

WATER PERMIT NO. 6390-3

Name of Applicant: Arlan Jantz

Address: 19206 410th Ave, Carpenter SD Phone: 353-6048

Amount of Water Claimed: 3.57 cfs Total Acres: 250

Source of Water Supply: groundwater (2 wells)

Water to be used for: irrigation County: Beadle

Type of Waste Disposal System:

Location: 7 miles southwest of Carpenter

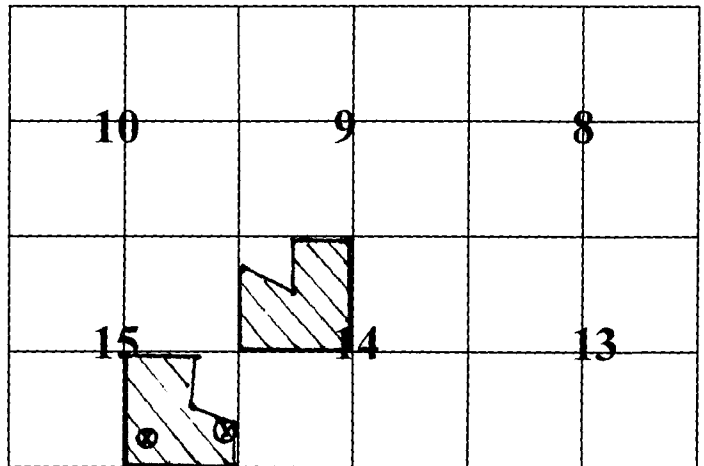
PRIORITY Date Received: 2-5-03 Application/License Fee: \$350

Corrected Application Received: Period of Annual Use: April 1 – October 31

Remarks:

Diversion Point: SW ¼ SE ¼ & SE ¼ SE ¼ Sec 15-
T113N-R60W

Land to be Irrigated: SE ¼ Section 15 and NW ¼
Section 14; all T113N-R60W



Depth of Well: 122 feet

Well Driller: : Pullman Drilling

Remarks:

Type of Map: aerial

Prepared by: Eric Gronlund

Reviewed and the Number Assigned on: 2-6-03

By: Karen Schlaak

Notice of Hearing - date to intervene: _____

**SOUTH DAKOTA
WATER PERMIT NO. 6390-3**

Date of first receipt of application February 5, 2003.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 6390-3 to Arlan Jantz, 19206 410th Ave, Carpenter SD 57322 authorizing the construction of the water use system and the placing of water to beneficial use subject to the following limitations, conditions and qualifications:

1. Water Permit No. 6390-3 appropriates 3.57 cubic feet of water per second from two wells (Floyd:East James Aquifer) 122 feet deep located in the SW ¼ SE ¼ and the SE ¼ SE ¼ Section 15 to irrigate 250 acres located in the SE ¼ Section 15 and NW ¼ Section 14; all in T113N-R60W. The well in the SW ¼ SE ¼ of Section 15 is an old existing irrigation well. If this existing well can not be rehabilitated, the permit holder is authorized to construct a new well at this location in addition to the new well in the SE ¼ SE ¼ of Section 15.
2. The amount of the appropriation may not exceed 2 acre feet annually for each acre of land to which water is actually and beneficially applied for irrigation. The water is to be used during the following described annual period: April 1 – October 31.
3. The date from which applicant may claim right is February 5, 2003.
4. The date of approval of Permit No. 6390-3 is April 25, 2003.
5. One-fifth of the construction is to be completed on or before October 25, 2005.
6. All construction is to be completed on or before April 25, 2008.
7. Water is to be put to beneficial use on or before April 25, 2012.
8. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

1. The wells approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The well(s) authorized by Permit No. 6390-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
3. The well(s) approved under this Permit shall be valved and the flow reduced to the amount needed or to a minimum when not being used. If this well is abandoned or the Permit cancelled, the well must be plugged in accordance with Water Management Board Rules, Chapter 74:02:04.
4. The existing well shall be plugged in accordance with SD Well Construction Standards if it is abandoned.
5. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

WATER MANAGEMENT BOARD

By: Garland Erbele

Garland Erbele, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

MAY 20 2003

date



FORM 2: Application for irrigation in South Dakota

(type or print)

