green Ribbon" was placed at the Wellhead indicating that WDF had concluded the Pre-Plugging Methane Flow testing.

TECHNICAL FINDINGS

Inbe 13 #001 (30-025-37840):

- **Total C1 through C6 Gas Concentration: 952,030 ppm**
- **Total Measured Wellhead Gas Emissions: 512.70 m3/day**
- **Methane Gas Concentration: 773,650 ppm**
- **Calculated Average Wellhead Methane Gas Emissions: 9,156.01 g/hour**
- **Peak Methane Flow Measured at: 12,858.06 g/hour**

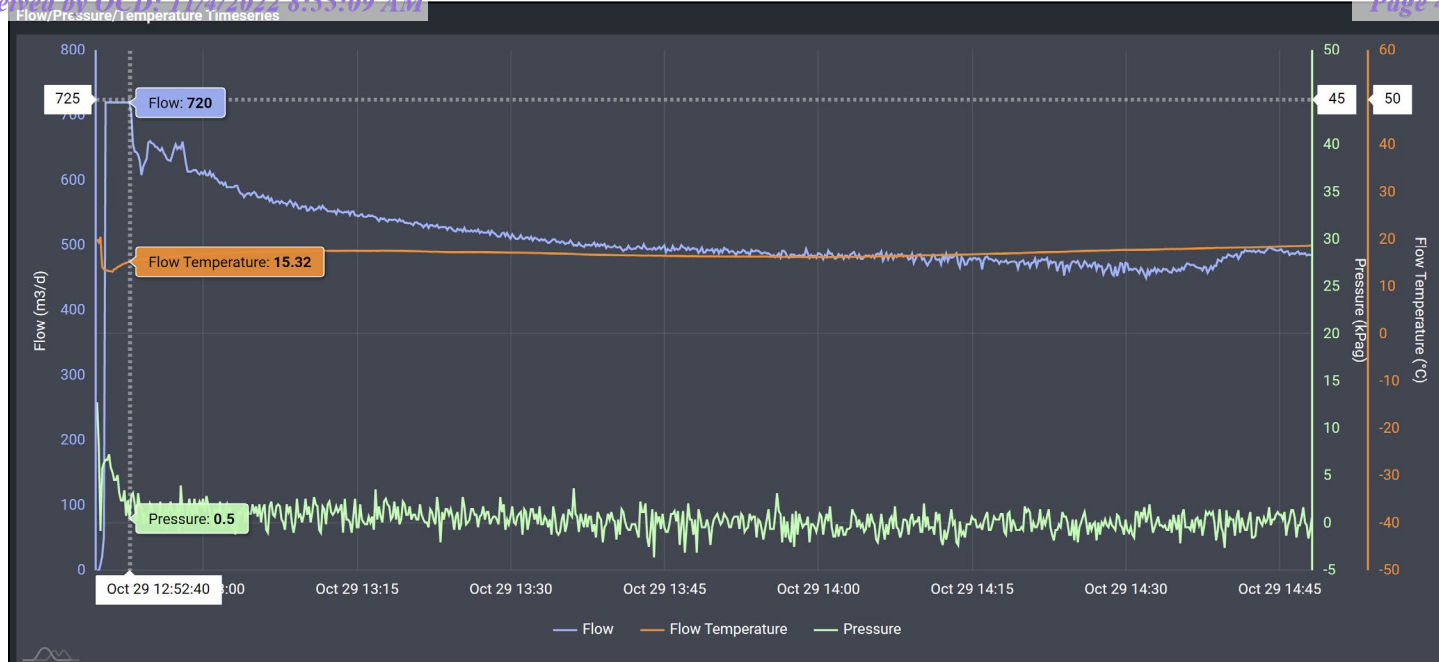


Image 4.1 – Inbe 13 #001 (30-025-37840) Methane Flow/Pressure/Temperature Timeseries & Peak Flow

CONCLUSIONS

- The Inbe 13 #001 (30-025-37840) is currently emitting Methane at the average rate of 9,156.01 g/hour, which is well above 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 720.0 m3/day recorded at 12:52 P.M on October 29, 2022, which indicates a much higher potential for Methane Emissions that exceed the Federal minimum threshold, therefore plugging of this well however should be a priority in the NMOCD schedule.

FIELD NOTES

#	Date	Note
1	2022-10-29	WDF Measure 1 - Dave and Francis arrive at location. Phot document the well location and wellhead. Collect Gas Sample using Tedlar Bag for Lab analysis. Rig up VB100-029 for 2.0-Hour IJA Pre Plugging Methane Gas Flow Test. Standby and monitor the well during the flow test to verify normalized flow. Complete test and verify good data transmission. Rig down VB100-029. Secure Well Location.

Image 4.2 – Inbe 13 #001 (30-025-37840) Field Notes from WDF Well Intel™ Orphan Well Project Management IoT



1) Inbe #001 (30-025-37840) – North Facing



2) Inbe #001 (30-025-37840) – Wellhead - East Facing



3) Inbe #001 (30-025-37840) – Location & Well Sign



4) Inbe 13 #001 (30-025-37840) – Gas Sample

Well Done Foundation, Inc. / Ventbuster Test Data

Test ID: 635dc4b4e9b91e4c498a536a
 Start Date: Sat Oct 29 2022 18:49:28 GMT+0000 (Coordinated Universal Time)
 End Date: Sat Oct 29 2022 20:49:04 GMT+0000 (Coordinated Universal Time)
 Device: VB100-0029
 Well Owner: Well Done Foundation Inc.
 Service Provider: Well Done Foundation Inc.
 Well Licensee: NMOCD
 Well Name: inbe 13 -001
 UWI: 30-035-37840
 Well License Number: 30-035-37840
 Surface Location: private
 Bottom Hole Location: unknown
 Test Operator: fv
 Authorized By: NMOCD
 Test Reason: IJJA PRE PLUG
 Scope of Work: 12-Hour
 AFE Number: NMOCD038A
 GPS: 33.36749 -103.56411
 Notes: Unknown
 Field Notes:

time	Flow_m3_per_day	Pressure_kPag	Flow_Temperature_C	Shut_in_Status_Mode
2022-10-29T18:49:32.983Z	0	12.8	20.09	1
2022-10-29T18:49:42.949Z	0.001872	8.2	19.47	0
2022-10-29T18:49:52.915Z	8.929728	-0.8	20.57	0
2022-10-29T18:50:02.881Z	22.480848	5.8	14.28	0
2022-10-29T18:50:12.847Z	51.248448	6.4	13.72	0
2022-10-29T18:50:22.813Z	720	6.7	13.56	0
2022-10-29T18:50:32.779Z	720	6.7	13.47	0
2022-10-29T18:50:42.745Z	720	7.3	13.34	0
2022-10-29T18:50:52.711Z	720	5.9	13.32	0
2022-10-29T18:51:02.677Z	720	5.4	13.24	0
2022-10-29T18:51:12.643Z	720	4.6	13.75	0
2022-10-29T18:51:22.609Z	720	4.6	13.83	0
2022-10-29T18:51:32.575Z	720	5.1	14.21	0
2022-10-29T18:51:42.541Z	720	3.2	14.35	0
2022-10-29T18:51:52.507Z	720	2.4	14.59	0
2022-10-29T18:52:02.473Z	720	2.4	14.78	0
2022-10-29T18:52:12.439Z	720	3.5	14.94	0
2022-10-29T18:52:22.405Z	720	0.8	15.05	0
2022-10-29T18:52:32.371Z	720	2.4	15.18	0
2022-10-29T18:52:42.337Z	720	0.5	15.32	0
2022-10-29T18:52:52.303Z	703.818864	2.9	15.4	0
2022-10-29T18:53:02.269Z	656.4168	3.2	15.48	0
2022-10-29T18:53:12.235Z	644.899536	2.1	15.53	0
2022-10-29T18:53:22.201Z	643.736304	0.2	15.6	0
2022-10-29T18:53:32.167Z	639.890496	3.2	15.68	0
2022-10-29T18:53:42.133Z	630.44352	1.8	15.73	0
2022-10-29T18:53:52.099Z	608.319504	1.8	15.8	0
2022-10-29T18:54:02.065Z	621.589824	-0.1	15.83	0
2022-10-29T18:54:12.031Z	627.489936	1	15.88	0
2022-10-29T18:54:21.997Z	633.561264	0.2	15.94	0
2022-10-29T18:54:31.963Z	658.444896	0.2	15.98	0
2022-10-29T18:54:41.929Z	660.83112	2.1	16.04	0
2022-10-29T18:54:51.895Z	657.332352	1.8	16.08	0
2022-10-29T18:55:01.861Z	656.71272	0.4	16.12	0
2022-10-29T18:55:11.827Z	652.264128	0.2	16.15	0
2022-10-29T18:55:21.793Z	651.51144	1	16.21	0
2022-10-29T18:55:31.759Z	648.213408	-0.1	16.26	0
2022-10-29T18:55:41.725Z	645.857568	2.3	16.27	0
2022-10-29T18:55:51.691Z	649.756656	-0.4	16.3	0

