

WATER PERMIT NO. 7091-3

Name of Applicant: **Logue Partnership**

Address: **30674 Bluff Rd, Volin SD 57072** Phone: **605 267-3121**

Amount of Water Claimed: **1.78 cfs** Total Acres: **138**

Source of Water Supply: **groundwater (one well)**

Water to be used for: **irrigation** County: **Clay**

Type of Waste Disposal System:

Location: **20 miles northwest of Vermillion**

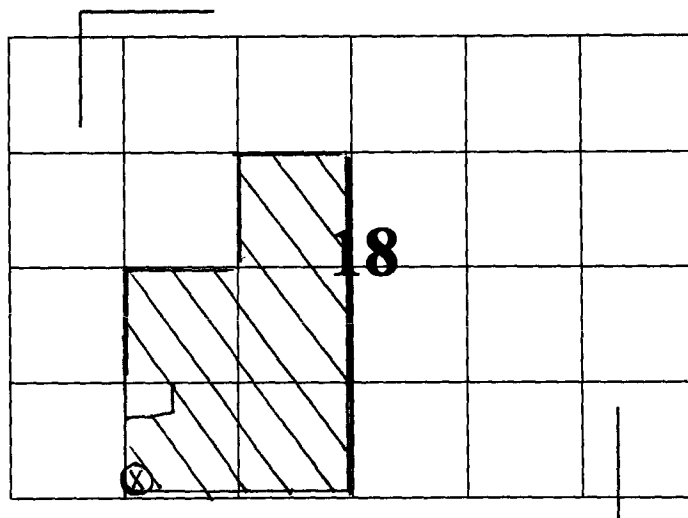
PRIORITY Date Received: **1-16-09** Application/License Fee: **\$300**

Corrected Application Received: Period of Annual Use: **May 1 – September 30**

Remarks:

Diversion Point: **SW ¼ SW ¼ Sec 18-T94N-R53W**

Land to be Irrigated: **SW ¼, SE ¼ NW 1/4, Sec 18-T94N-R53W**



Depth of Well: **170 feet deep**

Well Driller:

Remarks:

Type of Map: **aerial**

Prepared by: **Barbara Dykstra, Clay Co FSA**

Reviewed and the Number Assigned on: **1-19-09**

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____

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>7091-3</u> (office use only)	Hydrologic Unit <u>10170102</u>	RECEIVED JAN 16 2009 WATER RIGHTS PROGRAM
	Basin <u>Vermillion River</u>		
	Newspaper <u>Plain Talk PO Box 357</u>		
	<u>605-624-2695</u>	<u>Vermillion 57069</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 Logue Partnership Phone 605-267-3121
(check one) ☒ Owner ☐ Tenant/lessee
Mailing Address 30674 Bluff Rd Volin State SD 57072
(Street, RR, or Box and City) (Zip Code)
2. Amount of water claimed 1.78*CFS or 800**GPM ***AF Total Acreage 1.38
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable
3. Source of water supply 1 well to lower Missouri aquifer
4. Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) 1 well in SW 1/4 SW 1/4 S18-T94N-R53W County Clay
5. County or counties where water will be used Clay
6. Annual period during which water is to be used Summer May 1 - Sept. 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)

Land Description	Acres	Land Description	Acres
SW 1/4 of SW 1/4	27	SE 1/4 of NW 1/4	30
SE 1/4 of SW 1/4	27	all in	
NE 1/4 of SW 1/4	27	S 18 T 94 N R 53 W	
NW 1/4 of SW 1/4	27		

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

STATE OF SOUTH DAKOTA) SS

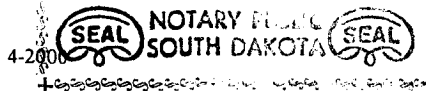
County of _____

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, Logue Partnership by Thomas Logue 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 Thomas Logue
Subscribed and sworn to before me this 9th day of Jan 20 09

BARBARA HACKETT



My Commission Expires:
October 3, 2010

Notary Public signature Barbara Hackett

**SOUTH DAKOTA
WATER PERMIT NO. 7091-3**

Date of first receipt of application January 16, 2009.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 7091-3 to Logue Partnership, c/o Thomas Logue, 30674 Bluff Rd, Volin SD 57072 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. 7091-3 appropriates 1.78 cubic feet of water per second from one well to be completed into the Lower James:Missouri Aquifer (approximately 170 feet deep) located in SW 1/4 SW 1/4 Section 18 to irrigate 138 acres located in the SW 1/4, SE 1/4 NW 1/4 Section 18; all in T94N-R53W.
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: May 1 – September 30.
3. The date from which applicant may claim right is January 16, 2009.
4. The date of approval of Permit No. 7091-3 is March 30, 2009.
5. One-fifth of the construction is to be completed on or before September 30, 2011.
6. All construction is to be completed on or before March 30, 2014.
7. Water is to be put to beneficial use on or before March 30, 2018.
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 wells authorized by Permit No. 7091-3 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. 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

