

CLAIM OF BENEFICIAL USE for Ground Water Permits claiming 0.1 cfs or less


OREGON Oregon Water Resources Department
 725 Summer Street NE, Suite A
 Salem, Oregon 97301-1266
 (503) 986-0900
www.oregon.gov/OWRD

**A fee of \$230 must accompany this form for permits
 with priority dates of July 9, 1987, or later.**

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A separate form shall be completed for each permit.

In cases where a permit has been amended through the permit amendment process, a separate claim for the permit amendment is not required. Incorporate the permit amendment into the claim for the permit.

This form is subject to revision. Begin each new claim by checking for a new version of this form at:
<https://www.oregon.gov/OWRD/Forms/Pages/default.aspx>

The completion of this form is required by OAR 690-014-0100(1) and 690-014-0110(4).

Please type or print in dark ink. If this form is found to contain errors or omissions, it may be returned to you. **Every item must have a response.** If any requested information does not apply to the claim, insert "NA." **Do not delete or alter any section of this form unless directed by the form.** The Department may require the submittal of additional information from any water user or authorized agent.

"Section 8" of this form is intended to aid in the completion of this form and should not be submitted.

If you have questions regarding the completion of this form, please call 503-979-9103.

The Department has a program that allows it to enter into a voluntary agreement with an applicant for expedited services. Under such an agreement, the applicant pays the cost to hire additional staff that would not otherwise be available. This program means a certificate may be issued in about a month.

For more information on this program see

<https://www.oregon.gov/OWRD/programs/WaterRights/RA/Pages/default.aspx>

(See Certificate Resources)

SECTION 1

GENERAL INFORMATION

1. File Information:

| | | |
|---------------------------------|--|--|
| APPLICATION # G-18160 | PERMIT # (IF APPLICABLE) G-17659 | PERMIT AMENDMENT # (IF APPLICABLE) N/A |
|---------------------------------|--|--|

2. Property Owner (current owner information):

| | | | |
|--|------------------------|----------------------------------|---|
| APPLICANT/BUSINESS NAME Crystal Harder | | PHONE NO. 541-521-5085 | ADDITIONAL CONTACT NO. 541-431-2687 |
| ADDRESS 1863 Pioneer Parkway | | | |
| CITY Springfield | STATE OREGON | ZIP 97477 | E-MAIL crystal@ocauth.com |

If the current property owner is not the permit holder of record, it is recommended that an assignment be filed with the Department. ***Each permit holder of record must sign this form.***

3. Permit holder of record (this may, or may not, be the current property owner):

| | | | |
|--|------------------------|---------------------|--|
| PERMIT HOLDER OF RECORD Crystal Harder | | | RECEIVED DEC 08 2021 OWRD |
| ADDRESS 1863 Pioneer Parkway | | | |
| CITY Springfield | STATE OREGON | ZIP 97477 | |

| | | |
|--|---------------------|-------------------|
| ADDITIONAL PERMIT HOLDER OF RECORD N/A | | |
| ADDRESS N/A | | |
| CITY N/A | STATE N/A | ZIP N/A |

4. Date of Site Inspection:

| |
|-----------------|
| 9/1/2021 |
|-----------------|

5. Person(s) interviewed and description of their association with the project:

| NAME | DATE | ASSOCIATION WITH THE PROJECT |
|--------------------|-----------------|------------------------------|
| Rick Harder | 8/5/2021 | Owner |

6. County:

| |
|-------------|
| LANE |
|-------------|

7. If any property described in the place of use of the permit final order is excluded from this report, identify the owner of record for that property (ORS 537.230(5)):

| | | |
|-------------------------------|---------------------|-------------------|
| OWNER OF RECORD N/A | | |
| ADDRESS N/A | | |
| CITY N/A | STATE N/A | ZIP N/A |

Add additional tables for owners of record as needed

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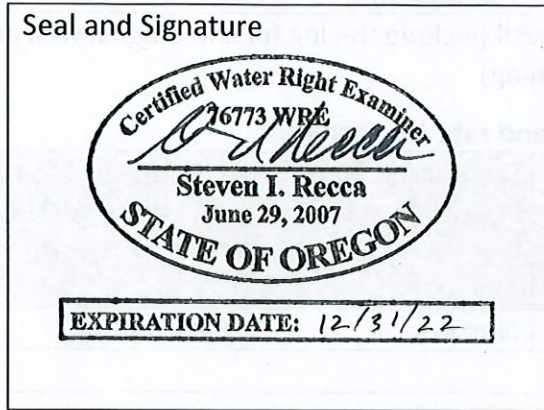
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SECTION 2
SIGNATURES

CWRE Statement, Seal and Signature

The facts contained in this Claim of Beneficial Use are true and correct to the best of my knowledge.



| | | | | |
|---------------------------------------|------------------------|----------------------------------|--|--|
| CWRE NAME Steven I. Recca | | PHONE NO. 541-688-8322 | ADDITIONAL CONTACT NO. | |
| ADDRESS 2535 B Prairie Road | | | | |
| CITY Eugene | STATE OREGON | ZIP 97402 | E-MAIL steverecca@egrassoc.com | |

Permit Holder's of Record Signature or Acknowledgement

Each permit holder of record must sign this form in the space provided below.

The facts contained in this Claim of Beneficial Use are true and correct to the best of my knowledge. I request that the Department issue a water right certificate.

| SIGNATURE | PRINT OR TYPE NAME | TITLE | DATE |
|-----------------------|-----------------------|------------------|----------------|
| <i>Crystal Harder</i> | Crystal Harder | Applicant | 12/3/21 |

SECTION 3

CLAIM DESCRIPTION

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1. Point(s) of Appropriation (POA):

| POA NAME OR NUMBER (CORRESPOND TO MAP) | WELL LOG ID # FOR ALL WORK PERFORMED ON THE WELL (IF APPLICABLE) | WELL TAG # (IF APPLICABLE) |
|---|--|-------------------------------|
| Well 1 | Unknown | L-121740 |

Attach each well log available for the well (include the log for the original well and any subsequent alterations, reconstructions, or deepening)

2. Developed use(s), period of use, and rate for each use:

| POA NAME OR NUMBER | USES | IF IRRIGATION, LIST CROP TYPE | SEASON OR MONTHS WHEN WATER WAS USED | ACTUAL RATE OR VOLUME USED (CFS, GPM, OR AF) |
|-------------------------------------|------------|----------------------------------|--|---|
| Well 1 | Irrigation | Nursery | Year Round | 0.057 cfs |
| Total Quantity of Water Used | | | | 0.057 cfs |

3. Provide a general narrative description of the distribution works. This description must trace the water system from each point of appropriation to the place of use:

Water is appropriated from the onsite well and distributed through a buried 1-inch pvc line through a totalizing flow meter. Water is then delivered to three adjacent nurseries. The nursery totals 5 growing rooms with 120 plants per room. Each plant is equipped with three 1 gph (gallon per hour) emitters. Water is also appropriated from the onsite well to buried pvc to hand line which applies water to the adjacent field where hay is watered via impact sprinklers.