2022-10-29T18:56:01.657Z	642.378816	0.4	16.32	0
2022-10-29T18:56:11.623Z	638.756064	1.8	16.35	0
2022-10-29T18:56:21.589Z	632.405808	-0.6	16.39	0
2022-10-29T18:56:31.555Z	631.166688	1.3	16.4	0
2022-10-29T18:56:41.521Z	630.197424	2.3	16.42	0
2022-10-29T18:56:51.487Z	639.063648	1.3	16.45	0
2022-10-29T18:57:01.453Z	647.994096	0.2	16.48	0
2022-10-29T18:57:11.419Z	655.749504	1.2	16.52	0
2022-10-29T18:57:21.385Z	648.523152	2.1	16.53	0
2022-10-29T18:57:31.351Z	651.897792	-0.9	16.54	0
2022-10-29T18:57:41.317Z	649.116288	4	16.57	0
2022-10-29T18:57:51.283Z	660.111552	1.5	16.6	0
2022-10-29T18:58:01.249Z	644.131008	-0.1	16.67	0
2022-10-29T18:58:11.215Z	626.880816	0.2	16.71	0
2022-10-29T18:58:21.181Z	614.206224	1.2	16.73	0
2022-10-29T18:58:31.147Z	613.77624	2.6	16.74	0
2022-10-29T18:58:41.113Z	613.962	1.2	16.77	0
2022-10-29T18:58:51.079Z	615.696912	1	16.8	0
2022-10-29T18:59:01.045Z	616.43232	2.6	16.84	0
2022-10-29T18:59:15.994Z	616.116528	1	16.87	0
2022-10-29T18:59:25.960Z	611.563392	1.8	16.87	0
2022-10-29T18:59:35.926Z	609.489936	2.3	16.91	0
2022-10-29T18:59:45.892Z	612.927936	1.8	16.93	0
2022-10-29T18:59:55.858Z	610.133472	2.6	16.95	0
2022-10-29T19:00:05.824Z	614.43648	1.2	16.98	0
2022-10-29T19:00:15.790Z	608.021856	2.9	16.97	0
2022-10-29T19:00:25.756Z	607.918608	2	17	0
2022-10-29T19:00:35.722Z	613.924128	1	17.03	0
2022-10-29T19:00:45.688Z	606.399552	0.1	17.05	0
2022-10-29T19:00:55.654Z	609.706512	-0.4	17.07	0
2022-10-29T19:01:05.620Z	603.560448	1.5	17.1	0
2022-10-29T19:01:15.586Z	602.961408	1.2	17.1	0
2022-10-29T19:01:25.552Z	598.893984	1.2	17.11	0
2022-10-29T19:01:35.518Z	595.79928	2.3	17.11	0
2022-10-29T19:01:45.484Z	597.388032	-0.4	17.13	0
2022-10-29T19:01:55.450Z	593.356896	-0.4	17.16	0
2022-10-29T19:02:05.416Z	596.73168	1.5	17.15	0
2022-10-29T19:02:15.382Z	589.499136	2	17.18	0
2022-10-29T19:02:25.348Z	590.000976	1	17.17	0
2022-10-29T19:02:35.314Z	590.01192	1.8	17.18	0
2022-10-29T19:02:45.280Z	589.65192	-0.4	17.21	0
2022-10-29T19:02:55.246Z	590.023008	-0.1	17.21	0
2022-10-29T19:03:05.212Z	592.179984	-1.2	17.23	0
2022-10-29T19:03:15.178Z	592.223904	0.1	17.25	0
2022-10-29T19:03:25.144Z	584.538624	1.2	17.27	0
2022-10-29T19:03:35.110Z	579.993696	1	17.27	0
2022-10-29T19:03:45.076Z	579.367152	1.5	17.28	0
2022-10-29T19:03:55.042Z	574.613136	1.8	17.32	0
2022-10-29T19:04:05.008Z	578.265408	0.1	17.29	0
2022-10-29T19:04:14.974Z	580.153536	1.5	17.33	0
2022-10-29T19:04:24.940Z	580.355568	1	17.31	0
2022-10-29T19:04:34.906Z	577.695024	1	17.33	0
2022-10-29T19:04:44.872Z	580.696416	2	17.36	0
2022-10-29T19:04:54.838Z	582.500304	1	17.36	0
2022-10-29T19:05:04.804Z	579.537504	1.8	17.35	0
2022-10-29T19:05:14.770Z	574.666128	0.7	17.37	0
2022-10-29T19:05:24.736Z	574.184448	2	17.36	0
2022-10-29T19:05:34.702Z	574.634736	0.1	17.37	0
2022-10-29T19:05:44.668Z	577.642608	1.5	17.38	0
2022-10-29T19:05:54.634Z	573.6204	2	17.39	0
2022-10-29T19:06:04.600Z	572.338224	-0.7	17.41	0

2022-10-29T19:06:14.566Z	575.421552	-1	17.42	0
2022-10-29T19:06:24.532Z	568.765152	1.8	17.4	0
2022-10-29T19:06:34.498Z	572.442336	2.3	17.41	0
2022-10-29T19:06:44.464Z	565.932672	0.9	17.45	0
2022-10-29T19:06:54.430Z	565.728336	0.7	17.45	0
2022-10-29T19:07:04.396Z	568.312992	1.8	17.47	0
2022-10-29T19:07:14.362Z	568.292256	2	17.46	0
2022-10-29T19:07:24.328Z	564.942528	1.8	17.46	0
2022-10-29T19:07:34.294Z	568.508976	0.4	17.5	0
2022-10-29T19:07:44.260Z	565.667712	0.1	17.49	0
2022-10-29T19:07:54.226Z	565.382016	-0.7	17.51	0
2022-10-29T19:08:04.192Z	562.190688	2	17.5	0
2022-10-29T19:08:14.158Z	565.974576	1.2	17.51	0
2022-10-29T19:08:24.124Z	569.426832	1.8	17.53	0
2022-10-29T19:08:34.090Z	565.270272	0.1	17.54	0
2022-10-29T19:08:44.056Z	560.304576	-1	17.54	0
2022-10-29T19:08:54.022Z	565.790976	0.1	17.54	0
2022-10-29T19:09:03.988Z	562.434768	2.6	17.56	0
2022-10-29T19:09:13.954Z	556.939584	0.7	17.55	0
2022-10-29T19:09:23.920Z	556.78032	0.9	17.56	0
2022-10-29T19:09:33.886Z	560.455776	0.1	17.55	0
2022-10-29T19:09:43.852Z	559.752336	0.9	17.58	0
2022-10-29T19:09:53.818Z	560.486592	2.6	17.58	0
2022-10-29T19:10:03.784Z	553.814208	0.9	17.58	0
2022-10-29T19:10:13.750Z	554.575392	1.8	17.56	0
2022-10-29T19:10:23.716Z	559.210608	0.1	17.6	0
2022-10-29T19:10:33.682Z	557.908992	1.2	17.61	0
2022-10-29T19:10:43.648Z	554.131728	2.8	17.63	0
2022-10-29T19:10:53.614Z	555.657408	2	17.61	0
2022-10-29T19:11:03.580Z	557.071056	1.8	17.64	0
2022-10-29T19:11:13.546Z	560.175552	-0.7	17.64	0
2022-10-29T19:11:23.512Z	556.453152	-1	17.63	0
2022-10-29T19:11:33.478Z	561.021552	1.8	17.64	0
2022-10-29T19:11:43.444Z	557.440272	1.5	17.65	0
2022-10-29T19:11:53.410Z	555.787152	-0.1	17.64	0
2022-10-29T19:12:03.376Z	552.956976	2	17.63	0
2022-10-29T19:12:13.342Z	552.898368	2.3	17.65	0
2022-10-29T19:12:23.308Z	552.927168	1.2	17.62	0
2022-10-29T19:12:33.274Z	552.130416	0.9	17.64	0
2022-10-29T19:12:43.240Z	553.361328	1.2	17.63	0
2022-10-29T19:12:53.206Z	548.725392	1.8	17.63	0
2022-10-29T19:13:03.172Z	555.002784	1.2	17.62	0
2022-10-29T19:13:13.138Z	552.5532	1.5	17.63	0
2022-10-29T19:13:23.104Z	551.570544	2	17.64	0
2022-10-29T19:13:33.070Z	550.502208	-1	17.64	0
2022-10-29T19:13:43.036Z	551.82528	2.6	17.62	0
2022-10-29T19:13:53.002Z	551.07072	0.4	17.66	0
2022-10-29T19:14:02.968Z	552.6324	0.4	17.65	0
2022-10-29T19:14:12.934Z	547.23024	0.1	17.66	0
2022-10-29T19:14:22.900Z	552.41568	-1	17.64	0
2022-10-29T19:14:32.866Z	552.60288	0.7	17.65	0
2022-10-29T19:14:42.832Z	546.71616	2.6	17.64	0
2022-10-29T19:14:52.798Z	546.580368	-0.4	17.63	0
2022-10-29T19:15:02.764Z	545.112864	-0.4	17.63	0
2022-10-29T19:15:12.730Z	547.084224	2	17.64	0
2022-10-29T19:15:22.696Z	548.540784	0.4	17.64	0
2022-10-29T19:15:32.662Z	544.2948	0.1	17.63	0
2022-10-29T19:15:42.628Z	544.14144	-0.1	17.64	0
2022-10-29T19:15:52.594Z	544.70808	-0.1	17.62	0
2022-10-29T19:16:02.560Z	546.889824	0.7	17.62	0
2022-10-29T19:16:12.526Z	545.372064	0.1	17.6	0

