

**IN THE DISTRICT COURT OF THE FIFTH JUDICIAL DISTRICT OF THE
STATE OF IDAHO, IN AND FOR THE COUNTY OF TWIN FALLS**

**IN RE THE GENERAL ADJUDICATION
OF RIGHTS TO THE USE OF WATER FROM
THE BEAR RIVER BASIN WATER SYSTEM**

CIVIL CASE NUMBER: 79576

Claim ID: 13-291
Date Received: 1/7/25
Receipt No: P001701
Claim Fee: \$100.00 By: MB

RECEIVED

JAN 07 2025

**NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW**

IDWR/Preston

Please type or print clearly

1. Name of claimant(s) City of Clifton Phone (208) 339 8500
Mailing address PO Box 37 Clifton ID 83228
Street or Box City State
Email address (optional) cliftoncity@gmail.com
2. Date of priority: (Only one per claim) 11/7/1955 (Explain priority date selected in Remarks)
Month/Day/Year (YYYY)
3. Source of water supply (Check one) Ground Water (✓) or Other () (a) _____
which is tributary to (b) _____
4. a. Location of point of diversion is: Township 14S, Range 38E, Section 22,
SE 1/4 of NW 1/4, Govt. Lot _____, BM, County of Franklin
Parcel no. _____
Additional points of diversion, if any: NESW
If available, GPS Coordinates _____
b. If instream flow, beginning point of claimed instream flow is:
Township _____, Range _____, Section _____, _____ 1/4 of _____ 1/4,
Govt. Lot _____, BM, County of _____
Ending point is: Township _____, Range _____, Section _____, _____ 1/4 of _____ 1/4,
Govt. Lot _____, BM, County of _____
5. Description of existing diversion works (dams, reservoirs, ditches, wells, pumps, pipelines, headgates, etc.),
including the dates of any changes or enlargements in use, the dimensions of the diversion works as
constructed and as enlarged and the depth of each well.
2 Wells piped to Clifton City residents. Water is currently stored in 100,000 gal and 50,000 gal tanks, and
gravity fed to city.

6. Water is claimed for the following purposes:

(dates are inclusive MM-DD) (cfs) (acre-feet)

For Municipal purposes from 1/1 to 12/31 amount 0.5 or _____

For _____ purposes from _____ to _____ amount _____ or _____

For _____ purposes from _____ to _____ amount _____ or _____

For _____ purposes from _____ to _____ amount _____ or _____

7. Total quantity claimed (a) 0.5 (cfs) and/or (b) _____ (acre-feet)

8. Non-irrigation uses; describe fully (e.g., Domestic: Give number of households served; Stockwater: Type and number of livestock, etc.) _____

9. Description of place of use:

- If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- If water is used for other purposes, place a symbol of use (example: D for Domestic) in the corresponding place of use below. See instructions for standard symbols.

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	

Parcel no(s). See Map Total number of acres irrigated _____

10. In which county(ies) are lands listed above as place of use located? Franklin

11. Do you own the property listed above as place of use? Yes () No (☒)
If your answer is No, describe in Remarks below the authority you have to claim this water right.

12. Describe any other water rights used at the same place and for the same purposes as described above.
13-4213 or None ()

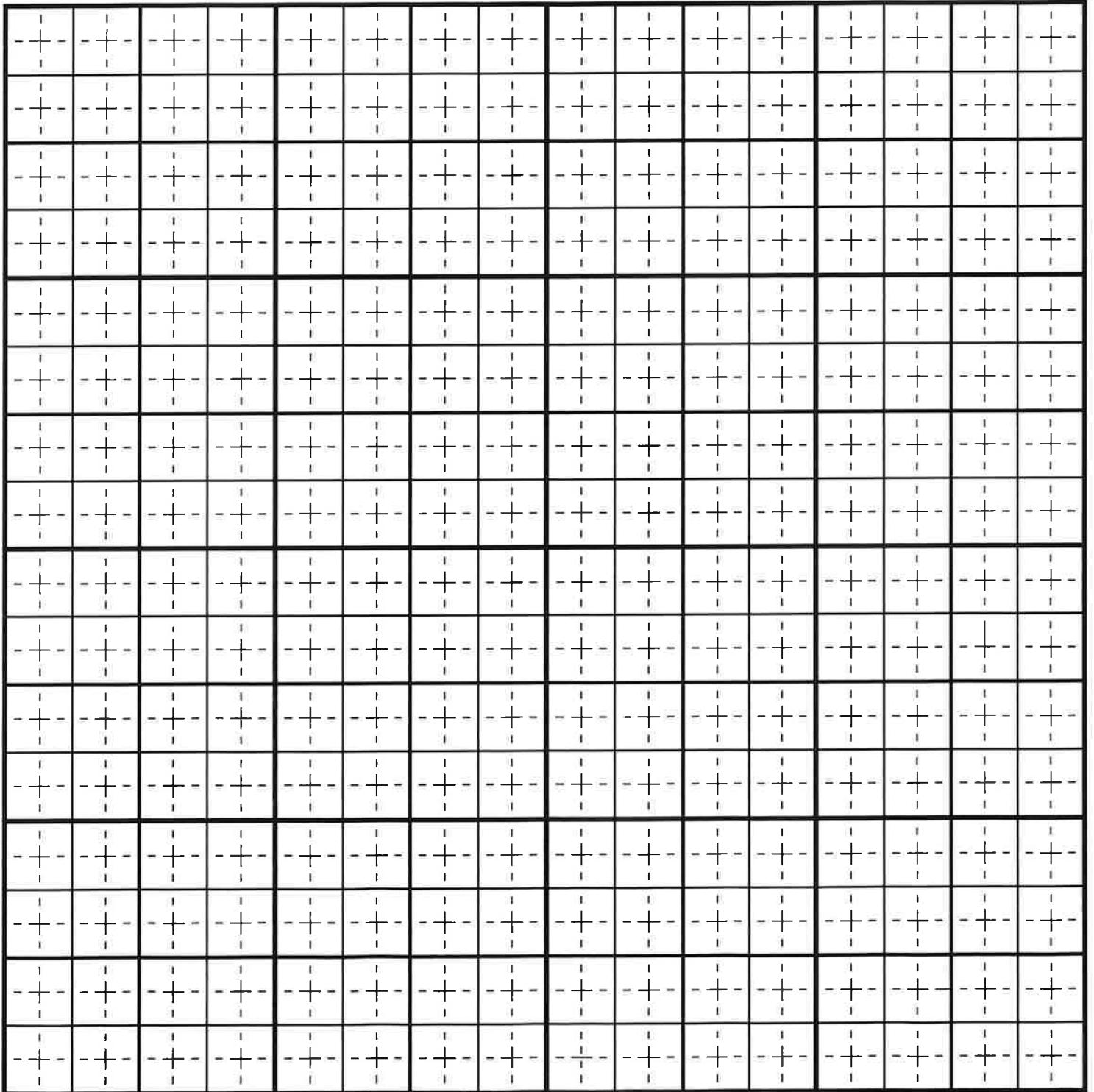
13. Remarks (Include an explanation of the priority date selected):