Reminder: The map associated with this claim must identify the location of the point(s) of diversion, Donation Land Claims (DLC), Government Lots (GLot), and Quarter-Quarters (QQ).

4. Variations:

Was the use developed differently from what was authorized by the permit, permit amendment final order, or extension final order? If yes, describe below. **NO**

(e.g. "The permit allowed three points of diversion. The water user only developed one of the points." or "The permit allowed 40.0 acres of irrigation. The water user only developed 10.0 acres.")

N/A

5. Claim Summary:

| POD / POA NAME OR # | MAXIMUM RATE AUTHORIZED | CALCULATED THEORETICAL RATE BASED ON SYSTEM | AMOUNT OF WATER MEASURED | USE | # OF ACRES ALLOWED | # OF ACRES DEVELOPED |
|------------------------|----------------------------|---|--------------------------------|------------|-----------------------|-------------------------|
| LANE 12203 | 25.13 gpm | 26.65 gpm | 196 gallons | Irrigation | 10 acres | 9.52 acres |

**SECTION 4
SYSTEM DESCRIPTION**

Are there multiple POAs?

NO

If "YES" you will need to copy and complete a separate Section 4 for each POA.

POA Name or Number this section describes (only needed if there is more than one):

Well 1

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A. Place of Use

Attach Claim of Beneficial Use map.

Reminder: The map associated with this claim must identify Donation Land Claims (DLC), Government Lots (Gov Lot), Quarter-Quarters (QQ), and if for irrigation, the number of acres irrigated within each projected DLC, Gov Lot, and QQ.

B. Groundwater Source Information (Well)

1. Is the appropriation from a well?

YES

If "NO", items 2 through 4 relating to this section may be deleted.

2. Describe the access port (type and location) or other means to measure the water level in the well:

Depth to water checked at top of casing.

3. If well logs are not available, provide as much of the following information as possible:

| CASING DIAMETER | CASING DEPTH | TOTAL DEPTH | COMPLETION DATE OF ORIGINAL WELL | COMPLETION DATES OF ALTERATIONS | WHO THE WELL WAS DRILLED FOR | WELL DRILLED BY |
|-----------------|--------------|--------------|----------------------------------|---------------------------------|------------------------------|-----------------|
| 6 inch | 70 ft | 70 ft | Unknown | Unknown | Unknown | Unknown |

4. In addition to the information requested in item "3" above, provide any other information which may help the Department locate any well logs associated with this appropriation.

Well log for existing well does not exist. Well ID tag was applied for and attached in 2016. Well was assigned ID tag L-121740. Originally, Lane 12203 was the well log that was associated with the onsite well. During pump test a discrepancy in well depth was noted. Lane 12203 indicates a depth of 30', while the measured depth was determined to be 70'. After conversation with Ladeena Ashley at the OWRD Lane 12203 was determined to belong to a nearby property on Greenhill Road. A well log for the onsite well does not exist. Well ID tag L-121740 is attached to the onsite well.

C. Groundwater Source Information (Sump)

1. Is the appropriation from a dug well (sump)?

NO

D. Appropriation and Delivery System Information

Provide the following information concerning the appropriation and delivery system. Information provided must describe the equipment used to transport and apply the water from the point of appropriation to the place of use.

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YES

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1. Is a pump used?

If "NO" items 2 through item 5 may be deleted.

2. Pump Information:

| MANUFACTURER | MODEL | SERIAL NUMBER | TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE) |
|--------------|---------|---------------|--|
| Unknown | Unknown | Unknown | Submersible |

3. Theoretical Pump Capacity:

| HORSEPOWER | OPERATING PSI | LIFT FROM SOURCE TO PUMP *IF A WELL, THE WATER LEVEL DURING PUMPING | LIFT FROM PUMP TO PLACE OF USE | TOTAL PUMP OUTPUT (IN CFS) |
|-------------------|---------------|---|-----------------------------------|----------------------------------|
| 0.75 (assumed) | 25 | 20 | 1 | 0.058 |

4. Provide pump calculations:

Pump Capacity Calculation Sheet

using Department designed formula:

$$(hp)(\text{efficiency}) / (\text{lift} + \text{psi head}) = \text{capacity in cfs}$$

Efficiency:

Centrifugal = 6.61

Turbine = 7.04

Data Entry (fill in underlined blanks)

$$\begin{aligned} \text{HP} &= \underline{0.75} \text{ (assumed)} \\ \text{Efficiency} &= \underline{6.61} \\ \text{Lift} &= \underline{20} \\ \text{PSI} &= \underline{25} \end{aligned}$$

**Results
Calculated**

$$\begin{aligned} (hp)(\text{efficiency}) &= 4.9575 \\ \text{Head based on psi} &= 63.5 \\ \text{Total dynamic head} &= 83.5 \\ &(\text{head} + \text{lift}) \end{aligned}$$

$$\text{Pump Capacity} = 0.06 \text{ cubic feet per second}$$

5. Measured Pump Capacity (using meter if meter was present and system was operating):

| INITIAL METER READING | ENDING METER READING | DURATION OF TIME OBSERVED | TOTAL PUMP OUTPUT (IN CFS) |
|-----------------------|----------------------|---------------------------|----------------------------|
| 612468 | 612664 | 7.53 minutes | 0.058 |

Reminder: For pump calculations use the reference information at the end of this document.

6. Sprinkler Information:

| SIZE | OPERATING PSI | SPRINKLER OUTPUT (GPM) | TOTAL NUMBER OF SPRINKLERS | MAXIMUM NUMBER USED | TOTAL SPRINKLER OUTPUT (CFS) |
|----------|---------------|------------------------|----------------------------|---------------------|------------------------------|
| 1/8 inch | 40 | 2.89 | 1 | 1 | 0.0022 |

Reminder: For sprinkler output determination use the reference information at the end of this document.

