

Considered: _____

WATER PERMIT NO. 4157A-3

Phone: 396-2651

Name of Applicant: Elmer Christianson

Post Office Address: Rt 1, Box 38, Columbia SD 57433

Amount of Water Claimed: no add'l Total Acres: 240

Source of Water Supply: groundwater (2 wells - 1 add'l)

Water to be used for: irrigation County: Brown

About 7 North, 4 miles West of Columbia

PROOF OF PUBLICATION: Received _____ Not Received _____

APPLICATION: Approved _____ Subject to _____

F.F.& C/.L. Adopted _____ Not Approved _____ Deferred _____

PRIORITY Date Received: 12-7-90 Fee: \$50 Remarks _____

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

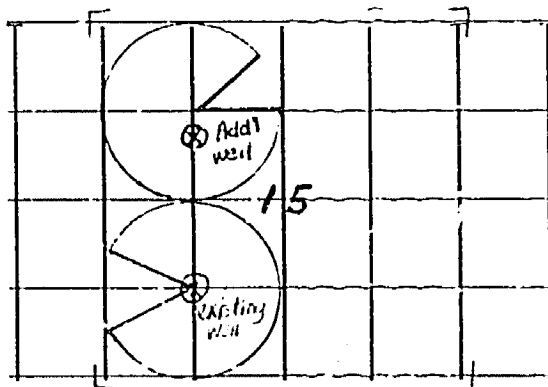
WATER QUALITY APPROVAL RECEIVED 2-12-91 APPROVED/CONDITIONAL (Circle one)

WI-1 Description same as Application YES X NO _____ REMARKS _____

Diversion Point: existing well-center of SW 1/4

Sec 15 and add'l well-S 1/2 NW 1/4 Sec 15-126-63

Land to be Irrigated: NW 1/4 SW 1/4 Sec 15-126-63



Well Log: Driller: Kaiser Well Works Licensed YES X NO _____

Depth of Well: 95' REMARKS _____

Type of Map: aerial PREPARED BY: Tim Schaal Reviewed and the Number

Assigned on 2-12-91 By Karen Schlaak

STATE OF SOUTH DAKOTA
WATER LICENSE NO. 4157A-3

(1) Elmer Christianson of RR 1, Box 38, Columbia, SD 57433 made Application No. 4157A-3, December 2, 1990 for a water permit to appropriate no additional cubic feet of water per second from groundwater (two wells), Brown County, South Dakota for irrigation purposes. Permit No. 4157A-3 with a priority date of September 30, 1977 was approved May 1, 1991 and issued to applicant(s) for diversion of water with construction of the described water supply system completed and the application to beneficial use of said water completed.

Water Permit No. 4157A-3 authorized an additional diversion point to irrigate the same acreage described in Water Permit No. 4157-3. No additional diversion rate or acres irrigated were authorized under No. 4157A-3.

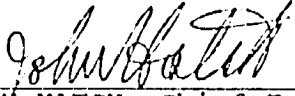
The applicable portions of Water Permit No. 4157-3 are incorporated into this Water License No. 4157A-3. A September 30, 1977 priority date is retained.

(2) It is certified that the applicant 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 2.90 cubic feet of water per second for beneficial use. The location of the diversion points are: Well #1 - 1320'W and 1250'S of the center of Section 15 and Well #2 - 1320'W and 1000'N of the center of Section 15, T126N, R63W.

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

T126N, R63W Section 15	NW 1/4 SW 1/4	25 Acres
	NE 1/4 SW 1/4	34 Acres
	SW 1/4 SW 1/4	25 Acres
	SE 1/4 SW 1/4	34 Acres
	NW 1/4 NW 1/4	34 Acres
	NE 1/4 NW 1/4	20 Acres
	SW 1/4 NW 1/4	34 Acres
	SE 1/4 NW 1/4	34 Acres
	Total-----	240 Acres

(4) Pursuant to Section 46-5-30.1 Elmer Christianson of RR 1, Box 38, Columbia, SD 57433 the holder(s) and/or owner(s) of Incorporated Water Permit No. 4157A-3 is issued a license to appropriate water, the right to use 2.90 cubic feet of water per second from groundwater (two wells) with a priority date of September 30, 1977 from the location specified in (2) of this license. The water is to be conducted to and upon lands specified in (3) of this license for the purpose of irrigation. This license is subject to any limitations or qualifications listed in Incorporated Water Permit No. 4157A-3 and subject to South Dakota State Law.