2022-10-29T19:16:22.492Z	546.347952	0.7	17.62	0
2022-10-29T19:16:32.458Z	544.112928	-0.7	17.65	0
2022-10-29T19:16:42.424Z	544.160304	3.6	17.63	0
2022-10-29T19:16:52.390Z	540.774864	0.4	17.61	0
2022-10-29T19:17:02.356Z	537.669216	1.8	17.63	0
2022-10-29T19:17:12.322Z	542.177712	0.7	17.65	0
2022-10-29T19:17:22.288Z	540.368352	0.1	17.67	0
2022-10-29T19:17:32.254Z	541.643328	2.3	17.65	0
2022-10-29T19:17:42.220Z	538.81272	2.6	17.65	0
2022-10-29T19:17:52.186Z	537.010848	2	17.65	0
2022-10-29T19:18:02.152Z	540.035136	1.8	17.65	0
2022-10-29T19:18:12.118Z	539.484912	0.4	17.65	0
2022-10-29T19:18:22.084Z	539.171568	0.7	17.63	0
2022-10-29T19:18:32.050Z	540.138816	2.3	17.63	0
2022-10-29T19:18:42.016Z	538.99128	0.4	17.62	0
2022-10-29T19:18:51.982Z	536.877792	1.8	17.62	0
2022-10-29T19:19:01.948Z	540.338256	-0.1	17.63	0
2022-10-29T19:19:11.914Z	537.480288	0.4	17.62	0
2022-10-29T19:19:21.880Z	538.291584	2.3	17.62	0
2022-10-29T19:19:31.846Z	535.272768	2	17.61	0
2022-10-29T19:19:41.812Z	535.094496	0.9	17.6	0
2022-10-29T19:19:51.778Z	534.243168	0.9	17.58	0
2022-10-29T19:20:01.744Z	534.495744	1.8	17.59	0
2022-10-29T19:20:11.710Z	533.544336	0.4	17.59	0
2022-10-29T19:20:21.676Z	531.443808	0.9	17.55	0
2022-10-29T19:20:31.642Z	535.345344	0.9	17.56	0
2022-10-29T19:20:41.608Z	535.963104	0.4	17.54	0
2022-10-29T19:20:51.574Z	533.8116	0.4	17.53	0
2022-10-29T19:21:01.540Z	533.19744	2	17.54	0
2022-10-29T19:21:11.506Z	531.533232	0.9	17.49	0
2022-10-29T19:21:21.472Z	528.005376	0.4	17.49	0
2022-10-29T19:21:31.438Z	531.025488	0.1	17.51	0
2022-10-29T19:21:41.404Z	532.92456	0.1	17.48	0
2022-10-29T19:21:51.370Z	527.207904	-0.4	17.47	0
2022-10-29T19:22:01.336Z	531.420048	1.5	17.45	0
2022-10-29T19:22:11.302Z	531.605232	1.2	17.45	0
2022-10-29T19:22:21.268Z	529.665696	0.4	17.45	0
2022-10-29T19:22:31.234Z	529.545456	-0.1	17.44	0
2022-10-29T19:22:41.200Z	531.910944	2.8	17.45	0
2022-10-29T19:22:51.166Z	527.315328	1.2	17.43	0
2022-10-29T19:23:01.132Z	528.450624	-2	17.42	0
2022-10-29T19:23:11.098Z	528.367392	1.2	17.41	0
2022-10-29T19:23:21.064Z	528.641568	0.4	17.39	0
2022-10-29T19:23:31.030Z	528.43896	1.5	17.38	0
2022-10-29T19:23:45.979Z	524.397168	1.5	17.36	0
2022-10-29T19:23:55.945Z	528.127056	0.9	17.38	0
2022-10-29T19:24:05.911Z	527.914368	1.5	17.35	0
2022-10-29T19:24:15.877Z	524.959632	0.7	17.36	0
2022-10-29T19:24:25.843Z	522.633312	-0.7	17.35	0
2022-10-29T19:24:35.809Z	521.680176	0.7	17.37	0
2022-10-29T19:24:45.775Z	525.859344	1.2	17.35	0
2022-10-29T19:24:55.741Z	523.962288	-0.7	17.36	0
2022-10-29T19:25:05.707Z	524.948688	-0.1	17.33	0
2022-10-29T19:25:15.673Z	521.670528	2.8	17.36	0
2022-10-29T19:25:25.639Z	527.337792	1.8	17.35	0
2022-10-29T19:25:35.605Z	521.707248	-0.1	17.37	0
2022-10-29T19:25:45.571Z	522.7776	0.1	17.35	0
2022-10-29T19:25:55.537Z	521.698896	0.4	17.38	0
2022-10-29T19:26:05.503Z	523.63656	1.5	17.36	0
2022-10-29T19:26:15.469Z	521.282016	1.5	17.33	0
2022-10-29T19:26:25.435Z	523.41048	0.9	17.36	0

2022-10-29T19:26:35.401Z	521.527392	0.9	17.37	0
2022-10-29T19:26:45.367Z	524.76912	-0.4	17.36	0
2022-10-29T19:26:55.333Z	519.315552	0.7	17.38	0
2022-10-29T19:27:05.299Z	521.788176	0.9	17.37	0
2022-10-29T19:27:15.265Z	519.956928	1.8	17.35	0
2022-10-29T19:27:25.231Z	520.207488	0.4	17.35	0
2022-10-29T19:27:35.197Z	519.589584	1.2	17.34	0
2022-10-29T19:27:45.163Z	522.34344	1.2	17.33	0
2022-10-29T19:27:55.129Z	516.901392	-0.1	17.33	0
2022-10-29T19:28:05.095Z	522.85752	0.4	17.33	0
2022-10-29T19:28:15.061Z	519.372288	0.7	17.3	0
2022-10-29T19:28:25.027Z	518.160816	0.7	17.31	0
2022-10-29T19:28:34.993Z	515.043072	0.4	17.3	0
2022-10-29T19:28:44.959Z	513.329184	-0.1	17.3	0
2022-10-29T19:28:54.925Z	513.915408	2.8	17.28	0
2022-10-29T19:29:04.891Z	518.755968	1.2	17.29	0
2022-10-29T19:29:14.857Z	520.012944	2	17.26	0
2022-10-29T19:29:24.823Z	514.582848	-0.7	17.27	0
2022-10-29T19:29:34.789Z	519.316416	0.4	17.27	0
2022-10-29T19:29:44.755Z	514.00872	-0.1	17.24	0
2022-10-29T19:29:54.721Z	510.688944	0.7	17.26	0
2022-10-29T19:30:04.687Z	517.195872	1.8	17.24	0
2022-10-29T19:30:14.653Z	513.82512	0.1	17.25	0
2022-10-29T19:30:24.619Z	510.58368	-0.1	17.25	0
2022-10-29T19:30:34.585Z	509.97312	0.7	17.22	0
2022-10-29T19:30:44.551Z	511.558848	1	17.25	0
2022-10-29T19:30:54.517Z	515.876688	1.2	17.24	0
2022-10-29T19:31:04.483Z	510.850656	-1.2	17.22	0
2022-10-29T19:31:14.449Z	510.209136	1.5	17.24	0
2022-10-29T19:31:24.415Z	512.342928	1.2	17.23	0
2022-10-29T19:31:34.381Z	512.605152	-0.7	17.23	0
2022-10-29T19:31:44.347Z	509.883696	0.4	17.19	0
2022-10-29T19:31:54.313Z	513.329616	1.5	17.2	0
2022-10-29T19:32:04.279Z	507.817728	1.5	17.2	0
2022-10-29T19:32:14.245Z	511.955136	0.4	17.19	0
2022-10-29T19:32:24.211Z	511.37064	1	17.19	0
2022-10-29T19:32:34.177Z	509.257728	-0.1	17.17	0
2022-10-29T19:32:44.143Z	507.599424	1.8	17.17	0
2022-10-29T19:32:54.109Z	510.00336	-0.1	17.17	0
2022-10-29T19:33:04.075Z	508.07088	-0.1	17.14	0
2022-10-29T19:33:14.041Z	509.619024	0.7	17.14	0
2022-10-29T19:33:24.007Z	506.624688	0.4	17.14	0
2022-10-29T19:33:33.973Z	504.38664	-0.4	17.1	0
2022-10-29T19:33:43.939Z	504.93312	0.4	17.1	0
2022-10-29T19:33:53.905Z	507.58344	-1.2	17.09	0
2022-10-29T19:34:03.871Z	509.758992	1.8	17.06	0
2022-10-29T19:34:13.837Z	509.466096	0.7	17.08	0
2022-10-29T19:34:23.803Z	505.580256	-0.9	17.07	0
2022-10-29T19:34:33.769Z	506.06568	-1.2	17.04	0
2022-10-29T19:34:43.735Z	504.269856	-0.9	17.04	0
2022-10-29T19:34:53.701Z	506.357424	0.4	17.04	0
2022-10-29T19:35:03.667Z	505.430784	1	17.03	0
2022-10-29T19:35:13.633Z	502.424496	-0.9	17.04	0
2022-10-29T19:35:23.599Z	503.873712	-0.1	17	0
2022-10-29T19:35:33.565Z	503.676864	1.5	16.99	0
2022-10-29T19:35:43.531Z	507.788208	1	16.98	0
2022-10-29T19:35:53.497Z	504.238176	0.7	16.98	0
2022-10-29T19:36:03.463Z	500.118912	3.7	16.97	0
2022-10-29T19:36:13.429Z	501.035904	1	16.95	0
2022-10-29T19:36:23.395Z	499.837968	0.7	16.94	0
2022-10-29T19:36:33.361Z	504.395136	-0.9	16.93	0