7. Drip Emmitter Information:

| SIZE | OPERATING PSI | EMITTER OUTPUT (GPM) | TOTAL NUMBER OF EMITTERS | MAXIMUM NUMBER USED | TOTAL EMITTER OUTPUT (CFS) |
|----------|---------------|----------------------|--------------------------|---------------------|----------------------------|
| 1/4 inch | 20 | 0.0167 | 1800 | 1800 | 0.058 |

E. Storage

1. Does the distribution system include in-system storage (i.e. storage tank, bulge in system / reservoir)?

NO
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F. Gravity Flow Pipe

(THE DEPARTMENT TYPICALLY USES THE HAZEN-WILLIAM'S FORMULA FOR A GRAVITY FLOW PIPE SYSTEM)

1. Does the system involve a gravity flow pipe?

NO OWRD

G. Gravity Flow Canal or Ditch

(THE DEPARTMENT TYPICALLY USES MANNING'S FORMULA FOR CANALS AND DITCHES)

1. Is a gravity flow canal or ditch used to convey the water as part of the distribution system?

NO

**SECTION 5
CONDITIONS**

All conditions contained in the permit, permit amendment, or any extension final order shall be addressed. Reports that do not address all performance related conditions will be returned.

1. Time Limits:

Permits and any extension final orders contain any or all of the following dates: the date when the actual construction work was to begin, the date when the construction was to be completed, and the date when the complete application of water to the proposed use was to be completed. These dates may be referred to as ABC dates. Describe how the water user has complied with each of the development timelines established in the permit or extension final order:

| | DATE FROM PERMIT | DATE ACCOMPLISHED* | DESCRIPTION OF ACTIONS TAKEN BY WATER USER TO COMPLY WITH THE TIME LIMITS |
|-----------------------------------|------------------|--------------------|---|
| ISSUANCE DATE | 09-12-2016 | | |
| BEGIN CONSTRUCTION (A) | 9-12-2016 | 9-12-2016 | |
| COMPLETE CONSTRUCTION (B) | 9-12-2021 | 9-12-2021 | |
| COMPLETE APPLICATION OF WATER (C) | 9-12-2021 | 9-12-2021 | |

* MUST BE WITHIN PERIOD BETWEEN PERMIT OR ANY EXTENSION FINAL ORDER ISSUANCE AND THE DATE TO COMPLETELY APPLY WATER

2. Is there an extension final order(s)?

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If "NO", items a and b relating to this section may be deleted.

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3. Initial Water Level Measurements:

a. Was the water user required to submit an initial static water level measurement?

NO OWRD

4. Annual Static Water Level Measurements:

a. Was the water user required to submit annual static water level measurements?

NO

5. Pump Test:

a. Is a pump test required?

YES

Ground water permits with priority dates on or after December 20, 1988, require the submittal of a pump test prior to issuance of a certificate. In some cases, the permit holder may qualify for a multiple well exemption or an unreasonable burden exemption.

For additional information regarding pump tests see:

<https://www.oregon.gov/OWRD/programs/GWWL/GW/Pages/PumpTestProgram.aspx>

If "NO", items b through e relating to this section may be deleted.

b. Has the pump test been previously submitted to the Department?

NO

c. Is the pump test attached to this claim?

YES

d. Has the pump test been approved by the Department?

NO

e. Has a pump test exemption been approved by the Department?

NO

****The Claim will not be reviewed until a pump test or exemption has been approved by the Department.**

6. Measurement Conditions:

a. Does the permit, permit amendment, or any extension final order require the installation of a meter or approved measuring device?

YES

If "NO", items b through f relating to this section may be deleted.

Reminder: If a meter or approved measuring device was required, the COBU map must indicate the location of the device in relation to the point of appropriation.

b. Has a meter been installed?

YES

c. Meter Information

| POA NAME OR # | MANUFACTURER | SERIAL # | CONDITION (WORKING OR NOT) | CURRENT METER READING | DATE INSTALLED |
|---------------|--------------|----------|----------------------------|-----------------------|----------------|
| Well 1 | Master Meter | 8221396 | Working | 612664 | Unknown |

If a meter has been installed, items d through f relating to this section may be deleted.

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7. Recording and reporting conditions:

a. Is the water user required to report the water use to the Department?

YES

If "NO", item b relating to this section may be deleted.

b. Have the reports been submitted?

YES

If the reports have not been submitted, attach a copy of the reports if available.

8. Other conditions required by permit, permit amendment final order, or extension final order:

a. Were there special well construction standards?

NO

b. Was submittal of a ground water monitoring plan required?

NO

c. Was a Well Identification Number (Well ID tag) assigned and attached to the well?

YES

| WELL ID # | DATE ATTACHED TO WELL |
|-----------|-----------------------|
| L-121740 | 2016 |

d. Other conditions?

NO

If "YES" to any of the above, identify the condition and describe the water user's actions to comply with the condition(s):

Well ID tag attached to well after application in 2016. Well log for Well 1 is not known to exist.

SECTION 6

ATTACHMENTS

Provide a list of any additional documents you are attaching to this report:

| ATTACHMENT NAME | DESCRIPTION |
|-----------------|--|
| COBU Map | Map for COBU. |
| Pump Test Data | Data from pump test conducted 10/19/21 |
| AQTESOLV | Solution for pump test. |

SECTION 7

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CLAIM OF BENEFICIAL USE MAP

The Claim of Beneficial Use Map must be submitted with this claim. Claims submitted without the Claim of Beneficial Use map will be returned. The map shall be submitted on poly film at a scale of 1" = 1320 feet, 1" = 400 feet, or the original full-size scale of the county assessor map for the location.

