

4444 A-3

REPORT ON INSPECTION OF PERMIT NO. 4444-3

DATE OF INSPECTION: 7-24-96

Other permit(s) associated with the project: none

NAME & ADDRESS OF INSPECTION CONTACT: Mark Peterson

RELATIONSHIP TO PERMIT HOLDER, IF APPLICABLE: Mayor of Alpena

NAME & ADDRESS OF PERMIT HOLDER: Town of Alpena, Box 75, Alpena, SD 57312

DIVERSION POINT LEGAL LOCATION: 660' south and 360' east of the NW corner of Section 11, T108N, R63W, located in the NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 11.

WELL INFORMATION:

- 1) Well Drilling Firm: Huron Drilling
- 2) No. of Wells 1
- 3) Depth(s) 975 feet
- 4) Well log is available yes

Casing:

- 1) Diameter 4 inches
- 2) Length 725 feet
- 3) Type brass/K copper

Screen:

- 1) Type K copper
- 2) Length 250 feet
- 3) Static water level flowing well feet

Pump:

- 1) Make Dayton
- 2) Model #
- 3) Size #
- 4) Capacity # GPM

Comments: The combination of flow and pump is 275 gpm.

Motor:

- 1) Make Dayton
- 2) Model No. 3N649
- 3) Horsepower rating 3 hp

DISTRIBUTION LINES OR CANALS:

- 1) Type pvc - mainline
- 2) Size 6 and 4 inches
- 3) Length # feet

PERMIT QUALIFICATIONS AND REGULATIONS:

- 1) Special qualifications to permit being abided by yes
- 2) All structures, wells and lands on map yes
- 3) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period N/A

Permit No. 4444-3
James River - Water District

Report Of Examination Of Works And/Or Application of Water To Beneficial Use

TO: Chief Engineer, Water Rights Program, DENR, Foss Bldg., Pierre, SD 57501

I have this day, 7-24-96 made a thorough examination of the water use system constructed by the Town of Alpena of Box 75, Alpena, SD 57312 holder of Permit No. 4444-3, bearing the priority of September 18, 1979 authorizing the diversion of 2.0 cu. ft. per second of the waters of the Dakota Aquifer for municipal purposes, in Jerauld County.

I have to report on the conditions of the same as follows:

A. Works used to divert the water:

One well 975 feet deep with 725 feet of 4 inch brass and k-copper casing and 250 feet of k-copper screen. Dayton motor and pump with a 3 hp rating and the combination of pump and artesian flow is 275 gpm.

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

6 and 4 inch pvc mainline.

C. Works used to apply water to beneficial use:

Municipal water system.

The system is in the following condition good. The point of diversion is located 660 feet south and 360 feet east of the NW $\frac{1}{4}$ Section 11, T108N, R63W in the NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 11. The works are capable of diverting and conveying to the place of use 0.61 cu. ft. per second of water which is to be used for municipal water supply. Water has been put to beneficial use to the maximum extent as follows:

Municipal water distribution system for the Town of Alpena.

The license should be issued for 0.61 cfs.

Applicable permit qualifications have been complied with: yes

Exceptions to compliance are: none

Comments: Second well on permit, well E2, has been plugged.

Lynn Beck
Lynn Beck
Natural Resources Engineer
DENR, Water Rights Program

8-29-96
Date



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181

OCT 3 1997

Leanne Wagner, Finance Officer
Town of Alpena
PO Box 75
Alpena SD 57312-0075

Dear Ms. Wagner:

Enclosed are Water Right Nos. 4444A-3 and 4444B-3. The permit is being divided to separate the vested right portion from the water right as follows:

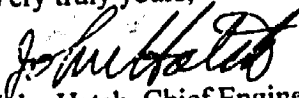
Vested Water Right No. 4444A-3 - authorizes diversion of 0.11 cfs from one well located in the NW 1/4 NW 1/4 Section 11-T108N-R63W with a priority date of January 1, 1948.

Water Right No. 4444B-3 - authorizes diversion of 0.5 cfs from one well located in the NW 1/4 NW 1/4 Section 11-T108N-R63W with a priority date of September 18, 1979.

As long as you use the water beneficially, as stated in the licenses, South Dakota Water Laws provide that you have a continuing right to the use of the water.

If you have any questions, please contact me.

Very truly yours,


John Hatch, Chief Engineer
Water Rights Program
605 773-3352

enclosures

ks

STATE OF SOUTH DAKOTA
VESTED WATER RIGHT LICENSE NO. 4444A-3
DIVISION OF NO. 4444-3 INTO 4444A-3 AND 4444B-3

(1) The Town of Alpena, Box 75, Alpena SD 57312 made Application No. 4444-3, September 18, 1979 for a water permit to divert 2.0 cubic feet of water per second (cfs) from groundwater (two wells), Jerauld County, South Dakota for municipal purposes. Permit No. 4444-3, with priority dates of January 1, 1948 and September 18, 1979 was approved November 27, 1979 and issued to the applicant for diversion of water with construction of the described water supply system completed and the application to beneficial use of said water completed.

