

WATER PERMIT NO. 7185-3

Name of Applicant: **Tom Jongeling**

Address: **7138 Pennsylvania Ave, Kansas City MO**

Phone: **816 304 7386**

Amount of Water Claimed: **1.78 cfs**

Total Acres: **140 acre**

Source of Water Supply: **groundwater (2 wells)**

Water to be used for: **irrigation**

County: **Hamlin**

Type of Waste Disposal System:

Location: **4 miles northwest of Estelline**

PRIORITY

Date Received: **2-23-10**

Application/License Fee: **\$1050.00**

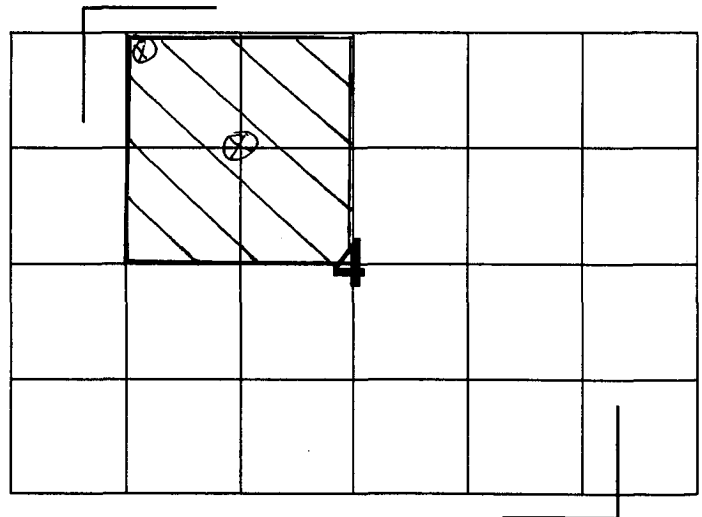
Corrected Application Received:

Period of Annual Use: **May 1 – Sept 30**

Remarks:

Diversion Point: **NW ¼ NW ¼ and center of NW ¼ Sec 4-T113N-R51W**

Land to be Irrigated: **NW ¼ Sec 4-T113N-R51W**



Depth of Well: **27 feet deep**

Well Driller:

Remarks:

Type of Map: **aerial**

Prepared by: **Peggy Loomis, Hamlin Co FSA**

Reviewed and the Number Assigned on: **2-23-10**

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>7185-3</u> (office use only) Hydrologic Unit <u>10170202</u>
	Basin <u>Big Sioux River</u>
	Newspaper <u>Hamlin Co. Republican PO Box 50</u> <u>605-793-2293</u> <u>continued 51223</u>

RECEIVED
FEB 23 2010
WATER RIGHTS
PROGRAM

Application For Permit To Appropriate Water For Irrigation

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

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.)

1. Name of Applicant Tom Jongeling Phone 816 304-7386 cell
(check one) ☒ Owner ☐ Tenant/lessee
Mailing Address 7138 Pennsylvania Ave Kansas City State MO 64114-1317
(Street, RR, or Box and City) (Zip Code)
2. Amount of water claimed 1.78*CFS or 800 **GPM ***AF Total Acreage 140
(*Cubic Feet per Second) (**Gallons per Minute) (**Acre Feet - storage capacity of dam/dugout or annual use if applicable)
3. Source of water supply well
4. Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) County Hamlin
One well in the center of the NW1/4 113N T51W Sec 4
2nd well 500 ft south from NW corner of NW1/4 on west edge NW1/4 NW1/4)
5. County or counties where water will be used Hamlin
6. Annual period during which water is to be used May 1 - Sept 30
7. List below each forty acre division, or lot, or fraction thereof and show number of acres to be irrigated in each.
(Attach sheet if more space is needed)

Land Description	Acres	Land Description	Acres
NW 1/4 of the NW 1/4 Sec 4 113N 51W	35		
SW 1/4 of the NW 1/4 Sec 4 113N 51W	35		
SE 1/4 of the NW 1/4 Sec 4 113N 51W	35		
NE 1/4 of the NW 1/4 Sec 4 113N 51W	35		

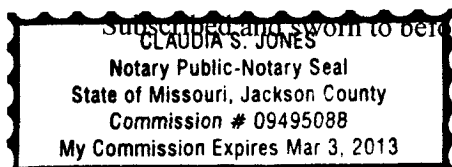
8. Give a description of the project. (Attach sheet if more space is needed)

Missouri
STATE OF SOUTH DAKOTA SS
County of Jackson

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, Thomas Jongeling, 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 Jongeling
Subscribed and sworn to before me this 16th day of Feb. 20 10



Claudia S. Jones
Notary Public signature

**SOUTH DAKOTA
WATER PERMIT NO. 7185-3**

Date of first receipt of application February 23, 2010.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 7185-3 to Tom Jongeling, 7138 Pennsylvania Ave, Kansas City MO 64114 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. 7185-3 appropriates 1.78 cubic feet of water per second from two wells to be completed into the Big Sioux:Brookings Aquifer (approximately 27 feet deep) located in NW 1/4 NW 1/4 and the center of the NW 1/4 Section 4 to irrigate 140 acres located in the NW 1/4 Section 4; all in T113N-R51W.
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 February 23, 2010.
4. The date of approval of Permit No. 7185-3 is April 12, 2010.
5. One-fifth of the construction is to be completed on or before October 12, 2012.
6. All construction is to be completed on or before April 12, 2015.
7. Water is to be put to beneficial use on or before April 12, 2019.
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 Permit No. 7185-3 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. 7185-3 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.

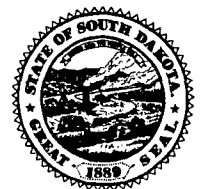
WATER MANAGEMENT BOARD

By: Garland Erbele

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

JUL 15 2010

date



(type or print in ink)

1. Well Information - Proposed Construction

- a) Drill Hole Diameter 18" Depth 27 ft
- b) Casing Type Steel Diameter 12" Thickness 3/8
- c) Screen Type Stainless Steel Diameter 12" Thickness 1/8
- d) Gravel Pack #120 slot red flint Length of Gravel Pack 19 ft
- e) Depth to Top of Water Bearing Material 2 ft
- f) Depth to Water (ground surface to water level) 2 ft
- g) Distance to nearest existing domestic well:

On applicants property NONE

On property owned by others 2600 ft center well
1400 ft NW test well

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

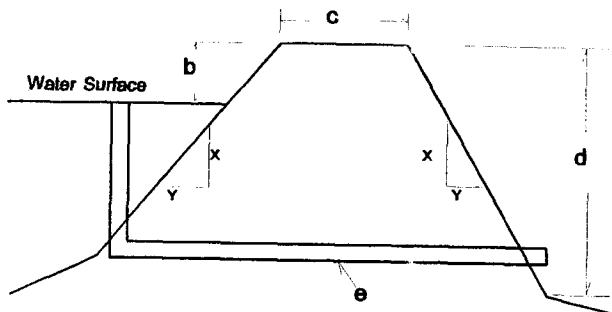
3. Dugout Information

- 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

NHEL

812
3
13.47
NHEL

801
2
8
NHEL

812
1
33.78
NHEL

812
2
97.13
NHEL

4774
4
88.08
NHEL

801
1
41.22
NHEL

256
5
28.35
NHEL

256
3
11.96
NHEL

256
6
19.98
NHEL

256
4
7.71
NHEL

256
7
27.2
NHEL

25677
8
10.3
NHEL

256
9
37.59
NHEL

25677
2
152.53
NHEL

24569

RECEIVED

FEB 23 2010

WATER RIGHTS
PROGRAM

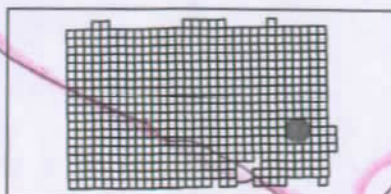
USDA U.S. Dept. of Agriculture
Farm Service Agency

South Dakota
HAMLIN

4-113N-51W

Legend

-  Tract Boundaries
-  Section-Township-Range
-  CRP
-  Easements
-  Wetlands
-  Common Land Units
-  Rangeland



USDA FSA maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer and/or the 2004 ortho rectified imagery for South Dakota. The producer accepts the data "as is" and assumes all risks associated with its use. The

August 22 2006

Peggy Loomis, Dist. Mgr. 2/12/10

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

 Location _____ 1/4 _____ 1/4 Sec _____ Twp _____ Rg _____
 County _____ North

Please mark well location with an "X"

44° 37' 36.5"

96° 57' 39.7"

Well Completion Date

4 FEB 10



LOCATION:

 Distance from nearest potential pollution source (septic tank, abandoned well,
 feed lot, etc.)? _____ ft. from _____ (identify source).