This is the licensed priority date and use continues today. The first well has been used since 1955 and in 2020 Clifton needed a second point of diversion and drilled a second well. The first attempt produced water tainted with manganese so we are in the process of drilling a second attempt. See Engineering Report and Mayor letter attached for verifying evidence supporting the higher rate of water used than license allowance.

Name of claimant(s) _____ Claim ID _____

Map of Project: Attach aerial photograph or topographic map showing clearly the point of diversion, place of use, section number, township, and range number, unless unavailable. Otherwise sketch the elements above on the grid below.

Scale: 2 inches equals 1 mile



Name of claimant(s) _____ Claim ID _____

14. Basis of claim (Check one) Beneficial Use () Posted Notice () License (✓) Permit () Decree ()

Court _____ Decree Date _____ Plaintiff v. Defendant _____

If applicable provide IDWR Water Right Number 13-2191

15. Signature(s)

(a.) By signing below, I/We acknowledge that I/We have received, read and understand the form entitled "How you will receive notices in the Bear River Basin Water System Adjudication."

(b.) I/We do () do not () wish to receive and pay a small annual fee for monthly copies of the docket sheet.

Number of attachments: _____

For Individuals: I/We do solemnly swear or affirm under penalty of perjury that the statements contained in the foregoing document are true and correct.

Signature of Claimant (s) _____ Date: _____

Date: _____

For Organizations: I do solemnly swear or affirm under penalty of perjury that I am, and that I have signed the foregoing document in the space below as the

Mayor of City of Clifton
Agent's title (Please print) Name of organization (Please print)

and that the statements contained in the foregoing document are true and correct.