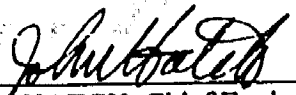
On September 27, 1989, the Water Management Board validated the vested right portion of No. 4444-3. One of the wells authorized by this permit has been plugged. Water Permit No. 4444-3 is being divided to separate the vested right portion from the water right as follows:

Vested Water Right No. 4444A-3 - authorizes diversion of 0.11 cfs from one well located in the NW 1/4 NW 1/4 Section 11-T108N-R63W with a priority date of January 1, 1948.

Water Right No. 4444B-3 - authorizes diversion of 0.5 cfs from one well located in the NW 1/4 NW 1/4 Section 11-T108N-R63W with a priority date of September 18, 1979.

(2) The vested right owner is entitled to divert 0.11 cubic feet of water per second for beneficial use. The location of the diversion point is: 660 feet south and 360 feet east of the NW 1/4 Section 11-T108N-R63W (NW 1/4 NW 1/4).

(3) Pursuant to Section 46-5-30.1 the Town of Alpena, Box 75, Alpena SD 57312 the holder and/or owner of Vested Water Right No. 4444A-3 is issued a license to appropriate 0.11 cubic feet of water per second from groundwater (one well) with a priority date of January 1, 1948 from the location specified in (2) of this license for the purpose of municipal use. This license is subject to any limitations, conditions or qualifications listed in Water Right No. 4444-3 and subject to South Dakota State Law.


JOHN HATCH, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

OCT 6 1997

date



Approval of an Additional Diversion Point

NAME: Town of Alpena, c/o Mayor Linda Schacht

ADDRESS: PO Box 75, Alpena SD 57312-0075

DATE: January 13, 2000 COUNTY: Jerauld TELEPHONE:

BACKGROUND:

The Town of Alpena holds Vested Water Right No. 4444A-3 and Water Right No. 4444B-3 to divert a total of 0.61 cfs (275 gpm) from one Dakota Formation well located in the NW¼ NW¼ Section 11-T108N-R63W. A well completion report was submitted by Pullman Well Drilling on November 30, 1999, indicating a new Dakota Formation well had been drilled by the Town of Alpena. This prompted a letter from the Water Rights Program (12/14/99) inquiring on the use of this well. Mark Peterson called in response this letter and stated the well is an additional well but that generally only one well will operate at a time and the even when both wells operate the authorized diversion rate of 275 gpm will not be exceeded. He indicated the new well is located approximately 85 feet from the existing well in the NW¼ NW¼ Section 11-T108N-R63W. The Town then submitted a letter requesting authorization for this additional well.

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

The well authorized under Vested Water Right No. 4444A-3 and 4444B-3 is constructed into the Dakota Formation. The additional well completed on June 22, 1999 is 960 feet deep which is also a Dakota Formation well.

- Review of Existing Diversions

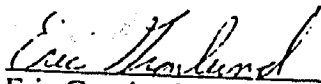
A review was conducted of existing water rights and domestic wells on file within a three mile radius of the two wells for the Town of Alpena. There is developed irrigation to the northwest of Alpena's wells, however, the water source for all irrigation is the Warren West James Aquifer. A review of well completion records in Water Right files found fourteen domestic/stock wells within this radius constructed into the Dakota Formation. These records do not provide any status of the wells (i.e. whether they are being used)

CONCLUSION

- This additional well is from the same water source and does not appropriate additional water.
- Existing domestic wells will not be adversely impacted by authorizing this additional well. The Town indicated that the one well will generally be used for back-up purposes.
- The additional well is constructed into the Dakota Formation which is the same water source as the existing well authorized under Vested Water Right No. 4444A-3 and 4444B-3.
- There is no record of a complaint on the Town of Alpena's diversion of water adversely impacting neighboring wells.

RECOMMENDED ACTION

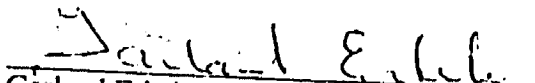
Based on the above criteria, it is recommended that the additional diversion point be incorporated into Water License No. 4444B-3.



Eric Gronlund
Water Rights Program

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

This additional diversion point(s) does not increase the potential for adverse effects to existing diversions.


Garland Erbele, Chief Engineer

Water Rights Program
February 1, 2000



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181

www.state.sd.us/denr

February 3, 2000

Linda Schacht, Mayor
Town of Alpena
P.O. Box 75
Alpena, SD 57312

Dear Mayor Schacht:

I am writing in regard to the town of Alpena's request for an additional well under Vested Water Right No. 4444A-3 and Water Right No. 4444B-3. These water rights appropriates 0.61 cubic feet of water per second (275 gallons per minute) from a Dakota Formation well.