 AUG 5 1992
JOHN HATCH, Chief Engineer
Water Rights Division
Department of Environment and
Natural Resources

SOUTH DAKOTA
WATER PERMIT No. 4157A-3 FOR IRRIGATION

Date of first receipt of application December 7, 1990.

Date Soil/Water Compatibility Permit received February 12, 1991.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 4157A-3 to Elmer Christianson, Rt 1, Box 38, Columbia SD 57433 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. 4157A-3 adds one additional well to irrigate 240 acres authorized by Water Permit No. 4157-3 in the NW 1/4 and SW 1/4 Section 15-T126N-R63W. Water Permit No. 4157-3 authorizes 3.42 cubic feet of water per second from an existing well located in the center of the SW 1/4 Section 15-T126N-R63W. The additional well (Elm-Northern Brown Aquifer) 95 feet deep is located in the S 1/2 NW 1/4 Section 15-T126N-R63W. This correction does not authorize any increase in the diversion rate or acres irrigated.
2. The amount of the appropriation may not exceed 2 acre feet annually for each acre of land to which water is actually and beneficially applied for irrigation. The water is to be used during the following described annual period: April 1 - October 31.
3. The date from which applicant may claim right is September 30, 1977.
4. The date of approval of Permit No. 4157A-3 is May 1, 1991.
5. 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 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. This permit is approved subject to the irrigation water use questionnaire being submitted each year.

WATER MANAGEMENT BOARD

By: _____

John H. Hattis
Chief Engineer, Water Rights Division
Department of Environment and Natural Resources

SEP 17 1991

(date)

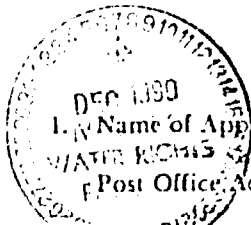
Mail to: Water Rights Div.
523 E. Capitol
Pierre, SD 57501
(605) 773-3352

(See instructions)

No. <u>4157A-3</u>	Hydrologic Unit <u>10160003</u>
Basin <u>James River</u>	
Newspaper <u>American News, PO Box 4430, 57402-4430</u>	

Application For Soil/Water Compatibility Permit and Permit To Appropriate Water

Type of Application: ☒ New ☐ Vested Right ☐ Amend Permit No. _____
☐ Change Acreage ☐ Change diversion point(s) ☒ Add diversion point(s)
☐ Add Acreage ☐ Increase diversion rate ☐ Other See Permit No. 4157-3



1. Name of Applicant Elmer Christianson Phone No. 396-2651
 Post Office Address Rt. 1 Box 38 Columbia State SD 57433
(Street, RR or Box) (City) Zip Code
 2. Amount of water claimed (c.f.s) No Add'l Total acres irrigated 240
 3. Source of Water supply Groundwater 2 Wells (1 Add'l)
 4. Location of point of diversion 1320 ft. West & 1000 ft. North of the center of
Section 15-T126N-R63W (S1/2 NW1/4)
 County Brown
 5. Counties where water will be used Brown
 6. Annual period during which water is to be used April 1 to October 31
 7. List below each forty acre subdivision, or lot, or fraction thereof and show number of acres to be irrigated in each.

Land Description	No. Acres Irr.	Land Description	No. Acres Irr.
See Permit No. 4157-3		NW1/4 NW1/4	54
NW1/4 SW1/4 15-126-65	25	NE1/4 NW1/4	20
NE1/4 SW1/4	34	SW1/4 NW1/4	54
SW1/4 SW1/4	25	SE1/4 NW1/4	54
SE1/4 SW1/4			

3. (Attach sheet if more space is needed)

8. Type of Irrigation: Gravity: _____ Towline: _____ Center Pivot: X Gun: _____ Other: _____
 9. Crops to be Irrigated: Corn, Alfalfa, Small Grain
 10. Give a description of proposed project. (Attach sheet if more space is needed)

This application is to add an additional diversion point (1 well) to Permit No. 4157-3

Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach maps, soils information and any other technical information.

STATE OF SOUTH DAKOTA)
County of BROWN) ss

Elmer Christianson, the applicant, certify that I have read this application and examined the attached maps, that the water sample, if needed, has been taken by the required procedures and has not been adulterated or tampered with and is truly representative of the water to be used, and that the matters stated in this application are true and correct.