Signature of Authorized Agent [Signature] Date Dec 30, 2024

Printed Name of Authorized Agent Lucas E. Lombard

16. Notice of Appearance:

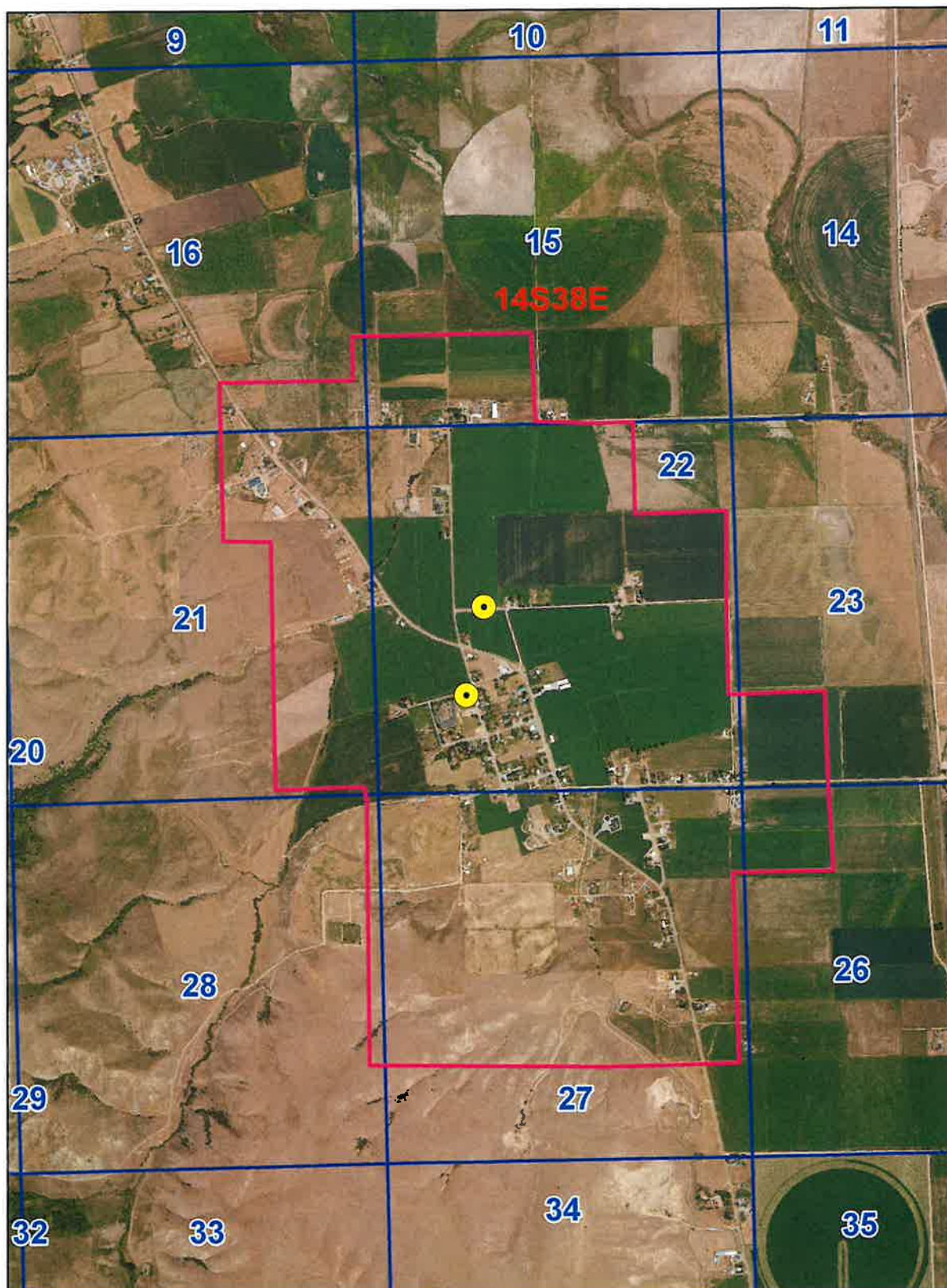
Notice is hereby given that I, (please print) _____, will be acting as attorney at law on behalf of the claimant signing above, and that all notices required by law to be mailed by the director to the claimant signing above should be mailed to me at the address listed below.

Signature _____ Date _____

Address _____

Name of claimant(s) _____ Claim ID _____

City of Clifton Water Right 13-2191



Legend





Civilize, PLLC

Management and Engineering

December 30, 2024

Lucas Mumford, Mayor
P.O. Box 37
81 S 1st West
Clifton, ID 83228

SUBJ: Clifton Water Rights Adjudication - Capacity of Existing Works for Water Right 13-2191

Dear Mayor Mumford,

At your request, and in conjunction with the adjudication of water rights for the Bear River in Southern Idaho, I have researched and reviewed the files associated with water right-2191 available from IDWR, the City of Clifton, the well driller, and the pump supplier, and performed engineering analysis to determine the current and historical pumping rate for the well. The narrative below documents my research and analysis.

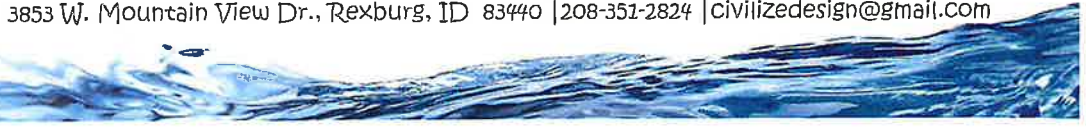
Original Diversion Works (Well and Pump) for Water Right 13-2191

According to documents publicly available in the IDWR backfile for water right 13-2191, the following information was gleaned.

- A permit to divert 0.40 cfs of the waters of the State of Idaho was approved on November 15, 1955, with a diversion point located in the SE 1/4 of the NW 1/4 of Section 22, Township 14 South Range 38 East of the Boise Meridian.
- Per letter from the Village of Clifton, the diversion works (well) appear to have been completed on July 27, 1955.
- Deposition from Mayor Choules of the Village of Clifton dated February 13, 1958, indicates, *"A well with pump that is capable of conveying 175 gpm to the place of use. The well is 201 feet deep with 12-inch casing and is 90 feet to water depth."*
- The IDWR Report of Engineer dated March 20, 1958, states, *"Well is located on north side in edge of County Road ROW. Well = 200'x12" casing to bottom. Column = 6" x 180'. h = 60'. Fairbanks-Morse 20 HP motor. Pamona Turbine. PT 5656. All housed in concrete pit with wood type roof. 4" line delivers in town mains. Pumps against 60 to 100# head."* Handwritten notes in the Report of Engineer suggest the pumping rate was 100 gpm with a top range of 150 gpm.
- The State Reclamation Engineer from IDWR issued a letter to the City dated April 14, 1958, reinstating Permit G-26054 based on the request of the City including the depositions from the Mayor and two others from February of 1958. The letter states the well is capable of conveying 0.4 cfs for domestic use in the Village of Clifton.
- The State Reclamation Engineer from IDWR issued the Certificate of Completion of Works and the License and Certificate of Water Rights issued under Permit NO. G-26054 to the Village of Clifton, confirming the right with a priority date of November 7, 1955, to the use of 0.4 second feet with a point of diversion in the SE 1/4 NW 1/4 of Section 22 for domestic use.