Alpena has requested an additional well that was drilled in June 1999 to serve as a back-up well to the existing well. The new well is also to be located in the NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 11, T108N, R63W and is constructed into the same water source as the existing well. No additional water will be appropriated.

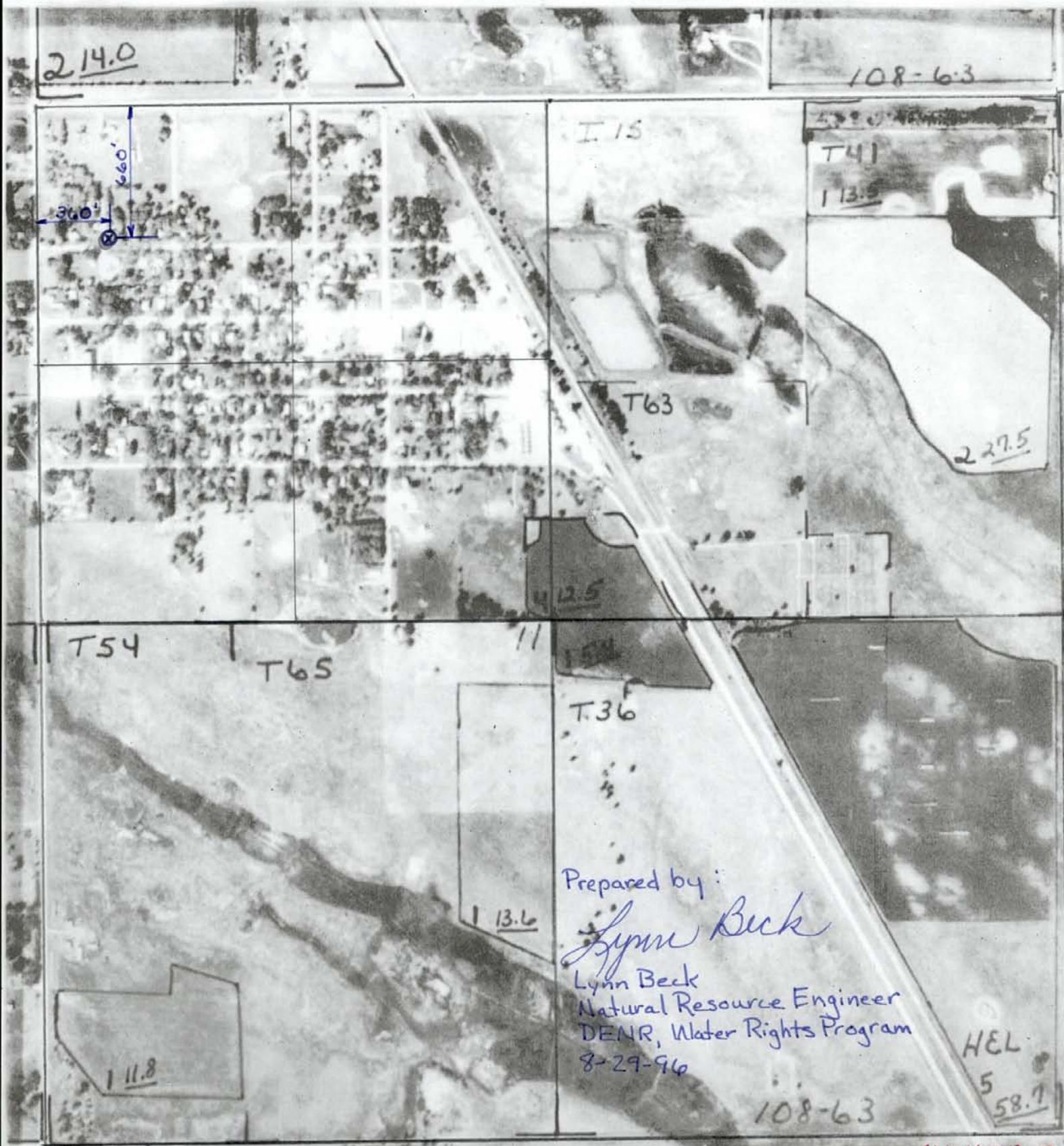
Upon review of the request and pursuant to SDCL 46-5-13.1, Alpena is authorized to develop the additional well without application or publication of a notice of hearing pursuant to SDCL 46-2A-4. However, a new water right permit will be necessary if more than 275 gallons per minute will be pumped.

If you have any questions, please contact Eric Gronlund at (605) 773-3352.

Sincerely,

Garland Erbele, Chief Engineer
Water Rights Program

NOT TO SCALE



Prepared by:

Lynn Beck

Lynn Beck
Natural Resource Engineer
DENR, Water Rights Program
8-29-96

4444A-3