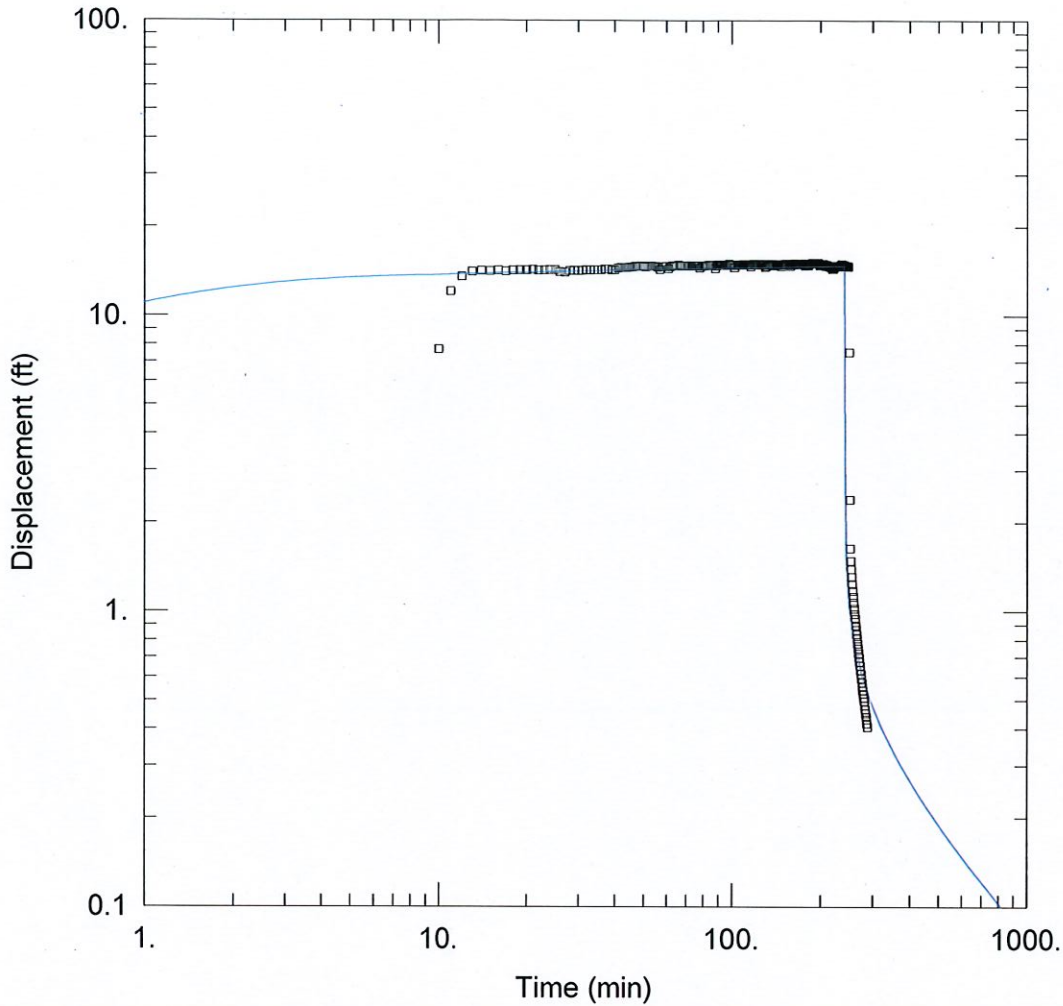
Provide a general description of the survey method used to prepare the map. Examples of possible methods include, but are not limited to, a traverse survey, GPS, or the use of aerial photos. If the basis of the survey is an aerial photo, provide the source, date, series and the aerial photo identification number.

Lane county tax lot map and Google Earth imagery used to create map.

Map Checklist

Please be sure that the map you submit includes ALL the items listed below.
(Reminder: Incomplete maps and/or claims may be returned.)

- Map on polyester film.
- Appropriate scale (1" = 400 feet, 1" = 1320 feet, or the original full-size scale of the county assessor map)
- Township, Range, Section, Donation Land Claims, and Government Lots
- If irrigation, number of acres irrigated within each projected Donation Land Claims, Government Lots, Quarter-Quarters
- Locations of meters and/or measuring devices in relationship to point of diversion or appropriation.
- Conveyance structures illustrated (pumps, reservoirs, pipelines, ditches, etc.)
- Point(s) of diversion or appropriation (illustrated and coordinates)
- Tax lot boundaries and numbers
- Source illustrated if surface water
- Disclaimer ("This map is not intended to provide legal dimensions or locations of property ownership lines")
- Application and permit number or transfer number
- North arrow
- Legend
- CWRE stamp and signature



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WELL TEST ANALYSIS

Data Set: Z:\7108 Harder\21-0104\PumpTest Harder_Butler.aqt
 Date: 10/25/21 Time: 08:01:44

PROJECT INFORMATION

Company: EGR and Associates
 Client: Harder Water Right
 Project: 7108
 Location: 28501 Bodenhamer
 Test Well: 12203
 Test Date: 10-19-21

AQUIFER DATA

Saturated Thickness: 40. ft Anisotropy Ratio (Kz/Kr): 0.01

WELL DATA

| Pumping Wells | | | Observation Wells | | |
|---------------|--------|--------|-------------------|--------|--------|
| Well Name | X (ft) | Y (ft) | Well Name | X (ft) | Y (ft) |
| LANE 12203 | 0 | 0 | □ LANE 12203 | 0 | 0 |

SOLUTION

Aquifer Model: Confined Solution Method: Butler
 $T1 = 0.00217 \text{ ft}^2/\text{sec}$ $S1 = 0.2966$
 $T2 = 0.01667 \text{ ft}^2/\text{sec}$ $S2 = 0.001$
 $R = 1. \text{ ft}$

HARDER PUMP TEST HAND MEASUREMENTS

| TIME | ELAPSED TIME | DTW | DRAWDOWN | PUMPING RATE (gpm) | NOTES |
|-------|--------------|-------|----------|--------------------|------------|
| 10:36 | 0 | 11.75 | 0 | | 27 PUMP ON |
| 10:38 | 2 | 24.7 | 12.95 | | |
| 10:40 | 4 | 26.12 | 14.37 | | |
| 10:42 | 6 | 26.12 | 14.37 | | |
| 10:44 | 8 | 26.12 | 14.37 | | |
| 10:46 | 10 | 26.11 | 14.36 | | |
| 10:51 | 15 | 26.18 | 14.43 | | |
| 10:56 | 20 | 26.12 | 14.37 | | |
| 11:01 | 25 | 26.15 | 14.4 | | |
| 11:06 | 30 | 26.21 | 14.46 | | |
| 11:21 | 45 | 26.6 | 14.85 | | |
| 11:36 | 60 | 26.7 | 14.95 | | |
| 11:51 | 75 | 26.69 | 14.94 | | |
| 12:06 | 90 | 26.79 | 15.04 | | |
| 12:21 | 105 | 26.8 | 15.05 | | |
| 12:36 | 120 | 26.81 | 15.06 | | |
| 12:51 | 135 | 26.79 | 15.04 | | |
| 13:06 | 150 | 26.82 | 15.07 | | |
| 13:21 | 165 | 26.86 | 15.11 | | |
| 13:36 | 180 | 26.93 | 15.18 | | |
| 13:51 | 195 | 26.82 | 15.07 | | |
| 14:06 | 210 | 26.32 | 14.57 | | |
| 14:21 | 225 | 26.6 | 14.85 | | |
| 14:36 | 240 | 26.51 | 14.76 | | 0 PUMP OFF |
| 14:38 | 242 | 13.74 | 1.99 | | |
| 14:40 | 244 | 13.23 | 1.48 | | |
| 14:42 | 246 | 13.1 | 1.35 | | |