RECEIVED

FEB - 5 2003

WATER RIGHTS
PROGRAM

Mail to: Water Rights Program Joe Foss Building 523 E. Capitol Pierre, SD 57501-3181 (605) 773-3352	No. <u>6390-3</u> (office use only) Hydrologic Unit <u>10160006</u>
	Basin <u>James River</u>
	Newspaper <u>The Plainsman, Huron 57350</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 of Applicant Arlan Jantz Phone 353-6048
 (check one) ☐ Owner ☐ Tenant/lessee
 Mailing Address 19206 410th Ave. Carpenter State SD 57322
 (Street, RR, or Box and City) (Zip Code)
2. Amount of water claimed 3.570 *CFS or 1,600 **GPM ***AF Total Acreage 250
 (*Cubic Feet per Second) (**Gallons per Minute) (***Acre Feet - storage capacity of dam/dugout or annual use if applicable)
3. Source of water supply two wells (one existing & one proposed)
4. Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) County Beadle
existing well - SW SE Sec. 15, T113N, R60W (originally authorized by cancelled WR No. 574-3)
proposed well - SE SE Section 15, T113N, R60W
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 SE Sec. 15, T113N, R60W	40	NW NW Sec. 14, T113N, R60W	10
SW SE " " "	40	SW NW " " "	40
SE SE " " "	30	SE NW " " "	40
NE SE " " "	10	NE NW " " "	40

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

Intend to set up irrigation in the SE quarter of Section 15 and the NW quarter of Section 14, T113N, R60W using center pivots. May install cornering systems

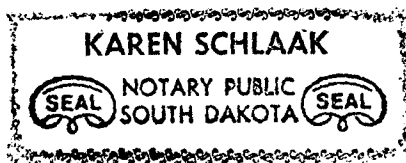
STATE OF SOUTH DAKOTA)

County of Hughes

SS

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

I, Arlan Jantz, the applicant, certify that I have read this application, have examined the attached map and that the matters stated are true and that I intend, and am able to complete the necessary construction.

Applicant's signature Arlan Jantz
 Subscribed and sworn to before me this 5th day of February 20 03

Karen Schlaack
 Notary Public signature

My commission expires 4/01/07

Supplemental Information

(type or print in ink)

1. Well Information - Proposed Construction

- a) Drill Hole Diameter 25 Depth 122
- b) Casing Type PVC Diameter 16 in Thickness 5/8
- c) Screen Type PVC Diameter 16 in Thickness 5/8
- d) Gravel Pack 30 Length of Gravel Pack 30 ft
- e) Depth to Top of Water Bearing Material 94 ft
- f) Depth to Water (ground surface to water level) 15 ft
- g) Distance to nearest existing domestic well:
- On applicants property 1000 ft On property owned by others 3/4 mile

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 _____

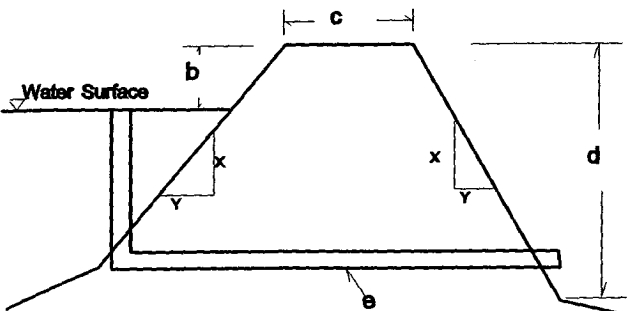
3. Dugout Information

- 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:

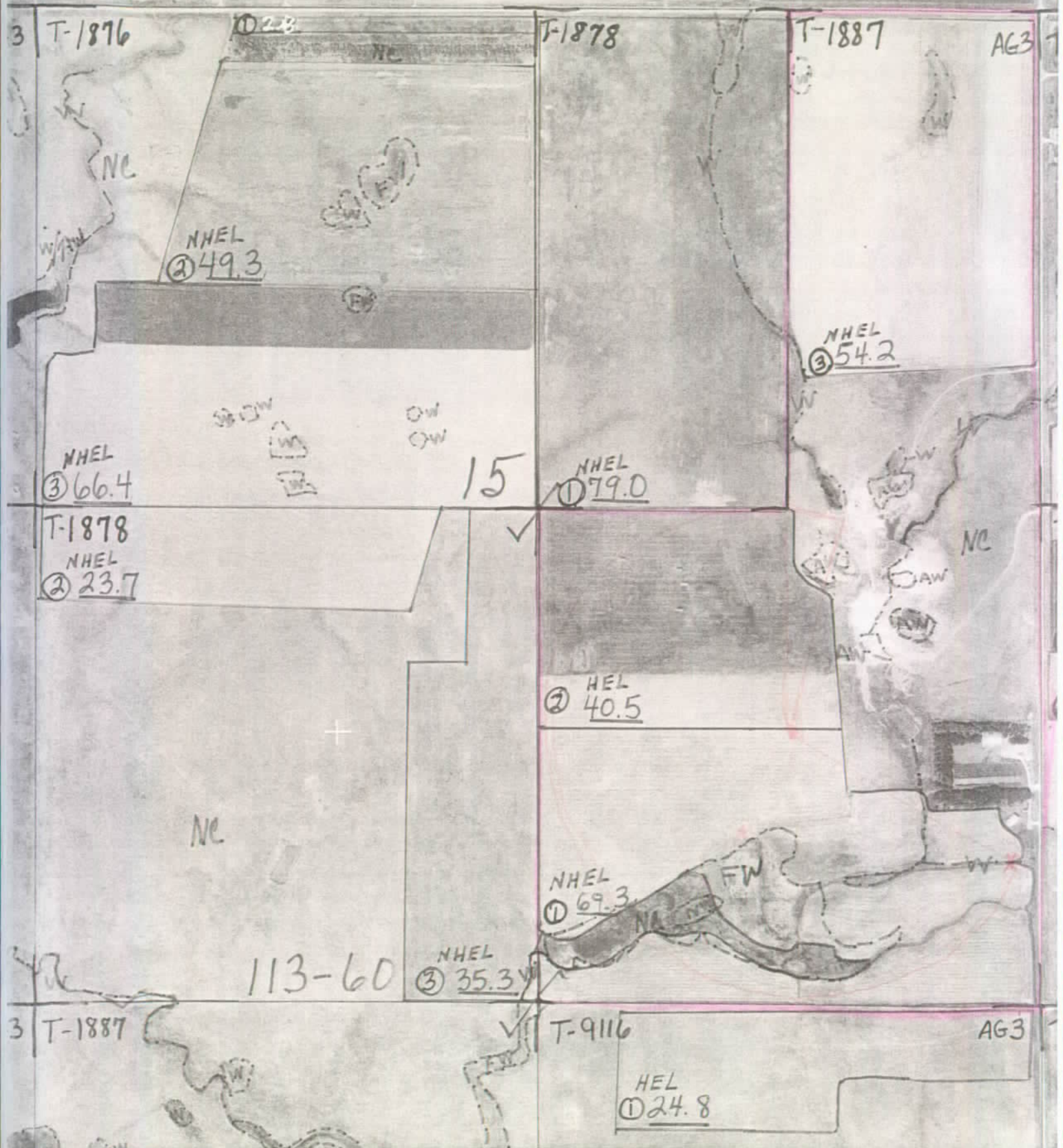


- b) Freeboard _____
- c) Crest Width _____
Crest Length _____
- d) Height _____
- e) Primary Outlet Capacity _____
If pipe, diameter _____
- f) Secondary Spillway Capacity _____
Spillway Width _____
- g) X & Y Slope _____
Upstream _____
Downstream _____
- h) Surface Area of Impoundment _____
- i) Storage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

2002 950 ARLAN D JANTZ

Tract 1887 Cropland: 459.3

AG3, AT3 N1/2 14, E1/2 NE and SE 15, NW 22-113-6



MAP NOT TO SCALE
THIS IS NOT AN OFFICIAL WETLAND MAP

Arlan Jantz #950
T-1887 459.3AC

AG3, AT3 N $\frac{1}{2}$ 14, E $\frac{1}{2}$ NE $\frac{1}{4}$ SE15, NW 22-113-60

2002



Water Permit Application for Arlan Jantz



Proposed irrigation of portions of the SE 1/4 Section 15
and the NW 1/4 of Section 14, T113N, R60W from two wells
(one proposed and one existing)