2022-10-29T19:36:43.327Z	500.58432	1	16.91	0
2022-10-29T19:36:53.293Z	499.337712	0.2	16.9	0
2022-10-29T19:37:03.259Z	497.775744	-0.4	16.87	0
2022-10-29T19:37:13.225Z	501.80616	1	16.88	0
2022-10-29T19:37:23.191Z	500.671728	-0.4	16.86	0
2022-10-29T19:37:33.157Z	501.522624	0.7	16.84	0
2022-10-29T19:37:43.123Z	500.001408	0.7	16.82	0
2022-10-29T19:37:53.089Z	501.613344	-0.9	16.82	0
2022-10-29T19:38:03.055Z	504.648144	-0.1	16.82	0
2022-10-29T19:38:13.021Z	499.00968	-1.5	16.82	0
2022-10-29T19:38:22.987Z	502.55064	1.2	16.79	0
2022-10-29T19:38:32.953Z	499.033728	0.7	16.81	0
2022-10-29T19:38:42.919Z	502.015392	0.4	16.78	0
2022-10-29T19:38:52.885Z	500.360256	-2	16.79	0
2022-10-29T19:39:02.851Z	502.534656	-0.4	16.8	0
2022-10-29T19:39:12.817Z	496.214208	-0.1	16.78	0
2022-10-29T19:39:22.783Z	499.330368	1	16.76	0
2022-10-29T19:39:32.749Z	497.75472	0.4	16.76	0
2022-10-29T19:39:42.715Z	497.510064	1.2	16.74	0
2022-10-29T19:39:52.681Z	497.968704	0.4	16.73	0
2022-10-29T19:40:02.647Z	500.143968	0.2	16.74	0
2022-10-29T19:40:12.613Z	497.105712	-1.7	16.71	0
2022-10-29T19:40:22.579Z	497.182032	0.4	16.72	0
2022-10-29T19:40:32.545Z	498.210192	-1.2	16.72	0
2022-10-29T19:40:42.511Z	494.520192	1.5	16.7	0
2022-10-29T19:40:52.477Z	491.639184	1.2	16.72	0
2022-10-29T19:41:02.443Z	494.055936	0.2	16.69	0
2022-10-29T19:41:12.409Z	494.113824	-0.4	16.69	0
2022-10-29T19:41:22.375Z	499.723344	-0.7	16.67	0
2022-10-29T19:41:32.341Z	495.430704	-0.7	16.69	0
2022-10-29T19:41:42.307Z	494.171712	-0.1	16.69	0
2022-10-29T19:41:52.273Z	495.130896	-0.1	16.68	0
2022-10-29T19:42:02.239Z	494.890416	-0.1	16.68	0
2022-10-29T19:42:12.205Z	498.062016	-0.9	16.67	0
2022-10-29T19:42:22.171Z	498.925152	-1.5	16.67	0
2022-10-29T19:42:32.137Z	496.15704	2.3	16.65	0
2022-10-29T19:42:42.103Z	495.466128	1.2	16.64	0
2022-10-29T19:42:52.069Z	502.050096	1.2	16.64	0
2022-10-29T19:43:02.035Z	496.448352	2.1	16.65	0
2022-10-29T19:43:12.001Z	494.223264	-1.5	16.64	0
2022-10-29T19:43:21.967Z	494.54136	-2.5	16.67	0
2022-10-29T19:43:31.933Z	494.909136	-0.7	16.63	0
2022-10-29T19:43:41.899Z	493.793568	1.5	16.64	0
2022-10-29T19:43:51.865Z	496.737504	-3.6	16.63	0
2022-10-29T19:44:01.831Z	493.858368	1.2	16.63	0
2022-10-29T19:44:11.797Z	495.048816	0.2	16.62	0
2022-10-29T19:44:21.763Z	498.125376	0.7	16.64	0
2022-10-29T19:44:31.729Z	494.627472	-0.6	16.63	0
2022-10-29T19:44:41.695Z	497.360736	1	16.61	0
2022-10-29T19:44:51.661Z	500.380272	-0.4	16.6	0
2022-10-29T19:45:01.627Z	489.89808	-0.9	16.6	0
2022-10-29T19:45:11.593Z	494.662608	-0.9	16.58	0
2022-10-29T19:45:21.559Z	492.337152	-0.1	16.59	0
2022-10-29T19:45:31.525Z	492.115248	1	16.59	0
2022-10-29T19:45:41.491Z	499.43376	1	16.57	0
2022-10-29T19:45:51.457Z	493.362576	1.3	16.56	0
2022-10-29T19:46:01.423Z	495.190512	0.2	16.56	0
2022-10-29T19:46:11.389Z	493.749216	1.3	16.55	0
2022-10-29T19:46:21.355Z	494.791344	-2.3	16.55	0
2022-10-29T19:46:31.321Z	500.724864	-0.1	16.52	0
2022-10-29T19:46:41.287Z	497.442816	1.3	16.53	0