Signed Elmer Christianson

Subscribed and sworn to before me this 5 day of December 19 90

Allen J. Jamin
Notary Public

Supplemental Information

(type or print in ink)

1. Well Information - Proposed construction

- a) Drill Hole Diameter 20 inch Depth 95 feet
- b) Casing Type Steel Diameter 14 inch Thickness _____
- c) Screen Type Stainless Steel Diameter 14 inch Thickness _____
- d) Gravel Pack Thickness 3 inch Length of Gravel Pack Above Screen
- e) Depth to Top of Water Bearing Material 50 feet
- f) Depth to Water (ground surface to water level) 24 feet
- g) Distance to nearest existing domestic well:
 On applicants property $\frac{1}{2}$ mile On property owned by others $\frac{1}{4}$ mile

2. Dugout Information Estimates

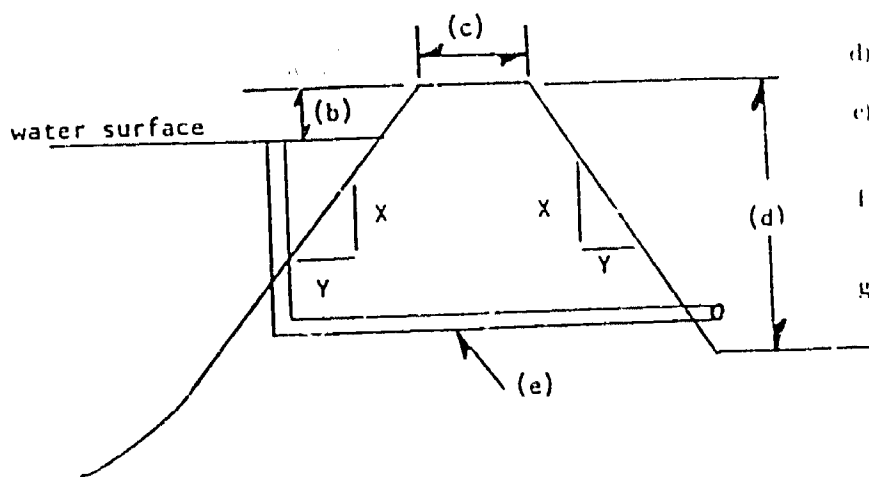
- a) Surface Dimensions _____ Depth _____
- b) Depth to water (ground surface to water level) _____

3. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below. The locations of each dam should 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

Kaisers Well Work
Desmet S. Park, 57231



- b) Freeboard _____
- c) Crest Width _____
- Cre - Length _____
- d) H - ft _____
- e) Primary Outlet Capacity _____
 Pipe, diameter _____
- f) Secondary Spillway Capacity _____
 Spillway width _____
- g) X & Y Slope
 Upstream _____
 Downstream _____
- Surface Area of Impoundment _____
- Storage _____ acre feet
- Drainage area above dam _____

 Signature of Applicant

REPORT ON
WATER PERMIT APPLICATION NO. 4157A-3
ELMER CHRISTIANSON
MARCH 5, 1991

Water Permit Application No. 4157A-3 was filed to add an additional diversion point (1 well) to Water Permit No. 4157-3. Water Permit No. 4157-3 was approved on November 17, 1977 for 3.42 cubic feet of water per second (cfs) from 1 well located in the SW 1/4 SW 1/4 of Section 15-T126N-R63W to irrigate 240 acres in the SW 1/4 and NW 1/4 of Section 15-T126N-R63W. An inspection of Water Permit No. 4157-3 found the system capable of diverting 2.90 cfs from two wells to irrigate 240 acres. The additional well is located in the S 1/2 NW 1/4 of Section 15-T126N-R63W and is 95 feet deep. Water Permit No. 4157A-3 does not authorize any increase in the diversion rate or acres irrigated.

Water Source: Elm-Northern Brown (E:NB)

The additional 95 foot deep irrigation well is located in the Elm aquifer, Elm-Northern Brown unit. This aquifer covers 292.5 square miles in Northern Brown County and has an estimated 702,000 acre-feet of recoverable water. (Hedges, 1982) The Elm aquifer occurs between 15 and 150 feet below the land surface. Recharge is by percolation of precipitation, snowmelt, and surface water through overlaying outwash, lake sediments, and till. (Koch, 1976) Water level fluctuations in the Elm aquifer are caused by seasonal changes like recharge, or natural discharge, and the effects of pumping. There are 21 water permits from the Elm-Northern Brown unit with 9386 Acre-feet of water appropriated and 1975 Acre-feet of water was reported used in 1989. (Water Rights Division, 1989)

Existing Water Permits/Rights:

There are 6 other Water Permits within 2 miles of this application. The following table is a summary of these permits. (Water Rights Division, 1991)

