

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

Mail to: Water Rights Program Joe Foss Building 523 E. Capitol Pierre, SD 57501-3181 (605) 773-3352	No. <u>6390A-3</u> (office use only) Hydrologic Unit <u>16160006</u>
	Basin <u>James River</u>
	Newspaper <u>The Plainsman PO Box 1278</u>
	<u>605-352-6401</u> <u>Huron 57350</u>

RECEIVED
APR 25 2008
WATER RIGHTS
PROGRAM

Application For Permit To Appropriate Water For Irrigation

Type of Application: ☐ New ☐ Vested Right ☐ Amendment/Correction to Permit No. 6390-3
(Use predates Mar 2, 1955)

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.)
request extension of time for Water Permit No. 6390-3

- Name of Applicant Arlan Jantz Phone 353-6048
(check one) ☒ Owner ☐ Tenant/lessee
Mailing Address 19206 410th Avenue Carpenter State SD 57322
(Street, RR, or Box and City) (Zip Code)
- Amount of water claimed no add *CFS or **GPM ***AF Total Acreage no add
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)
- Source of water supply wells
- Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) County Beadle
New well - SW 1/4 SE 1/4 Section 15, T113N, R60W
old existing irrigation well - SW 1/4 SE 1/4 Section 15, T113N, R60W
- County or counties where water will be used Beadle
- Annual period during which water is to be used April 1 - October 31
- 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
land not yet developed		NE SE Section 15, T113N, R60W	10
NW SE Section 15, T113N, R60W	40		
SW SE Section 15, T113N, R60W	40		
SE SE Section 15, T113N, R60W	30		

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

STATE OF SOUTH DAKOTA) SS
County of Hughes

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 25 day of April 20 08

Brenda Anderson
BRENDA ANDERSON, Notary Public
My Commission Expires
October 26, 2010

Request an extension of time for a portion of Water Permit No. 6390-3. A new well has been developed in addition to the originally existing irrigation well that is now maintained as a back-up. The irrigation in the NW 1/4 of Section 14 and NE 1/4 Section 14 (authorized by WP No. 6450-3) have been developed. The system in the SE 1/4 Section 15 is not currently in place but is on order. The reason for not being completed immediately in 2003 was initially financial but actual reason is I just became aware that my time to complete construction was about to expire. Respectfully request an extension of time as I have the center pivot ordered and it will be delivered soon.

SOUTH DAKOTA
WATER PERMIT NO. 6390A-3

Date of first receipt of application April 25, 2008.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 6390A-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. 6390A-3 extends the length of time allowed for water to be put to beneficial use as authorized by Water Permit No. 6390-3. Water Permit No. 6390-3 appropriates 3.57 cubic feet of water per second from two wells completed into the Floyd:East James Aquifer (approximately 195 feet deep) located in SW $\frac{1}{4}$ SE $\frac{1}{4}$ and 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 permit holder indicates that the well and irrigation in Section 14 are developed.
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. 6390A-3 is July 7, 2008.
5. All construction is to be completed on or before April 25, 2010.
6. Water is to be put to beneficial use on or before April 25, 2012.
7. 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 wells authorized by Permit No. 6390A-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 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. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.
5. Permit No. 6390A-3 incorporates the applicable portion of Permit No. 6390-3.

WATER MANAGEMENT BOARD

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

JUL 28 2008
date



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



6370-3

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 4/25, 20 08

RECEIVED OF Arlan 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. _____ to Appropriate Water, to construct and to put water to beneficial use		
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. _____		
Fee for Filing Transfer Form _____		
Fee for <u>Extension</u>	50	00
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	50 00

No.

03643

By

Gordon Erskine

Chief Engineer

SOUTH DAKOTA WATER WELL COMPLETION REPORT

Location NE 1/4 SW 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	16.00 IN	0.0 FT	157.0 FT	24.00 IN
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 RockDescribe 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 57822

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

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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



**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. 6390A-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. 6390A-3, 19206 410th Avenue, Carpenter SD 57322.

The Chief Engineer is recommending APPROVAL of Application No. 6390A-3 because SDCL 46-5-6 allows for an extension of time and 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 wells authorized by Permit No. 6390A-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 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. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.
5. Permit No. 6390A-3 incorporates the applicable portion of Permit No. 6390-3.