PROPOSED USE:

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

METHOD OF DRILLING:

MUD Rotary

CASING DATA: ☐ Steel ☐ Plastic ☐ OtherIf other describe N/A

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
Quick Set	3	_____ lb./gal	0	40

Describe grouting procedure psi tremiSCREEN: ☐ Perforated pipe ☐ Manufactured

Diameter _____ IN Length _____ FEET

Material _____

Slot Size _____ Set From _____ Feet to _____ 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: _____

NO, Why Not? _____

Laboratory sent to for water
quality analysis _____Well Owner: Tom / Brad @ Tongelmy

Business Name: _____

Address: Dempster SDWELL LOG: Hole #1

FORMATION	DEPTH	
	FROM	TO
LOAM	0	2
GRAVEL	2	26
CLAY	26	40

STATIC WATER LEVEL Apt 3-5' Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped Describe: _____☐ Bailed _____☐ Other _____

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS

Hole #1
Center of Field

This well was drilled under license # _____

And this report is true and accurate.

Drilling firm _____

Signature of License Representative: _____

Signature of Well Owner or Equitable Property Holder: _____

Date: _____

 RECEIVED
 FEB 23 2010
 WATER RIGHTS
 PROGRAM

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location _____ 1/4 _____ 1/4 Sec _____ Twp _____ Rg _____
County _____ North

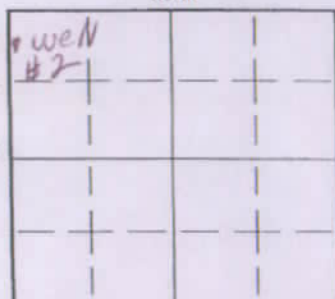
Please mark well location with an "X"

44° 37' 46.3" W

96° 57' 56.7"

Well Completion Date

4 FEB 10



1 Mile

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well,

feed lot, etc.)? _____ ft. from _____ (identify source).

PROPOSED USE:

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

METHOD OF DRILLING:

MUD ROTARY

CASING DATA: ☐ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
Quick Cure 2	2	_____ lb./gal	_____ ft	_____ ft
		_____ lb./gal	0	30

Describe grouting procedure psi tremie

SCREEN: ☐ Perforated pipe ☐ Manufactured

Diameter _____ IN Length _____ FEET

Material _____

Slot Size _____ Set From _____ Feet to _____ 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: _____

_____ NO, Why Not? _____

Laboratory sent to for water
quality analysis _____

Well Owner: BRAD Jongeling

Business Name: _____

Address: Dempster S.D

WELL LOG: Hole # 2

FORMATION	DEPTH	
	FROM	TO
LOAM	0	2
GRAVEL	2	27
CLAY	27	30

I think looked the best.
John

STATIC WATER LEVEL Apr 3'-5' Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped Describe: _____☐ Bailed _____☐ Other _____

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS Hde #2

NW CORNER OF FIELD

This well was drilled under license # _____

And this report is true and accurate.

