

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>8107-3</u> (office use only) Hydrologic Unit <u>10160006</u>
	Basin <u>James River</u>
	Newspaper <u>Redfield Press</u> <u>Aberdeen American News</u>

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FEB 25 2015
 WATER RIGHTS PROGRAM

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 Bixler Farms

(check one) Owner Tenant/lessee Owner's Legal Agent

(name and complete address if different than above name)

Mailing Address 39477 184th St. Hitchcock S.D. 57348
 (Address) (City) (State) (Zip Code)

Home Phone 605-266-2763 Cell 354-3177 Email bixlerfarms@hotmail.com

2. Amount of water claimed 1.78 *CFS or 800 **GPM _____ ***AF Total Acreage 180
 (*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 WEMA center of NW 1/4 Sec 6-114-62
 (example - 3 wells in SW 1/4 NE 1/4 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 May 1 to Oct 1

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) see acreage breakdown sheet & map

Total Acreage	Land Description	Acres	New Acreage	Land Description	Acres
	NW 1/4 Sec 6-114-62	110		NW 1/4 Sec 6-114-62	40
	NE 1/4 Sec 6-114-62	50		NE 1/4 Sec 6-114-62	5
	SE 1/4 Sec 6-114-62	60		SE 1/4 Sec 6-114-62	10
	SW 1/4 Sec 6-114-62	100		SW 1/4 Sec 6-114-62	85

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

would like to move center pivot (existing permit 3052-3) currently irrigating 140 acres at 800 gal/min. Diversion rate as reported on questionnaires) about 400' NE, add 3 spaws + corner system. would drill 1 more well on NW 1/4. Hoping for additional 800 gal/minute. Pivot length would be 1800' plus 275' corner system. Designed by Inman Irr. Aberdeen Tim Swisher

I, Reed Bixler, 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)

41.71564 / -98.33695

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 Stretch's Well Service
(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 65' Depth to Top of Water Bearing Material 15' Depth to Water from Surface 15'
- d) Distance to nearest existing domestic well:
On applicant's property 4000' 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

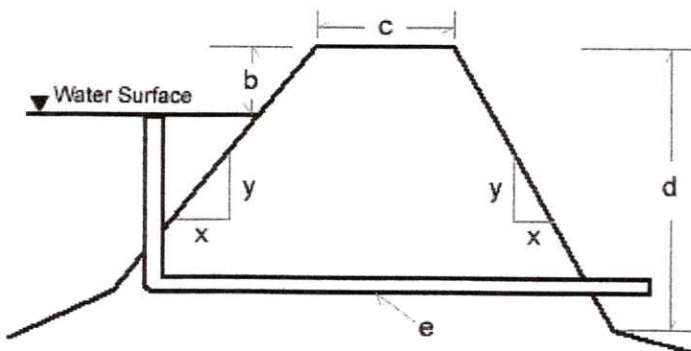
- a) Surface Dimensions Depth
- b) Depth to water (ground surface to water level)

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.