See report on application for additional information.

Garland Erbele, Chief Engineer
June 12, 2008

REPORT ON WATER PERMIT APPLICATION NO. 6390A-3
For Arlan Jantz
June 3, 2008

Application No. 6390A-3 requests an extension of time to complete construction of Water Permit No. 6390-3. Water Permit No. 6390-3 appropriates 3.57 cfs (1,600 gpm) from two wells approximately 195 feet deep and 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. Water Permit No. 6390-3 was approved on April 25, 2003 and the proposed project was to be completed by April 25, 2008 with water being put to use by April 25, 2012. This application requests an extension of time for three years until April 25, 2011.

AQUIFER – FLOYD EAST JAMES (F-EJ)

The Floyd East James is a buried outwash (sand and gravel) that is under artesian conditions in this area. In fact information in this area indicates the irrigation wells may free flow at the land surface during certain years. The aquifer underlies about 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 Beadle County. The Spink County Study (Hamilton, 1996) indicates isolated areas of the Tulare aquifer in the township to the north, the Clark County Study (Hamilton, 1986) indicates the Altamont 2 aquifer extends into Beadle County in this area and the Beadle County Study (Howells, 1968) maps the aquifer in this area as the Tulare aquifer. The Floyd East James was chosen because of the sand and gravel in this area appears to match with that aquifer better than the other aquifer names in those other studies. Also using the Floyd East James name corresponds with the mapping as shown in the Hedges report better than calling this area the Tulare aquifer but then that would be opinion.

The production well drilled by the applicant for Water Permit No. 6390-3 indicates fine sand from 60 to 70 feet, coarse sand from 70 to 80 feet, coarse sand and rocks from 80 to 180 feet and coarse sand from 180 to 195 feet all below land surface. The well had a static water level of three feet below land surface and reportedly was capable of producing 1,400 gpm. The well is constructed in accordance with SD Well Construction Standards. This well is mapped as the existing well on the map for this application. The proposed well site has not been drilled.

The Water Rights Program does not monitor any observation wells very near to this area. Observation well BD-77D is located about four miles south of this site. Water levels for this observation well indicate recharge does occur and that the aquifer is capable of sustaining additional withdrawals (Water Rights, 2008). A hydrograph for this observation well is included with this report.

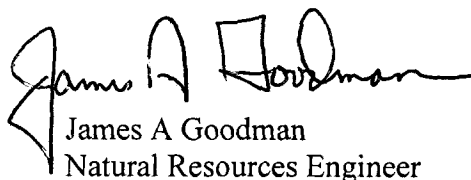
REVIEW OF EXISTING WATER PERMITS/RIGHTS

There is an existing Water Right No. 2457-3 with the well for that right located about 2000 feet southwest of this existing well and about 3,300 feet southwest of the proposed well. Interference will probably occur. This is because of the artesian conditions at the site and the fact that there will potentially be three wells within a one mile area. Because the thickness of the aquifer appears to be large the interference should not be adverse. The water level in the

aquifer appears to be very near the land surface and apparently during wet years will cause the irrigation well to free flow. This will need to be capable of being controlled to prevent the waste of water.

CONCLUSIONS

1. Water is available from the aquifer.
2. The aquifer is under confined or artesian conditions. Drawdown will occur as a result of pumping. Interference is not expected to be a problem. It will be necessary to use these wells for a few years to determine the effects of pumping.
3. The additional well authorized by this application must be constructed in accordance with SD Well Construction Standards.
4. The applicant plans to use three separate center pivots connected to the two wells. At this time he plans on running two pivots at one time.
5. Because the applicant filed this application on the very last day he was authorized for construction completion of the entire system this request can be granted. The applicant indicates he will need the additional time to complete the entire system. This can be granted because there are no other water permit applications in this area or any permits awaiting approval. The applicant does not have an excuse only that he needs more time.
6. Because these wells may free flow at the land surface they must be controlled to prevent the waste of water.