JUN 12 2009

date



Supplemental Information

(type or print in ink)

1. Well Information - Proposed Construction

- a) Drill Hole Diameter 22" Depth 170'
- b) Casing Type PVC Diameter 16" Thickness 1/2"
- c) Screen Type PVC Diameter 16" Thickness 1/2"
- d) Gravel Pack 1/8" - 3/8" pea rock Length of Gravel Pack 40'
- e) Depth to Top of Water Bearing Material 130'
- f) Depth to Water (ground surface to water level) 95'
- g) Distance to nearest existing domestic well:
- On applicants property 0 On property owned by others greater than 1 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 _____

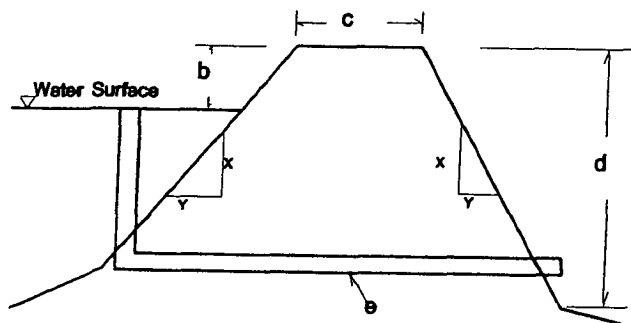
3. Dugout Information

- 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



USDA - Farm Service Agency

RECEIVED

JAN 16 2009

WATER RIGHTS
PROGRAM

South Dakota
Clay County

18-94N-53W

October 22, 2008



1:8,634

USDA FSA maps are for FSA Program administration only. There is no guarantee or representation to the user as to the accuracy, currency, suitability or reliability. FSA MAPS DO NOT REPRESENT A LEGAL SURVEY. The user accepts the data 'as is' and assumes all risks associated with its use. Wetland points reflect records available with NRCS and may not constitute a full inventory of the property. The USDA Farm Service Agency assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data.

Disclaimer: Wetland identifiers do not represent the size, shape or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.

Barbara Dykster, PT, Clay Co. FSA

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 1/16, 20 09

RECEIVED OF Tom Logue 30565 455th Ave Volin SD 57072

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

Fee for Application for Permit No. <u>7091-3</u> to Appropriate Water, to construct and to put water to beneficial use	150	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>7091-3</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	300 00

No.

03745

By

Andrew Erdahl
Chief Engineer



**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. 7091-3, Logue Partnership**

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. 7091-3, Logue Partnership, c/o Thomas Logue, 30674 Bluff Road, Volin SD 57072.

The Chief Engineer is recommending APPROVAL of Application No. 7091-3 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 well 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 authorized by Permit No. 7091-3 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. 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 4, 2009

**Report on Water Permit Application No. 7091-3
for Logue Partnership, C/O Thomas Logue
February 9, 2009**

Application No. 7091-3 proposes to appropriate 799 gallons per minute (1.78 cfs) from one well approximately 170 feet deep located in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 18 to irrigate 138 acres located in the SW $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 18; all in T94N R53W in Clay County. The annual period during which water will be used is May 1 through September 30.

AQUIFER: Lower James Missouri

This report will address the availability of unappropriated water from the Lower James Missouri aquifer.

WATER AVAILABILITY

Aquifer Characteristics:

The Lower James Missouri aquifer is a buried outwash (sand and gravel) that is under water table conditions in the area of this application. The aquifer underlies 5,400 acres and contains an estimated 81,000 acre feet of recoverable water in storage in Clay County (Hedges, 1982). The aquifer extends into Yankton County to the west and blends into the much larger Missouri Elk Point aquifer just to the south. The two aquifers could be considered the same in Clay County. The general direction of water movement in the area of this application is from the northwest toward the southeast (Christensen, 1967). The hydrogeologic map in the Christensen report indicates the aquifer should 75-100 feet thick in this area.