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Well 1 Pump Test Datalogger Data

| Date | Elapsed Time (mins) | Time | LEVEL | Drawdown |
|------------|---------------------|----------------|--------|----------|
| 10/19/2021 | | 9 10:35:47 AM | 48.602 | 0 |
| 10/19/2021 | | 10 10:36:47 AM | 40.81 | 7.792 |
| 10/19/2021 | | 11 10:37:47 AM | 36.413 | 12.189 |
| 10/19/2021 | | 12 10:38:47 AM | 34.957 | 13.645 |
| 10/19/2021 | | 13 10:39:47 AM | 34.421 | 14.181 |
| 10/19/2021 | | 14 10:40:47 AM | 34.305 | 14.297 |
| 10/19/2021 | | 15 10:41:47 AM | 34.328 | 14.274 |
| 10/19/2021 | | 16 10:42:47 AM | 34.284 | 14.318 |
| 10/19/2021 | | 17 10:43:47 AM | 34.365 | 14.237 |
| 10/19/2021 | | 18 10:44:47 AM | 34.269 | 14.333 |
| 10/19/2021 | | 19 10:45:47 AM | 34.245 | 14.357 |
| 10/19/2021 | | 20 10:46:47 AM | 34.231 | 14.371 |
| 10/19/2021 | | 21 10:47:47 AM | 34.208 | 14.394 |
| 10/19/2021 | | 22 10:48:47 AM | 34.288 | 14.314 |
| 10/19/2021 | | 23 10:49:47 AM | 34.243 | 14.359 |
| 10/19/2021 | | 24 10:50:47 AM | 34.21 | 14.392 |
| 10/19/2021 | | 25 10:51:47 AM | 34.203 | 14.399 |
| 10/19/2021 | | 26 10:52:47 AM | 34.399 | 14.203 |
| 10/19/2021 | | 27 10:53:47 AM | 34.486 | 14.116 |
| 10/19/2021 | | 28 10:54:47 AM | 34.325 | 14.277 |
| 10/19/2021 | | 29 10:55:47 AM | 34.271 | 14.331 |
| 10/19/2021 | | 30 10:56:47 AM | 34.296 | 14.306 |
| 10/19/2021 | | 31 10:57:47 AM | 34.263 | 14.339 |
| 10/19/2021 | | 32 10:58:47 AM | 34.21 | 14.392 |
| 10/19/2021 | | 33 10:59:47 AM | 34.231 | 14.371 |
| 10/19/2021 | | 34 11:00:47 AM | 34.19 | 14.412 |
| 10/19/2021 | | 35 11:01:47 AM | 34.19 | 14.412 |
| 10/19/2021 | | 36 11:02:47 AM | 34.206 | 14.396 |
| 10/19/2021 | | 37 11:03:47 AM | 34.14 | 14.462 |
| 10/19/2021 | | 38 11:04:47 AM | 34.152 | 14.45 |
| 10/19/2021 | | 39 11:05:47 AM | 34.225 | 14.377 |
| 10/19/2021 | | 40 11:06:47 AM | 34.204 | 14.398 |
| 10/19/2021 | | 41 11:07:47 AM | 34.003 | 14.599 |
| 10/19/2021 | | 42 11:08:47 AM | 33.94 | 14.662 |
| 10/19/2021 | | 43 11:09:47 AM | 33.936 | 14.666 |
| 10/19/2021 | | 44 11:10:47 AM | 33.954 | 14.648 |
| 10/19/2021 | | 45 11:11:47 AM | 33.904 | 14.698 |
| 10/19/2021 | | 46 11:12:47 AM | 33.864 | 14.738 |
| 10/19/2021 | | 47 11:13:47 AM | 33.823 | 14.779 |
| 10/19/2021 | | 48 11:14:47 AM | 33.829 | 14.773 |
| 10/19/2021 | | 49 11:15:47 AM | 33.759 | 14.843 |
| 10/19/2021 | | 50 11:16:47 AM | 33.831 | 14.771 |
| 10/19/2021 | | 51 11:17:47 AM | 33.886 | 14.716 |
| 10/19/2021 | | 52 11:18:47 AM | 33.782 | 14.82 |
| 10/19/2021 | | 53 11:19:47 AM | 33.781 | 14.821 |

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| | | | | |
|------------|-----|-------------|--------|--------|
| 10/19/2021 | 54 | 11:20:47 AM | 33.817 | 14.785 |
| 10/19/2021 | 55 | 11:21:47 AM | 33.809 | 14.793 |
| 10/19/2021 | 56 | 11:22:47 AM | 33.9 | 14.702 |
| 10/19/2021 | 57 | 11:23:47 AM | 34.178 | 14.424 |
| 10/19/2021 | 58 | 11:24:47 AM | 33.838 | 14.764 |
| 10/19/2021 | 59 | 11:25:47 AM | 33.826 | 14.776 |
| 10/19/2021 | 60 | 11:26:47 AM | 33.804 | 14.798 |
| 10/19/2021 | 61 | 11:27:47 AM | 34.038 | 14.564 |
| 10/19/2021 | 62 | 11:28:47 AM | 33.851 | 14.751 |
| 10/19/2021 | 63 | 11:29:47 AM | 33.75 | 14.852 |
| 10/19/2021 | 64 | 11:30:47 AM | 33.779 | 14.823 |
| 10/19/2021 | 65 | 11:31:47 AM | 33.718 | 14.884 |
| 10/19/2021 | 66 | 11:32:47 AM | 33.663 | 14.939 |
| 10/19/2021 | 67 | 11:33:47 AM | 33.735 | 14.867 |
| 10/19/2021 | 68 | 11:34:47 AM | 33.781 | 14.821 |
| 10/19/2021 | 69 | 11:35:47 AM | 33.764 | 14.838 |
| 10/19/2021 | 70 | 11:36:47 AM | 33.773 | 14.829 |
| 10/19/2021 | 71 | 11:37:47 AM | 33.765 | 14.837 |
| 10/19/2021 | 72 | 11:38:47 AM | 33.72 | 14.882 |
| 10/19/2021 | 73 | 11:39:47 AM | 33.725 | 14.877 |
| 10/19/2021 | 74 | 11:40:47 AM | 33.785 | 14.817 |
| 10/19/2021 | 75 | 11:41:47 AM | 33.744 | 14.858 |
| 10/19/2021 | 76 | 11:42:47 AM | 33.721 | 14.881 |
| 10/19/2021 | 77 | 11:43:47 AM | 33.721 | 14.881 |
| 10/19/2021 | 78 | 11:44:47 AM | 33.98 | 14.622 |
| 10/19/2021 | 79 | 11:45:47 AM | 33.818 | 14.784 |
| 10/19/2021 | 80 | 11:46:47 AM | 33.783 | 14.819 |
| 10/19/2021 | 81 | 11:47:47 AM | 33.722 | 14.88 |
| 10/19/2021 | 82 | 11:48:47 AM | 33.733 | 14.869 |
| 10/19/2021 | 83 | 11:49:47 AM | 33.704 | 14.898 |
| 10/19/2021 | 84 | 11:50:47 AM | 33.676 | 14.926 |
| 10/19/2021 | 85 | 11:51:47 AM | 33.689 | 14.913 |
| 10/19/2021 | 86 | 11:52:47 AM | 33.707 | 14.895 |
| 10/19/2021 | 87 | 11:53:47 AM | 33.654 | 14.948 |
| 10/19/2021 | 88 | 11:54:47 AM | 34.052 | 14.55 |
| 10/19/2021 | 89 | 11:55:47 AM | 33.759 | 14.843 |
| 10/19/2021 | 90 | 11:56:47 AM | 33.646 | 14.956 |
| 10/19/2021 | 91 | 11:57:47 AM | 33.653 | 14.949 |
| 10/19/2021 | 92 | 11:58:47 AM | 33.653 | 14.949 |
| 10/19/2021 | 93 | 11:59:47 AM | 33.605 | 14.997 |
| 10/19/2021 | 94 | 12:00:47 PM | 33.684 | 14.918 |
| 10/19/2021 | 95 | 12:01:47 PM | 33.683 | 14.919 |
| 10/19/2021 | 96 | 12:02:47 PM | 33.673 | 14.929 |
| 10/19/2021 | 97 | 12:03:47 PM | 33.628 | 14.974 |
| 10/19/2021 | 98 | 12:04:47 PM | 33.546 | 15.056 |
| 10/19/2021 | 99 | 12:05:47 PM | 33.64 | 14.962 |
| 10/19/2021 | 100 | 12:06:47 PM | 33.652 | 14.95 |