Drilling firm _____

Signature of License Representative: _____

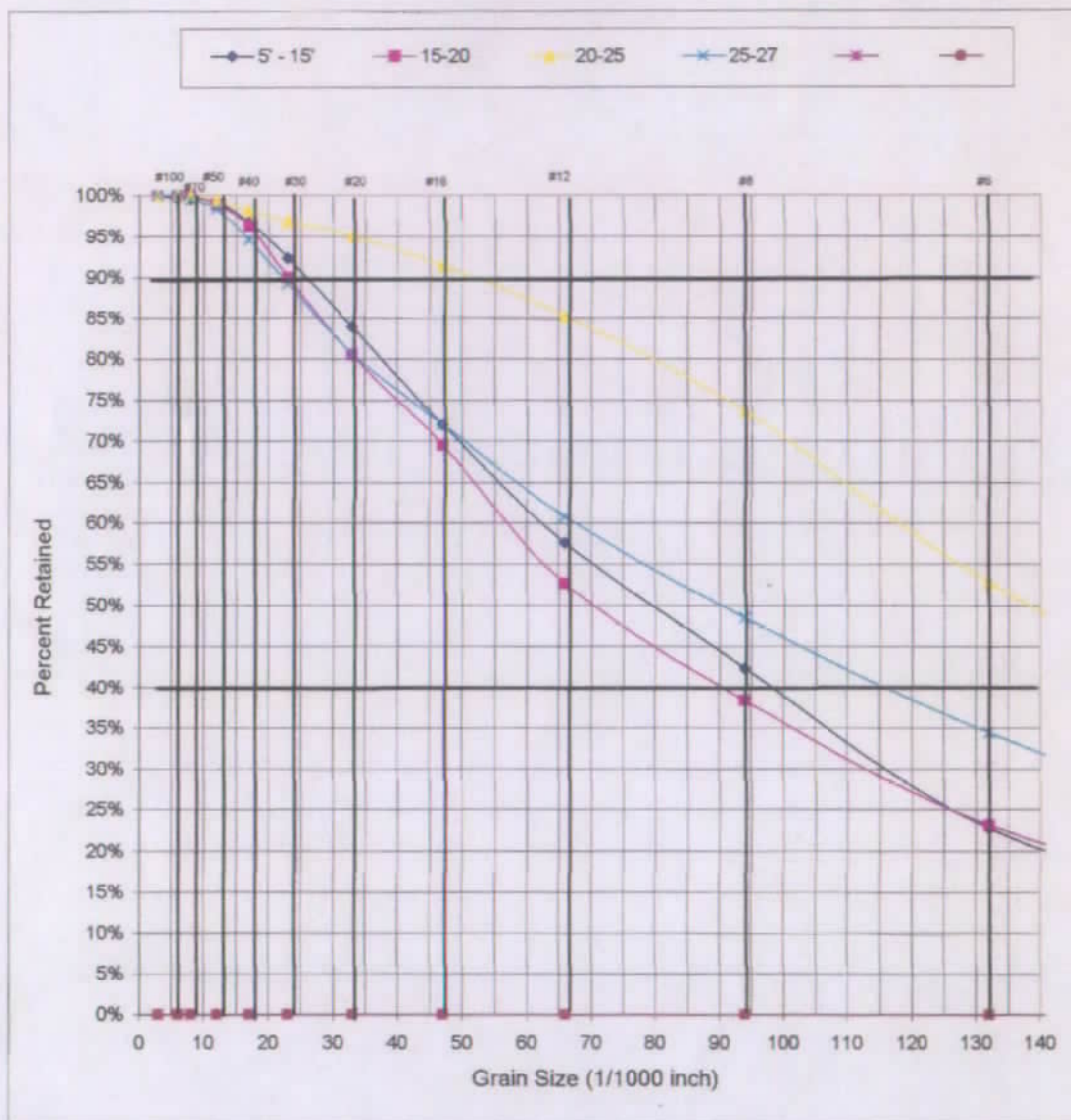
RECEIVED

FEB 23 2010

Signature of Well Owner or Equitable Property Holder _____

WATER RIGHTS
PROGRAM

Date: _____



Job Name Dempster #2
Location
Driller Steffl Drilling
Engineer

Sample ID 020810-2
Analyzed by: Al Smith, 651-638-3160
Date: 2/8/2010

Screen ϕ 12" Pipe Size
Depth
Method
Fluid

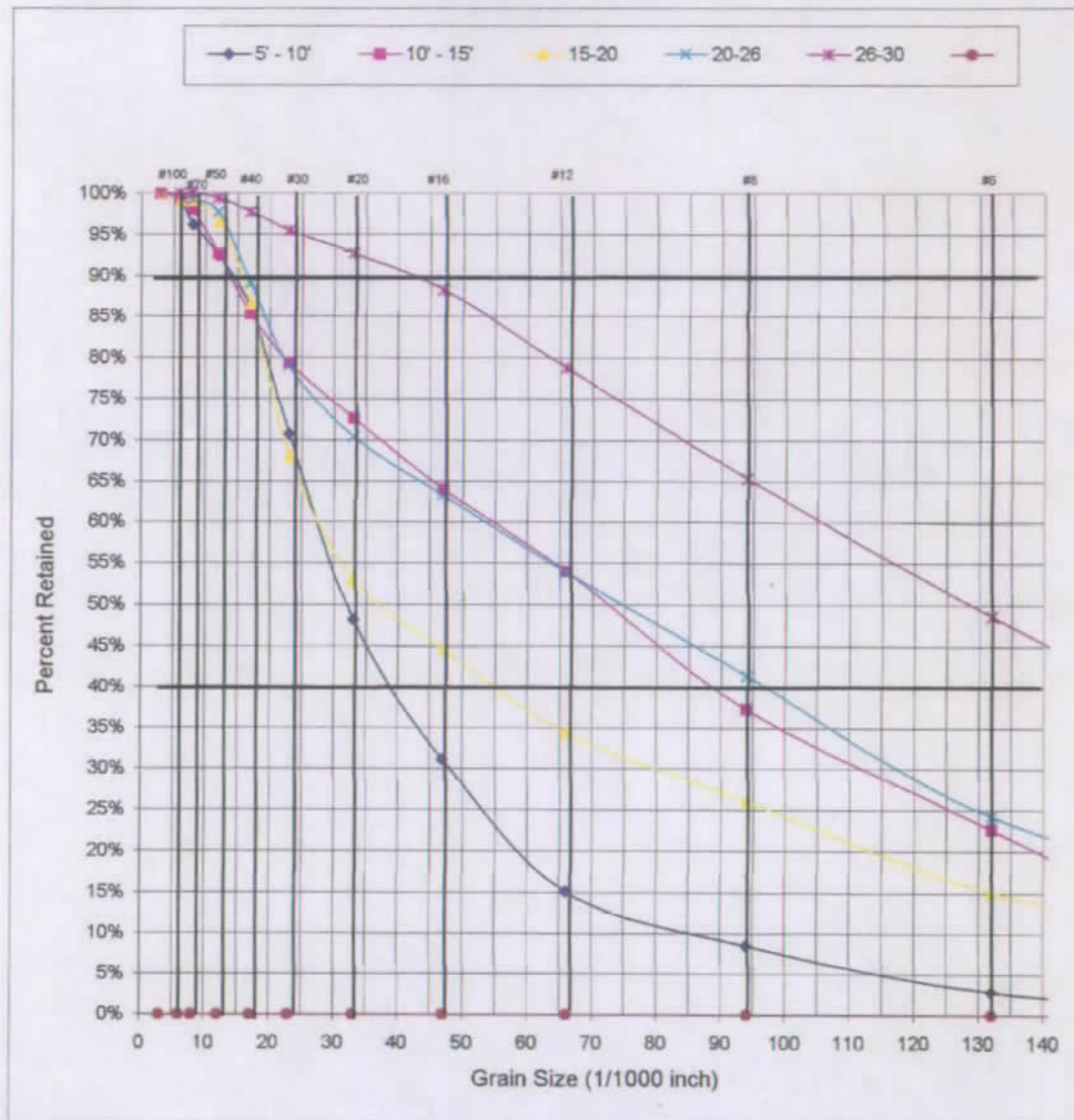
Casing ϕ 12"
Yield 800 GPM

SWL (ft) 3' - 5'

Recommended Slot Size: 100 Slot From 18' - 27'
Recommended Gravel Pack: #120 Well Slot Red Flint

#NAME?

Send Samples to 1950 Old Highway 8, New Brighton, MN 55112



Job Name Dempster #1
Location
Driller Steffi Drilling
Engineer

Sample ID 020810-1
Analyzed by: Al Smith, 651-638-3160
Date: 2/8/2010

Screen ϕ 12" Pipe Size
Depth
Method
Fluid

Casing ϕ 12"
Yield 800 GPM
SWL (ft) 5'

Recommended Slot Size: 100 Slot From 18' - 27'
Recommended Gravel Pack: #120 Well Slot Red Flint

#NAME?

Send Samples to 1950 Old Highway 8, New Brighton, MN 55112

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 2/23, 20 10

RECEIVED OF Thomas H Jongeling 7138 Pennsylvania Ave Kansas City MO 64114

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

Fee for Application for Permit No. <u>7185-3</u> to Appropriate Water, to construct and to put water to beneficial use	850	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>7185-3</u>	200	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	1050 00

No.

04492

By

John O. Edwards

Chief Engineer

RECEIVED

FEB 23 2010

WATER RIGHTS
PROGRAM

Please send me
a copy of the request
to public notice
this permit for
Tom Jon geling
Thank's
Dave

PO Box 29

Farmers

Implement and Irrigation

East Highway 14 Bypass

Brookings, SD 57006

Office 605/692-6153

Res. 605/692-6883

1-800-658-5447

Cell 605/690-9013

DAVE GULLICKSON

**NEW HOLLAND
VALLEY**

Kinze

Westfield

D.M.I

Rem

WilRich

Grasshopper

Farm King



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
denr.sd.gov

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 7185-3, Tom Jongeling**

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. 7185-3, Tom Jongeling, 7138 Pennsylvania Avenue, Kansas City, MO 64114.

The Chief Engineer is recommending APPROVAL of Application No. 7185-3 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 Permit No. 7185-3 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. 7185-3 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 12, 2010

REPORT ON WATER PERMIT APPLICATION NO. 7185-3

For Tom Jongeling

February 23, 2010

Application No. 7185-3 proposes to appropriate 1.78 cfs (800 gpm) from two wells approximately 27 feet deep located in the NW $\frac{1}{4}$ NW $\frac{1}{4}$ and the center of the NW $\frac{1}{4}$ of section 4 to irrigate 140 acres located in the NW $\frac{1}{4}$ of section 4; all in T113N R51W in Hamlin County.

AQUIFER – BIG SIOUX BROOKINGS (BS-B)

The Big Sioux Brookings is a predominantly surficial outwash (sand and gravel) that is largely under water table conditions in Hamlin County. The aquifer underlies 88,500 acres and contains an estimated 331,880 acre-feet of recoverable water in storage in Hamlin County (Hedges, 1982). The aquifer blends into the Big Sioux North aquifer to the north and extends into Brooking County to the south and into Deuel County to the east. Ground water movement appears to be from northeast to southwest in the area of this application (Kume, 1985). Kume mapped the entire aquifer in Hamlin County which he called the Big Sioux aquifer (did not use the management units which are used in this report) and estimated the aquifer to underlie 113,920 acres and contain an estimated 480,000 acre feet of water in storage. If the Big Sioux North management unit estimate by Hedges is included, the two different estimates are reasonably close. The aquifer is hydraulically connected to the Big Sioux River and some area lakes and streams. Generally ground water movement is toward these surface water bodies which act as discharge zones for the ground water, however under some hydrologic conditions the surface water does recharge the ground water system. Recharge has been estimated to average about 6.57 inches per year to the aquifer (Koch, 1980).

Two test well logs were filed with the application. Test #1 indicates gravel from 2 to 26 feet below land surface and Test #2 indicates gravel from 2 to 27 feet below land surface. The static water level was reported to be 3-5 feet below land surface for both tests. The Hamlin County study would indicate a potential thickness of 20 to 40 feet for the Big Sioux aquifer in the area (Kume, 1985).

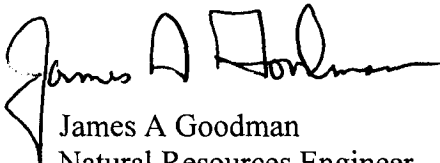
The Water Rights Program monitors four observation wells within two miles of this application. HN-57B is located about two miles west, HN-75A is located about two miles southeast, HN-77E is located about one mile north, and HN-77F is located about one mile northeast, all from this application. Water levels for these wells show good response to climatic conditions. Water levels rise during wet periods (recharge) and gradually decline during dry years. Hydrographs for these observation wells are included with this report (Water Rights, 2010). There appears to be very little response to pumping in the water level record. Also note that over the period of record water levels have changed from 7 to 12 feet from the absolute highest to lowest in these observation wells. The magnitude of fluctuation appears to be related to the distance from the Big Sioux River with somewhat less fluctuation nearer to the river.