2022-10-29T19:46:51.253Z	496.182528	-3.1	16.52	0
2022-10-29T19:47:01.219Z	493.21728	-0.6	16.52	0
2022-10-29T19:47:11.185Z	496.97856	2.1	16.49	0
2022-10-29T19:47:21.151Z	493.338384	0.4	16.5	0
2022-10-29T19:47:31.117Z	494.806752	0.4	16.54	0
2022-10-29T19:47:41.083Z	495.854208	-1.2	16.49	0
2022-10-29T19:47:51.049Z	494.530848	0.4	16.52	0
2022-10-29T19:48:01.015Z	494.65944	-3.1	16.49	0
2022-10-29T19:48:15.964Z	488.881728	1.5	16.49	0
2022-10-29T19:48:25.930Z	492.074928	0.7	16.47	0
2022-10-29T19:48:30.913Z	496.809216	-0.4	16.47	0
2022-10-29T19:48:40.879Z	489.033504	-0.4	16.47	0
2022-10-29T19:48:50.845Z	489.678336	-0.4	16.48	0
2022-10-29T19:49:00.811Z	493.788384	0.4	16.47	0
2022-10-29T19:49:10.777Z	492.44616	-0.4	16.48	0
2022-10-29T19:49:20.743Z	492.387264	-2.3	16.47	0
2022-10-29T19:49:30.709Z	494.601408	-0.4	16.49	0
2022-10-29T19:49:40.675Z	489.104064	0.4	16.45	0
2022-10-29T19:49:50.641Z	493.802208	0.7	16.45	0
2022-10-29T19:50:00.607Z	494.129808	1	16.49	0
2022-10-29T19:50:15.556Z	488.074896	0.4	16.47	0
2022-10-29T19:50:25.522Z	493.01712	-0.1	16.44	0
2022-10-29T19:50:30.505Z	489.617136	0.2	16.45	0
2022-10-29T19:50:40.471Z	496.338768	1	16.44	0
2022-10-29T19:50:50.437Z	493.988256	0.7	16.42	0
2022-10-29T19:51:00.403Z	493.627536	0.4	16.44	0
2022-10-29T19:51:10.369Z	489.404016	-0.4	16.44	0
2022-10-29T19:51:20.335Z	491.011632	-0.4	16.43	0
2022-10-29T19:51:30.301Z	491.399424	0.4	16.45	0
2022-10-29T19:51:40.267Z	488.979216	0.7	16.43	0
2022-10-29T19:51:50.233Z	485.395488	0.7	16.43	0
2022-10-29T19:52:00.199Z	490.436208	0.7	16.41	0
2022-10-29T19:52:15.148Z	489.03624	-0.6	16.43	0
2022-10-29T19:52:25.114Z	489.647088	1	16.43	0
2022-10-29T19:52:30.097Z	493.058304	0.7	16.44	0
2022-10-29T19:52:40.063Z	491.880672	-0.9	16.43	0
2022-10-29T19:52:50.029Z	488.385936	-0.6	16.43	0
2022-10-29T19:53:04.978Z	489.35376	-0.4	16.43	0
2022-10-29T19:53:14.944Z	485.635536	1	16.42	0
2022-10-29T19:53:24.910Z	493.146432	0.4	16.42	0
2022-10-29T19:53:34.876Z	490.800096	0.7	16.44	0
2022-10-29T19:53:44.842Z	491.363856	0.7	16.43	0
2022-10-29T19:53:54.808Z	492.628752	-1.5	16.43	0
2022-10-29T19:54:04.774Z	491.838336	0.4	16.42	0
2022-10-29T19:54:14.740Z	489.893184	0.2	16.44	0
2022-10-29T19:54:24.706Z	487.56672	-0.6	16.43	0
2022-10-29T19:54:34.672Z	488.76912	-1.7	16.44	0
2022-10-29T19:54:44.638Z	489.314448	-0.6	16.44	0
2022-10-29T19:54:54.604Z	487.963872	0.4	16.43	0
2022-10-29T19:55:04.570Z	487.920672	1.5	16.41	0
2022-10-29T19:55:14.536Z	486.132192	-0.6	16.4	0
2022-10-29T19:55:24.502Z	483.459984	-0.6	16.41	0
2022-10-29T19:55:34.468Z	485.431488	-0.6	16.4	0
2022-10-29T19:55:44.434Z	482.479632	1	16.42	0
2022-10-29T19:55:54.400Z	484.92216	3.2	16.38	0
2022-10-29T19:56:04.366Z	487.951632	1.3	16.4	0
2022-10-29T19:56:14.332Z	481.883184	1	16.37	0
2022-10-29T19:56:24.298Z	491.921856	-2	16.37	0
2022-10-29T19:56:34.264Z	491.798736	0.7	16.37	0
2022-10-29T19:56:44.230Z	488.726928	-1.5	16.37	0
2022-10-29T19:56:54.196Z	483.18912	0.2	16.36	0

2022-10-29T19:57:04.162Z	481.420656	-1.5	16.36	0
2022-10-29T19:57:14.128Z	486.166896	-2	16.36	0
2022-10-29T19:57:24.094Z	486.096624	1	16.32	0
2022-10-29T19:57:34.060Z	485.914176	-2.5	16.34	0
2022-10-29T19:57:44.026Z	483.213024	1.3	16.36	0
2022-10-29T19:57:53.992Z	484.077024	-1.2	16.36	0
2022-10-29T19:58:03.958Z	485.287632	1	16.35	0
2022-10-29T19:58:13.924Z	483.739344	0.2	16.35	0
2022-10-29T19:58:23.890Z	485.685792	-0.4	16.32	0
2022-10-29T19:58:33.856Z	485.262144	-0.1	16.34	0
2022-10-29T19:58:43.822Z	494.779104	-0.1	16.33	0
2022-10-29T19:58:53.788Z	487.606608	0.7	16.31	0
2022-10-29T19:59:03.754Z	481.200336	-2	16.32	0
2022-10-29T19:59:13.720Z	485.695152	-0.1	16.33	0
2022-10-29T19:59:23.686Z	482.910336	-0.1	16.31	0
2022-10-29T19:59:33.652Z	484.608528	-0.4	16.32	0
2022-10-29T19:59:43.618Z	481.385952	-0.9	16.34	0
2022-10-29T19:59:53.584Z	488.212416	-0.1	16.35	0
2022-10-29T20:00:03.550Z	487.479888	1	16.33	0
2022-10-29T20:00:13.516Z	485.518032	0.7	16.33	0
2022-10-29T20:00:23.482Z	479.326032	-1.2	16.33	0
2022-10-29T20:00:33.448Z	485.357184	0.2	16.33	0
2022-10-29T20:00:43.414Z	482.315184	1	16.33	0
2022-10-29T20:00:53.380Z	491.990256	0.2	16.33	0
2022-10-29T20:01:03.346Z	487.513728	1.8	16.34	0
2022-10-29T20:01:13.312Z	487.7892	-0.4	16.34	0
2022-10-29T20:01:23.278Z	482.697792	-1.4	16.33	0
2022-10-29T20:01:33.244Z	480.046464	-1.4	16.34	0
2022-10-29T20:01:43.210Z	481.133232	-0.1	16.35	0
2022-10-29T20:01:53.176Z	486.756144	-1.4	16.36	0
2022-10-29T20:02:03.142Z	483.836832	-0.4	16.36	0
2022-10-29T20:02:13.108Z	485.562528	-0.4	16.36	0
2022-10-29T20:02:23.074Z	479.73312	-1.2	16.36	0
2022-10-29T20:02:33.040Z	484.750656	-1.2	16.36	0
2022-10-29T20:02:43.006Z	484.42176	-0.6	16.36	0
2022-10-29T20:02:52.972Z	481.110912	-0.6	16.36	0
2022-10-29T20:03:02.938Z	486.515232	-0.4	16.37	0
2022-10-29T20:03:12.904Z	487.979856	1.5	16.37	0
2022-10-29T20:03:22.870Z	490.113504	1	16.38	0
2022-10-29T20:03:32.836Z	484.81776	0.7	16.38	0
2022-10-29T20:03:42.802Z	480.931488	-0.4	16.38	0
2022-10-29T20:03:52.768Z	486.161568	0.4	16.38	0
2022-10-29T20:04:02.734Z	479.732544	-0.4	16.41	0
2022-10-29T20:04:12.700Z	479.478384	-0.1	16.4	0
2022-10-29T20:04:22.666Z	482.612256	-0.9	16.4	0
2022-10-29T20:04:32.632Z	484.886304	-0.6	16.41	0
2022-10-29T20:04:42.598Z	484.117632	1	16.42	0
2022-10-29T20:04:52.564Z	484.874496	-0.4	16.44	0
2022-10-29T20:05:02.530Z	482.134752	1	16.46	0
2022-10-29T20:05:12.496Z	484.918848	0.2	16.47	0
2022-10-29T20:05:22.462Z	481.18752	-0.1	16.45	0
2022-10-29T20:05:32.428Z	486.8172	-1.7	16.45	0
2022-10-29T20:05:42.394Z	487.506096	-2	16.46	0
2022-10-29T20:05:52.360Z	486.465984	-0.6	16.48	0
2022-10-29T20:06:02.326Z	490.879152	1	16.48	0
2022-10-29T20:06:12.292Z	476.880192	-0.4	16.48	0
2022-10-29T20:06:22.258Z	482.730048	-1.7	16.5	0
2022-10-29T20:06:32.224Z	488.234448	-0.1	16.51	0
2022-10-29T20:06:42.190Z	479.227536	-1.2	16.52	0
2022-10-29T20:06:52.156Z	485.406576	0.4	16.51	0
2022-10-29T20:07:02.122Z	487.18656	0.7	16.49	0