Imagine Sustainable Solutions to the Natural and Built Environments
3853 W. Mountain View Dr., Rexburg, ID 83440 | 208-351-2824 | civilizedesign@gmail.com



Add Point of Diversion to Water License 13-02191

Anecdotally, over time, the original well may have experienced diminishing performance. Consequently, the City applied to the IDWR to add a point of diversion located west of the community center in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 22, T14S, R38E.

- On January 24, 1997, the City of Clifton submitted a request for the Transfer of Water Right to IDWR for the drilling of a second well as an additional point of diversion.
- On July 29, 1997, IDWR mailed the City of Clifton a letter approving the transfer of water right to the new location for drilling a second well as an additional point of diversion. The conditions in the approval describe the total instantaneous diversion rate from all points of diversion under the transfer at 0.40 cfs.

It appears a well was not drilled, or unsuccessfully drilled, at the second point of diversion.

Redrill Well at Original Point of Diversion

While information other than the well driller's report was not discovered, In April of 2000, the City of Clifton modified the existing well at the original point of diversion located in the SE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 22, T14S, R38E. According to the Driller's Log, an 8-inch casing was advanced to 355' below ground surface, presumably inside the original 12-inch casing.

- The static water level was reported at 69 feet below ground surface.
- The well casing was slotted at five intervals beginning at 187' BGS and ending at 344' BGS.
- Pump testing at the time of drilling resulted in a maximum pumping rate of 254 gpm with 26 feet of drawdown for a final pumping level of 95 feet BGS.

Pumping Rate

According to Glenn's Electric records, they have performed the following work on the pump and motor.

- 2001 Replaced the pump motor.
- 2013 Replaced the pump and motor. Pump is a Grundfos 230S300-9. The pump is driven by a 230V 30 HP motor.
- 2023 Replaced pump motor.

Service records establish the pump motor has been a 30 HP motor since at least 2013. City maintenance staff and former city officials report the pump motor has been a 30 HP pump since before the modified well. The well service records indicate this may be likely as the motor was replaced in 2001, near the time the well was modified, but the pump was apparently reused suggesting the existing pump was driven by a 30 HP motor.

Referencing the pump curve for the Grundfos 230S300-9 and using information from the water model to ascertain the water pressure at the wellhead based on the elevation of the water tank, the ground surface at the wellhead, and the assumed drawdown, we can calculate an estimated pumping rate for the well. The Driller's Report provides a drawdown of 26 feet at 254 gpm in 2000. The City reports the pumping rate at approximately 210-220 gpm. However, given the pump data and the reported pumping rate, the drawdown may be more than reported in 2000 as the pump curve predicts a total head of 390 feet to 400

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Page 13

feet at those pumping rates which would translate to a pumping water level in the well of 183 feet BGS to 193 feet BGS. The pump curve for the Grundfos 230S900-9 is provided as an attachment.

Conclusions

To better understand the current and historical pumping rate, a pump test would need completed in conjunction with drawdown measurements during pumping while observing pressure at the wellhead. If the reports from the City regarding pumping rate are accurate, it may be the City has applied water in excess of 0.40 cfs to beneficial use for the last two decades and possibly prior to that.

Sincerely,

Brent E. Crowther

Brent E. "Husk" Crowther, P.E., PMP, CFM, MBA
President, Civilize, PLLC

Attach: Grundfos 230S900-9 Pump Data.

PROJECT: _____	UNIT TAG: _____	QUANTITY: _____
REPRESENTATIVE: _____	TYPE OF SERVICE: _____	DATE: _____
ENGINEER: _____	SUBMITTED BY: _____	DATE: _____
CONTRACTOR: _____	APPROVED BY: _____	DATE: _____
	ORDER NO.: _____	DATE: _____