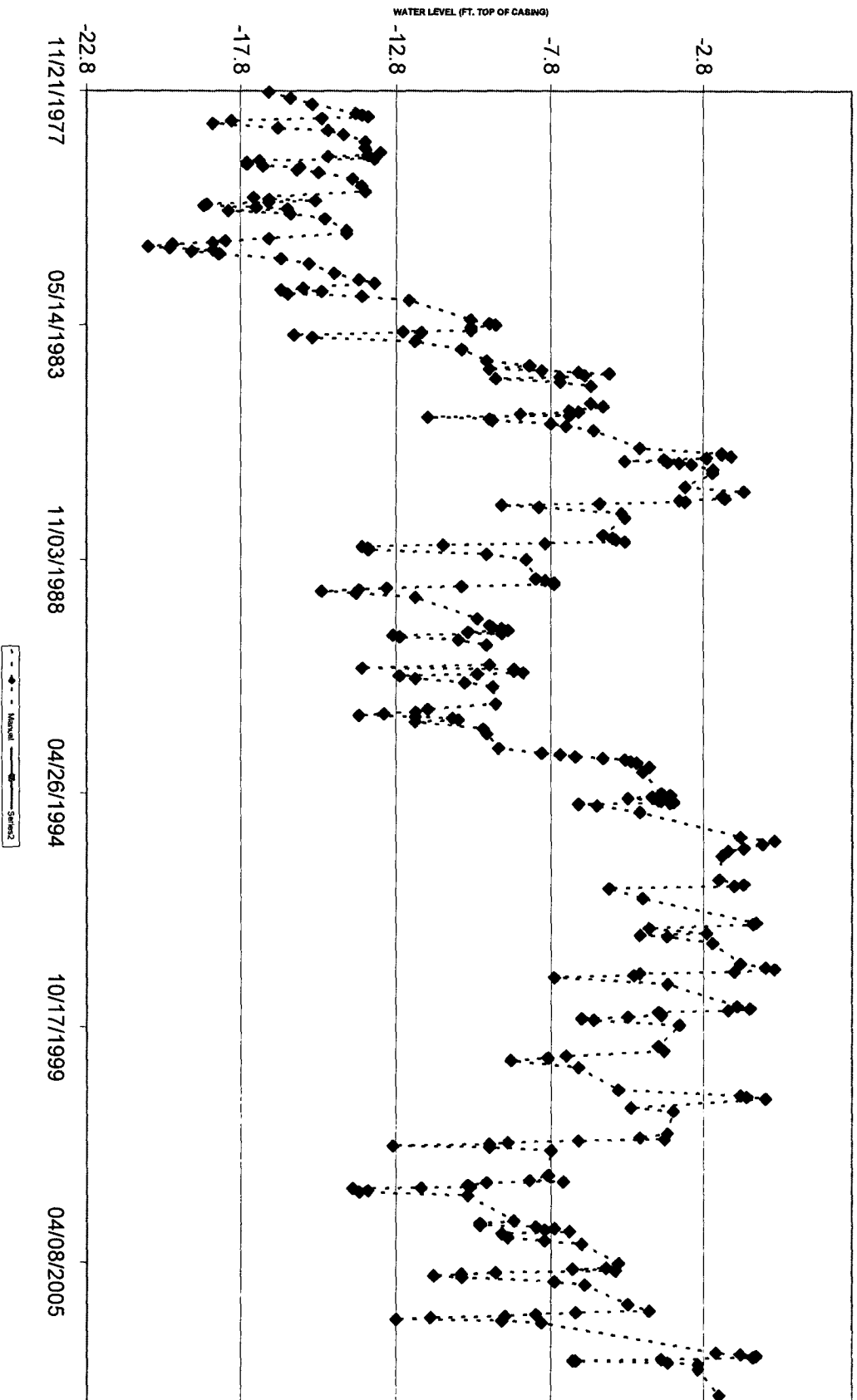


James A Goodman
Natural Resources Engineer

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, Geology and Water Resources of Spink County, South Dakota, Water-Resources Investigations Report 96-4056, USGS, Rapid City, SD, 57702.
- Hedges, L.S., and others, 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, 2008, Unpublished Observation Well Data for Beadle County, SD DENR, DES, Water Rights Program, Pierre, SD, 57501.