Prepared by

Eric Gronlund
Eric Gronlund
Water Rights Program, DENR
February 5, 2003



6390-3

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date FEBRUARY 5, 2003

RECEIVED OF Arjan Jantz, 19206 410th Ave., Carpenter SD 57322

The following amount in fees for services rendered as provided for by law:

Fee for Application for Permit No. <u>6390-3</u> to Appropriate Water, to construct and to put water to beneficial use	300	00
Fee for Application for Permit No. _____ to Appropriate Water for Future use		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. <u>6390-3</u>	50	00
Fee for Filing Transfer Form _____		
Fee for _____		
Fee for Issuing New Well Driller's License No. _____ for C.Y. _____		
Fee for Renewal of Well Driller's License No. _____ for C.Y. _____		
Fee for Issuing Well Pump Installer's License No. _____ for C.Y. _____		
Fee for Renewal of Well Pump Installer's License No. _____ for C.Y. _____		
(Any Other Work Provided by Law)	TOTAL	350.00

No.

000641

By

Darland Eide

Chief Engineer

gm

REPORT ON WATER PERMIT APPLICATION NO. 6390-3
For Arlan Jantz
March 18, 2003

Application No. 6390-3 proposes to appropriate 3.57 cfs (1600 gpm) from two wells approximately 122 feet deep located in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ and the SE $\frac{1}{4}$ SE $\frac{1}{4}$ of section 15 to irrigate 250 acres located in the SE $\frac{1}{4}$ of section 15 and the NW $\frac{1}{4}$ of section 14; all in T113N R60W in Beadle County.

AQUIFER – FLOYD EAST JAMES (F-EJ)

The Floyd East James is a buried outwash (sand and gravel) which is under confined or artesian conditions in this area. In fact, information for the area irrigation wells indicate free flowing conditions at the land surface during some years. The aquifer underlies 146,600 acres and contains an estimated 700,000 acre-feet of recoverable water in storage in Beadle County (Hedges, 1982). The aquifer is poorly mapped in this area of Beadle County. The Spink County Study (Hamilton, 1996) indicates isolated areas of the Tulare aquifer to the township north of this area, the Clark County Study (Hamilton, 1986) indicates that the Altamont 2 aquifer extends into Beadle to the northeast of this area, and the Beadle County Study (Howells, 1968) maps the aquifer in this area as the Tulare aquifer. The name Floyd East James was chosen because the sand and gravels in this area seem to match that aquifer better than the other aquifers named in those studies. Using the Floyd East James name corresponds with mapping as shown in the Hedges report (Hedges, 1982).

Test hole drilling by the applicant indicates sand and gravel from 94 feet below land surface to a total depth of 122 feet. The water level was reported to be within 10 feet below land surface. The aquifer is under confined conditions.

The Water Rights Program monitors three observation wells within six miles of this site. The nearest observation well is BD-77D and is located about 4 $\frac{1}{2}$ miles southwest of this application. Water levels for this well show good correlation with climatic conditions, that is, rising water levels during wet years (recharge) and gradually declining water levels during dry years. This observation also demonstrates fluctuation due to pumping for irrigation. A hydrograph for BD-77D is included with this report (Water Rights, 2003).

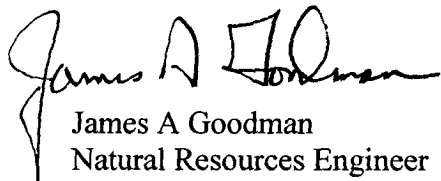
REVIEW OF EXISTING WATER PERMITS/RIGHTS

There is an existing water right No. 2457-3 (irrigation of 132 acres and 1.89 cfs) located about one-quarter mile south of this application. The irrigation well for water right No. 2457-3 is about one-half mile from the proposed and an existing irrigation well for this application. The existing well had been drilled under water right No. 574-3. That water right has been cancelled since 1968. It is unlikely that this old existing irrigation well is of much value. It should be tested and plugged if it is to be abandoned. Interference will occur. That is, there will be overlapping cones of depression when these wells are

pumping. The aquifer is confined and under artesian conditions and typically, under these conditions, drawdown will occur and extend a few miles from the individual production well. This effect should not adversely affect water availability from the aquifer.