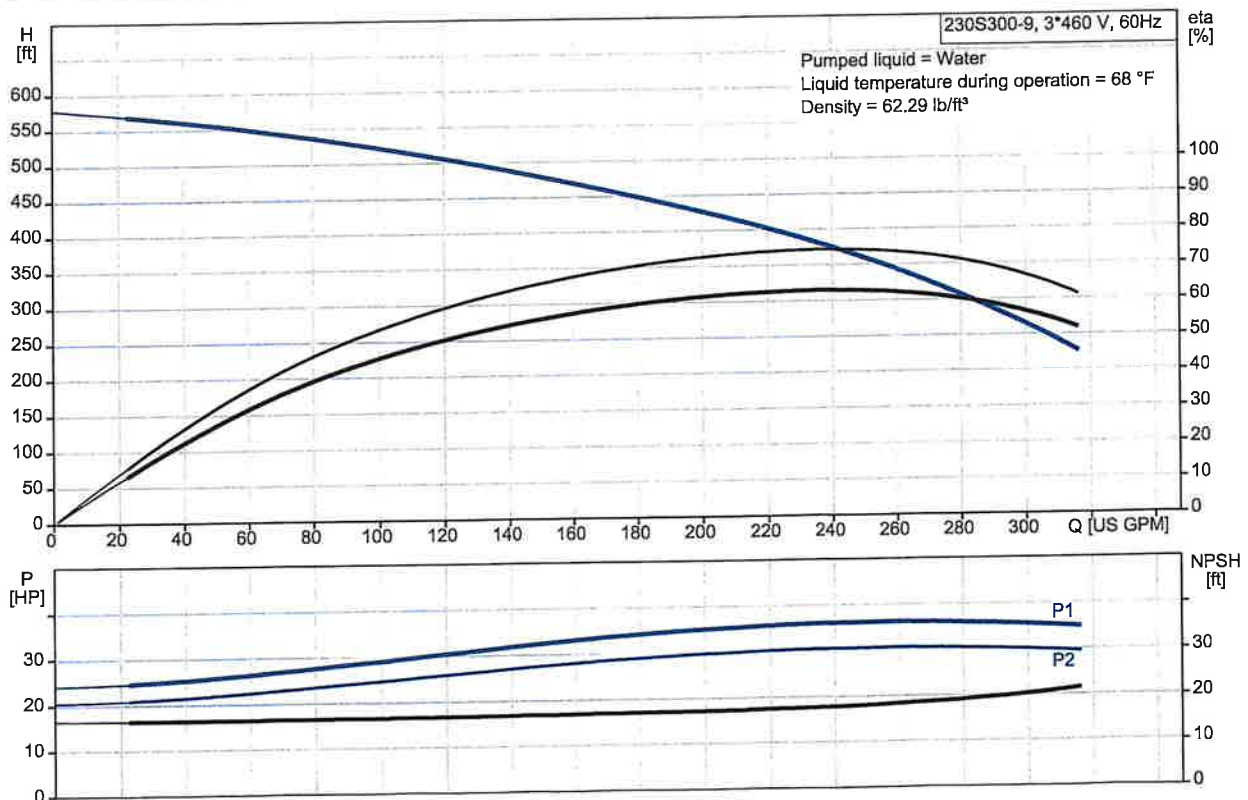


230S300-9

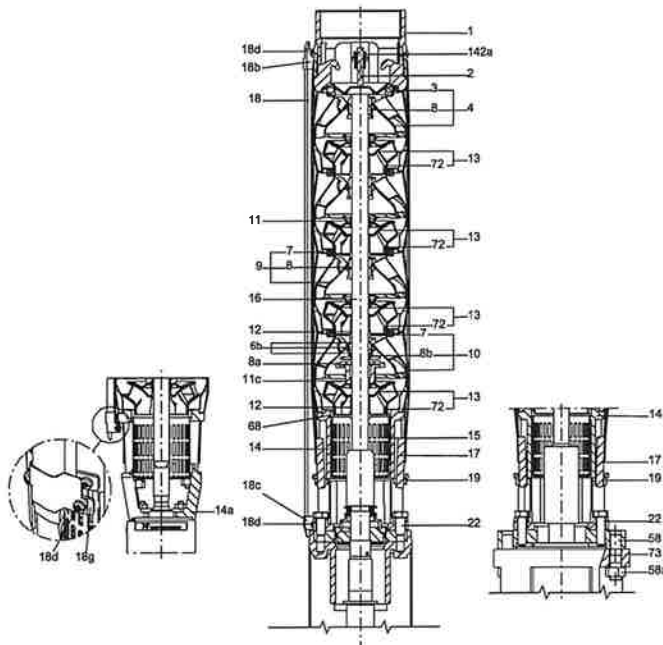
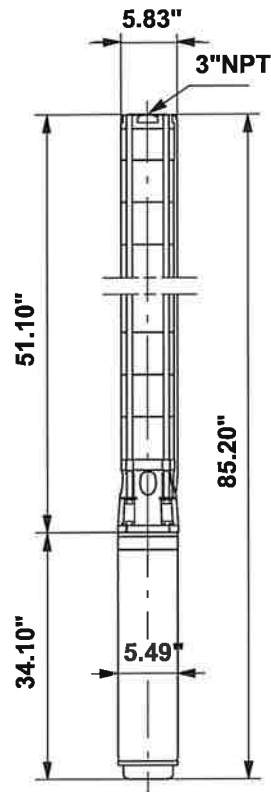
Submersible pumps in stainless steel. EN 1.4301 (AISI 304). EN 1.4401 (AISI 316). EN 1.4539 (AISI 904L). Typical application: Ground water, Irrigation, Mining, Fountain, Off-shore etc.

Note! Product picture may differ from actual product

Conditions of Service	Pump Data	Motor Data
Liquid: Water Temperature: 68 °F Specific Gravity: 1.000	Liquid temperature range: 5 .. 104 °F Product number: 15B73609	Rated power - P2: 30 HP Rated voltage: 440-460-480 V Mains frequency: 60 Hz Enclosure class: IP68 Insulation class: F Motor protection: NONE Thermal protection: external Motor type: MS6000



Submittal Data



Materials:

Impeller: Stainless steel
 Impeller: AISI 304
 Impeller: EN 1.4301
 Motor: Stainless steel
 Motor: DIN W.-Nr. 1.4301
 Motor: AISI 304