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| 10/19/2021 | 101 | 12:07:47 PM | 33.637 | 14.965 |
| 10/19/2021 | 102 | 12:08:47 PM | 33.955 | 14.647 |
| 10/19/2021 | 103 | 12:09:47 PM | 33.691 | 14.911 |
| 10/19/2021 | 104 | 12:10:47 PM | 33.61 | 14.992 |
| 10/19/2021 | 105 | 12:11:47 PM | 33.597 | 15.005 |
| 10/19/2021 | 106 | 12:12:47 PM | 33.63 | 14.972 |
| 10/19/2021 | 107 | 12:13:47 PM | 33.619 | 14.983 |
| 10/19/2021 | 108 | 12:14:47 PM | 33.645 | 14.957 |
| 10/19/2021 | 109 | 12:15:47 PM | 33.568 | 15.034 |
| 10/19/2021 | 110 | 12:16:47 PM | 33.565 | 15.037 |
| 10/19/2021 | 111 | 12:17:47 PM | 33.618 | 14.984 |
| 10/19/2021 | 112 | 12:18:47 PM | 33.621 | 14.981 |
| 10/19/2021 | 113 | 12:19:47 PM | 33.65 | 14.952 |
| 10/19/2021 | 114 | 12:20:47 PM | 33.622 | 14.98 |
| 10/19/2021 | 115 | 12:21:47 PM | 33.636 | 14.966 |
| 10/19/2021 | 116 | 12:22:47 PM | 33.828 | 14.774 |
| 10/19/2021 | 117 | 12:23:47 PM | 33.669 | 14.933 |
| 10/19/2021 | 118 | 12:24:47 PM | 33.541 | 15.061 |
| 10/19/2021 | 119 | 12:25:47 PM | 33.521 | 15.081 |
| 10/19/2021 | 120 | 12:26:47 PM | 33.595 | 15.007 |
| 10/19/2021 | 121 | 12:27:47 PM | 33.611 | 14.991 |
| 10/19/2021 | 122 | 12:28:47 PM | 33.557 | 15.045 |
| 10/19/2021 | 123 | 12:29:47 PM | 33.567 | 15.035 |
| 10/19/2021 | 124 | 12:30:47 PM | 33.538 | 15.064 |
| 10/19/2021 | 125 | 12:31:47 PM | 33.534 | 15.068 |
| 10/19/2021 | 126 | 12:32:47 PM | 33.633 | 14.969 |
| 10/19/2021 | 127 | 12:33:47 PM | 33.603 | 14.999 |
| 10/19/2021 | 128 | 12:34:47 PM | 33.629 | 14.973 |
| 10/19/2021 | 129 | 12:35:47 PM | 33.522 | 15.08 |
| 10/19/2021 | 130 | 12:36:47 PM | 33.897 | 14.705 |
| 10/19/2021 | 131 | 12:37:47 PM | 33.794 | 14.808 |
| 10/19/2021 | 132 | 12:38:47 PM | 33.652 | 14.95 |
| 10/19/2021 | 133 | 12:39:47 PM | 33.594 | 15.008 |
| 10/19/2021 | 134 | 12:40:47 PM | 33.63 | 14.972 |
| 10/19/2021 | 135 | 12:41:47 PM | 33.543 | 15.059 |
| 10/19/2021 | 136 | 12:42:47 PM | 33.6 | 15.002 |
| 10/19/2021 | 137 | 12:43:47 PM | 33.542 | 15.06 |
| 10/19/2021 | 138 | 12:44:47 PM | 33.529 | 15.073 |
| 10/19/2021 | 139 | 12:45:47 PM | 33.719 | 14.883 |
| 10/19/2021 | 140 | 12:46:47 PM | 33.664 | 14.938 |
| 10/19/2021 | 141 | 12:47:47 PM | 33.661 | 14.941 |
| 10/19/2021 | 142 | 12:48:47 PM | 33.583 | 15.019 |
| 10/19/2021 | 143 | 12:49:47 PM | 33.64 | 14.962 |
| 10/19/2021 | 144 | 12:50:47 PM | 33.669 | 14.933 |
| 10/19/2021 | 145 | 12:51:47 PM | 33.571 | 15.031 |
| 10/19/2021 | 146 | 12:52:47 PM | 33.587 | 15.015 |
| 10/19/2021 | 147 | 12:53:47 PM | 33.803 | 14.799 |