Table 1

Name	Permit No.	Appropriation	Acres
Elmer Christianson	4339-3	1.44 cfs (1 well)	133
Elmer Christianson	4340-3	1.44 cfs (1 well)	133
Martin Ronning	4017-3	4.00 cfs (1 well)	363
Patrica Ronning & Jeanette Hurrell	4257-3	1.89 cfs (1 well)	132
H. Paul Dennert	4022-3	1.00 cfs (1 well)	130

Steven Engelhart

2580-3 &
4890-3

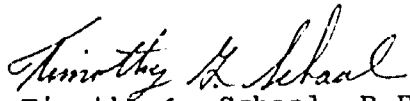
1.78 cfs (2 wells)

133

The Division of Water Rights has 11 observation wells in the Elm Aquifer, Elm-Northern Brown unit. BN-82I (a water table well) is located approximately 1.5 miles away from the additional well and BN-82H (an artesian well) is located less than 1 mile away. The recorded water levels in these observation wells have experienced fluctuations of 7 to 16 feet; however, seasonal water levels only fluctuate 1 to 3 feet. The water levels appear to return to pre-irrigation levels after the irrigation season (Water Rights Division, 1991). Hydrographs for BN-82I and BN-82H are included with this report.

Conclusions:

1. Water Permit Application No. 4157A-3 should be approved. Unappropriated water is available and recorded observation well water levels indicate that there should be no adverse effect on existing Water Permits/Rights.
2. Approval of Water Permit Application No. 4157A-3 does not authorize any increase in the diversion rate or irrigated land authorized under Water Permit 4157-3.
3. The original priority date for Water Permit No. 4157-3 can be retained for Water Permit No. 4157A-3.



Timothy G. Schaal, P.E.
Natural Resources Engineer III

Reviewed by:



Gale N. Selken, P.E.
Natural Resources Engineer IV

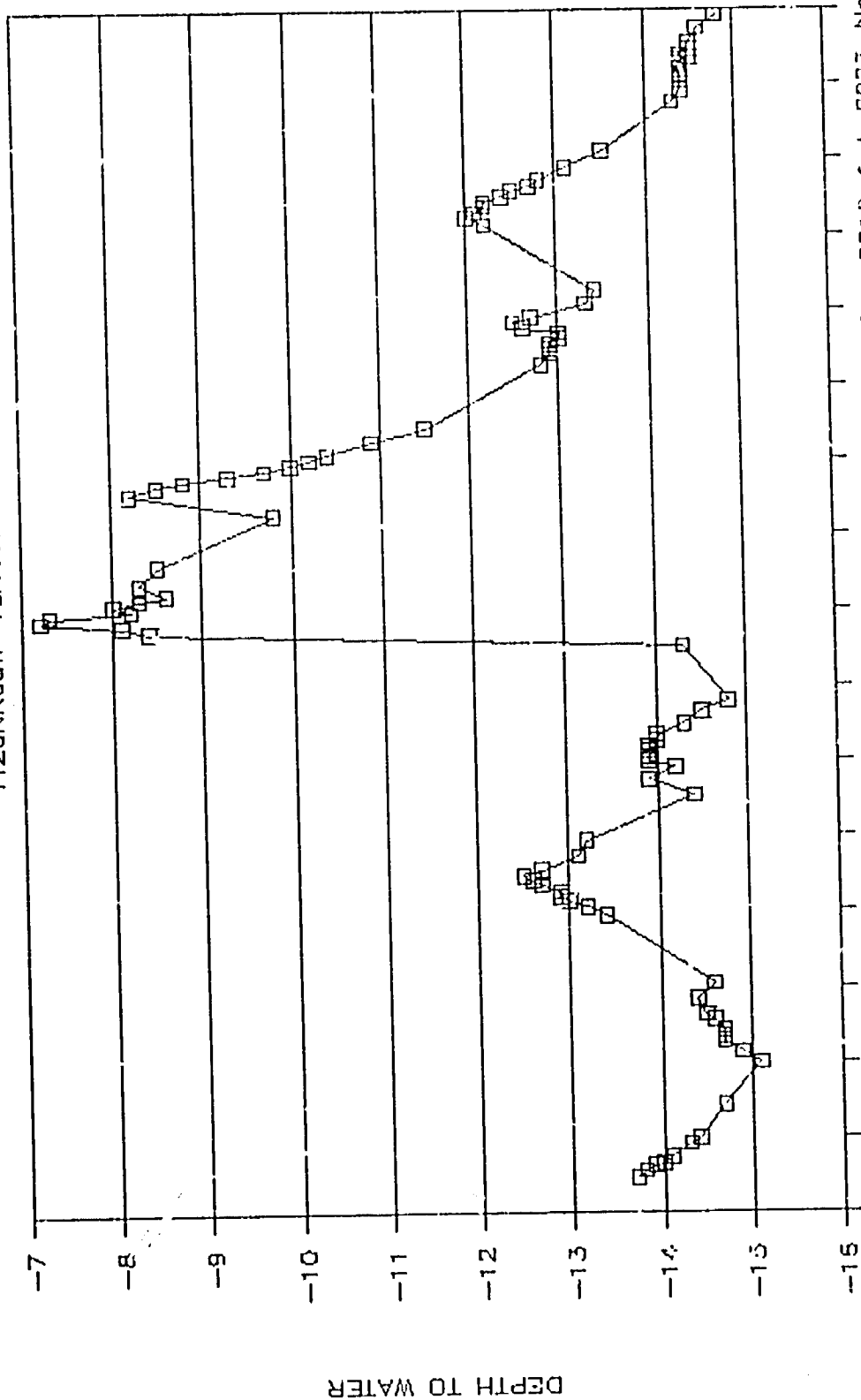
Bibliography:

- Hedges, Lynn S. and others, Evaluation of Ground-Water Resources Eastern South Dakota and Upper Big Sioux River South Dakota and Iowa, 1982, Department of Water and Natural Resources, Vermillion, SD.
- Koch, Neil C., Wendell Bradford, Bulletin 25, Geology and Water Resources of Brown County, South Dakota, 1976, United States Department of Interior, U.S. Geological Survey.
- Water Rights Division, 1989, Irrigation Summary Report, DWNR, Joe Foss Bldg., Pierre, SD.

Water Rights Division, 1991, Observation Well Files and Water
Permit/Right Files, DWNR, Joe Foss Bldg., Pierre, SD.

OBSERVATION WELL BN821

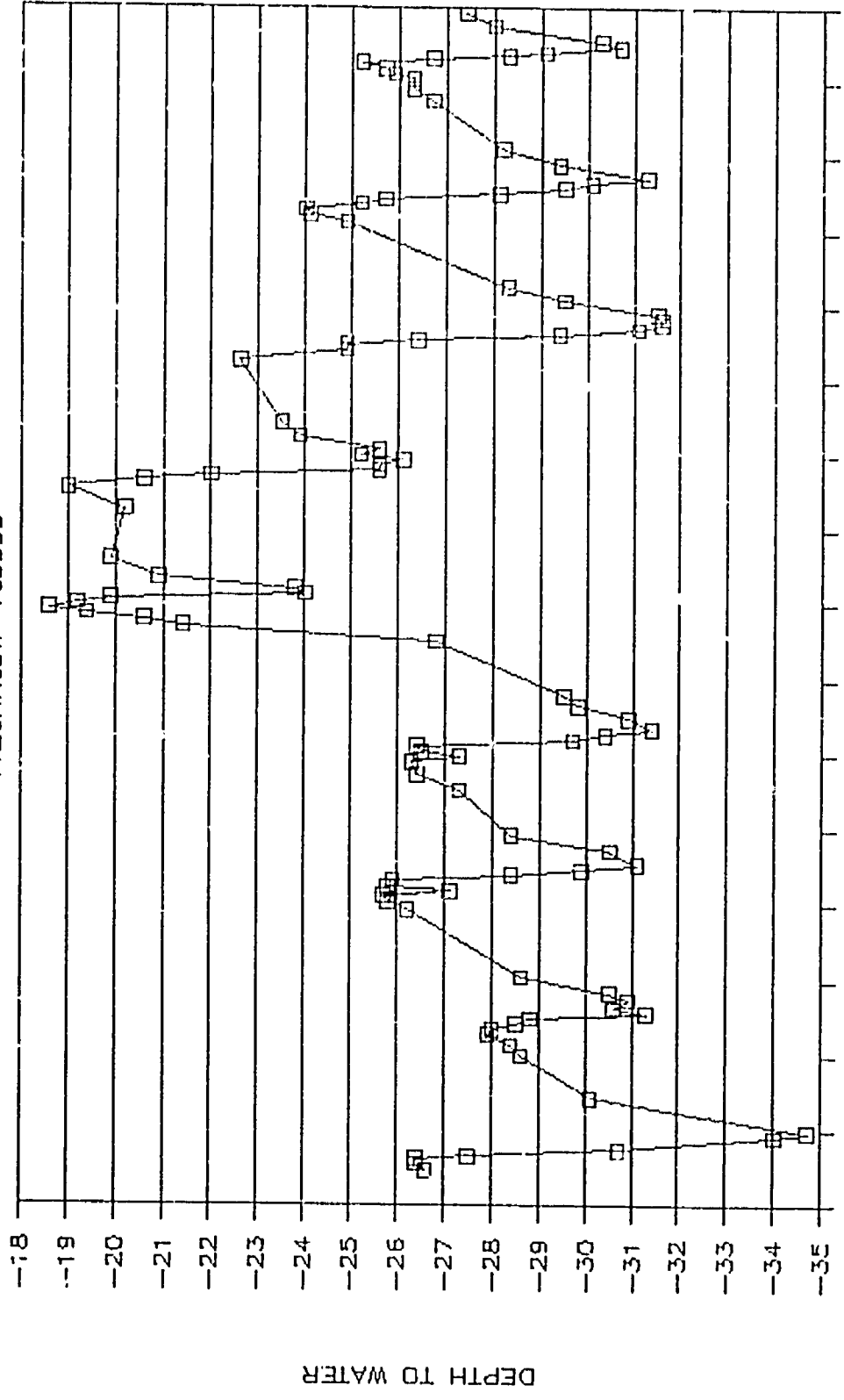
T126NR63W-10AAAA



1

OBSERVATION WELL BN82H

T126NR63W-16DDDD



18-Feb-825-Mar-8328-Apr-8402-Jun-8507-Jul-8611-Aug-8714-Sep-8819-Oct-8923-Nov-90

DATE

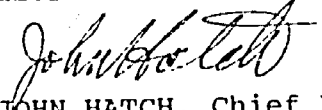
RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 4157A-3, Elmer Christianson

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Division, Department of Water and Natural Resources concerning Water Permit Application No. 4157A-3, Elmer Christianson, Rt 1 Box 38, Columbia, SD.

The Chief Engineer is recommending APPROVAL of Application No. 4157A-3 because 1) the proposed diversion can be developed without unlawful impairment of existing rights, 2) the proposed use is a beneficial use, and 3) 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. This permit is approved subject to the irrigation water use questionnaire being submitted each year.

See report on application for additional information.


JOHN HATCH, Chief Engineer
March 8, 1991

Form 8 - Proof of Publication - Notice of
Intent to Appropriate Water

No. 797
#1157-3

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Brown) ss. Elmer Christensen

I, Pat Bauer hereby

certify that the annexed printed copy of Notice of Intent to Appropriate

Water was taken from the Aberdeen American News

A newspaper which during the whole time of publication of said notice
herein after stated, has been and is printed and published in the _____