Observation Well Data:

The Water Rights Program monitors one observation well, CL-80A, located within eight miles of this application location. Water levels for this well show good response to climatic conditions, that is, rising water levels during wet years (recharge) and gradually declining water levels during dry years due to natural discharge and to pumping. The water level record indicates that the aquifer is capable of sustaining additional withdrawals (Water Rights, 2008). The hydrograph for this observation well is included with this report.

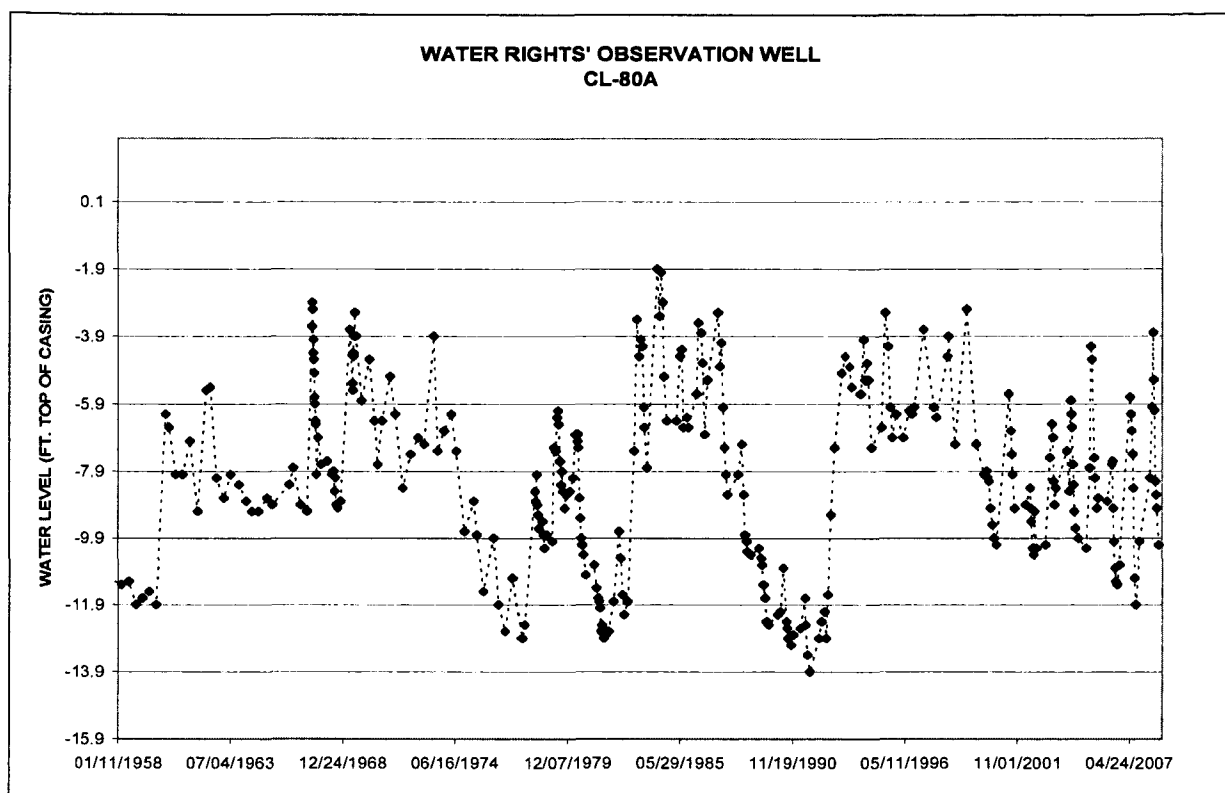


Figure 1. Hydrograph for Water Rights Observation Well CL-80A, completed into the Lower James Missouri Aquifer within eight miles of 7091-3

In general, the hydrograph shows that over the period of record, withdrawals have not exceeded recharge.

Review of Existing Water Permits/Rights/Water Use:

Records of irrigation use from the Lower James Missouri aquifer date back to 1979.

Table 1 shows the number of appropriations, the total amount of water appropriated, and the reported amount of water pumped for each year. The average number of appropriations is nearly 47, with the average annual appropriation being about 16,500 acre-feet and the average annual pumpage reported at over 2,400 acre-feet.