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



RECEIVED

JUL - 7 2008

WATER RIGHTS
PROGRAM

PRINTER'S AFFIDAVIT

STATE OF SOUTH DAKOTA,
COUNTY OF BEADLE: ss.

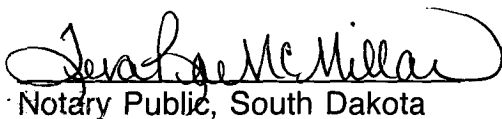
I, Kim Davis, being duly sworn on oath, say that THE PLAINSMAN is a daily paper published at Huron, Beadle County, South Dakota, and that said newspaper has a bona fide circulation of at least 250 copies daily; that said newspaper has been published within said county for fifty-two consecutive weeks 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:

Alan Jantz - Water permit

Was published for Two days, once each week, on the same day, in said newspaper, and not in any supplement of the said 20 th day of June, 2008 and the last publication was on the 27 th day of June, 2008. That the full amount of the fee charged for publishing is Seventy & 19/100 Dollars insures to the benefit of the publisher of said newspaper; that no agreement or understanding for the division there of has been made with any other person, and that no part there of has been agreed to be paid to any person whom so ever.



Subscribed and sworn to before me this 24 th day of June, 2008


Notary Public, South Dakota

My term expires 08/ 27/ 2010

Legal # 265

2000 - Legals

F.P. 06-20-08 L.P. 06-27-08

**NOTICE OF
APPLICATION
NO. 6390-3 TO AMEND
WATER PERMIT
NO. 6390-3**

Notice is given that Arlan Jantz, 19206 410th Ave, Carpenter, SD 57322 has filed an application for a water permit to extend the length of time allowed for water to complete construction of works as authorized by Water Permit No. 6390-3.

Water Permit No. 6390-3 appropriates 3.57 cubic feet of water per second from two wells to be completed into the Floyd: East James Aquifer (approximately 195 feet deep) located in SW 1/4 SE 1/4 and 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 permit holder indicates that the wells and irrigation in Section 14 are developed.

Water Permit No. 6390-3 was approved April 25, 2003 and the proposed project was to be completed by April 25, 2008, with water being put to beneficial use by April 25, 2012. Application No. 6390A-3 is to extend the length of time allowed to complete construction of work from April 25, 2008 to April 25, 2010. If approved, Application No. 6390A-3 will retain the February 5, 2005, priority date assigned to Permit No. 6390-3.

Application No. 6390A-3 is made pursuant to SDCL 46-5-26 which allows for reasonable extension of time due to delays caused by engineering difficulties, delays caused by operation of law or delays caused by other exigent circumstances as identified by the Water Management Board. This application is

requesting an extension of time based on exigent circumstances.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6390A-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 this application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendations. 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 this 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 July 7, 2008.

The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reason 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. 265 (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

June 12, 2008

The Plainsman
PO Box 1278
Huron SD 57350

ATTENTION: Legal Public Notice

Enclosed is a Notice on Application No. 6390A-3 to Appropriate Water to be published twice. Please publish the first notice on June 19, 2008 with the second publication 7 days later. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352.

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. 6390A-3

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

Date _____

We are in receipt of your letter of June 12, 2008 enclosing Notice to Appropriate Water by Application No. 6390A-3 which was first published in our issue of _____. **ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.**

Name

Newspaper



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.

June 12, 2008

Arlan Jantz
19206 410th Ave
Carpenter SD 57322

Dear Mr. Jantz:

Water Permit Application No. 6930A-3 for an extension on Water Permit No. 6390-3 has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice has been sent to the Publisher of the 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 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 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. 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 June 19, 2008 with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NO. 6390A-3 to Amend Water Permit No. 6390-3

Notice is given that Arlan Jantz, 19206 410th Ave, Carpenter SD 57322 has filed an application for a water permit to extend the length of time allowed for water to complete construction of works as authorized by Water Permit No. 6390-3.