REVIEW OF EXISTING WATER PERMITS/RIGHTS

The closest permitted irrigation well is for Water Right No. 4418-3 (1.33 cfs, irrigation of 134 acres) located about one-half mile to one-quarter mile west of these proposed wells. At this distance, interference is not expected to be a concern. Drawdown will be created by pumping but will not be significant at the distance between wells. Also note that the Big Sioux River is located about one mile directly south of this permit application. The observation well record reinforces the conclusion that drawdown is not significant. Note that only observation well HN-57B is located on the opposite side of the Big Sioux River as this application. The other observation wells are located on the same side of the river as this application.

CONCLUSIONS

1. Water is available from the Big Sioux Brookings aquifer.
2. The aquifer is under water table conditions in this area. Drawdown created by pumping is not expected to be significant. Interference is not a concern.
3. The wells authorized by this application must be constructed in accordance with SD Well Construction Standards.
4. These wells will be more than one-half mile from the Big Sioux River. The distance should minimize any potential effects of pumping on flows in the river.
5. The aquifer is relatively thin in this area. During dry years when the water level declines due to drought these wells may not be able to maintain the amount of water needed. Until the production wells are completed and tested this factor will be difficult to evaluate.



James A Goodman
Natural Resources Engineer

BIBLIOGRAPHY

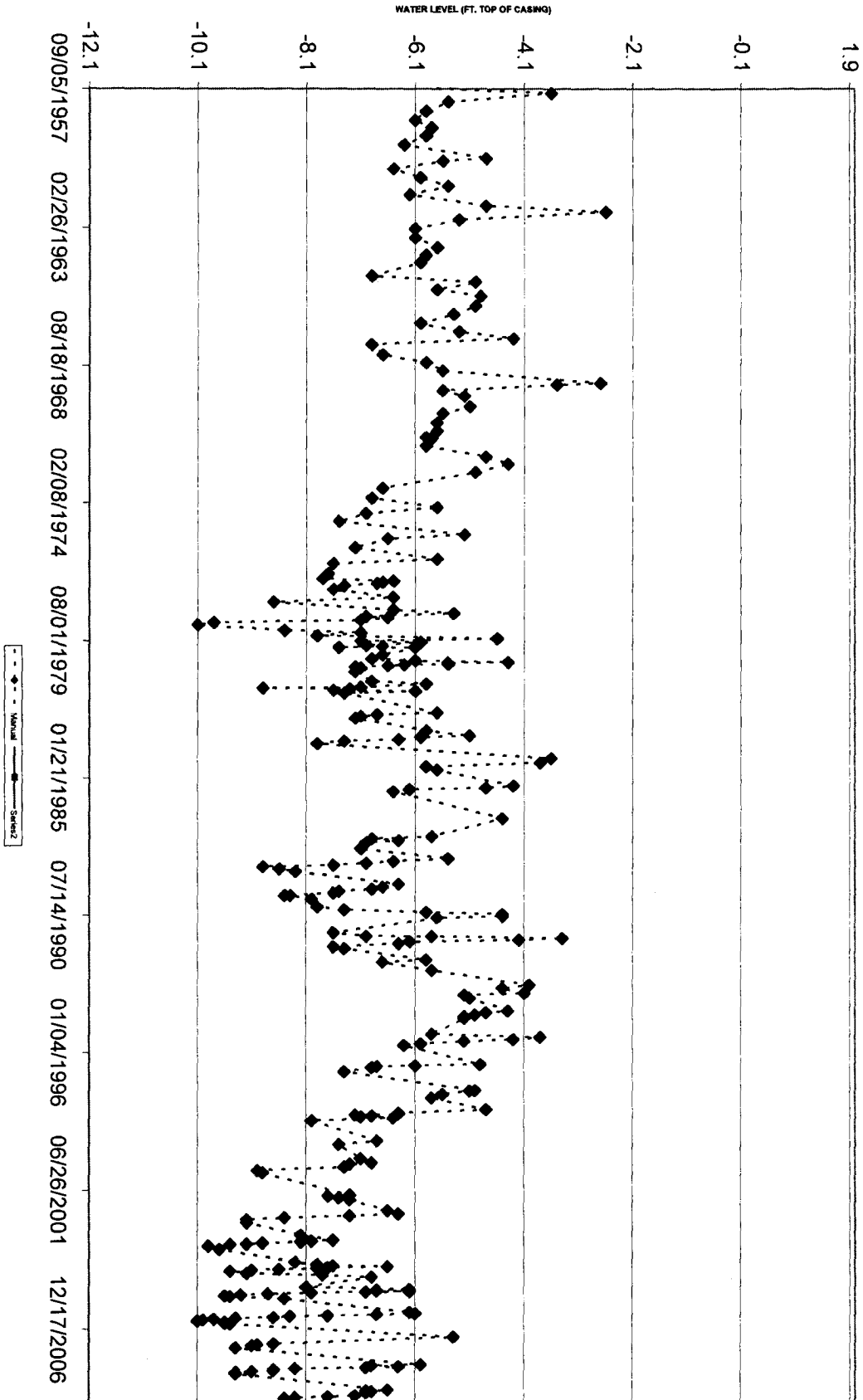
Hedges, L.S., and others, 1982, Evaluation of Ground-Water Resources Eastern South Dakota and Upper Big Sioux River South Dakota and Iowa, for US Army Corps of Engineers, SD DENR, SDGS, Vermillion, SD, 57069.

Koch, N.C., 1980, Appraisal of the Water Resources of the Big Sioux Aquifer, Brookings, Deuel, and Hamlin Counties, South Dakota, Water-Resources Investigation Report 80-100, USGS, Huron, SD, 57350.

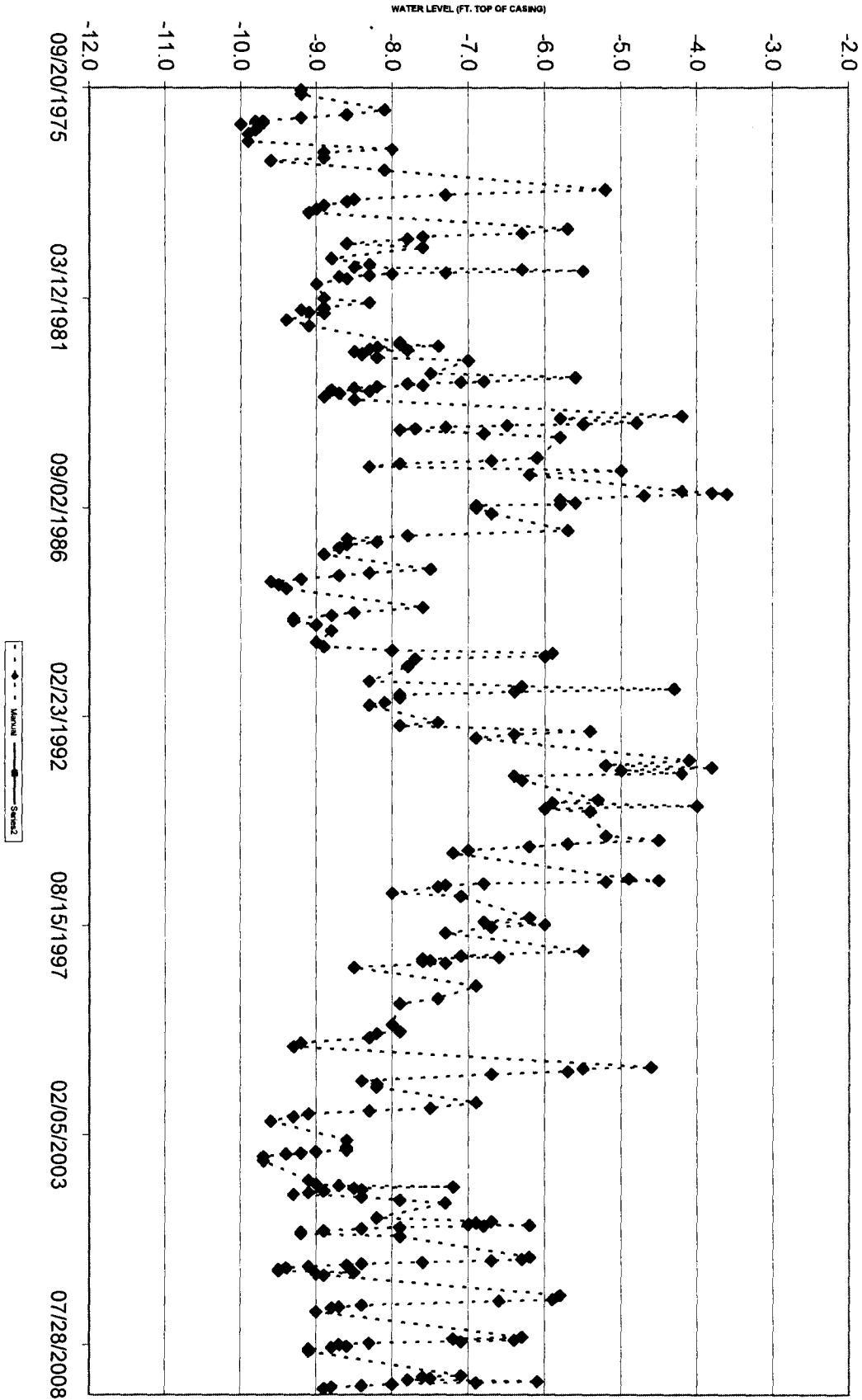
Kume, J., 1985, Water Resources of Deuel and Hamlin Counties, South Dakota, Water-Resources Investigation Report 84-4069, USGS, Huron, SD, 57350.

