

SECTION 3: WELL DEVELOPMENT, CONTINUED

Source (aquifer), if known: Deschutes Formation

Total maximum rate requested: ~~1.83~~ cfs **1.745 cfs**

(each well will be evaluated at the maximum rate unless you indicate well-specific rates and annual volumes in the table below)

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Complete the table below. If this is an existing well, the following information may be found on the applicable well log. *(If a well log is available, please submit it in addition to completing the table.)* If this is a proposed well, or well-modification, consider consulting with a licensed well driller, geologist, or certified water right examiner.

OWNER'S WELL NAME OR NO.	PROPOSED	EXISTING	WELL ID (WELL TAG) NO.* OR WELL LOG ID**	FLOWING ARTESIAN	CASING DIAMETER	CASING INTERVALS (IN FEET)	PERFORATED OR SCREENED INTERVALS (IN FEET)	SEAL INTERVALS (IN FEET)	MOST RECENT STATIC WATER LEVEL & DATE (IN FEET)	PROPOSED USE			
										SOURCE AQUIFER***	TOTAL WELL DEPTH	WELL-SPECIFIC RATE (GPM)	ANNUAL VOLUME (ACRE-FEET)
Well #1	☐	☒	JEFF-51858	☐	10"	+2-705'	565'-585'; 625'-645'; 685'-705'	0-200'	310' bgs	Deschutes Fm	705'	820 gpm	up to 251.4 239.2
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* Licensed drillers are required to attach a Department-supplied Well Tag, with a unique Well ID or Well Tag Number to all new or newly altered wells. Landowners can request a Well ID for existing wells that do not have one. The Well ID is intended to serve as a unique identification number for each well.

** A well log ID (e.g. MARI 1234) is assigned by the Department to each log in the agency's well log database. A separate well log is required for each subsequent alteration of the well.

*** Source aquifer examples: Troutdale Formation, gravel and sand, alluvium, basalt, bedrock, etc.

SECTION 4: WATER USE

USE	PERIOD OF USE	ANNUAL VOLUME (ACRE-FEET)
Irrigation	April 1-October 31	up to 251.4 Ac-Ft (up to 3'/Ac duty)
		239.2 Ac-Ft

Rights affected by drought:County in which use will occur: Jefferson

(if the right is located in Klamath Basin/County you must complete Section 8)

Please indicate the total number of acres to be irrigated (must match map): ~~146.7~~ acres **139.6 Acres**List the Permit or Certificate number(s) of the water right(s) affected by drought: C-72279 & 72281; Permit S-55394Indicate the maximum total number of acre-feet you expect to use in an irrigation season: ~~251.4~~ Ac-Ft **239.2 Ac-Ft****SECTION 5: WATER MANAGEMENT****A. Diversion and Conveyance**

What equipment will you use to pump water from your well(s)?

☒ Pump (give horsepower and type): 125 Hp submersible pump☐ Other means (describe): _____

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Provide a description of the proposed means of diversion, construction, and operation of the diversion works and conveyance of water.

New well for use for irrigation will pump into a small pond to allow the existing irrigation pump and piped distribution to pivots and hand lines. New well #1 is installed in the immediate vicinity of the NUID irrigation delivery pipe and existing pump station, so that once surface water is regulated off and/or restricted, the well can pump directly into the existing steel pipeline(s) and deliver pressurized irrigation directly to existing on-farm sprinkler & pivot irrigation.

B. Conservation

Please describe why the amount of water requested is needed and measures you propose to: prevent waste; measure the amount of water diverted; and prevent the discharge of contaminated water to a surface stream.

The proposed emergency drought water is only intended to be used when insufficient surface water delivery from NUID is not available or further restricted. Well water would be pumped under pressure through an installed totalizing flow meter and used using the existing pressurized steel pipelines for delivery to on-farm sprinkler and pivot irrigation to be used without waste. This emergency drought permit water is intended to allow the Applicant to cultivate existing crops to full harvest and allow for late irrigation season seeding starts for 2027 irrigation season, whereas, without full season irrigation crops would not mature to a harvest condition and further limit and restrict development of seed germination for the 2027 irrigation season.

SECTION 6: WITHIN A DISTRICT

- ☐ Check here if any of the water rights affected by drought are located within or served by an irrigation or other water district.

Irrigation District Name North Unit Irrigation District	Address 2024 NW Beech Street	
City Madras	State Oregon	Zip 97741

- ☐ Yes ☒ No Has the irrigation district transferred the primary irrigation water right to another place of use for this irrigation season?

178.68 Ac-Ft

Projected irrigation season allotment, if known: 188.7 Ac-Ft- (approx 1.28 Ac-Ft/Ac)

SECTION 7: DROUGHT INFORMATION

Explain how drought conditions have created an inability to obtain water under your existing right(s), and any other remarks to clarify any other information (*attach additional sheets as necessary*).

Based on notifications with North Unit Irrigation District (NUID), [surface] water deliveries from NUID will be deficient this season, and since NUID is a storage reservoir only district from surface water source for diversion (Wickiup Reservoir, primary; and Prineville Reservoir, supplemental), with exceptionally low snowpack resulting in limited reservoir storage exacerbated by flow impacts from the Deschutes Basin Habitat Conservation Plan, it is likely that water delivery from NUID may stop mid-season and be very limited in duty, based on indications from NUID. Since the Applicant grows crops with multiple harvest periods and new seeding in the late irrigation season requires irrigation water, a partial irrigation season does not allow crops to develop to a point of full harvest and may limit seed crop germination in anticipation of the 2027 growing season.

Since very low winter and springtime precipitation is extremely low and has produced low residual soil moisture going into the start of irrigation season, it is anticipated that water use will be significantly curtailed as a result of low soil moisture content and low snowpack that has limited storage reservoir capacity and will reduce the length of the delivery of irrigation water from NUID.

These drought conditions combine to create a significant hardship for the Applicant, who is a local farm contributing directly to the Central Oregon feed and food market.

Additionally, the Applicant is applying for irrigation usage on owned lands (owner is Bounds Hay Company, LLC) and the neighboring lands leased from Bitner, Aaron N. and Austin D.. Ownership documents show lands owned by Bounds Hay Company, LLC and Bitner ownership, with NUID document shows lands operated by Bounds Hay Company, LLC leased from Bitner.

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