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|------------|-----|-------------|--------|--------|
| 10/19/2021 | 148 | 12:54:47 PM | 33.611 | 14.991 |
| 10/19/2021 | 149 | 12:55:47 PM | 33.535 | 15.067 |
| 10/19/2021 | 150 | 12:56:47 PM | 33.53 | 15.072 |
| 10/19/2021 | 151 | 12:57:47 PM | 33.549 | 15.053 |
| 10/19/2021 | 152 | 12:58:47 PM | 33.511 | 15.091 |
| 10/19/2021 | 153 | 12:59:47 PM | 33.619 | 14.983 |
| 10/19/2021 | 154 | 1:00:47 PM | 33.561 | 15.041 |
| 10/19/2021 | 155 | 1:01:47 PM | 33.582 | 15.02 |
| 10/19/2021 | 156 | 1:02:47 PM | 33.546 | 15.056 |
| 10/19/2021 | 157 | 1:03:47 PM | 33.495 | 15.107 |
| 10/19/2021 | 158 | 1:04:47 PM | 33.763 | 14.839 |
| 10/19/2021 | 159 | 1:05:47 PM | 33.61 | 14.992 |
| 10/19/2021 | 160 | 1:06:47 PM | 33.505 | 15.097 |
| 10/19/2021 | 161 | 1:07:47 PM | 33.508 | 15.094 |
| 10/19/2021 | 162 | 1:08:47 PM | 33.594 | 15.008 |
| 10/19/2021 | 163 | 1:09:47 PM | 33.484 | 15.118 |
| 10/19/2021 | 164 | 1:10:47 PM | 33.583 | 15.019 |
| 10/19/2021 | 165 | 1:11:47 PM | 33.537 | 15.065 |
| 10/19/2021 | 166 | 1:12:47 PM | 33.493 | 15.109 |
| 10/19/2021 | 167 | 1:13:47 PM | 33.536 | 15.066 |
| 10/19/2021 | 168 | 1:14:47 PM | 33.491 | 15.111 |
| 10/19/2021 | 169 | 1:15:47 PM | 33.586 | 15.016 |
| 10/19/2021 | 170 | 1:16:47 PM | 33.487 | 15.115 |
| 10/19/2021 | 171 | 1:17:47 PM | 33.488 | 15.114 |
| 10/19/2021 | 172 | 1:18:47 PM | 33.555 | 15.047 |
| 10/19/2021 | 173 | 1:19:47 PM | 33.5 | 15.102 |
| 10/19/2021 | 174 | 1:20:47 PM | 33.517 | 15.085 |
| 10/19/2021 | 175 | 1:21:47 PM | 33.534 | 15.068 |
| 10/19/2021 | 176 | 1:22:47 PM | 33.48 | 15.122 |
| 10/19/2021 | 177 | 1:23:47 PM | 33.731 | 14.871 |
| 10/19/2021 | 178 | 1:24:47 PM | 33.607 | 14.995 |
| 10/19/2021 | 179 | 1:25:47 PM | 33.564 | 15.038 |
| 10/19/2021 | 180 | 1:26:47 PM | 33.6 | 15.002 |
| 10/19/2021 | 181 | 1:27:47 PM | 33.497 | 15.105 |
| 10/19/2021 | 182 | 1:28:47 PM | 33.715 | 14.887 |
| 10/19/2021 | 183 | 1:29:47 PM | 33.561 | 15.041 |
| 10/19/2021 | 184 | 1:30:47 PM | 33.475 | 15.127 |
| 10/19/2021 | 185 | 1:31:47 PM | 33.457 | 15.145 |
| 10/19/2021 | 186 | 1:32:47 PM | 33.493 | 15.109 |
| 10/19/2021 | 187 | 1:33:47 PM | 33.444 | 15.158 |
| 10/19/2021 | 188 | 1:34:47 PM | 33.406 | 15.196 |
| 10/19/2021 | 189 | 1:35:47 PM | 33.498 | 15.104 |
| 10/19/2021 | 190 | 1:36:47 PM | 33.466 | 15.136 |
| 10/19/2021 | 191 | 1:37:47 PM | 33.383 | 15.219 |
| 10/19/2021 | 192 | 1:38:47 PM | 33.51 | 15.092 |
| 10/19/2021 | 193 | 1:39:47 PM | 33.427 | 15.175 |
| 10/19/2021 | 194 | 1:40:47 PM | 33.437 | 15.165 |

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|------------|-----|------------|--------|--------|
| 10/19/2021 | 195 | 1:41:47 PM | 33.502 | 15.1 |
| 10/19/2021 | 196 | 1:42:47 PM | 33.402 | 15.2 |
| 10/19/2021 | 197 | 1:43:47 PM | 33.431 | 15.171 |
| 10/19/2021 | 198 | 1:44:47 PM | 33.696 | 14.906 |
| 10/19/2021 | 199 | 1:45:47 PM | 33.582 | 15.02 |
| 10/19/2021 | 200 | 1:46:47 PM | 33.572 | 15.03 |
| 10/19/2021 | 201 | 1:47:47 PM | 33.596 | 15.006 |
| 10/19/2021 | 202 | 1:48:47 PM | 33.503 | 15.099 |
| 10/19/2021 | 203 | 1:49:47 PM | 33.515 | 15.087 |
| 10/19/2021 | 204 | 1:50:47 PM | 33.623 | 14.979 |
| 10/19/2021 | 205 | 1:51:47 PM | 33.523 | 15.079 |
| 10/19/2021 | 206 | 1:52:47 PM | 33.573 | 15.029 |
| 10/19/2021 | 207 | 1:53:47 PM | 33.632 | 14.97 |
| 10/19/2021 | 208 | 1:54:47 PM | 33.784 | 14.818 |
| 10/19/2021 | 209 | 1:55:47 PM | 33.701 | 14.901 |
| 10/19/2021 | 210 | 1:56:47 PM | 33.645 | 14.957 |
| 10/19/2021 | 211 | 1:57:47 PM | 33.657 | 14.945 |
| 10/19/2021 | 212 | 1:58:47 PM | 33.723 | 14.879 |
| 10/19/2021 | 213 | 1:59:47 PM | 33.804 | 14.798 |
| 10/19/2021 | 214 | 2:00:47 PM | 33.855 | 14.747 |
| 10/19/2021 | 215 | 2:01:47 PM | 33.858 | 14.744 |
| 10/19/2021 | 216 | 2:02:47 PM | 33.867 | 14.735 |
| 10/19/2021 | 217 | 2:03:47 PM | 33.883 | 14.719 |
| 10/19/2021 | 218 | 2:04:47 PM | 33.94 | 14.662 |
| 10/19/2021 | 219 | 2:05:47 PM | 34.11 | 14.492 |
| 10/19/2021 | 220 | 2:06:47 PM | 34.022 | 14.58 |
| 10/19/2021 | 221 | 2:07:47 PM | 34.088 | 14.514 |
| 10/19/2021 | 222 | 2:08:47 PM | 34.033 | 14.569 |
| 10/19/2021 | 223 | 2:09:47 PM | 33.907 | 14.695 |
| 10/19/2021 | 224 | 2:10:47 PM | 33.774 | 14.828 |
| 10/19/2021 | 225 | 2:11:47 PM | 33.729 | 14.873 |
| 10/19/2021 | 226 | 2:12:47 PM | 33.769 | 14.833 |
| 10/19/2021 | 227 | 2:13:47 PM | 33.824 | 14.778 |
| 10/19/2021 | 228 | 2:14:47 PM | 33.837 | 14.765 |
| 10/19/2021 | 229 | 2:15:47 PM | 33.753 | 14.849 |
| 10/19/2021 | 230 | 2:16:47 PM | 33.817 | 14.785 |
| 10/19/2021 | 231 | 2:17:47 PM | 33.803 | 14.799 |
| 10/19/2021 | 232 | 2:18:47 PM | 33.848 | 14.754 |
| 10/19/2021 | 233 | 2:19:47 PM | 33.828 | 14.774 |
| 10/19/2021 | 234 | 2:20:47 PM | 33.774 | 14.828 |
| 10/19/2021 | 235 | 2:21:47 PM | 33.636 | 14.966 |
| 10/19/2021 | 236 | 2:22:47 PM | 33.528 | 15.074 |
| 10/19/2021 | 237 | 2:23:47 PM | 33.655 | 14.947 |
| 10/19/2021 | 238 | 2:24:47 PM | 33.594 | 15.008 |
| 10/19/2021 | 239 | 2:25:47 PM | 33.712 | 14.89 |
| 10/19/2021 | 240 | 2:26:47 PM | 33.627 | 14.975 |
| 10/19/2021 | 241 | 2:27:47 PM | 33.62 | 14.982 |