CONCLUSIONS

1. Water is available from the Floyd East James aquifer.
2. The aquifer is under artesian conditions. Drawdown will occur as a result of pumping. Interference is not expected to be adverse.
3. The well(s) authorized by this application must be constructed in accordance with SD Well Construction Standards. If these irrigation wells free flow at the land surface they must be controlled in order to prevent the waste of water.
4. Some of the wells domestic and irrigation do free flow at the land surface during times of high water levels (wet years). It is likely that with the addition of these new wells there may be occasions when free flowing wells will cease to flow because of fluctuating water levels caused by pumping. Some domestic wells may have to lower pumps in order to maintain production.
5. The test well log filed for Arlan Jantz is identical to a domestic well log filed for Sam Wollman including the same location. A copy of the Wollman well is included with this report. This is a very good domestic well capable of producing over 100 gpm and had a static water level of three feet below land surface.

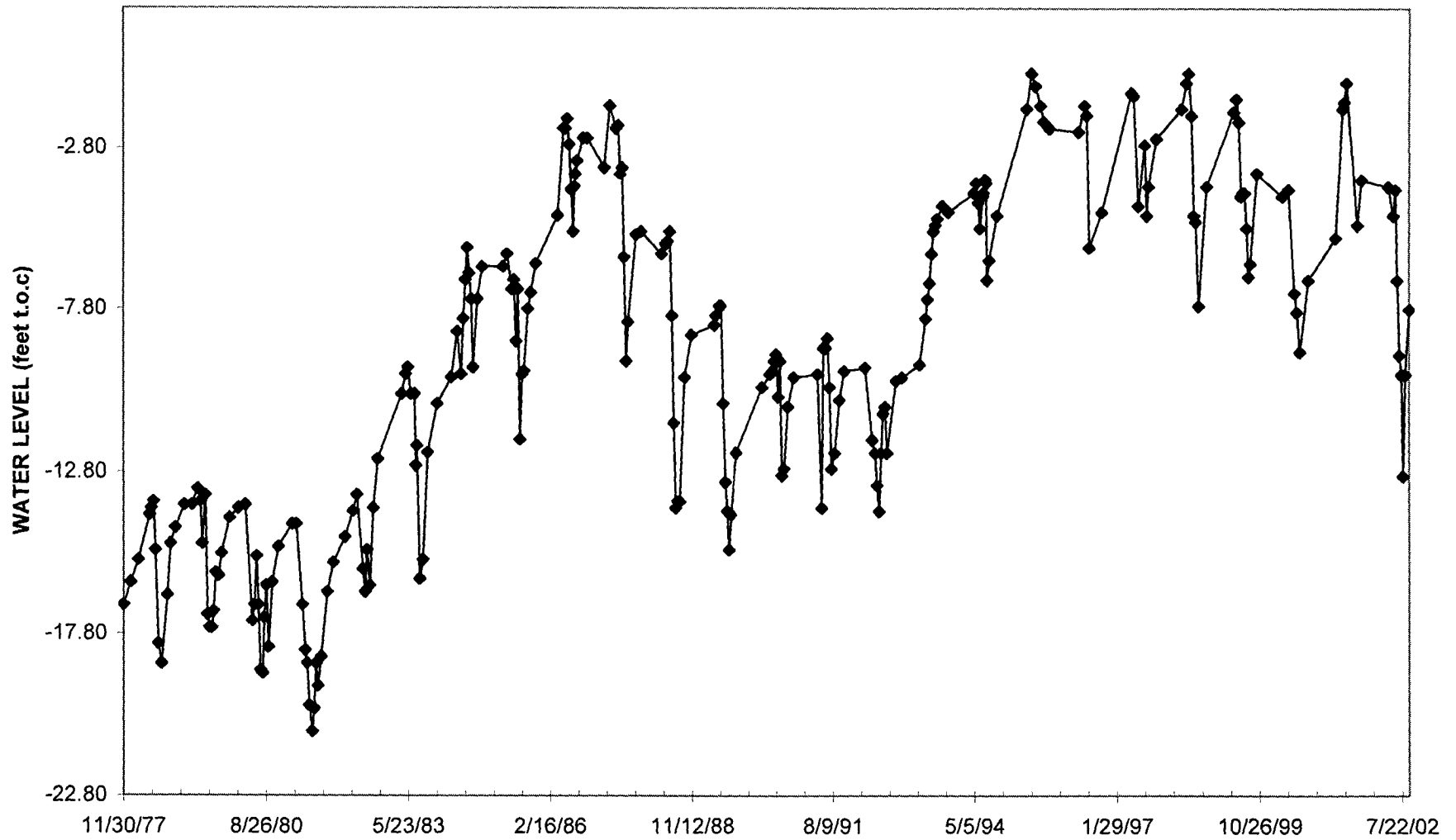


James A Goodman
Natural Resources Engineer

BIBLIOGRAPHY

- Hamilton, L.J., 1986, Geology and Water Resources of Clark County, South Dakota, Bulletin 29, SD DENR, SDGS, Vermillion, SD, 57069.
- Hamilton, L.J., L.W. Howells, 1996, Water Resources of Spink County, South Dakota, Water-Resources Investigations Report 96-4056, USGS, Rapid City, SD, 57702.
- Hedges, L.S., 1982, Evaluation of Ground-Water Resources Eastern SD and Upper Big Sioux River, SD and Iowa, for US Army Corps of Engineers, SD DENR, SDGS, Vermillion, SD, 57069.
- Howells, L.W., J.C. Stephens, 1968, Geology and Water Resources of Beadle County, South Dakota, Bulletin 18, SD DENR, SDGS, Vermillion, SD, 57069.
- Water Rights, 2003, Unpublished Observation Well Data for Beadle County, SD DENR, DES, Water Rights Program, Pierre, SD, 57501.

**WATER RIGHTS' OBSERVATION WELL
BD-77D**





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 6390-3, Arlan Jantz**

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Program, Department of Environment and Natural Resources concerning Water Permit Application No. 6390-3, Arlan Jantz, 19206 410th Avenue, Carpenter SD 57322.

The Chief Engineer is recommending APPROVAL of Application No. 6390-3 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion can be developed without unlawful impairment of existing rights, 3) the proposed use is a beneficial use and 4) it is in the public interest with the following qualifications:

1. The wells approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The well(s) authorized by Permit No. 6390-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