City of Aberdeen

County of Brown and State of South Dakota;
that the said notice was published in said newspaper on the following
two dates:

November 10 & 17, 1977

(No. 797, Nov. 10-17-77)
NOTICE OF HEARING
ON APPLICATION TO
APPROPRIATE WATER
Notice is hereby given that Elmer
Christensen whose post office ad-
dress is Columbia, South Dakota,
has made an application in ac-
cordance with the provisions of
SDCL 46-1-1 thru 46-1-8, 46-2-9 thru
46-2-11, 46-2-13; 46-5-1 thru 46-5-4,
46-5-10 thru 46-5-22, 46-5-41, 46-6-3, 46-6-5,
46-6-6, 46-6-10, 46-6-14 and Com-
mission Rules ARSD 52-01-01.01
thru 52-01-01.13, for a permit to
appropriate for beneficial use 3.42
cubic feet of water per second of
time from ground water through the
E&E Ranch Irr. System, the point of
diversion of which is to be located in
the SW1/4SW1/4 of Section 15, Twp. 126
N Range 63 W. Said water to be used
for the purpose of providing
irrigation on portions of the
following described land: SW1/4, N1/2
of SW1/4, N1/4, S1/2 of NW1/4, Section
15, T126N, R63W.
This Application No. 4157-3 will be
considered by the Water Rights
Commission at Pierre, South Dakota
upon the 30 day of November, 1977 at
10 A.M. The Commission is
authorized to make a determination
on this application at the hearing. All
interested persons may appear and
be heard. Any person who may be
affected by a Commission decision
who desires to present evidence or
cross examine witnesses according
to SDCL 1-26 may notify the Com-
mission in writing prior to the
hearing or orally at the hearing.
WATER RIGHTS COMMISSION
James Winterton
Water Rights Specialist

Pat Bauer
(Signature)
Pat Bauer
(Title)
November 10 & 17, 1977
(Date Signed)





Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

4157A-3

September 19, 1990

Elmer Christianson
Rt. 1 Box 38
Columbia, SD 57433

Dear Mr. Christianson:

Enclosed is an application to correct the additional well that was developed under Water Permit No. 4157-3 in the NW 1/4 of Section 15-T126N-R63W.

