

FORM 2: Application for irrigation in South Dakota
(type or print)

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WATER RIGHTS
PROGRAM

Mail to: PMB 2020 DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>8135-3</u> (office use only) Hydrologic Unit <u>10160006</u>
	Basin <u>James River</u>
	Newspaper <u>Redfield Press</u> <u>Aberdeen American News</u>

Application For Permit To Appropriate Water For Irrigation

Type of Application: New Vested Right Amendment/Correction to Permit No. _____
(Use predates Mar 2, 1955)

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.)

1. Name to Appear on Irrigation Permit Loren or Cynthia Marzahn
(check one) Owner Tenant/lessee Owner's Legal Agent _____
(name and complete address if different than above name)

Mailing Address 39207 182nd St Redfield SD 57469
(Address) (City) (State) (Zip Code)

Home Phone (605) 596-4396 Cell (605) 460-2265 Email graceland@venturecomm.net

2. Amount of water claimed 2.22 *CFS or 1000 **GPM 160 ***AF Total Acreage 160
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply Well

4. Location of point of diversion Near Center Sec 28 - NE 1/4 115-63
(example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) County Spink

5. County or counties where water will be used Spink

6. Annual period during which water is to be used Apr 1 - Oct 31

7. List below each forty acre division, or lot, or fraction thereof and show number of acres to be irrigated in each.
(Attach sheet if more space is needed)

Land Description	Acres	Land Description	Acres
<u>NE 1/4 Section 28 115-63</u>	<u>160</u>		

8. Give a description of the project. (Attach sheet if more space is needed)

I, Loren Marzahn, the applicant, certify that I have read this application, have examined the attached map, and that the matters stated are true.

Attachments: Attach Form 2A if diversion is from a well or dugout, or if storage of water is proposed. Also, attach map and any other technical information. (see instructions)

Supplemental Information

(type or print)

1. Well Information (check one or both as applicable) Drilling new well(s) Using existing well(s)

- a) If new wells, how many 1 Have test holes been drilled Yes No Drilled by _____
(if yes, please provide copies of logs)
- b) If existing wells, how many _____ Provide copy of log(s), if available. Drilled by _____
- c) Well Depth 70 Depth to Top of Water Bearing Material _____ Depth to Water from Surface _____
- d) Distance to nearest existing domestic well:

On applicant's property Approx 1.33 miles On property owned by others Approx ~~1.33~~ 0.6 miles

2. Wastewater Disposal System Information

- a) Type of System (i.e. septic tank, drain field) _____
- b) System Capacity (gallons) _____ Year Constructed _____
- c) Connected to the City of _____ Sanitary System

3. Dugout Information

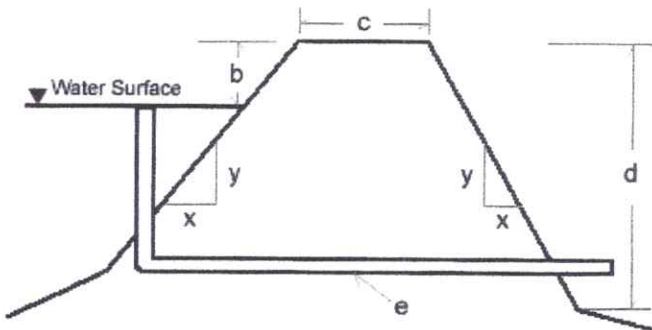
- a) Surface Dimensions _____ Depth _____
- b) Depth to water (ground surface to water level) _____

4. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

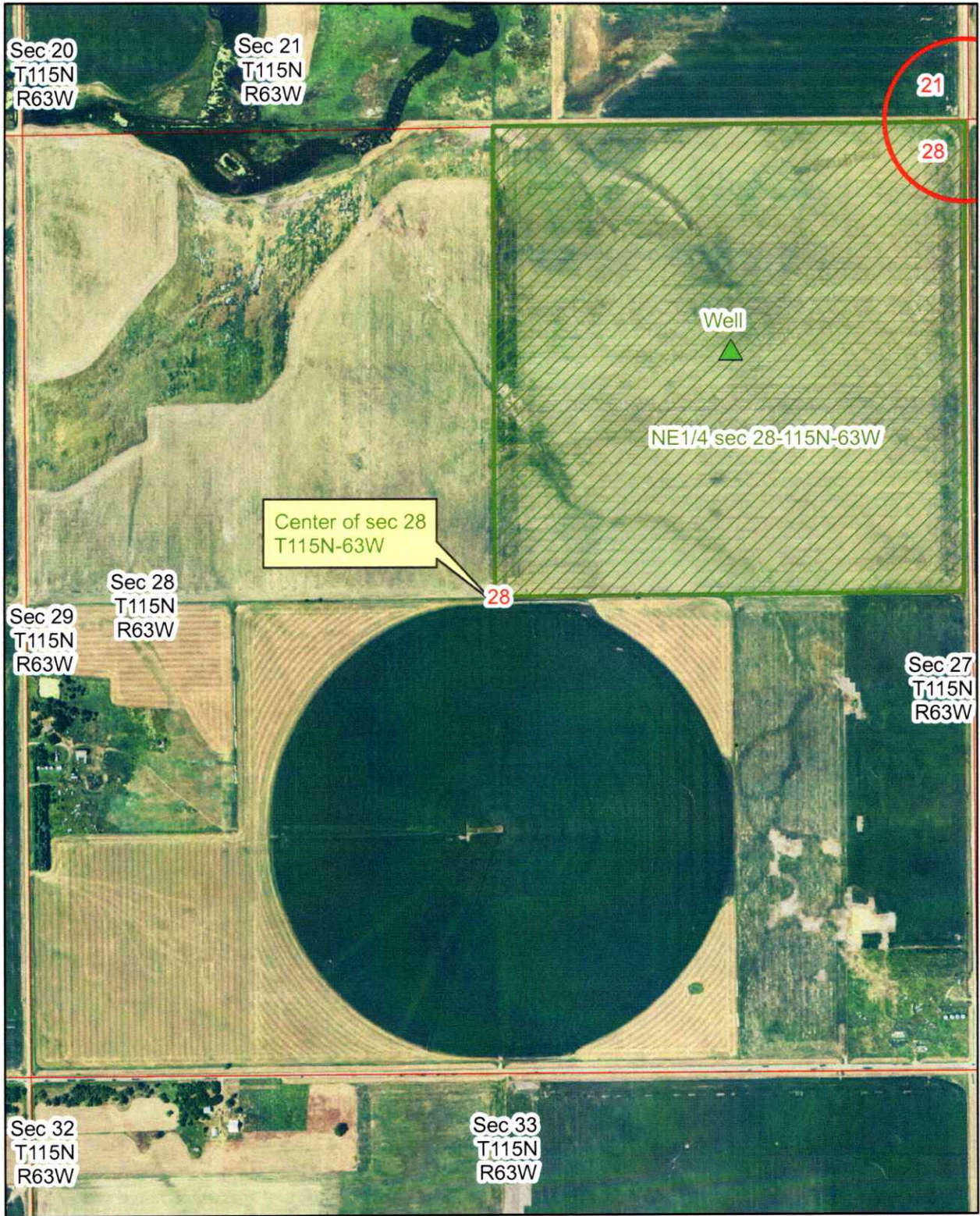
- a) If a private engineering firm or government agency was involved in the design of this dam, please give their name and address: _____

- b) Freeboard _____
- c) Crest Width _____
Crest Length _____
- d) Height _____
- e) Primary Outlet Capacity _____
If pipe, diameter _____
- f) Secondary Spillway Capacity _____
Spillway Width _____
- g) X & Y Slope (e.g. 3 to 1 is a typical slope)
Upstream _____
Downstream _____
- h) Surface Area of Impoundment _____
- i) Storage _____ Acre Feet
- j) Drainage Area Above Dam _____ Acres



Scale: 1 inch = 833 feet

1,100 Feet



South Dakota
Department of Environment
& Natural Resources
Water Rights

Completed by: *Ron Duvall*
Ron Duvall, WR Administrator
Water Rights Program

Date: February 17, 2015
Applicant: Loren Marzahn

Application No.