Water Rights, 2010, Unpublished Observation Well Data for Hamlin County, SD DENR, DES, Water Rights Program, Pierre, SD, 57501.

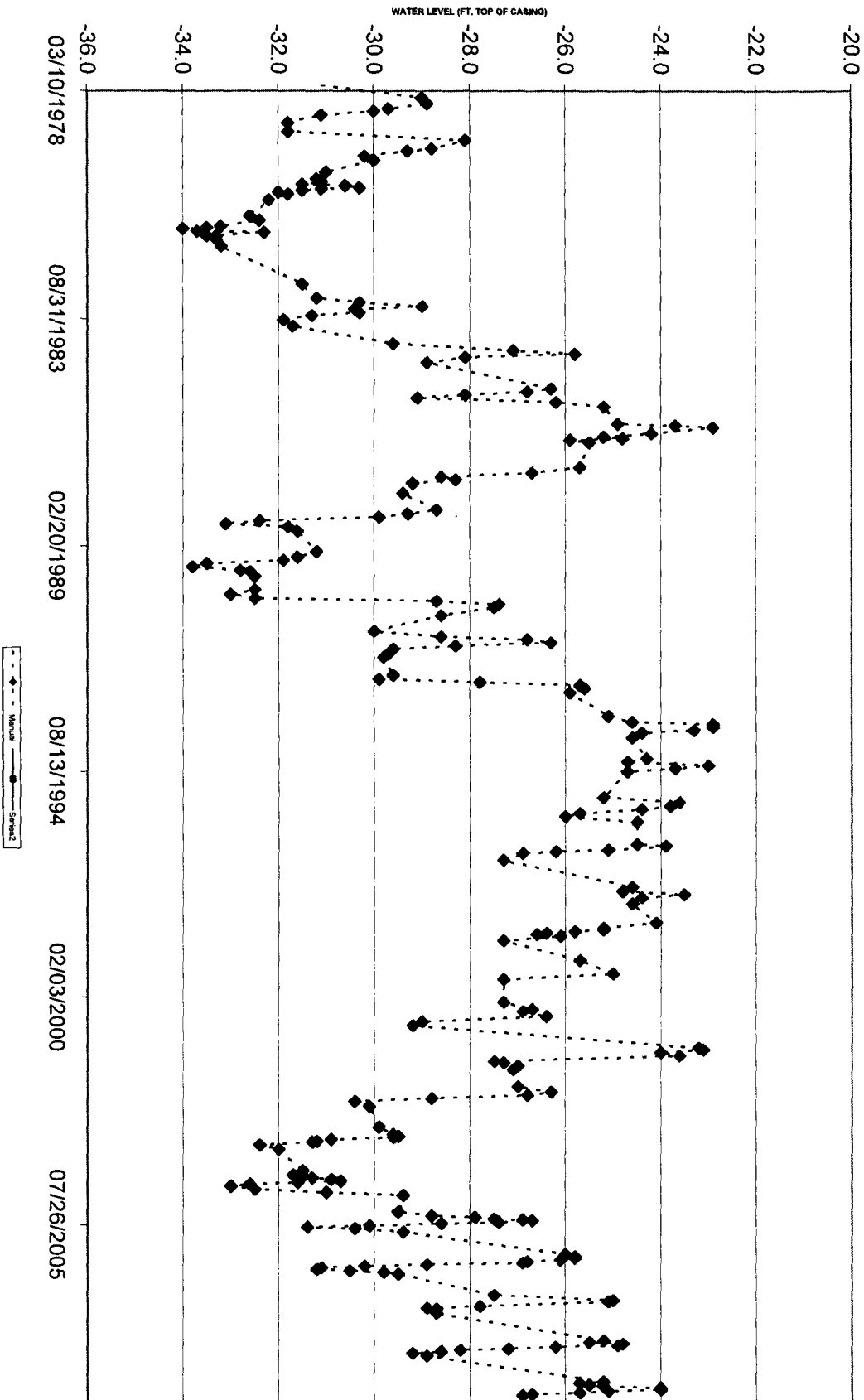
WATER RIGHTS' OBSERVATION WELL
HN-57B



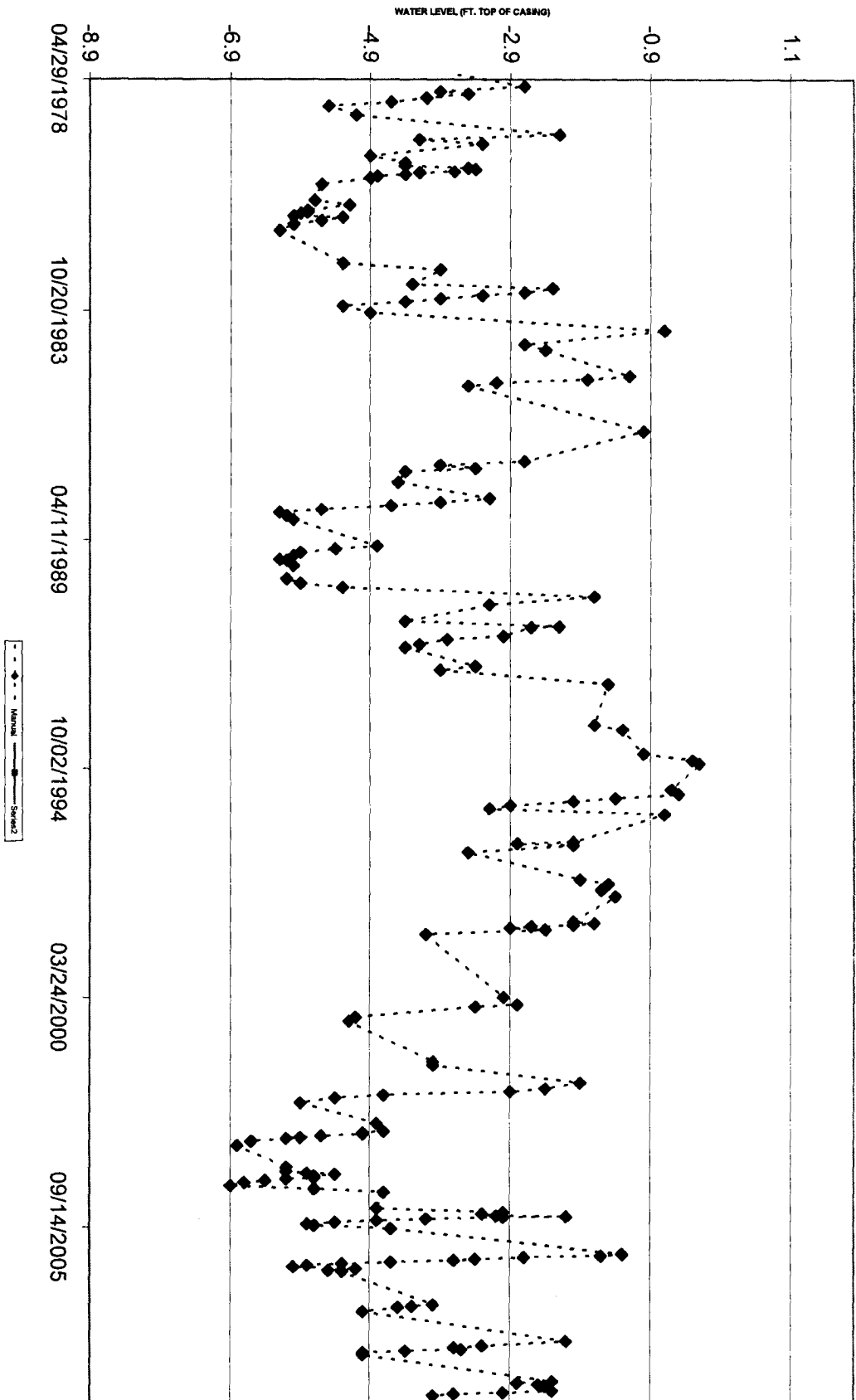
WATER RIGHTS' OBSERVATION WELL
HN-75A



WATER RIGHTS' OBSERVATION WELL
HN-77F



**WATER RIGHTS' OBSERVATION WELL
HN-77E**



RECEIVED

APR - 5 2010

Form 8

WATER RIGHTS
PROGRAM

Wednesday, March 10, 2010

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)