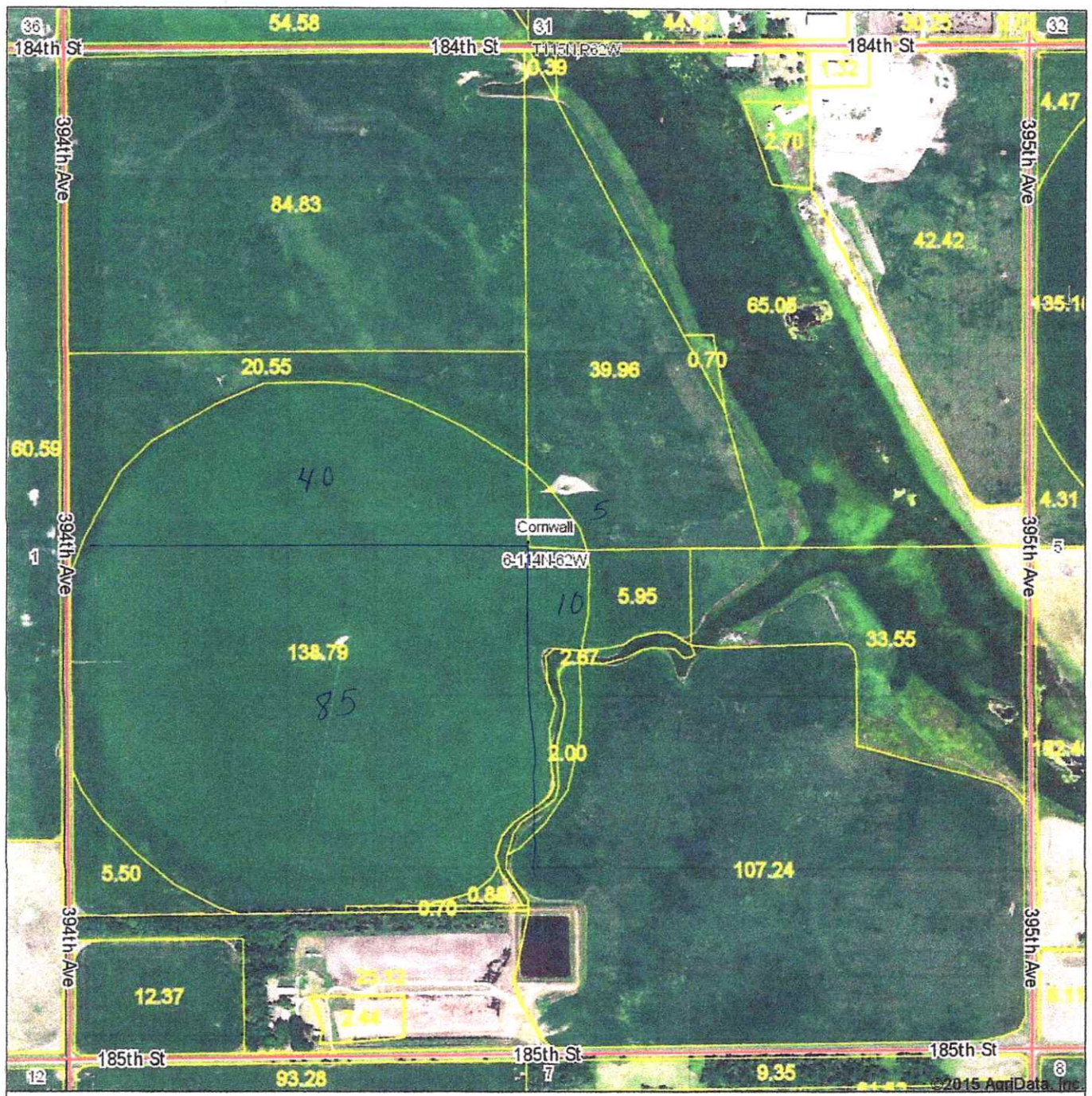
- a) If a private engineering firm or government agency was involved in the design of this dam, please give their name and address:

- 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



Permit 3052-3
140 ACRES 800gal/min

Aerial Map



Maps Provided By:
surety
 AgriData, Inc. 2011 www.AgrDataInc.com

6-114N-62W
Spink County
South Dakota

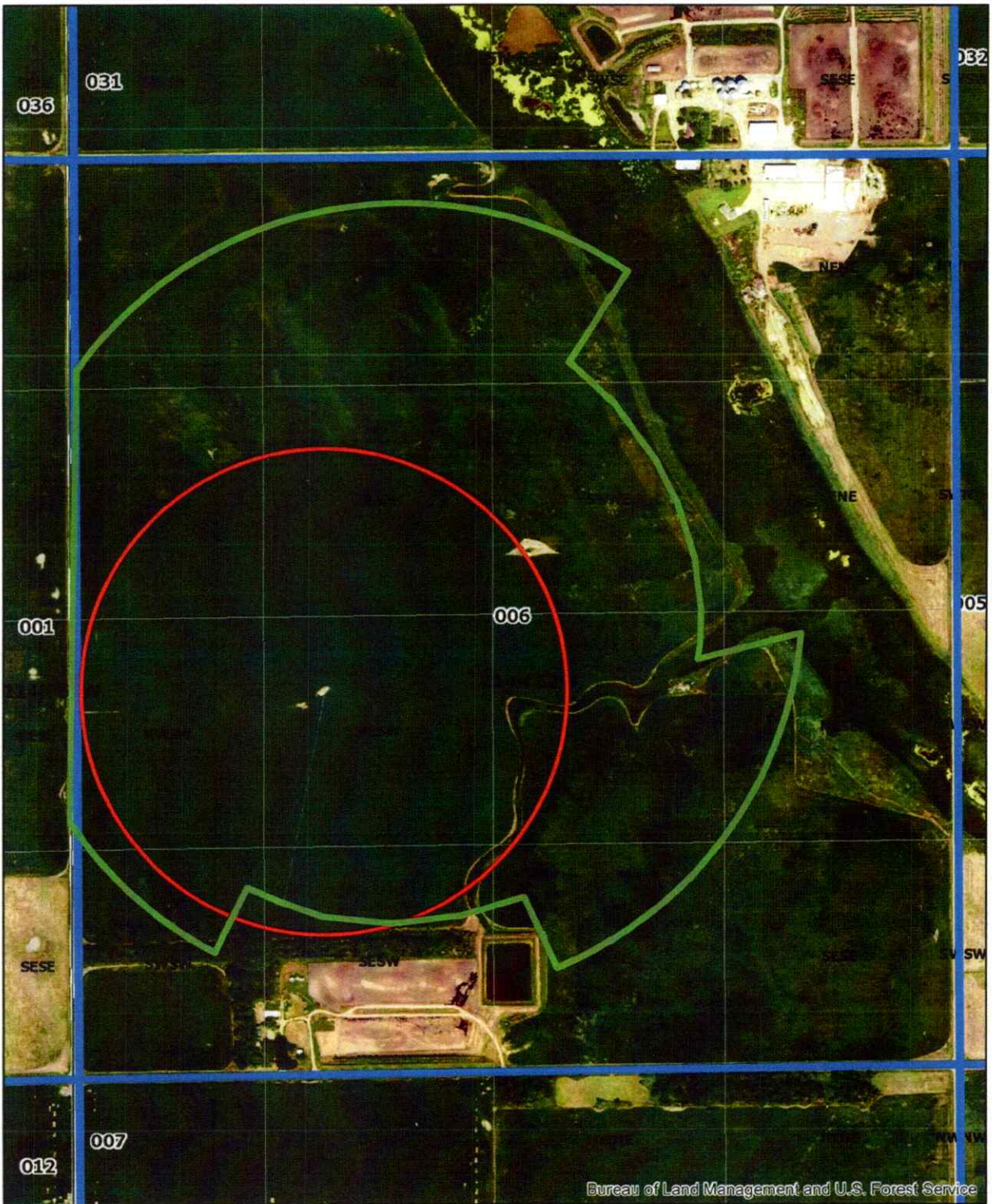
map center: 44° 42.7377', 98° 19.9088'
 scale: 9298



1/26/2015

Field borders provided by Farm Service Agency as of 5/21/2008. Aerial photography provided by Aerial Photography Field Office.

Water Permit Application for Bixler Farms
Section 6, T114N, R62W



CURRENT COVERAGE
UNDER WR NO. 3052-3



PROPOSED COVERAGE



ACREAGE BREAKDOWN FOR BIXLER FARMS APPLICATION IN SECTION 6, T114N, R62W

Quarter-quarter	Current configuration Under WR No. 3052-3	Proposed configuration	
NW ¼ NW ¼		17	
NE ¼ NW ¼		33	
SW ¼ NW ¼	13	33	
SE ¼ NW ¼	26	40	
NW ¼ NE ¼		13	
SW ¼ NE ¼	3	31	
NW ¼ SW ¼	30	32	
NE ¼ SW ¼	40	40	
SW ¼ SW ¼	4	10	
SE ¼ SW ¼	13	12	
NW ¼ SE ¼	10	38	
NE ¼ SE ¼		8	
SW ¼ SE ¼	1	13	
TOTAL	140	320	