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|------------|-----|------------|--------|--------|
| 10/19/2021 | 242 | 2:28:47 PM | 33.759 | 14.843 |
| 10/19/2021 | 243 | 2:29:47 PM | 33.726 | 14.876 |
| 10/19/2021 | 244 | 2:30:47 PM | 33.768 | 14.834 |
| 10/19/2021 | 245 | 2:31:47 PM | 33.804 | 14.798 |
| 10/19/2021 | 246 | 2:32:47 PM | 33.8 | 14.802 |
| 10/19/2021 | 247 | 2:33:47 PM | 33.74 | 14.862 |
| 10/19/2021 | 248 | 2:34:47 PM | 33.842 | 14.76 |
| 10/19/2021 | 249 | 2:35:47 PM | 33.8 | 14.802 |
| 10/19/2021 | 250 | 2:36:47 PM | 40.989 | 7.613 |
| 10/19/2021 | 251 | 2:37:47 PM | 46.13 | 2.472 |
| 10/19/2021 | 252 | 2:38:47 PM | 46.885 | 1.717 |
| 10/19/2021 | 253 | 2:39:47 PM | 47.036 | 1.566 |
| 10/19/2021 | 254 | 2:40:47 PM | 47.128 | 1.474 |
| 10/19/2021 | 255 | 2:41:47 PM | 47.208 | 1.394 |
| 10/19/2021 | 256 | 2:42:47 PM | 47.28 | 1.322 |
| 10/19/2021 | 257 | 2:43:47 PM | 47.343 | 1.259 |
| 10/19/2021 | 258 | 2:44:47 PM | 47.397 | 1.205 |
| 10/19/2021 | 259 | 2:45:47 PM | 47.448 | 1.154 |
| 10/19/2021 | 260 | 2:46:47 PM | 47.497 | 1.105 |
| 10/19/2021 | 261 | 2:47:47 PM | 47.539 | 1.063 |
| 10/19/2021 | 262 | 2:48:47 PM | 47.576 | 1.026 |
| 10/19/2021 | 263 | 2:49:47 PM | 47.621 | 0.981 |
| 10/19/2021 | 264 | 2:50:47 PM | 47.652 | 0.95 |
| 10/19/2021 | 265 | 2:51:47 PM | 47.682 | 0.92 |
| 10/19/2021 | 266 | 2:52:47 PM | 47.709 | 0.893 |
| 10/19/2021 | 267 | 2:53:47 PM | 47.739 | 0.863 |
| 10/19/2021 | 268 | 2:54:47 PM | 47.769 | 0.833 |
| 10/19/2021 | 269 | 2:55:47 PM | 47.795 | 0.807 |
| 10/19/2021 | 270 | 2:56:47 PM | 47.821 | 0.781 |
| 10/19/2021 | 271 | 2:57:47 PM | 47.844 | 0.758 |
| 10/19/2021 | 272 | 2:58:47 PM | 47.863 | 0.739 |
| 10/19/2021 | 273 | 2:59:47 PM | 47.886 | 0.716 |
| 10/19/2021 | 274 | 3:00:47 PM | 47.905 | 0.697 |
| 10/19/2021 | 275 | 3:01:47 PM | 47.926 | 0.676 |
| 10/19/2021 | 276 | 3:02:47 PM | 47.944 | 0.658 |
| 10/19/2021 | 277 | 3:03:47 PM | 47.964 | 0.638 |
| 10/19/2021 | 278 | 3:04:47 PM | 47.979 | 0.623 |
| 10/19/2021 | 279 | 3:05:47 PM | 47.993 | 0.609 |
| 10/19/2021 | 280 | 3:06:47 PM | 48.009 | 0.593 |
| 10/19/2021 | 281 | 3:07:47 PM | 48.022 | 0.58 |
| 10/19/2021 | 282 | 3:08:47 PM | 48.038 | 0.564 |
| 10/19/2021 | 283 | 3:09:47 PM | 48.053 | 0.549 |
| 10/19/2021 | 284 | 3:10:47 PM | 48.067 | 0.535 |
| 10/19/2021 | 285 | 3:11:47 PM | 48.079 | 0.523 |
| 10/19/2021 | 286 | 3:12:47 PM | 48.088 | 0.514 |
| 10/19/2021 | 287 | 3:13:47 PM | 48.101 | 0.501 |
| 10/19/2021 | 288 | 3:14:47 PM | 48.113 | 0.489 |

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