County of Hamlin) SS

I, LeeAnne Archer

certify that the attached printed Notice was taken

from the Hamlin County
Republican

printed and published in Castwood

County of Hamlin and

state of South Dakota. The notice was published

in the newspaper on the following two dates:

March 24

March 31

Cost of Printing \$40.99

LeeAnne Archer
(Signature)

Owner
(Title)

3-31-10
(Date Signed)

NOTICE OF APPLICATION NO. 7185-3 TO APPROPRIATE WATER

Notice is given that Thomas Jongeling, 7138 Pennsylvania Ave, Kansas City MO 64114 has filed an application for a water permit to appropriate 1.78 cubic feet of water per second from two wells to be completed into the Big Bloux-Brookings Aquifer (approximately 27 feet deep) located in NW 1/4 NW 1/4 and the center of the NW 1/4 Section 4 to irrigate 140 acres located in the NW 1/4 Section 4; all in T113N-R51W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7185-3 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 April 12, 2010.

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.

Published March 24 and 31, 2010, at total cost of \$40.99.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
denr.sd.gov

March 15, 2010

Hamlin County Republican
PO Box 50
Castlewood SD 57223

ATTENTION: Legal Public Notice

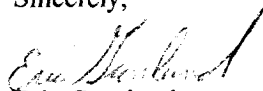
Enclosed is a Notice on Application No. 7185-3 to Appropriate Water to be published twice. Please publish the first notice on March 24, 2010 with the second publication 7 days later. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352.

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 Tom Jongeling, 7138 Pennsylvania Ave., Kansas City MO 64114 (Ph # 816-304-7386).

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. 7185-3

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

Date _____

We are in receipt of your letter of March 15, 2010 enclosing Notice to Appropriate Water by Application No. 7185-3 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
denr.sd.gov

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

March 15, 2010

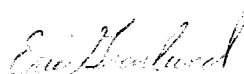
Tom Jongeling
7138 Pennsylvania Ave
Kansas City MO 64114

Dear Mr. Jongeling:

Water Permit Application No. 7185-3 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 Hamlin County Republican printed at Castlewood SD (Ph # 605-793-2293). 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
eric.gronlund@state.sd.us

enclosures

cc: Dave Gullickson, Farmers Implement, PO Box 29, Brookings SD 57006

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 March 24, 2010 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.

NOTICE OF APPLICATION NO. 7185-3 to Appropriate Water

Notice is given that Thomas Jongeling, 7138 Pennsylvania Ave, Kansas City MO 64114 has filed an application for a water permit to appropriate 1.78 cubic feet of water per second from two wells to be completed into the Big Sioux:Brookings Aquifer (approximately 27 feet deep) located in NW ¼ NW ¼ and the center of the NW ¼ Section 4 to irrigate 140 acres located in the NW ¼ Section 4; all in T113N-R51W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7185-3 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 April 12, 2010.

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.

Published twice at the total approximate cost of_____.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
denr.sd.gov

JUL 15 2010

Tom Jongeling
718 Pennsylvania Ave
Kansas City MO 64114

Dear Mr. Jongeling:

Enclosed is Water Permit No. 7185-3 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

RECEIVED

SEP 22 2010

WATER RIGHTS
PROGRAMNOTICE OF COMPLETION OF WORKS AND
APPLICATION OF WATER TO BENEFICIAL USEDate Sept 18, 2010TO: Water Rights Program, DENR
523 E. Capitol
Pierre, SD 57501-3181

FROM:

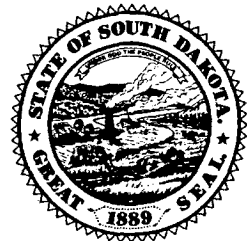
Thomas Jongeling
(name)
7138 Pennsylvania Ave
(address)
Kansas City, MO 64114 816 444 4253
(city, state, zip) (phone)

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. 7185-3 states that the water use system is to be constructed byApril 12, 2015, and water is to be put to beneficial use by April 12, 2019.
(date) (date)The water use system was completed on Aug 1, 2010.
(date)Applying the water to beneficial use was completed on Sept 18, 2010.
(date)

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

Thomas Jongeling
(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

September 22, 2010

7185-3

Thomas Jongeling
7138 Pennsylvania Ave
Kansas City MO 64114

Dear Mr. Jongeling:

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,

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

7185-3

McMath, Genny

From: Thomas Jongeling [jongeling@everestkc.net]
Sent: Sunday, October 24, 2010 5:56 PM
To: McMath, Genny
Subject: Irrigation Inspection

Dear Ms McMath:

Thank you for the letter concerning the upcoming inspection of an irrigation system place on the northwest quarter of section 4 of the Estelline township. Please contact my nephew concerning the inspection. He is renting the land and lives close by. The following is his contact information:

Brad Jongeling
18995 461st Ave
Estelline, South Dakota 57234
Cellular phone number: 605-881-3432
Home phone number: 605-873-2898

If you have any question please feel free to contact me.

Tom Jongeling
7138 Pennsylvania Ave
Kansas City , MO 64114-1317
816-444-4253
tom@jongeling.net

10/25/2010



ANALYTICAL SUMMARY REPORT

May 11, 2010

Susan Yeo

Steffl Drilling and Pump

2295 66th Ave NE

Willmar, MN 56201

Workorder No.: R10040400

Project Name: Tom Jongeling

Energy Laboratories Inc. received the following 1 sample for Steffl Drilling and Pump on 4/29/2010 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R10040400-001	New Well	04/28/10 10:00	04/29/10	Drinking Water	Metals by ICP/ICPMS, Dissolved Bacteria, Private Water Supply Conductivity Anions by Ion Chromatography

Thank you for submitting your samples to Energy Laboratories, Inc. - Rapid City. The following pages contain the results of your sample analysis.

The samples were analyzed in accordance with the methods specified on the analytical reports. All analyses were accompanied by applicable quality assurance samples throughout the test. Where applicable, the results of these quality assurance samples will be included with your analytical data.

If you have any questions regarding the analyses performed or the results of these analyses, please feel free to call Linda Larson at (888)672-1225, (605)342-1225 or llarson@energylab.com.

Sincerely,

Jennifer Hartman
Inorganic Analyst/Supervisor
Energy Laboratories, Inc.
Rapid City, SD

Report Approved By:


Supervisor

Digitally signed by
Jennifer Hartman

Date: 2010.05.12 09:04:19 -06:00



ENERGY LABORATORIES, INC. * 2821 Plant St * Rapid City, SD 57702
Toll Free 888.672.1225 * 605.342.1225 * FAX 605.342.1397 * rapid_city@energylab.com

CLIENT: Steffl Drilling and Pump
Project: Tom Jongeling
Sample Delivery Group: R10040400

Report Date: 05/11/10

CASE NARRATIVE

Tests Associated with Analyst identified as ELI-B were subcontracted to Energy Laboratories Billings Branch, EPA Number MT00005.