This well and the NW 1/4 also needs to be covered with a Soil/Water Compatibility Permit. A water sample from the well will need to be sent to the Water Quality Lab in Brookings.

The enclosed forms need to be signed, notarized and returned to us along with the filing fee of \$50.00.

If you have any questions on this matter, please let us know.

Sincerely,

Timothy G. Schaal, P.E.
Natural Resources Engineer

enclosures

*Dear Sir,
you have recieved a copy of the water
analysis, if there is anything else you
need I hope I can supply it.*



*Elmer Christianson
Columbia So Dak
RR1 #38 57433*



DEPARTMENT OF WATER & NATURAL RESOURCES
Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

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

March 28, 1991

Elmer Christianson
Rt 1 Box 38
Columbia, SD 57433

Dear Mr. Christianson:

Water Permit Application No. 4157A-3 for irrigation use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice of hearing has been sent to the Publisher of the Aberdeen American News printed at Aberdeen, SD. For your information, a copy of the notice, the recommendation of the Chief Engineer and a report on the application are enclosed. Please review the notice prior to publication and notify this office, if you have any corrections or questions.

Be sure to contact the above newspaper to authorize publication of your Notice of Hearing and to arrange for payment. Early contact with the paper can eliminate delays. The publisher has been instructed to publish your notice once each week for two consecutive weeks with the last publication to occur twenty days before the board meeting. The newspaper has 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
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 WATER & NATURAL RESOURCES

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

March 25, 1991

Aberdeen American News
PO Box 4430
Aberdeen, SD 57402-4430

ATTENTION: Legal Department

Enclosed is a Notice of Hearing on Application No. 415A-3 to be published twice. Please publish the first notice on April 4, 1991, with the second publication 7 days later.

The APPLICANT MUST VERIFY TO YOU THAT THE NOTICE IS TO BE PUBLISHED, before you make the first publication. Please BILL the APPLICANT for the cost of publication. The APPLICANT is Elmer Christianson, Rt 1, Box 38, Columbia, SD 57433.

A copy of BOTH publications must be SENT to the WATER RIGHTS DIVISION. IMMEDIATELY return the FIRST publication with the FIRST Transmittal form on the bottom of this page. The first copy is needed to check the publication for errors so any corrections can be made in the second publication. Publication errors can invalidate the public notice and cause the applicant costly delays.

Please be sure the SECOND publication is returned IMMEDIATELY with the enclosed Proof of Publication form. DO NOT WAIT until the end of the month or the billing cycle. No action may be taken on the permit application until proof of publication has been received.

Sincerely,

Eric Gronlund
Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

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

FIRST TRANSMITTAL NOTICE

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

No. _____

Date _____

We are in receipt of your letter of _____ enclosing Notice of Hearing to
Appropriate Water by Application No. _____ 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 April 4, 1991, with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF HEARING on Application No. 4157A-3 to
to Correct Water Permit No. 4157-3

Notice is given that Elmer Christianson, Rt 1, Box 38, Columbia, SD 57433 has filed an application for a water permit for one additional well to irrigate 240 acres authorized by Water Permit No. 4157-3 in the NW 1/4 and SW 1/4 Section 15-T126N-R63W. Water Permit No. 4157-3 authorizes 3.42 cubic feet of water per second from an existing well located in the center of the SW 1/4 Section 15-T126N-R63W. The additional well (Elm-Northern Brown Aquifer) 95 feet deep is located in the S 1/2 NW 1/4 Section 15-T126N-R63W. This correction, if approved, does not authorize any increase in the diversion rate or acres irrigated.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 4157A-3 because 1) existing rights will not be unlawfully impaired, 2) it is a beneficial use of water, and 3) it is in the public interest. Unless a petition is filed opposing the application or the applicant files a petition contesting the chief engineer's recommendation, the Water Management Board will NOT CONDUCT a HEARING to consider this application and the chief engineer will issue the permit as recommended. Petitions filed in support of the application will NOT require the Board to hear the application.

Any person interested in opposing or supporting this application must file a written petition with BOTH the applicant and Chief Engineer. The applicant must also file a petition if opposed to the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Division, 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 22, 1991. 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.