3. The well(s) approved under this Permit shall be valved and the flow reduced to the amount needed or to a minimum when not being used. If this well is abandoned or the Permit cancelled, the well must be plugged in accordance with Water Management Board Rules, Chapter 74:02:04.
4. The existing well shall be plugged in accordance with SD Well Construction Standards if it is abandoned.
5. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

See report on application for additional information.

Garland Erbele, Chief Engineer
March 31, 2003

PRINTER'S AFFIDAVIT

STATE OF SOUTH DAKOTA,
COUNTY OF BEADLE: ss.

I, Kimberly DeWall, being duly sworn on oath, say that THE PLAINSMAN is a daily paper published at Huron, Beadle County, South Dakota, and that said newspaper has a bona fide circulation of at least 250 copies daily; that said newspaper has been published within said county for fifty-two consecutive weeks immediately prior to this date, that said newspaper is printed in whole or in part, in an office maintained at said place of publication; that I am Legal Advertising Coordinator of said newspaper and know the facts herein state. The annexed notice headed:

Arlan Jantz - Notice Appl 6390-3 Water

Was published for two days, once each week, on the same day, in said newspaper, and not in any supplement of the said newspaper, the first publication was on the 8th day of April, 2002 and the last publication was on the 15th day of April, 2002. That the full amount of the fee charged for publishing the same, Forty Seven 92/100 Dollars inures to the benefit of the publisher of said newspaper; that no agreement or understanding for the division thereof has been made with any other person, and that no part thereof has been agreed to be paid to any person whomsoever.

Kimberly DeWall

Subscribed and sworn to before me this 1st day of
May, 2003.

Cheri B. Bille

Notary Public, South Dakota

My term expires 11/27/08

Legal #136

RECEIVED
MAY 13 2003
WATER RIGHTS
PROGRAM

F.P. 4-8-03 L.P. 4-15-03

**NOTICE OF APPLICATION
NO. 6390-3 to**

Appropriate Water

Notice is given that Arlan Jantz, 19206 410th Ave, Carpenter, SD 57322 has filed an application for a water permit to appropriate 3.57 cubic feet of water per second from two wells (Floyd: East James Aquifer) 122 feet deep located in the SW 1/4 SE 1/4 and the SE 1/4 SE 1/4 Section 15 to irrigate 250 acres located in the SE 1/4 Section 15 and NW 1/4 Section 14; all in T113N-R60W. The well in the SW 1/4 SE 1/4 of Section 15 is an old existing irrigation well. If this existing well can not be rehabilitated, the applicant is authorized to construct a new well at this location in addition to the new well in the SE 1/4 SE 1/4 of Section 15.