Qty.	Description
1	230S300-9  Note! Product picture may differ from actual product Product No.: 15B73609 Multi-stage submersible pump for raw water supply, groundwater lowering and pressure boosting. The pump is suitable for pumping clean, thin, non-aggressive liquids without solid particles or fibres. The motor is a 3-phase motor with sand shield, liquid-lubricated bearings and pressure equalizing diaphragm. Liquid: Pumped liquid: Water Liquid temperature range: 5 .. 104 °F Selected liquid temperature: 68 °F Density: 62.29 lb/ft³ Technical: Pump speed on which pump data are based: 3450 rpm Rated flow: 242 US GPM Rated head: 360.9 ft Shaft seal for motor: SIC/SICNBR Approvals: CULDWUS,CCSAUS Approvals for drinking water: PROP65 Curve tolerance: ISO9906:2012 3B Motor version: T40 Return valve: YES Materials: Pump: Stainless steel EN 1.4301 AISI 304 Impeller: Stainless steel EN 1.4301 AISI 304 Motor: Stainless steel DIN W.-Nr. 1.4301 AISI 304 Installation: Maximum ambient pressure: 870.23 psi Maximum operating pressure: 870.23 psi Maximum outlet pressure: 261.07 psi Type of connection: NPT(F) Size of connection: 3 inch Motor diameter: 6 inch Minimum borehole diameter: 6.1 in Electrical data:



Company name:

Created by:

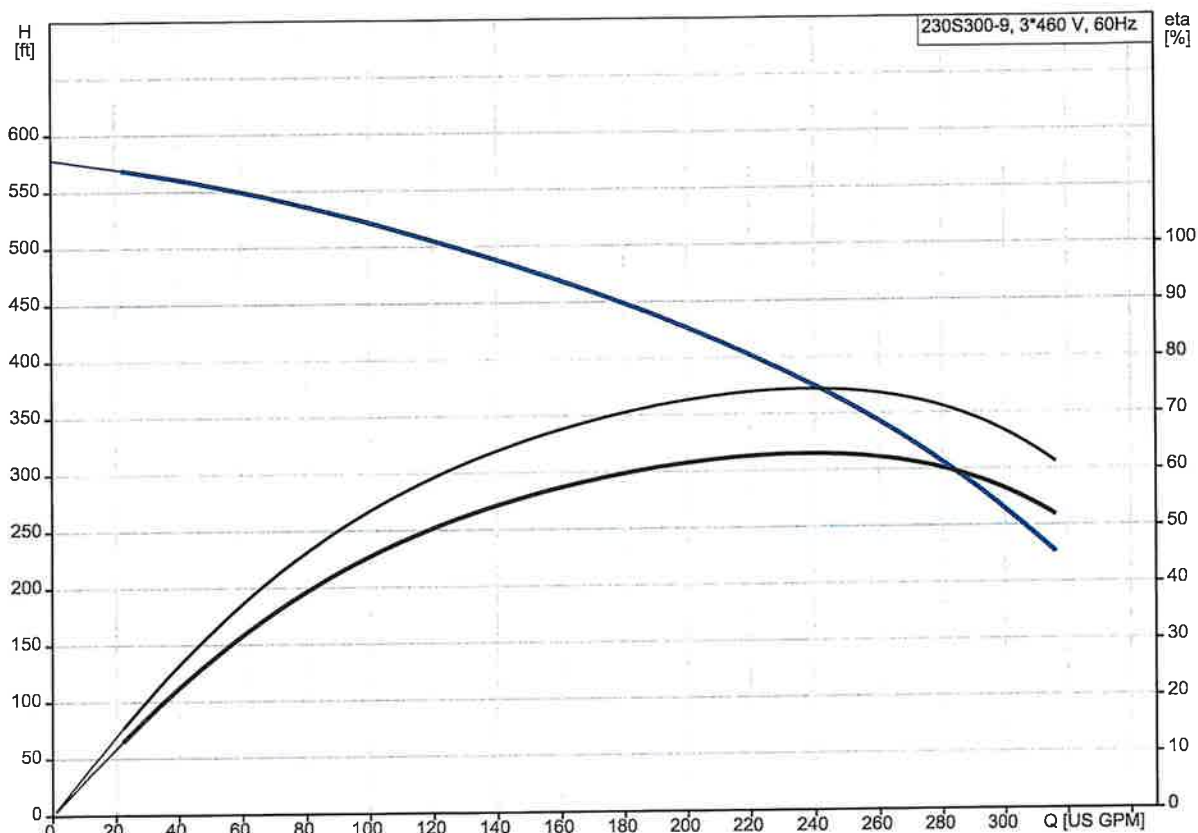
Phone:

Date:

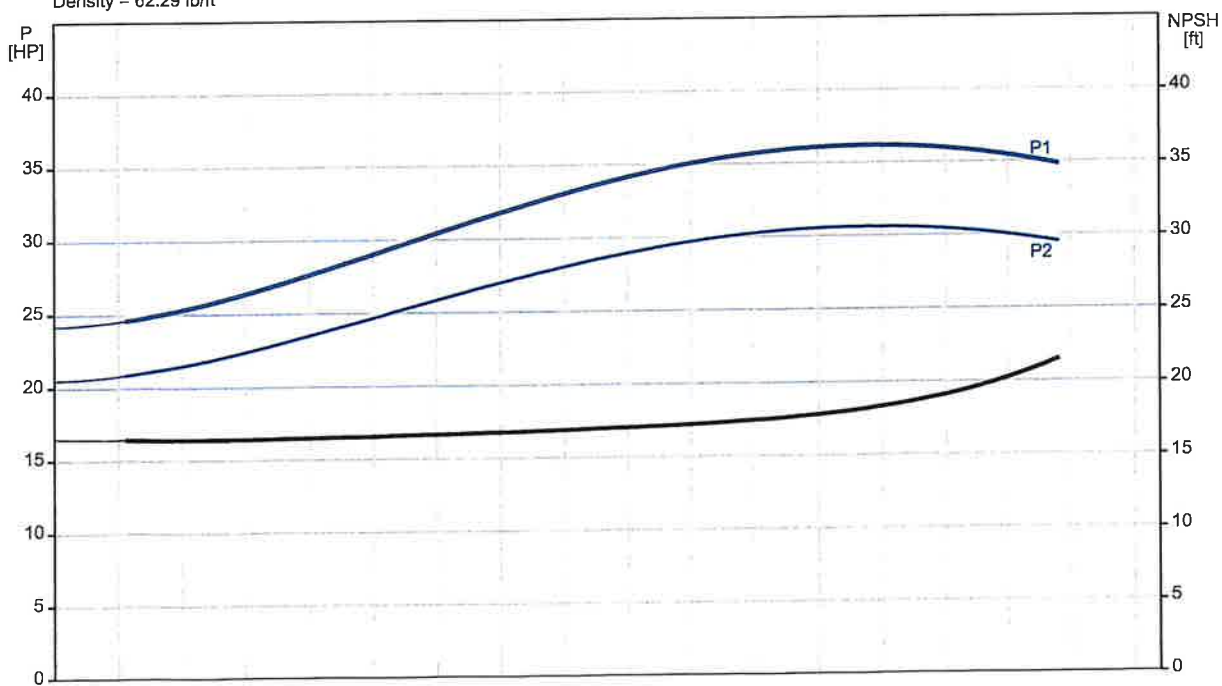
30/12/2024

Qty.	Description
1	Motor type: MS6000 Motor flange design: Grundfos Rated power - P2: 30 HP Power (P2) required by pump: 30 HP Mains frequency: 60 Hz Rated voltage: 3 x 440-460-480 V Service factor: 1.15 Rated current: 48.0-46.0-45.0 A Starting current: 520-570-620 % Cos phi - power factor: 0.87-0.85-0.83 Rated speed: 3450-3470-3480 rpm Start. method: direct-on-line Enclosure class (IEC 34-5): IP68 Insulation class (IEC 85): F Built-in temp. transmitter: yes Motor No: 96166168 Windings: Enamelled Others: Minimum efficiency index, MEI $\geq$: --- DOE Pump Energy Index CL: 0.92 Net weight: 210 lb Gross weight: 285 lb Shipping volume: 9.32 ft³ Country of origin: US Custom tariff no.: 8413.70.2004

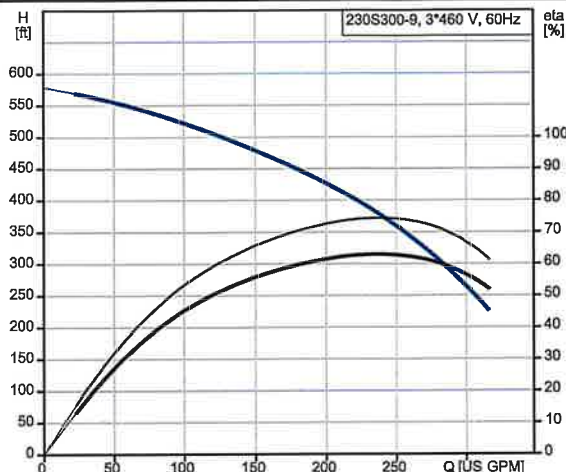
15B73609 230S300-9 60 Hz



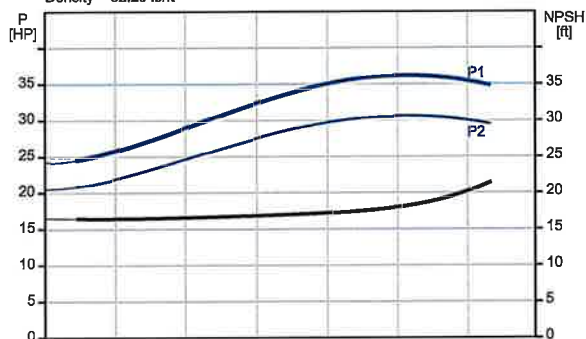
Pumped liquid = Water
 Liquid temperature during operation = 68 °F
 Density = 62.29 lb/ft³