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DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
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PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

JUL 28 2008

Arlan Jantz
19206 410th Ave
Carpenter SD 57322

Dear Mr. Jantz:

Enclosed is Water Permit No. 6390A-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

Report of Examination of Works and/or Application of Water to Beneficial Use For Permit No. 6390A-3

I have this day, June 20, 2025, made a thorough examination of the water use system constructed by Arlan Jantz, 19206 410th Ave, Carpenter, SD 57322 of Permit No. 6390A-3, bearing the priority of February 5, 2003 authorizing the diversion of 3.57 cu. ft. per second of the waters of the Floyd:East James Aquifer for irrigation purposes, in Beadle County. Permit No. 6450-3, bearing the priority of November 5, 2003 authorizing the diversion of 1.88 cu. ft. per second of the waters of the Floyd:East James Aquifer for irrigation purposes, in Beadle County.

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: Pullman Well Drilling
- 2) No. of Wells 1
- 3) Depth(s) 192 feet
- 4) Well log is available Y

Casing:

- 1) Diameter 16 inches
- 2) Length 157 feet
- 3) Type Plastic

Screen:

- 1) Type Plastic & Stainless steel
- 2) Length 20 & 15 feet
- 3) Static water level 3 feet

Pump:

- 1) Make Turbine
- 2) Model Unknown
- 3) Size Unknown
- 4) Capacity 750 GPM

Motor:

- 1) Make US Motors
- 2) Model No. Unknown
- 3) Horsepower rating 150 hp

B. Works used to transport water to place of use:

- 1) Type Buried PVC 2) Size 12 inches 3) Length 2500 feet

Comments: To NW pivot – Sec 14,

C. Works used to apply water to beneficial use:

Center pivot:

- 1) Make 3 - Zimmatics
2) Overall length 1250 feet
3) Number of towers 7, 7, 7
4) End gun Y
5) Capacity 750 GPM

Chemigation Equipment:

- 1) Does chemigate Y

Comments: Chem tank in field – Using commercially available chemigation equipment

D. Compliance with Permit Requirements:

- 1) Permit qualifications being abided by Y

2) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period Y

3) Exceptions to compliance are: None

E. Condition and Location:

1. The system is in good condition with the point(s) of diversion located as follows: WELL LOCATION
From the SE corner Sec 15 T113N R60W, 900 ft N & 1440 ft W, Lat 44.59074 Long -98.02373 (SW ¼ SE ¼).
2. The works are capable of diverting and conveying to the place of use 1.67 cu. ft. per second of water which is to be used for irrigation. Water has been put to beneficial use to the maximum extent as follows:
legal description/acreage
Land in Sec 14 T113N R60W
NW ¼ NW ¼ -13 acres
NE ¼ NW ¼ - 33 acres
SE ¼ NW ¼ - 33 acres
SW ¼ NW ¼ - 33 acres
NW ¼ NE ¼ -33 acres
NE ¼ NE ¼ - 33 acres

SE 1/4 NE 1/4 - 33 acres
SW 1/4 NE 1/4 - 33 acres

Land in Sec 15 T113N R60W
NW 1/4 SE 1/4 - 33 acres
SE 1/4 SE 1/4 - 23 acres
SW 1/4 SE 1/4 - 13 acres

comprising a total of 313 acres of land and the license should be issued for 1.67 cfs.

3. All structures, wells and lands on map Y

F. Comments or other permit(s) associated with the project:

Water Permit No. 6450-3 should be incorporated into 6390A-3.

Only one (1) well is being used for irrigation.

The pump rate reported in a recent Irrigation Questionnaire was used to establish the system flow capacity for the well.

Used FSA maps and ArcGIS to construct the map and to estimate irrigated acres.

Visited with Mr. Nathan Jantz, son, during the field visit.