Pursuant to SDCL 46-02A-2, the Chief Engineer recommends APPROVAL of Application No. 6390-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the Chief Engineer will act on the application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application of contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider the application. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting this application or recommendation must file a written petition with BOTH the applicant and Chief Engineer. The applicant must file a petition if contesting the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by April 25, 2003.

The petition may be informal, but must include a state-

ment describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to this application.

Steven M. Pirner, Secretary
Department of Environment
and Natural Resources
No. 136 (adv.)



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

**NOTE: TO BE SURE OF PUBLICATION ON
THE CORRECT DATES, CONTACT
THE NEWSPAPER RIGHT AWAY.**

March 31, 2003

Arlan Jantz
19206 410th Ave
Carpenter SD 57322

Dear Mr. Jantz:

Water Permit Application No. 6390-3 for irrigation use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice of hearing has been sent to the Publisher of the Plainsman printed at Huron, SD (Ph # 605-352-6401). You will need to contact the newspaper and authorize publication of this notice. For your information, a copy of the notice, the recommendation of the Chief Engineer and a report on the application are enclosed. Please review the notice prior to publication and notify this office, if you have any corrections or questions.

Be sure to contact the above newspaper to authorize publication of your Notice of Hearing and to arrange for payment. Early contact with the paper can eliminate delays. Upon receiving authorization, the publisher has been instructed to publish your notice once each week for two consecutive weeks with the last publication to occur twenty days before the board meeting. The newspaper has also been instructed to send us the Proof of Publication. We must receive Proof of Publication before action can be taken on the application.

Sincerely,


Eric Gronlund
Natural Resources Engineer
(605) 773-3352

enclosures

NOTE: If you plan to contest any part of the Chief Engineer's recommendation, you must file a petition pursuant to the procedures outlined in the attached notice of hearing. The Water Management Board will then consider your concerns during a hearing on the application.

Instruction to Newspaper - Publish first Notice on April 8, 2003 with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NO. 6390-3 to Appropriate Water

Notice is given that Arlan Jantz, 19206 410th Ave, Carpenter, SD 57322 has filed an application for a water permit to appropriate 3.57 cubic feet of water per second from two wells (Floyd:East James Aquifer) 122 feet deep located in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ and the SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 15 to irrigate 250 acres located in the SE $\frac{1}{4}$ Section 15 and NW $\frac{1}{4}$ Section 14; all in T113N-R60W. The well in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 15 is an old existing irrigation well. If this existing well can not be rehabilitated, the applicant is authorized to construct a new well at this location in addition to the new well in the SE $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 15.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6390-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the Chief Engineer will act on the application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider the application. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting this application or recommendation must file a written petition with BOTH the applicant and Chief Engineer. The applicant must file a petition if contesting the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by April 25, 2003.

The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to this application. Steven M. Pirner, Secretary, Department of Environment and Natural Resources.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

March 31, 2003

The Plainsman
PO Box 1278
Huron SD 57350-1278

ATTENTION: Legal Public Notice

Enclosed is a Notice of Hearing on Application No. 6390-3 to Appropriate Water to be published twice. Please publish the first notice on April 8, 2003 with the second publication 7 days later.

The applicant must verify to you that the notice is to be published, before you make the first publication. **Please BILL the APPLICANT for the cost of publication.** The APPLICANT is Arlan Jantz, 19206 410th Ave., Carpenter SD 57322 (Ph # 605-353-6048).

Please send the Water Rights Program the first publication immediately. The publication is checked for accuracy so any corrections can be made in the second publication. You may use the form below or fax a copy of the first publication. Any fax should be sent to the attention of Karen Schlaak at (605) 773-4068. Publication errors can invalidate the public notice.