2022-10-29T20:07:12.088Z	479.470752	-0.6	16.51	0
2022-10-29T20:07:22.054Z	485.012736	1.8	16.51	0
2022-10-29T20:07:32.020Z	482.593536	-0.4	16.55	0
2022-10-29T20:07:41.986Z	486.359856	-0.6	16.53	0
2022-10-29T20:07:51.952Z	484.737264	-1.5	16.55	0
2022-10-29T20:08:01.918Z	487.042272	-0.9	16.56	0
2022-10-29T20:08:11.884Z	483.146784	0.4	16.57	0
2022-10-29T20:08:21.850Z	484.643664	0.4	16.57	0
2022-10-29T20:08:31.816Z	484.516656	0.2	16.58	0
2022-10-29T20:08:41.782Z	478.570608	-1.2	16.61	0
2022-10-29T20:08:51.748Z	480.08232	0.4	16.59	0
2022-10-29T20:09:01.714Z	487.177056	1	16.6	0
2022-10-29T20:09:11.680Z	473.223312	-0.1	16.59	0
2022-10-29T20:09:21.646Z	478.917072	0.2	16.61	0
2022-10-29T20:09:31.612Z	485.36928	0.2	16.65	0
2022-10-29T20:09:41.578Z	485.850672	0.7	16.64	0
2022-10-29T20:09:51.544Z	486.585792	-0.9	16.65	0
2022-10-29T20:10:01.510Z	478.517472	-0.9	16.68	0
2022-10-29T20:10:11.476Z	480.545856	2.1	16.68	0
2022-10-29T20:10:21.442Z	474.027696	-0.4	16.69	0
2022-10-29T20:10:31.408Z	469.571184	0.7	16.7	0
2022-10-29T20:10:41.374Z	474.083424	-0.6	16.7	0
2022-10-29T20:10:51.340Z	477.874368	-0.4	16.69	0
2022-10-29T20:11:01.306Z	485.739072	-0.4	16.71	0
2022-10-29T20:11:11.272Z	485.744544	-1.2	16.69	0
2022-10-29T20:11:21.238Z	478.89936	1.2	16.71	0
2022-10-29T20:11:31.204Z	478.250352	0.4	16.74	0
2022-10-29T20:11:41.170Z	479.273904	1	16.74	0
2022-10-29T20:11:51.136Z	471.464496	-1.7	16.75	0
2022-10-29T20:12:01.102Z	483.905088	-2.3	16.74	0
2022-10-29T20:12:11.068Z	478.055376	-0.7	16.75	0
2022-10-29T20:12:21.034Z	487.285488	-1.7	16.75	0
2022-10-29T20:12:31.000Z	476.090064	-0.9	16.75	0
2022-10-29T20:12:40.966Z	483.366528	0.2	16.78	0
2022-10-29T20:12:50.932Z	481.463136	1.5	16.78	0
2022-10-29T20:13:00.898Z	482.100336	-0.1	16.79	0
2022-10-29T20:13:10.864Z	484.890624	0.2	16.8	0
2022-10-29T20:13:20.830Z	487.989504	-2	16.81	0
2022-10-29T20:13:30.796Z	473.118048	-2.3	16.83	0
2022-10-29T20:13:40.762Z	466.479072	0.2	16.83	0
2022-10-29T20:13:50.728Z	482.226192	-1.2	16.84	0
2022-10-29T20:14:00.694Z	478.708272	-0.9	16.87	0
2022-10-29T20:14:10.660Z	470.176848	-1.5	16.87	0
2022-10-29T20:14:25.609Z	471.310848	-0.1	16.86	0
2022-10-29T20:14:30.592Z	477.876528	-0.1	16.88	0
2022-10-29T20:14:40.558Z	480.597408	-0.1	16.89	0
2022-10-29T20:14:50.524Z	477.737856	0.7	16.9	0
2022-10-29T20:15:00.490Z	481.01184	0.4	16.91	0
2022-10-29T20:15:10.456Z	480.926016	0.4	16.92	0
2022-10-29T20:15:20.422Z	478.598112	-0.4	16.93	0
2022-10-29T20:15:30.388Z	480.564144	-0.4	16.94	0
2022-10-29T20:15:40.354Z	477.956304	-0.1	16.95	0
2022-10-29T20:15:50.320Z	463.43304	-0.7	16.96	0
2022-10-29T20:16:00.286Z	477.533952	0.2	16.96	0
2022-10-29T20:16:15.235Z	482.13792	0.7	16.96	0
2022-10-29T20:16:20.218Z	483.200208	1.2	16.98	0
2022-10-29T20:16:30.184Z	479.076768	-0.7	16.98	0
2022-10-29T20:16:40.150Z	479.506176	-0.7	17.01	0
2022-10-29T20:16:50.116Z	478.224288	-0.1	17.02	0
2022-10-29T20:17:00.082Z	475.821792	0.7	17.02	0
2022-10-29T20:17:10.048Z	478.515168	0.4	17.02	0

2022-10-29T20:17:24.997Z	476.81064	0.4	17.06	0
2022-10-29T20:17:34.963Z	471.972384	0.4	17.03	0
2022-10-29T20:17:44.929Z	475.921872	1	17.01	0
2022-10-29T20:17:54.895Z	475.266096	1	17.06	0
2022-10-29T20:18:04.861Z	474.638976	-0.9	17.08	0
2022-10-29T20:18:14.827Z	477.461664	-1.2	17.07	0
2022-10-29T20:18:24.793Z	472.511952	1	17.09	0
2022-10-29T20:18:34.759Z	474.129504	1.2	17.1	0
2022-10-29T20:18:44.725Z	475.220448	-0.9	17.13	0
2022-10-29T20:18:54.691Z	475.242624	0.4	17.12	0
2022-10-29T20:19:04.657Z	475.547472	-0.1	17.13	0
2022-10-29T20:19:14.623Z	474.156576	-0.7	17.13	0
2022-10-29T20:19:24.589Z	464.606352	-0.7	17.14	0
2022-10-29T20:19:34.555Z	474.409728	-0.7	17.17	0
2022-10-29T20:19:44.521Z	475.472016	-0.4	17.15	0
2022-10-29T20:19:54.487Z	477.453024	-0.7	17.19	0
2022-10-29T20:20:04.453Z	471.056544	1.8	17.2	0
2022-10-29T20:20:14.419Z	472.004496	1.2	17.22	0
2022-10-29T20:20:24.385Z	474.00624	1.5	17.23	0
2022-10-29T20:20:34.351Z	466.57944	1.2	17.23	0
2022-10-29T20:20:44.317Z	473.111136	-0.9	17.25	0
2022-10-29T20:20:54.283Z	473.945472	0.1	17.24	0
2022-10-29T20:21:04.249Z	479.987568	-0.4	17.27	0
2022-10-29T20:21:14.215Z	468.575712	-0.4	17.29	0
2022-10-29T20:21:24.181Z	477.28728	0.1	17.31	0
2022-10-29T20:21:34.147Z	475.725312	1.5	17.31	0
2022-10-29T20:21:44.113Z	479.44224	-0.7	17.33	0
2022-10-29T20:21:54.079Z	478.137456	0.4	17.34	0
2022-10-29T20:22:04.045Z	478.159776	-0.1	17.33	0
2022-10-29T20:22:14.011Z	480.90744	0.7	17.36	0
2022-10-29T20:22:23.977Z	468.114048	1.5	17.37	0
2022-10-29T20:22:33.943Z	475.982928	-0.4	17.38	0
2022-10-29T20:22:43.909Z	472.810464	-1.2	17.38	0
2022-10-29T20:22:53.875Z	475.17552	-1.8	17.4	0
2022-10-29T20:23:03.841Z	473.932656	-0.7	17.39	0
2022-10-29T20:23:13.807Z	460.657008	-0.7	17.38	0
2022-10-29T20:23:23.773Z	468.977904	-0.1	17.4	0
2022-10-29T20:23:33.739Z	474.091056	-0.4	17.42	0
2022-10-29T20:23:43.705Z	474.939072	1.2	17.44	0
2022-10-29T20:23:53.671Z	454.222512	0.7	17.43	0
2022-10-29T20:24:03.637Z	468.639936	0.7	17.44	0
2022-10-29T20:24:13.603Z	469.520496	0.1	17.47	0
2022-10-29T20:24:23.569Z	462.263328	-1.2	17.49	0
2022-10-29T20:24:33.535Z	471.485952	-1.2	17.51	0
2022-10-29T20:24:43.501Z	475.593696	0.4	17.52	0
2022-10-29T20:24:53.467Z	475.601472	-1.8	17.52	0
2022-10-29T20:25:03.433Z	473.432688	0.4	17.55	0
2022-10-29T20:25:13.399Z	476.18928	-2	17.55	0
2022-10-29T20:25:23.365Z	469.575792	-0.4	17.55	0
2022-10-29T20:25:33.331Z	465.537168	0.1	17.59	0
2022-10-29T20:25:43.297Z	469.168416	0.7	17.59	0
2022-10-29T20:25:53.263Z	475.890768	1.2	17.6	0
2022-10-29T20:26:03.229Z	472.815072	0.1	17.62	0
2022-10-29T20:26:13.195Z	467.544384	-1.2	17.62	0
2022-10-29T20:26:23.161Z	470.020608	0.1	17.63	0
2022-10-29T20:26:33.127Z	466.661664	-0.7	17.65	0
2022-10-29T20:26:43.093Z	472.403232	-0.1	17.66	0
2022-10-29T20:26:53.059Z	473.86152	0.1	17.65	0
2022-10-29T20:27:03.025Z	463.128192	-1.8	17.66	0
2022-10-29T20:27:12.991Z	470.423952	0.1	17.68	0
2022-10-29T20:27:22.957Z	467.712864	-1.2	17.7	0