ENERGY LABORATORIES, INC. * 2821 Plant St * Rapid City, SD 57702
Toll Free 888.672.1225 * 605.342.1225 * FAX 605.342.1397 * rapid_city@energylab.com

LABORATORY ANALYTICAL REPORT

CLIENT: Steffl Drilling and Pump

Project: Tom Jongeling

Report Date: 05/11/10

Lab ID: R10040400-001 **Matrix:** DRINKING WATER

Collection Date: 04/28/10 10:00

Client Sample ID: New Well

Received Date: 04/29/10 09:30

Sampled By: Not Provided

Analyses	Result	Units	Safe/Unsafe	Qualifier	Method	Analysis Date / By
MICROBIOLOGICAL						
Bacteria, Total Coliform	Absent	P/A	SAFE		A9223 B	04/29/10 10:00 / tb
Bacteria, E-Coli Coliform	Absent	P/A			A9223 B	04/29/10 10:00 / tb

Comments: The notation "SAFE" indicates that the water was bacteriologically SAFE when sampled.

The notation "UNSAFE" indicates that the water was bacteriologically UNSAFE when sampled.

Method Reference: E - EPA / MCAWW Methodology A - Standard Methods 19th Ed.



LABORATORY ANALYTICAL REPORT

Client: Steffl Drilling and Pump
Project: Tom Jongeling
Lab ID: R10040400-001
Client Sample ID New Well

Report Date: 05/11/10
Collection Date: 04/28/10 10:00
Date Received: 04/29/10
Matrix: Drinking Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PARAMETERS							
Conductivity @ 25 C	1040	umhos/cm		5.0		A2510 B	05/06/10 11:32 / tb
INORGANIC PARAMETERS							
Nitrogen, Nitrate as N	1.0	mg/L		0.1	10	E300.0	04/30/10 00:17 / jmh
Sulfate	253	mg/L		1		E300.0	05/07/10 07:58 / jmh
DISSOLVED METALS ANALYSES							
Sodium	42	mg/L		1		E200.7	05/03/10 13:53 / eli-b

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

SOUTH DAKOTA WATER WELL COMPLETION REPORT

7185-3

07-92

Location SW 1/4 NW 1/4 Sec 4 Twp 113-N Rg 51-W

County

North

Well Owner: Tom Jonkeling

Business Name:

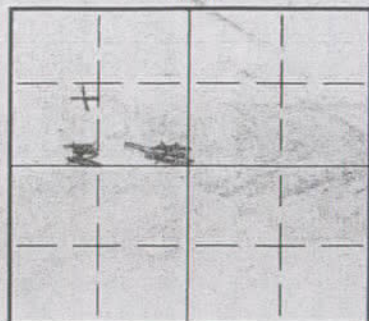
Address: 7138 Pennsylvania Ave
Kansas Mo. 64114

Please mark well location with an "X"

W

E

Well Completion Date

2-18-12

1 Mile

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well,

feed lot, etc.)? 3/4 mile East ft. from Town Septic (identify source).

PROPOSED USE:

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

METHOD OF DRILLING:

Bucket-False Casing

CASING DATA:

- ☐ Steel ☒ Plastic ☐ Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>25</u> LB/FT	<u>14</u> IN	<u>+</u> FT	<u>16'6"</u> FT	<u>20</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
<u>Bestcrete</u>	<u>14</u>	_____ lb./gal	<u>0</u> ft	<u>6</u> ft
_____	_____	_____ lb./gal	_____ ft	_____ ft

Describe grouting procedure

SCREEN: ☐ Perforated pipe ☒ ManufacturedDiameter 14 IN Length 8 FEETMaterial PDC 160CLSlot Size 100 Set From 16'6" Feet to 26'6" 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:

Laboratory sent to for water quality analysis

NO, Why Not?

Chlorine PalletNo-2mg.

WELL LOG:

DEPTH

FORMATION	FROM	TO
<u>Topsoil</u>	<u>0</u>	<u>1</u>
<u>Brown Sand</u>	<u>1</u>	<u>16</u>
<u>Coarse Gr. Gravel</u>	<u>16</u>	<u>26'6"</u>

STATIC WATER LEVEL 6' Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped Describe: Sub☐ Bailed _____☐ Other _____

Pumping Level Below Land Surface

17'6" ft. After 2 Hrs. pumped 400 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS

This well was drilled under license # 111

And this report is true and accurate.

Drilling firm Lacey Well Drilling Inc.

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Date:

March 3, 2012

Report of Examination of Works and/or Application of Water to Beneficial Use For Permit No. 7185-3

I have this day, March 30, 2015, made a thorough examination of the water use system constructed by Tom Jongeling, 7138 Pennsylvania Ave, Kansas City, MO 64114 of Permit No. 7185-3, bearing the priority of February 23, 2010 authorizing the diversion of 1.78 cu. ft. per second of the waters of Big Sioux Brookings aquifer for irrigation purposes, in Hamlin County.

Inspection contact: **Ron (Tom's brother) & Brad Jongeling**

A. Works used to divert the water:

Well Information (2 wells):

- | | |
|---|-------------------------------------|
| 1) Well Drilling Firm: <u>Steffl Drilling</u> | 3) Depth(s) <u>27</u> feet |
| 2) No. of Wells <u>1 (east near pivot center)</u> | 4) Well log is available <u>Yes</u> |
| 1) Well Drilling Firm: <u>Lacey Well Drilling</u> | 3) Depth(s) <u>26.5</u> feet |
| 2) No. of Wells <u>1 (west well)</u> | 4) Well log is available <u>Yes</u> |

Casing: (Steffl & Lacey)

- 1) Diameter 12 & 14 inches
- 2) Length 18 & 16.5 feet
- 3) Type Both Plastic

Screen: (Steffl & Lacey)

- 1) Type Stainless steel & PVC
- 2) Length 9 & 8 feet

Motor/Pump (both wells):

- 1) Make Submersible
- 2) Size 30 hp
- 3) Capacity each 350 GPM

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

- 1) Type PVC
- 2) Size 8 inches
- 3) Length 400 feet

C. Works used to apply water to beneficial use:

Irrigation System:

- | | |
|-------------------------------------|----------------------------|
| 1) Type <u>Center pivot</u> | 3) End gun <u>Yes</u> |
| 2) Number of towers <u>7 towers</u> | 4) Capacity <u>700</u> GPM |

Chemigation Equipment:

- 1) Does chemigate No

D. Compliance with Permit Requirements:

- 1) Permit qualifications being abided by Yes
- 2) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period Yes

List any extended period of nonuse: None

- 3) Exceptions to compliance are: None

E. Condition and Location:

1. The system is in good condition with the points of diversion located as follows: SW1/4 NW1/4 section 4-T113N-R51W (east well - approximately 1,325 feet south and 1,320 feet east from NW corner section 4; latitude 44.62684, longitude -96.96105, west well * - approximately 1,350 feet south and 960 feet east from NW corner section 4; latitude 44.62677, longitude -96.96245).

* West well is outside of permitted area for No. 7185-3. See file documentation dated January 19, 2017, to correct the location of the well.

2. The works are capable of diverting and conveying to the place of use 1.56 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:

All in section 4-T113N-R51W

NE1/4 NW1/4 – 33 acres
NW1/4 NW1/4 – 33 acres

SE1/4 NW1/4 – 33 acres
SW1/4 NW1/4 – 33 acres

comprising a total of 132 acres of land and the license should be issued for 1.56 cfs.

3. All structures, wells and lands on map Yes

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

Application No. 7185-3 was for two wells, one to be located near the center of the quarter (east well) and the west well in the NW1/4 NW1/4 to irrigate 140 additional acres. The well to be located in the NW1/4 NW1/4 is actually located in the SW1/4 NW1/4 -- see file documentation to correct the location of the west well as provided by SDCL 46-5-13.1.