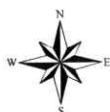
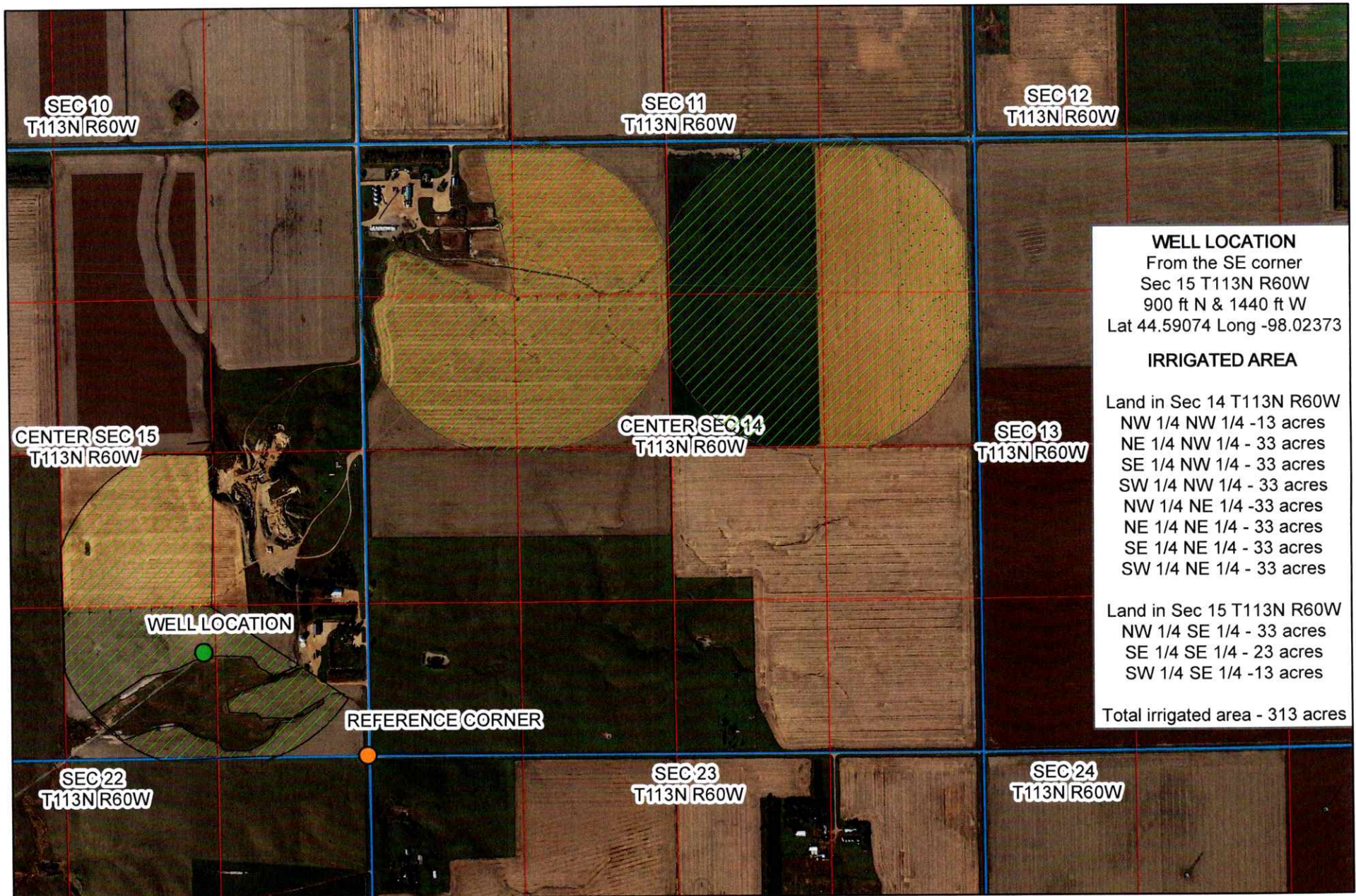
The mailing address and the phone number in the permit materials are current. Arlan's cell number is 605/350-1677.



Darrell DeBoer
Water Rights Inspector
DENR, Water Rights Program

Date report completed: June 24, 2025

6390A-3



0 950 1,900 3,800 5,700 7,600 Feet

Darrell DeBoer
 Water Right Inspector
 DANR-Water Rights Program



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 E. CAPITOL AVE
PIERRE SD 57501-3182
danr.sd.gov

SEP 02 2025

6390A-3
6450-3

Arlan Jantz
19206 410th Ave
Carpenter, SD 57322

Dear Mr. Jantz:

Enclosed is Water License No. 6390A-3. This is the final water right document completing your process of obtaining a Water Right. Included with your license is a map prepared by the staff engineer who conducted the field investigation.