2022-10-29T20:27:32.923Z	468.169632	0.1	17.71	0
2022-10-29T20:27:42.889Z	455.977728	-0.2	17.7	0
2022-10-29T20:27:52.855Z	462.350016	0.4	17.71	0
2022-10-29T20:28:02.821Z	464.64192	-0.2	17.72	0
2022-10-29T20:28:12.787Z	471.17736	-0.4	17.7	0
2022-10-29T20:28:22.753Z	468.987264	0.4	17.74	0
2022-10-29T20:28:32.719Z	457.392528	-0.2	17.77	0
2022-10-29T20:28:42.685Z	453.918384	-0.4	17.77	0
2022-10-29T20:28:52.651Z	467.87256	-0.7	17.77	0
2022-10-29T20:29:02.617Z	453.020832	0.9	17.78	0
2022-10-29T20:29:12.583Z	462.010176	0.7	17.8	0
2022-10-29T20:29:22.549Z	472.809312	-0.2	17.78	0
2022-10-29T20:29:32.515Z	471.818016	-0.4	17.8	0
2022-10-29T20:29:42.481Z	457.882272	-1.2	17.81	0
2022-10-29T20:29:52.447Z	473.330736	0.4	17.82	0
2022-10-29T20:30:02.413Z	472.057488	-0.7	17.81	0
2022-10-29T20:30:12.379Z	462.591792	-1	17.8	0
2022-10-29T20:30:22.345Z	464.069088	-0.4	17.83	0
2022-10-29T20:30:32.311Z	462.482208	-1.2	17.82	0
2022-10-29T20:30:42.277Z	464.466816	-1.5	17.83	0
2022-10-29T20:30:52.243Z	464.336928	1.2	17.81	0
2022-10-29T20:31:02.209Z	461.184048	1.2	17.86	0
2022-10-29T20:31:12.175Z	457.702128	-0.4	17.84	0
2022-10-29T20:31:22.141Z	465.572448	1.2	17.83	0
2022-10-29T20:31:32.107Z	461.583072	0.7	17.84	0
2022-10-29T20:31:42.073Z	455.85144	1.7	17.86	0
2022-10-29T20:31:52.039Z	450.14976	0.1	17.86	0
2022-10-29T20:32:02.005Z	461.941632	0.7	17.85	0
2022-10-29T20:32:11.971Z	455.409936	2	17.89	0
2022-10-29T20:32:21.937Z	462.42936	0.4	17.88	0
2022-10-29T20:32:31.903Z	460.74312	-1	17.9	0
2022-10-29T20:32:41.869Z	465.219792	-0.4	17.91	0
2022-10-29T20:32:51.835Z	458.491248	0.1	17.92	0
2022-10-29T20:33:01.801Z	463.838256	0.7	17.91	0
2022-10-29T20:33:11.767Z	460.793376	-0.2	17.95	0
2022-10-29T20:33:21.733Z	459.846432	-0.2	17.96	0
2022-10-29T20:33:31.699Z	464.367456	-0.4	17.95	0
2022-10-29T20:33:41.665Z	463.233312	-0.2	17.99	0
2022-10-29T20:33:51.631Z	463.431024	-0.7	18.02	0
2022-10-29T20:34:01.597Z	460.492704	-0.7	17.98	0
2022-10-29T20:34:11.563Z	458.913024	0.4	18	0
2022-10-29T20:34:21.529Z	458.473248	-1	18.02	0
2022-10-29T20:34:31.495Z	465.358608	0.9	18.01	0
2022-10-29T20:34:41.461Z	462.493872	0.1	17.99	0
2022-10-29T20:34:51.427Z	460.474992	-0.7	18.02	0
2022-10-29T20:35:01.393Z	463.725072	0.9	18.04	0
2022-10-29T20:35:11.359Z	461.169072	-2.1	17.99	0
2022-10-29T20:35:21.325Z	466.234272	0.9	18.02	0
2022-10-29T20:35:31.291Z	463.298544	1.5	18.04	0
2022-10-29T20:35:41.257Z	468.6624	-0.4	18.05	0
2022-10-29T20:35:51.223Z	472.47552	-0.4	18.06	0
2022-10-29T20:36:01.189Z	471.705408	-0.4	18.05	0
2022-10-29T20:36:11.155Z	469.86984	-0.7	18.08	0
2022-10-29T20:36:21.121Z	470.289168	0.4	18.07	0
2022-10-29T20:36:31.087Z	469.965456	-1	18.12	0
2022-10-29T20:36:41.053Z	467.300016	0.4	18.09	0
2022-10-29T20:36:51.019Z	466.352352	0.6	18.14	0
2022-10-29T20:37:00.985Z	465.4872	-0.2	18.16	0
2022-10-29T20:37:10.951Z	465.250752	0.4	18.13	0
2022-10-29T20:37:20.917Z	461.752416	-1.3	18.16	0
2022-10-29T20:37:30.883Z	467.655696	-0.2	18.16	0

2022-10-29T20:37:40.849Z	466.244064	1.2	18.19	0
2022-10-29T20:37:50.815Z	458.279712	0.9	18.2	0
2022-10-29T20:38:00.781Z	462.821184	1.2	18.19	0
2022-10-29T20:38:10.747Z	468.077904	0.9	18.21	0
2022-10-29T20:38:20.713Z	463.458384	1.2	18.21	0
2022-10-29T20:38:30.679Z	468.878112	0.1	18.23	0
2022-10-29T20:38:40.645Z	468.63936	-1.8	18.28	0
2022-10-29T20:38:50.611Z	478.560672	-0.7	18.28	0
2022-10-29T20:39:00.577Z	477.070848	1.5	18.26	0
2022-10-29T20:39:10.543Z	475.363296	-0.4	18.25	0
2022-10-29T20:39:20.509Z	481.63752	-1	18.28	0
2022-10-29T20:39:30.475Z	481.256352	-2.6	18.27	0
2022-10-29T20:39:40.441Z	481.724784	1.4	18.28	0
2022-10-29T20:39:50.407Z	486.512208	-0.4	18.29	0
2022-10-29T20:40:00.373Z	485.011584	0.6	18.31	0
2022-10-29T20:40:15.322Z	483.818976	0.4	18.3	0
2022-10-29T20:40:20.305Z	482.576832	0.4	18.31	0
2022-10-29T20:40:30.271Z	485.525664	-1.3	18.32	0
2022-10-29T20:40:40.237Z	486.732672	0.6	18.33	0
2022-10-29T20:40:50.203Z	479.61216	1.4	18.35	0
2022-10-29T20:41:00.169Z	483.440688	-1	18.36	0
2022-10-29T20:41:10.135Z	489.811392	0.6	18.36	0
2022-10-29T20:41:20.101Z	489.322368	-0.2	18.34	0
2022-10-29T20:41:30.067Z	493.173072	-0.7	18.36	0
2022-10-29T20:41:40.033Z	491.510304	-0.7	18.39	0
2022-10-29T20:41:54.982Z	491.280624	0.4	18.38	0
2022-10-29T20:42:04.948Z	491.722272	1.2	18.38	0
2022-10-29T20:42:14.914Z	490.35024	-1.5	18.38	0
2022-10-29T20:42:24.880Z	492.32232	-1.5	18.41	0
2022-10-29T20:42:34.846Z	489.709728	-1.3	18.42	0
2022-10-29T20:42:44.812Z	490.88304	0.6	18.42	0
2022-10-29T20:42:54.778Z	492.51168	0.6	18.42	0
2022-10-29T20:43:04.744Z	489.9564	0.1	18.46	0
2022-10-29T20:43:14.710Z	490.100976	-0.2	18.43	0
2022-10-29T20:43:24.676Z	488.705472	0.6	18.46	0
2022-10-29T20:43:34.642Z	491.735664	0.1	18.46	0
2022-10-29T20:43:44.608Z	494.415648	0.4	18.47	0
2022-10-29T20:43:54.574Z	497.19384	1.7	18.49	0
2022-10-29T20:44:04.540Z	496.229472	-0.2	18.49	0
2022-10-29T20:44:14.506Z	494.590176	0.4	18.49	0
2022-10-29T20:44:24.472Z	493.938432	0.4	18.49	0
2022-10-29T20:44:34.438Z	492.451488	0.9	18.51	0
2022-10-29T20:44:44.404Z	492.30504	1.2	18.53	0
2022-10-29T20:44:54.370Z	492.78096	0.9	18.53	0
2022-10-29T20:45:04.336Z	494.205696	0.9	18.55	0
2022-10-29T20:45:14.302Z	490.550256	0.4	18.58	0
2022-10-29T20:45:24.268Z	489.22992	1.2	18.54	0
2022-10-29T20:45:34.234Z	490.997808	-1.3	18.56	0
2022-10-29T20:45:44.200Z	490.95	-0.2	18.58	0
2022-10-29T20:45:54.166Z	485.544384	0.4	18.59	0
2022-10-29T20:46:04.132Z	487.663632	1.4	18.62	0
2022-10-29T20:46:14.098Z	488.0268	1.4	18.61	0
2022-10-29T20:46:24.064Z	486.946224	0.6	18.63	0
2022-10-29T20:46:34.030Z	489.245184	-1.5	18.66	0
2022-10-29T20:46:43.996Z	490.897008	-0.2	18.65	0
2022-10-29T20:46:53.962Z	486.487728	-0.2	18.64	0
2022-10-29T20:47:03.928Z	487.94328	0.6	18.7	0
2022-10-29T20:47:13.894Z	486.96408	1.7	18.66	0
2022-10-29T20:47:23.860Z	488.137248	0.1	18.7	0
2022-10-29T20:47:33.826Z	484.878672	-0.2	18.71	0
2022-10-29T20:47:43.792Z	486.155376	-1.6	18.73	0