Ron Duvall
Water Rights Permitting Administrator
DENR, Water Rights Program

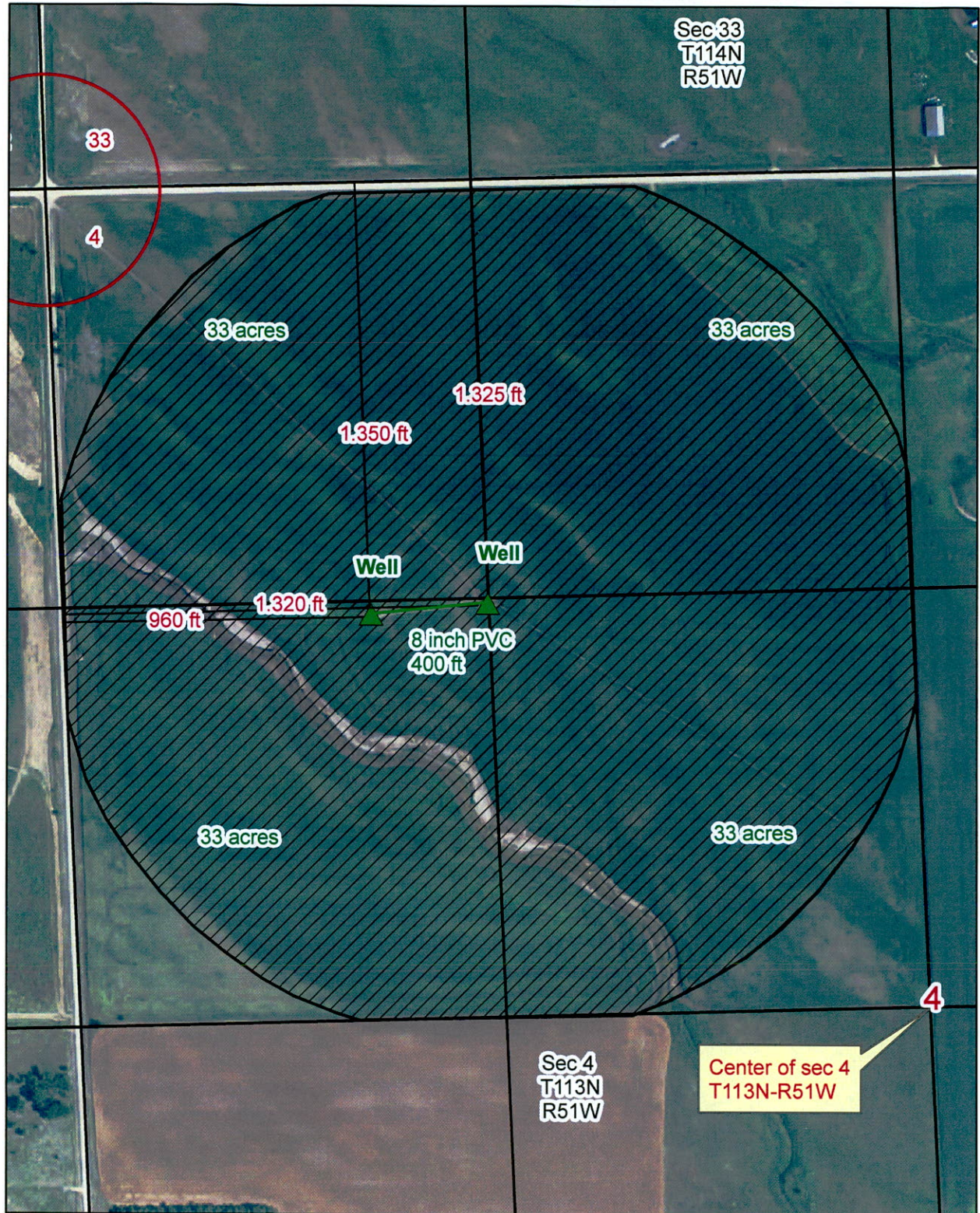
Date report completed: January 19, 2017

Scale: 1 inch = 463 feet

660

Feet

N



South Dakota
Department of Environment
& Natural Resources
Water Rights

Completed by:

Ron Duvall, W.R. Permitting Administrator
SD DENR, Water Rights Program

Diversion point(s) located using Garmin eTrex 10 GPS

Date: December 29, 2016

Water Right No. 7185-3

Approval of Location Change for Diversion Point

NAME: Tom Jongeling

ADDRESS: 7138 Pennsylvania Ave, Kansas City, MO 64114

DATE: January 19, 2017 **COUNTY:** Hamlin **TELEPHONE:** 816.304.7386

AUTHORITY:

Pursuant to SDCL 46-5-13.1, the location of a diversion point may be changed or additional diversion points may be licensed provided the following conditions are met and the potential for interference with other existing diversions is not increased:

- **Developed water source same as permitted source and no additional water appropriated**

Yes, the aquifer remains unchanged and the developed 1.56 cfs diversion rate is less than the permitted amount of 1.78 cfs.

- **If irrigation, no new land is irrigated**

The irrigated acreage is within the permitted area and the developed number of acres (132) is less than the 140 acres specified on the permit.

- **Review of Existing Diversions**

Application No. 7185-3 was for two wells, one to be located near the center of the quarter (east well) and the west well in the NW1/4 NW1/4 to irrigate 140 additional acres. The well to be located in the NW1/4 NW1/4 is actually located approximately 30 feet south of the permitted area in the SW1/4 NW1/4 section 4-T113N-R51W. The nearest other water right (No. 4418-3) is held by Ron Jongeling (Tom's brother) in the NE1/4 section 5 and the wells are located approximately 2,450 feet apart. The original proposed location for the well under No. 7185-3 would have been approximately 600 feet closer to the well covered by Water Right No. 4418-3. The report for No. 7185-3 noted that drawdown was not expected to be a concern. Observation well records reinforced the conclusion of "no significant drawdown" plus the wells are now further apart than originally planned.

RECOMMENDED ACTION

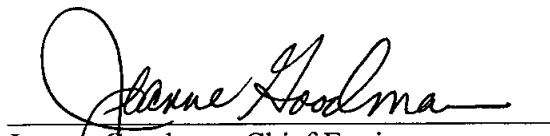
Based on the above criteria, it is recommended that the diversion point be licensed as developed.



Ron Duvall, Water Rights Permitting Administrator
Water Rights Program

The Chief Engineer makes a finding pursuant SDCL 46-5-13.1 and ARSD 74:02:01:14.01 that:

This change in location and/or additional diversion point(s) does not increase the potential for adverse effects to existing diversions.



Jeanne Goodman, Chief Engineer
Water Rights Program



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
<http://denr.sd.gov>

FEB 06 2017

7185-3

Tom Jongeling
7138 Pennsylvania Ave
Kansas City MO 64114

Dear Mr. Jongeling:

Enclosed is Water License No. 7185-3. 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 the owner of an existing well, such as the well authorized by Water Right No. 7185-3, 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.

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

enclosures

**STATE OF SOUTH DAKOTA
WATER LICENSE NO. 7185-3**

(1) Tom Jongeling, 7138 Pennsylvania Ave., Kansas City MO 64114 made Application No. 7185-3, February 23, 2010 for a water permit to divert 1.78 cubic feet of water per second from ground water (two wells, Big Sioux Brookings Aquifer), Hamlin County, South Dakota for irrigation purposes. Permit No. 7185-3, with a priority date of February 23, 2010 was approved April 12, 2010 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before April 12, 2015 and for the application to beneficial use of said water on or before April 12, 2019.

An investigation of the water use system found one of the wells was located outside of the permitted area. The west well, permitted for the NW ¼ NW ¼ Section 4 was drilled approximately 30 feet south and is located in the SW ¼ NW ¼ Section 4, T113N, R51W. Pursuant to SDCL 46-5-13.1 and ARSD 74:02:01:14.01, the Chief Engineer made a finding that the change in location of the diversion point did not increase the potential for adverse effects to existing diversions.

(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 1.56 cubic feet of water per second for beneficial use. The location of the diversion points are:

- **East well: 1,325 feet S & 1,320 feet E of the NW corner of Section 4, T113N, R51W (approximate center of the NW ¼);**
- **West well: 1,350 feet S & 960 feet E of the NW corner of Section 4, T113N, R51W (SW ¼ NW ¼).**

(3) The permit holder has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use to irrigate the following land:

Section 4, T113N, R51W	NE ¼ NW ¼	33 acres
	NW ¼ NW ¼	33 acres
	SE ¼ NW ¼	33 acres
	SW ¼ NW ¼	33 acres
Total		132 acres

(4) Pursuant to South Dakota Water Law 46-5-30.1 Tom Jongeling, 7138 Pennsylvania Ave., Kansas City MO 64114 the holder and/or owner of Water Right No. 7185-3 is issued a license to appropriate water, the right to use 1.56 cubic feet of water per second from ground water (two wells, Big Sioux Brookings Aquifer) with a priority date of February 23, 2010 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. 7185-3 and subject to the following qualifications:

- 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.
- The wells authorized by Permit No. 7185-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with the 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. *The east well was drilled by Steffl Drilling & Pump Inc., in 2010. The west well was drilled by Lacey Well Drilling Inc. in 2012. Copies of both well completion reports are on file with the Water Rights Program.*

- This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

Jeanne Goodman

Jeanne Goodman, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

FEB 06 2017
date