IRRIGATION USE (ac-ft/yr)m LJM			
Year	Number of Appropriations	Appropriation (ac-ft/yr)	Pumpage Reported (ac-ft/yr)
2007	63	20962.7	3638.03
2006	57	17564.1	4161.77
2005	55	16366.1	3250.23
2004	54	16142.1	3063.42
2003	60	18990.1	3327.43
2002	59	18709.1	4484.12
2001	59	18809.1	3324.79
2000	57	18649.1	4197.04
1999	56	17593.1	2373.41

1998	60	18950.1	3036.5
1997	57	19359.1	2565
1996	56	19527.1	2342.64
1995	48	17462.1	1758.35
1994	52	19468.1	2114.36
1993	53	18658.3	256.44
1992	52	19022.3	1279
1991	49	17728.3	2882
1990	42	14903.5	3345.1
1989	-	-	-
1988	38	13999.9	3104.3
1987	-	-	-
1986	30	11613.5	989.6
1985	33	12179.1	2724
1984	34	13429.2	1546
1983	31	11596.5	1292.06
1982	28	11466.1	1427.2
1981	31	14665	1890.8
1980	26	12611	1372
1979	25	12315	706
AVERAGE	46.85	16397.77	2461.17
MAXIMUM	63	20962.7	4484.12
MINIMUM	25	11466.1	256.44

Table 1. Irrigation usage from the Lower James Missouri aquifer (Water Rights, 1979-2008).

There are three existing water permits/rights for irrigation and one for municipal supply (in a different, deeper aquifer) located within two miles of this application. The nearest water permit, 6649-3, is located approximately one half mile southwest of this permit application. Water permit 6649-3 is in the Missouri Elk Point aquifer and interference is not expected to occur. Water levels do fluctuate as a result of area pumping but this does not affect the availability of water from the aquifer.

Recharge:

The Missouri aquifer is recharged from several sources. Recharge to the Missouri aquifer occurs through infiltration and subsequent percolation of precipitation in areas where the aquifer is near land surface (Niehus, 1994). Normal precipitation in Clay County is estimated to be 500,000 acre-feet (Christensen, 1967), a portion of which also contributes to aquifer recharge. The aquifer is also recharged from the underlying Dakota aquifer and some recharge also is from the Missouri River during periods of high flow and stage (Niehus, 1994).

Conclusions:

1. Water is available from the Lower James Missouri aquifer.
2. The aquifer appears to be under water table conditions at this location. Drawdown will result from pumping. Interference is not expected to be a problem.
3. If the well covered by this Permit depletes the domestic supplies or interferes with prior water rights, restrictions, to the extent necessary, of the capacity of the wells or periods of operation or other arrangements may be required to protect these water supplies.

4. This well must be constructed in accordance with SD Well Construction Standards.



Hayes Haas
Natural Resources Engineer

Bibliography:

Christensen, C.M., J.C. Stephens, 1967, Geology and Water Resources of Clay County, South Dakota, Bulletin 19, Part II Water Resources, South Dakota Geological Survey, Vermillion, SD 57069

Hedges, L.S. et al, 1982, Evaluation of Ground-Water Resources Eastern South Dakota and Upper Big Sioux River, South Dakota and Iowa, for the U.S. Army Corps of Engineers, SD DENR, SDGS, Vermillion, SD 57069

Niehus, C.A., 1994, Water Resources of Lincoln and Union Counties, South Dakota, USGS WRI Report 93-44195, United States Geological Survey, Rapid City, SD 57702

Water Rights, 2008, Unpublished Observation Well Records for Clay and Yankton Counties, SD DENR, Division of Water Rights, Pierre, SD, 57501

AFFIDAVIT OF PUBLICATION

State of South Dakota, County of Clay, ss **MAR 23 2009**

Penny Tucker

WATER RIGHTS
PROGRAM

Being first duly sworn, deposes and says: That he/she is a resident of the County of Clay and State of South Dakota; that

THE PLAIN TALK

is a legal newspaper of general circulation, printed and published in Vermillion, in said County and State, by Broadcaster Press, Inc., and is now and has been such newspaper continuously during all the times hereinafter mentioned; that affiant is and was during all the time hereinafter mentioned in charge of the advertising department thereof, and has personal knowledge of all the facts stated in this affidavit: and that the notice and advertisement headed:

NOTICE OF APPLICATION NO. 7091-3

TO APPROPRIATE WATER

a printed copy of which is hereunto attached and made a part hereof, was printed and published in the said newspaper at least once in each week

for 2 successive weeks; that said newspaper at the time of the first publication of said notice hereinafter stated, had, and still has, a bona fide circulation of over two-hundred paid copies weekly, and had been published in the said county of Clay for more than one year immediately prior to the date of the said publication of said notice, and that said newspaper during said times, was, and is, printed in part in an office maintained at said city of Vermillion, the said place of publication; that the first publication of said notice in said newspaper as aforesaid

was on Friday, the 13th day of March, 20 09, and that the succeeding publications were severally

on Friday, the 20th day of March, 20 09,

on Friday, the _____ day of _____, 20 _____,

on Friday, the _____ day of _____, 20 _____,

on Friday, the _____ day of _____, 20 _____,

that the fees charged for the printing and publication of the said notice and advertisement in said newspaper as aforesaid were

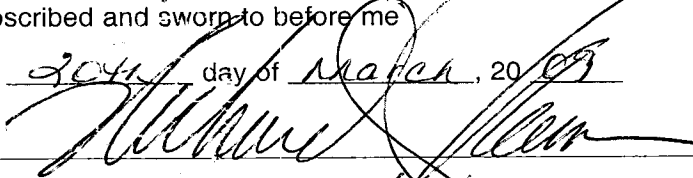
Forty-two dollars and 89 cents

and that said fees for the printing and publishing of said notice and advertisement have been fully paid; that the full amount of the fee charged for the publishing of the said attached annexed notice and advertisement inures to the benefit of the publisher of the 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 other person whomsoever.



Subscribed and sworn to before me

this 20th day of March, 20 09



Notary Public

My Commission Expires 5/23/11

NOTICE OF APPLICATION NO. 7091-3 to Appropriate Water

Notice is given that Logue Partnership, c/o Thomas Logue, 30674 Bluff Rd, Volin SD 57072 has filed an application for a water permit to appropriate 1.78 cubic feet of water per second from one well to be completed into the Lower James:Missouri Aquifer (approximately 170 feet deep) located in SW 1/4 SW 1/4 Section 18 to irrigate 138 acres located in the SW 1/4, SE 1/4 NW 1/4 Section 18; all in T94N-R53W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7091-3 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 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 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 March 30, 2009.

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.

Publish: March 13 & 20, 2009



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 5, 2009

Logue Partnership
c/o Thomas Logue
30674 Bluff Rd
Volin SD 57072

Dear Mr. Logue:

Water Permit Application No. 7091-3 for irrigation use 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 Plain Talk printed at Vermillion SD (Ph # 605-624-2695). You will need to contact the newspaper and authorize publication of this notice. For your information, a copy of the notice, the recommendations of the Chief Engineer and reports on the applications 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 applications.

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.



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 5, 2009

Plain Talk
PO Box 357
Vermillion SD 57069

ATTENTION: Legal Public Notice

Enclosed is a Notice on Application No. 7091-3 to Appropriate Water to be published twice. Please publish the first notice on March 13, 2009 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 Logue Partnership, c/o Thomas Logue, 30674 Bluff Rd., Volin SD 57072 (Ph # 605-267-3121).

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. 7091-3

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

Date _____

We are in receipt of your letter of March 5, 2009 enclosing Notice to Appropriate Water by Application No. 7091-3 which was first published in our issue of _____. **ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.**

Name

Newspaper

Instruction to Newspaper - Publish first Notice on March 13, 2009 with the second publication 7 days later. The applicant is responsible for payment. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352 or email: Karen.schlaak@state.sd.us.

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**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

JUN 12 2009

Logue Partnership
c/o Thomas Logue
30674 Bluff Rd
Volin SD 57072

Dear Mr. Logue:

Enclosed is Water Permit No. 7091-3 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

7091-3
RECEIVED

JUN 26 2009

WATER RIGHTS
PROGRAMNOTICE OF COMPLETION OF WORKS AND
APPLICATION OF WATER TO BENEFICIAL USEDate 6-15-09TO: Water Rights Program, DENR
523 E. Capitol
Pierre, SD 57501-3181

FROM:

Logue Partnership c/o Thomas Logue
(name)~~30874 25th St~~ 30565 455 Avenue
(address)Valer, SD 57072
(city, state, zip)

(phone)

I have completed the construction of the water use system and I have put the water to beneficial use to the maximum extent it is going to be used.

Water Permit No. 7091-3 states that the water use system is to be constructed by6-11-09

(date)

, and water is to be put to beneficial use by

6-11-09

(date)

The water use system was completed on 6-2-09

(date)

Applying the water to beneficial use was completed on

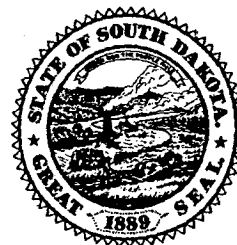
6-11-09

(date)

You may schedule an investigation so that the water license may be issued.