After the second publication, **please send us an affidavit or use the enclosed Proof of Publication form.** The applicant pays the cost of publication, but the Water Rights Program records require an affidavit or Proof of Publication. Delays in receiving the affidavit can be costly to the applicant.

Sincerely,

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

-----CUT HERE-----

No. 6390-3

TO: Eric Gronlund
Water Rights Program
Joe Foss Building
Pierre SD 57501-3181

Date _____

We are in receipt of your letter of March 31, 2003 enclosing Notice of Hearing to Appropriate Water by Application No. 6390-3 which was first published in our issue of _____. **ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.**

Name

Newspaper

PULLMAN DRILLING, INC. - DRILLER'S LOG

(605) 883-4532
1-800-451-4884

arlan Jantz
JOB NAME

19206 410th Carpenters
LOCATION

DATE

RIG NO

FOREMAN

Jt No	DEPTH	TIME	REMARKS
1	20		0-20 yellow clay
2	40		20-28 yellow clay 28-40 Blue clay
3	60		40-60 Blue clay
4	80		60-80 Blue clay
5	100		80-94 Blue clay 94-100 sand.
6	122		100-122 Sand & gravel
7			
8			
9			
10			SE-SE 15-113-60 Braden
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MAY 20 2003

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

Arlan Jantz
19206 410th Avenue
Carpenter SD 57322

Dear Mr. Jantz:

Enclosed is Water Permit No. 6390-3 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

Form 10, *Notice of Completion of Works and Application of Water to Beneficial Use*, is enclosed. Please return this completed form after you have finished the system and have put the water to beneficial use. An investigation can then be scheduled so the water license may be issued, thus completing the acquisition of a water right.

An informational sheet *Common Water Right Questions?* is also enclosed. This sheet is intended to answer some of the questions associated with obtaining and keeping a water right.

Sincerely,

Garland Erbele, Chief Engineer
Water Rights Program
(605) 773-3352

enclosures

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec 15 Twp 113 Rg 60

County

Beadle

North

Please mark well
location with an "X"

W

E

Well Completion Date

9/25/2003

1 Mile

Distance to nearest potential pollution source (Septic tank, abandoned well, feed lot, etc.)

? ft. from pasture (identify source)

PROPOSED USE:

☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☒ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:

Reverse

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	IN	FT	FT	IN
	16.00	0.0	157.0	24.00
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
ement	60	Lb/gal	0.0 Ft	30.0 Ft
		Lb/gal	Ft	Ft

Describe grouting procedure
Line

SCREEN:

☐ Perforated pipe ☒ Manufactured
Diameter 16.00 Inches Length 35.0 FeetMaterial PVC 20' Stainless 15'Slot Size .057 Set From 157.0 Feet to 192.0 FeetOther information Stainless 177 to 192 Above that 157 to 177 PVC

WAS A PACKER OR SEAL USED?

☒ Yes ☐ No
If so, what material? Pea Rock

Describe packer(s) and location

@157

DISINFECTION: Was well disinfected upon completion?

☒ Yes, How? Pellets
☐ No, Why Not?
Lab sample sent to for
water quality analysis

Well Owner:

Arian Jantz

Business Name:

Address:

19206 410th Ave

City, State, Zip:

Carpenter

SD

57322

WELL LOG:

DEPTH

FORMATION	FROM	TO
Sandy Yellow Clay	0	20
Blue clay	20	60
fine sand	60	70
red coarse sand	70	80
coarse sand & rocks	80	180
Coarse sand	180	195

STATIC WATER LEVEL

3.0 FEET

If flowing: closed in pressure

PSI

GPM flow

through

Inch pipe

Controlled by

☐ Valve

☐ Reducers

☐ Other

Reduced flow rate

GPM

Can well be completely shut in?

WELL TEST DATA:

☒ Pumped

Describe:

1400 GPM

☐ Bailed

☐ Other

Pumping Level Below Land Surface

Ft. After

Hrs. pumped

GPM

Ft. After

Hrs. pumped

GPM

If pump installed, pump rate:

GPM

REMARKS

RECEIVED

DEC 31 2003

WATER RIGHTS
PROGRAM

This well was drilled under license #

440

And this report is true and accurate.

Drilling firm:

Pullman Well Drilling Inc

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Rayne Pullman

Date:

10-10-03

12-31-03