Description	Value
General information:	
Product name:	230S300-9
Product No:	15B73609
EAN number:	5700391831546
Price:	
Technical:	
Pump speed on which pump data are based:	3450 rpm
Rated flow:	242 US GPM
Rated head:	360.9 ft
Stages:	9
Number of reduced-diameter impellers:	NONE
Shaft seal for motor:	SIC/SICNBR
Approvals:	CULDWUS,CCSAUS
Approvals for drinking water:	PROP65
Curve tolerance:	ISO9906:2012 3B
Model:	B
Motor version:	T40
Return valve:	YES
Materials:	
Pump:	Stainless steel
Pump:	EN 1.4301
Pump:	AISI 304
Impeller:	Stainless steel
Impeller:	EN 1.4301
Impeller:	AISI 304
Motor:	Stainless steel
Motor:	DIN W.-Nr. 1.4301
Motor:	AISI 304
Installation:	
Maximum ambient pressure:	870.23 psi
Maximum operating pressure:	870.23 psi
Maximum outlet pressure:	261.07 psi
Type of connection:	NPT(F)
Size of connection:	3 inch
Motor diameter:	6 inch
Minimum borehole diameter:	6.1 in
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	5 .. 104 °F
Selected liquid temperature:	68 °F
Density:	62.29 lb/ft³
Electrical data:	
Motor type:	MS6000
Motor flange design:	Grundfos
Rated power - P2:	30 HP
Power (P2) required by pump:	30 HP
KVA code:	J
Mains frequency:	60 Hz
Rated voltage:	3 x 440-460-480 V
Service factor:	1.15
Rated current:	48.0-46.0-45.0 A
Starting current:	520-570-620 %
Cos phi - power factor:	0.87-0.85-0.83
Rated speed:	3450-3470-3480 rpm
Start. method:	direct-on-line
Enclosure class (IEC 34-5):	IP68



Pumped liquid = Water
Liquid temperature during operation = 68 °F
Density = 62.29 lb/ft³





Company name:

Created by:

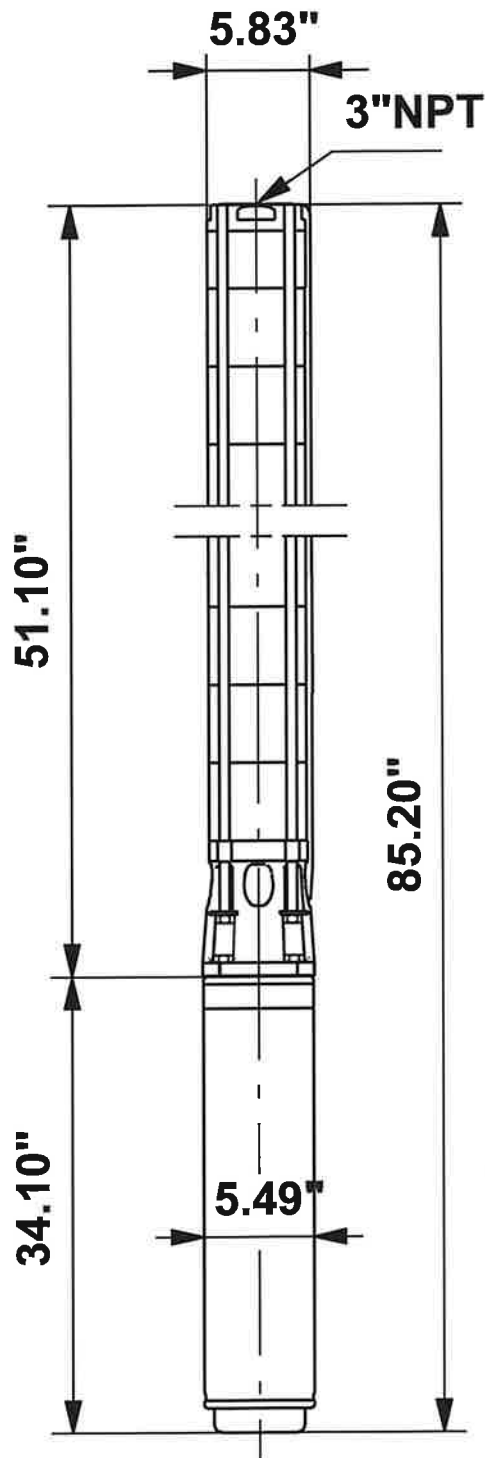
Phone:

Date:

30/12/2024

Description	Value
Insulation class (IEC 85):	F
Built-in motor protection:	NONE
Thermal protec:	external
Built-in temp. transmitter:	yes
Motor No:	96166168
Cable number:	N/A
Windings:	Enamelled
Others:	
Minimum efficiency index, MEI ≥:	0.92
DOE Pump Energy Index CL:	210 lb
Net weight:	285 lb
Gross weight:	9.32 ft³
Shipping volume:	US
Country of origin:	8413.70.2004
Custom tariff no.:	

15B73609 230S300-9 60 Hz



Note! All units are in [in] unless others are stated.
Disclaimer: This simplified dimensional drawing does not show all details.

State of Idaho

December 30, 2024

County of Franklin

City of Clifton

Insofar as I've been able to gather anecdotal evidence as Clifton City Councilmember from (2010-2022) and then as Mayor (2022-present), the Clifton City well that was dug, developed and installed in the mid-1950s and re-developed in late 1990s, has always had a 30hp motor. When the pump and motor were newly replaced and a meter installed in the 2000s it was recorded to pump upwards of 220gpm (.5cfs). This production was similarly recorded and reported by city employees and officers several times while I was on the Council.

In gathering information about the city well I visited with several individuals, especially John Gailey who was Mayor for the 16 years prior to my holding the office. He can also attest to these facts. I also spoke with Russ Roberts who was the city water supervisor for Clifton from 1998-2022, he reported many of those figures previously mentioned.

A handwritten signature in black ink, appearing to read 'Lucas E Mumford', with a stylized, flowing script.

Lucas E Mumford

Clifton City Mayor