

FORM 2: Application for irrigation in South Dakota

(type or print)

Mail to: PMB 2020 DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>8120-3</u> (office use only) Hydrologic Unit <u>10160006</u>
	Basin <u>James River</u>
	Newspaper <u>Huron Plainsman</u> <u>Watertown Public Opinion</u>

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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 Martin Anderson
 (check one) Owner Tenant/lessee Owner's Legal Agent _____
 (name and complete address if different than above name)

Mailing Address 19411 394th Ave Hitchcock SD 57348
 (Address) (City) (State) (Zip Code)

Home Phone 605-266-2824 Cell 350-5396 Email _____

2. Amount of water claimed 1.86 *CFS or **GPM ***AF Total Acreage 132
 (*Cubic Feet per Second) (**Gallons per Minute) (**Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply Western Spink/Hitchcock aquifer - Tulare - 1 well

4. Location of point of diversion one well in NW1/4 SE1/4 Section 18, T113N-R62W
 (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)

County Beadle

5. County or counties where water will be used Beadle

6. Annual period during which water is to be used April 1 - October 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
NW 1/4 SW 1/4 Sec 18, T113N, R62W	16	NW 1/4 SE 1/4 Sec 18, T113N, R62W	22
NE 1/4 SW 1/4 Sec 18, T113N, R62W	38	SW 1/4 SE 1/4 Sec 18, T113N, R62W	22
SW 1/4 SW 1/4 Sec 18, T113N, R62W	16		
SE 1/4 SW 1/4 Sec 18, T113N, R62W	38		

8. Give a description of the project. (Attach sheet if more space is needed)
 Develop land for center pivot irrigation. This is an existing well once authorize by water permit No. 3030-3. Will attempt to rehabilitate the well but if necessary, will drill a new well in the approximate same location. Existing well information & map on file

* I, Martin Anderson, 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)

44. 596141 - 98.33050

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 ___ Have test holes been drilled Yes No Drilled by _____
(if yes, please provide copies of logs)
- b) If existing wells, how many 1 Provide copy of log(s), if available. Drilled by Riverside Drilling
- c) Well Depth 85 Depth to Top of Water Bearing Material 30 Depth to Water from Surface
- d) Distance to nearest existing domestic well:

On applicant's property _____ On property owned by others _____

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

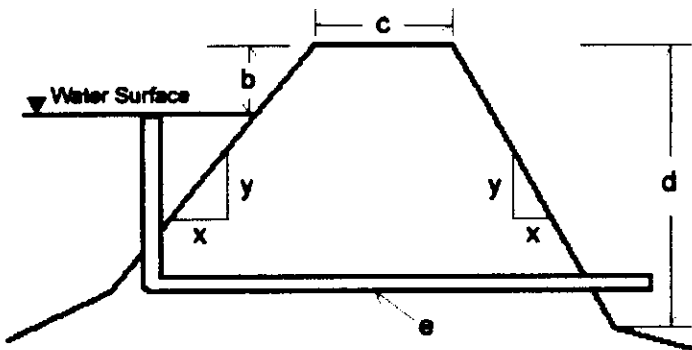
- a) Surface Dimensions _____ Depth _____
- b) Depth to water (ground surface to water level) _____

4. Water Storage Dams

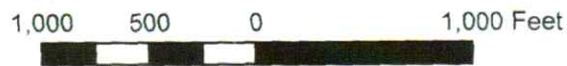
If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

- 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



Water Permit Application for Martin Anderson



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A handwritten signature in blue ink that reads "Eric Gronlund".

Eric Gronlund
Water Rights Program, DENR
March 13, 2013
based on representation of Mrs.
Anderson

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NOTICE OF WELL CONSTRUCTION

(1) WELL CONSTRUCTION

Location of well: 1/4 NW 1/4 SE Section 18 Township 113 N Range 62
 Well owner: Edley Anderson, Hitchcock Co. Okla
 Date well drilling completed: Jan 12-77 Purpose of well: Irrigation

WELL LOG

Depth, top to top in feet	Description of layer	Depth to top of water producing aquifer	ft.
0-2	Top soil	30	
2-15	Yellow Clay	28	
15-45	Blue clay		
45-85	Fine sand		

Depth to static water level: 28 ft.
 Name of producing aquifer (if known): Unknown
 Total depth of drill hole: 85 ft
 Depth to bottom of casing: 161 ft

Casing information: In the space below show kind, size, weight, length per diameter, etc. for production casing and surface casing, if used.
Stainless Steel casing 16"

Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforation.
Stainless Steel screen 16"

If a flowing well, flow of completed well: 1000 G.P.M.
 Name of Drilling Contractor: Reverie Drilling

(2) PUMP INSTALLATION

Company name and size of pump: MATERIAL pump Co. HR 75
 Type of pump: Turbine Capacity of installed pump: 800 G.P.M.
 Depth of pump placement: 80 ft., Date of pump installation: Jan March 7-1977

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 48.40B of Chapter 48.4, MINIMUM WELL CONSTRUCTION STANDARDS.
 Show exact vertical length of water surface measuring tube, when installed: _____ ft., tube diameter: _____, tube material: _____



 Name of Pump Installation Contractor

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