Thomas Logue

(signature)





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

June 29, 2009

7091-3

Thomas Logue
Logue Partnership
30565 455th Ave
Volin SD 57072

Dear Mr. Logue:

I am writing to acknowledge receipt of the "Notice of Completion of Works" form that you sent in to let us know that you are completed with your irrigation system.

The system is now ready for inspection. Inspections are done on a county-by-county basis as staff time permits. You have done everything you need to do and the intervening time between the completion of your project and the staff inspection has no bearing on your water permit.

Someone from our office will contact you prior to the inspection to set up a time that is convenient for you. If you have any questions, please contact me.

Sincerely,

A handwritten signature in black ink that reads "Genny McMath". The signature is written in a cursive, flowing style.

Genny McMath
Environmental Scientist
Water Rights Program
(605) 773-3352
email: genny.mcmath@state.sd.us

SOUTH DAKOTA WATER WELL COMPLETION REPORT

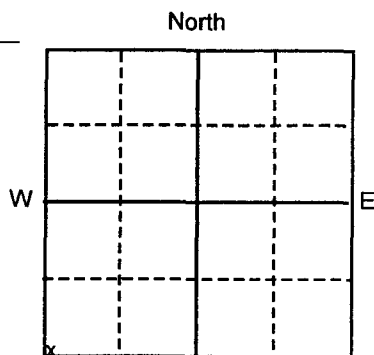
SD EForm - 1621LD V1

11-02

Location SW 1/4 SW 1/4 Sec 18 Twp 94n Rg 53w

County clay

Please mark well location with an "X"



Well Completion Date

6/22/09

← 1 Mile →

Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.):
1,400.0 ft. from septic tank (identify source)

PROPOSED USE:

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

METHOD OF DRILLING:

rotary

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

PIPEWEIGHT DIAMETER FROM TO HOLE DIAMETER
LB/FT 16.00 IN 0.0 FT 128.0 FT 22.00 IN
LB/FT IN FT FT IN
LB/FT IN FT FT IN

GROUTING DATA:

Grout Type No. of Sacks Grout Weight From To
bent grt 30 9.5 Lb/gal 0.0 Ft 122.0 Ft
Lb/gal Ft Ft

Describe grouting procedure
tremie

SCREEN:

☐ Perforated pipe ☒ Manufactured
Diameter 16.00 Inches Length 30.0 Feet

Material pvc

Slot Size .060 Set From 128.0 Feet to 158.0 Feet

Other information

WAS A PACKER OR SEAL USED?

☐ Yes ☒ No

If so, what material?

Describe packer(s) and location

DISINFECTION: Was well disinfected upon completion?

☒ Yes, How? hth tablets

Lab to which water quality sample sent for analysis ☐ No, Why Not?

Well Owner: Don Logue

Business Name: Logue Partnership

Address: 30674 Bluff Road

City, State, Zip: Volin SD 57072

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Clay, brown, silty, pebbly, till	0	16
Clay, gray, silty, pebbly, till	16	128
gravel, medium, w/ coarse sand	128	160
Shale, dk gray	160	163

STATIC WATER LEVEL 107.0 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: air lift development

☒ 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

JAN 29 2010

WATER RIGHTS PROGRAM

This well was drilled under license # 666 and this report is true and accurate.

Drilling firm: Hammond-Wetmore Drilling

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Date: _____

2-1-10



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

JUL 10 2018

8343-3

7091-3

Logue Partnership
c/o Thomas Logue
30565 455th Ave
Volin SD 57072

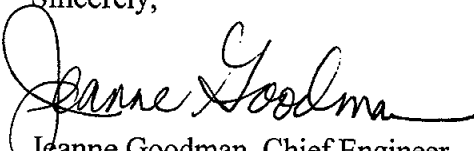
Dear Mr. Logue:

Enclosed are Water Permit and License No. 8343-3. These are the final water right documents completing your process of obtaining a Water Right. Also, included with your license is a map prepared by the staff engineer who conducted the investigation.

For your information SDCL 46-6-27 requires that if in the future the owner drills a replacement well and has no plan to use the old existing 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.

As long as you use the water beneficially, as stated in the Water License, the State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Sincerely,


Jeanne Goodman, Chief Engineer
Water Rights Program
(605) 773-3352

Note: The applicable portions of No. 7091-3 are incorporated into Water License No. 8343-3.

enclosures