For your information SDCL 46-6-27 requires that if in the future, the owner of an existing well, constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

So long as you use the water beneficially, as stated in the Water License, State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact Amanda Dewell, Permitting Administrator, Water Rights Program (605) 773-3352.

Sincerely,

Mark Mayer, PE
Director of Office of Water
(605) 773-3352

Note: The applicable portions of Water Permit No. 6450-3 have been incorporated into Water Right No. 6390A-3.

enclosures

**STATE OF SOUTH DAKOTA
WATER LICENSE NO. 6390A-3**

(1) On February 5, 2003, Arlan Jantz, 19206 410th Ave, Carpenter, SD 57322, made Application No. 6390-3, for a water permit to appropriate 3.57 cubic feet of water per second from groundwater, two wells (Floyd: East James Aquifer) for irrigation purposes, Beadle County, South Dakota. Permit No. 6390-3, with a priority date of February 5, 2003, was approved April 25, 2003, and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before April 25, 2008, and for the application to beneficial use of water on or before April 25, 2012.

The applicable portions of Permit No. 6450-3 were incorporated into Permit No. 6390A-3

On November 5, 2003, Arlan Jantz made Application No. 6450-3, for a water permit to appropriate an additional 1.88 cubic feet of water per second from groundwater, two wells (Floyd: East James Aquifer) to irrigate an additional 132 acres to what is authorized by Water Permit No. 6390-3. Permit No. 6450-3, with a priority date of November 5, 2003, was approved February 9, 2004, and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before February 9, 2009, and for the application to beneficial use of water on or before February 9, 2013.

The applicable portions of Permit No. 6450-3 are incorporated into this license.

On April 25, 2008, Arlan Jantz made Application No. 6390A-3, for a water permit to extend the length of time allowed for water to be put to beneficial use as authorized by Water Permit No. 6390-3. Permit No. 6390A-3, with a priority date of February 5, 2003, was approved July 7, 2008, and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before April 25, 2010, and for the application to beneficial use of water on or before April 25, 2012.

(2) It is certified that the permit holder has complied with the provisions of South Dakota State Law relating to completion of the construction of the water supply system and is entitled to divert 1.67 cubic feet of water per second for beneficial use. The location of the diversion point is:

- 900 feet N and 1,440 feet W from the SE corner of Section 15, T113N, R60W (SW ¼ SE ¼)
(Latitude 44.59074 and Longitude -98.02373)

(3) The amount of 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.

(4) The permit holder has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use to irrigate to following land: *all in T113N, R60W*

Section 14

NE ¼ NE ¼	33 acres	NE ¼ NW ¼	33 acres
NW ¼ NE ¼	33 acres	NW ¼ NW ¼	13 acres
SW ¼ NE ¼	33 acres	SW ¼ NW ¼	33 acres
SE ¼ NE ¼	33 acres	SE ¼ NW ¼	33 acres

Section 15

NW ¼ SE ¼	33 acres
SW ¼ SE ¼	13 acres
SE ¼ SE ¼	23 acres

TOTAL: 313 acres

continued

(5) Pursuant to South Dakota Water Law 46-5-30.1 Arlan Jantz, the holder and/or owner of Water Right No. 6390A-3, is issued a license to appropriate water, the right to use 1.67 cubic feet of water per second from groundwater, one well (Floyd: East James Aquifer), with priority dates of February 5, 2003 (1.67 cfs and 181 acres) and November 5, 2003 (132 acres), from the location specified in (2) of this license for irrigation purposes.

This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Right No. 6390A-3 and subject to 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 wells authorized by Permit No. 6390A-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. *(Only one well was constructed. The well was drilled in 2003 by Pullman Well Drilling Inc. A copy of the well completion report is on file with the Water Rights Program.)*
3. The well 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. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.
5. Permit No. 6390A-3 incorporates the applicable portion of Permit No. 6390-3. *(The applicable portions of Permit No. 6450-3 are now also incorporated into Water Right No. 6390A-3.)*



Mark Mayer, PE
Director of the Office of Water

9/2/25
date