2022-10-29T20:47:53.758Z	485.273088	-0.7	18.74	0
2022-10-29T20:48:03.724Z	486.142272	0.6	18.78	0



Test Report

Start Date: Saturday, October 29th, 2022, 12:49 PM MDT
End Date: Saturday, October 29th, 2022, 2:49 PM MDT
Device: VB100-0029
Well Licensee: NMOCD
Well Name: inbe 13 -001
UWI: 30-035-37840 **30-025-37840**
Well License Number: 30-035-37840 **30-025-37840**
Surface Location: private
Bottom Hole Location: unknown

Test Operator: fv
Authorized By: NMOCD
Test Reason: IIJA PRE PLUG
Scope Of Work: 12-Hour
AFE Number: NMOCD038A
GPS: 33.36749,-103.56411
Notes: Unknown

Flow Test

Average Flowrate

512.70

m3/d

9,156.01

g/ hour

Average Flow
Temperature**17.1**

°C

Average Flow
Pressure**0.4**

kPag

Flow Duration

2.0

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

--

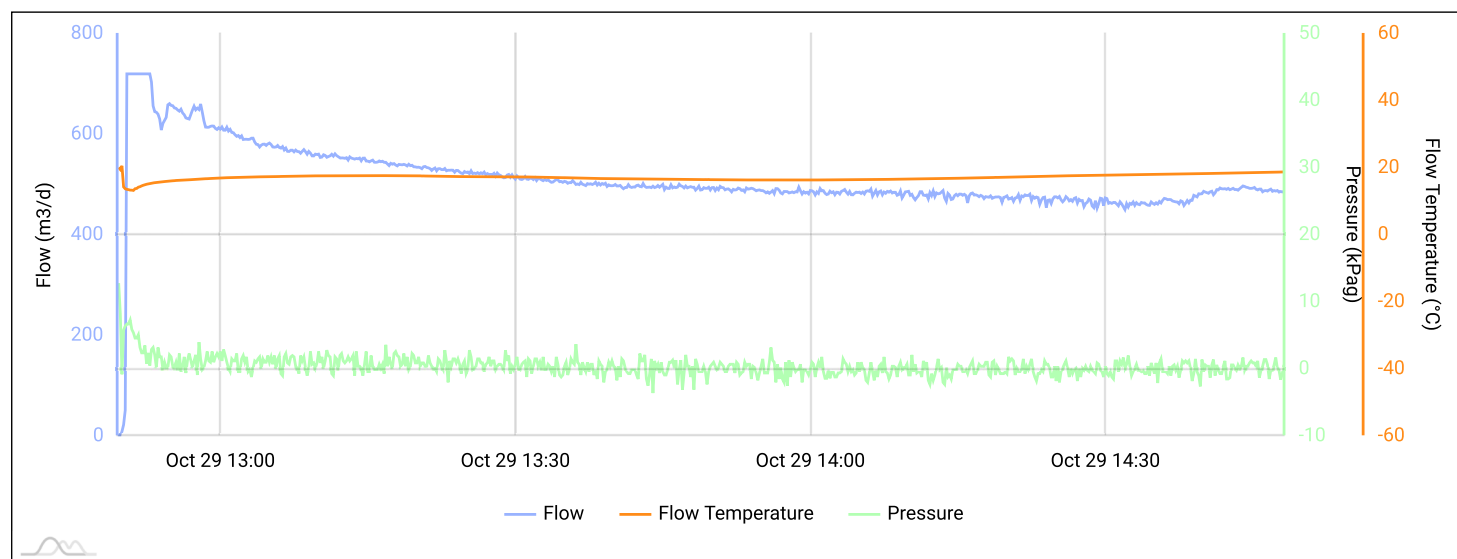
*Only valid for an unstable shut-in pressure

Shut-in Pressure Duration

0.0

hours

Flow/Pressure/Temperature Timeseries



Field Notes

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

15192G	Inbe 13 #001 Pre Plug	Inbe 13 #001 Pre Plug
Sample Point Code	Sample Point Name	Sample Point Location
Laboratory Services	2022059559	Tedlar Bag
Source Laboratory	Lab File No	Container Identity
USA	USA	USA
District	Area Name	Field Name
Oct 28, 2022 14:15	Oct 28, 2022 14:15	Nov 1, 2022 07:01
Date Sampled	Date Effective	Date Received
Torrance		
Ambient Temp (°F)	Flow Rate (Mcf)	Analyst
Press PSI @ Temp °F Source Conditions		
Well Done Foundation	NG	
Operator	Lab Source Description	

Component	Normalized Mol %	Un-Normalized Mol %	GPM
H2S (H2S)	0.0000	0	
Nitrogen (N2)	4.1870	4.18661	
CO2 (CO2)	0.6100	0.60987	
Methane (C1)	77.3650	77.36607	
Ethane (C2)	9.8660	9.86584	2.6380
Propane (C3)	4.7300	4.72985	1.3030
I-Butane (IC4)	0.7800	0.77997	0.2550
N-Butane (NC4)	1.3360	1.33583	0.4210
I-Pentane (IC5)	0.4390	0.43944	0.1610
N-Pentane (NC5)	0.3040	0.30374	0.1100
Hexanes Plus (C6+)	0.3830	0.38278	0.1660
TOTAL	100.0000	100.0000	5.0540

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

Analyzer Information			
Device Type:	Gas Chromatograph	Device Make:	Shimadzu
Device Model:	GC-2014	Last Cal Date:	Sep 26, 2022

Gross Heating Values (Real, BTU/ft³)			
14.696 PSI @ 60.00 Å°F		14.73 PSI @ 60.00 Å°F	
Dry	Saturated	Dry	Saturated
1,197.5	1,178.1	1,200.3	1,180.8

Calculated Total Sample Properties	
GPA2145-16 *Calculated at Contract Conditions	
Relative Density Real	Relative Density Ideal
0.7281	0.7260
Molecular Weight	
21.0278	

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

Field H2S
0.2 PPM

PROTREND STATUS:

Passed By Validator on Nov 1, 2022

DATA SOURCE:

Imported

PASSED BY VALIDATOR REASON:

Close enough to be considered reasonable.

VALIDATOR:

Luis Cano

VALIDATOR COMMENTS:

OK

Source	Date	Notes
Luis Cano	Nov 1, 2022 3:46 pm	Methane PPM: 773,650



Weather in Hobbs, October 29

October 29, 2022

	Atmospheric conditions and temperature °F	RealFeel °F	Atmospheric pressure inHg	Wind speed mph	Humidity
Night	 +45°	+41°	26.5	N 5.8	94%
Morning	 +39°	+36°	26.5	NW 6.5	92%
Day	 +63°	+63°	26.5	NW 6.9	44%
Evening	 +59°	+59°	26.4	S 4.9	65%

October 29, 2021

	Atmospheric conditions and temperature °F	RealFeel °F	Atmospheric pressure inHg	Wind speed mph	Humidity
Night	 +46°	+43°	26.4	N 6.3	38%
Morning	 +39°	+34°	26.4	NW 7.4	42%
Day	 +70°	+70°	26.6	W 9.4	16%
Evening	 +64°	+64°	26.4	SW 7.4	21%

Bio-meteorological forecast

Meteorological sensitivity index

3 Cookies help us deliver our services. By using our services, you agree to our use of cookies. Ok

Meteosensitive people are likely to experience weather-related symptoms.

Geomagnetic conditions	2	Solar activity may affect some sensitive people.
Influence of solar activity	2	High risk of harm from unprotected sun exposure for people with sensitive skin types.

October 29, 2020

	Atmospheric conditions and temperature °F	RealFeel °F	Atmospheric pressure inHg	Wind speed mph	Humidity
Night	 +39°	+32°	26.3	NW 12.3	78%
Morning	 +39°	+32°	26.5	NW 11.4	70%
Day	 +57°	+57°	26.6	N 12.8	42%
Evening	 +54°	+54°	26.6	E 7.4	53%

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	1	Small risk of harm from unprotected sun exposure for people with sensitive skin types.

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

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 156276

CONDITIONS

Operator: LEASE HOLDERS ACQUISITIONS, INCORPORATED 705 S Mustang Rd #127 Yukon, OK 73099	OGRID: 372878
	Action Number: 156276
	Action Type: [IM-SD] Well File Support Doc (ENV) (IM-BWF)

CONDITIONS

Created By	Condition	Condition Date
jgriswold	None	11/4/2022