For purposes of publishing 1) the notice of hearing on Application No. 4157A-3 and 2) the chief engineer's recommendation, a Board meeting is scheduled for May 1, 1991, at 10:00 am in the meeting room at Chef Louie's, 601 E. Havens, Mitchell, SD. If this application is opposed or the recommendation is contested, the May 1, 1991, hearing date may be rescheduled for another Board meeting. If the hearing is rescheduled, notice of the time and place will be given by First Class Mail to the applicant and persons filing petitions. Anyone not filing a petition, but interested in attending the hearing, may contact the Division of Water Rights to confirm a hearing date and location. The May 1, 1991, hearing date will be automatically delayed for at least 20 days upon written request to the Chief Engineer from the applicant or any interested person opposing the application. The request for an automatic delay must be filed by April 22, 1991.

If a hearing is held, the Chief Engineer's recommendation is not final or binding upon the Board. The Board is authorized to 1) approve, 2) approve with qualifications, 3) defer, or 4) deny this application based on the facts presented at the public hearing. Any hearing will be an adversary proceeding. Any person filing a petition and/or the applicant have the right to be represented by a lawyer and may present evidence or cross-examine witnesses according to SDCL 1-26. These and other due process rights will be forfeited if not exercised. Decisions of the Board may be appealed to the Circuit Court and State Supreme Court as provided by law. Contact the Water Rights Division to request copies of information pertaining to this application or to assure access to the hearing by the handicapped.

This application is made pursuant to SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-16; 46-2-3.1, 46-2-9, 46-2-11, 46-2-13, 46-2-17; 46-2A-1 thru 46-2A-10, 46-2A-12, 46-2A-14, 46-2A-15; 46-5-1 thru 46-5-11, 46-5-13 thru 46-5-15, 46-5-24, 46-5-25, 46-5-30.2, 46-5-30.4, 46-5-31; 46-6-3, 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14, 46-6-26; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15.

AFFIDAVIT OF PUBLICATION

STATE OF SOUTH DAKOTA

COUNTY OF BROWN

ss.



Lisa McTague BEING DULY SWORN, ON HIS OATH SAYS:
That the ABERDEEN AMERICAN NEWS is a DAILY newspaper of general circulation, printed and published in Aberdeen, Brown County, South Dakota, by the Aberdeen News Company, a corporation, and has been such a newspaper during the times hereinafter mentioned, that affiant is an employee and principal clerk of said publisher and has personal knowledge of all the facts stated in this affidavit; that the advertisement headed _____

Notice of Hearing

a printed copy of which is hereunto attached, was printed and published in the regular and entire issue of said newspaper, and not in a supplement thereof, once each _____ week for _____ 2 successive weeks.
The first publication being made on the _____ 4th day of _____ April 1991
The second publication being made on the _____ 11th day of _____ April 1991
The third publication being made on the _____ day of _____
The fourth publication being made on the _____ day of _____
The fifth publication being made on the _____ day of _____
The sixth publication being made on the _____ day of _____
The seventh publication being made on the _____ day of _____
The eighth publication being made on the _____ day of _____
The ninth publication being made on the _____ day of _____
That said newspaper is a legal newspaper, being published five days or more each week, having a bona fide circulation of more than two hundred copies daily, having been published in the English language within the said County of Brown for more than one year next prior to the first publication of said notice, and is printed in whole in an office maintained at the place of publication of said newspaper. That the whole amount of the fee paid for the publication of the annexed notice is \$ 75.08, which inures solely to the benefit of said publisher; that no agreement or understanding for a division thereof has been made with any other person, and that no part thereof has been agreed to be paid to any person whomsoever.

Lisa McTague

Subscribed and sworn to before me this _____ 11th day of

April 1991 19

Ellen D. Smith

Notary Public, Brown County, S. D.

My commission expires 7-17-95

daily Circulation 19, 930

(No 737 April 11, 1991)
NOTICE OF HEARING ON
Application No. 4157A-310
Correct Water Permit No. 4157-3
Notice is given that Elmer Christian, son, Rt. 1, Box 38, Columbia, SD 57433 has filed an application for a water permit for one additional well to irrigate 243 acres authorized by Water Permit No. 4157-3 in the NW 1/4 and SW 1/4 Section 15 T125N R63W. Water Permit No. 4157-3 authorizes 3.42 cubic feet of water per second from an existing well located in the center of the SW 1/4 Section 15 T125N R63W. The additional well (Elm Northern Brown Aquifer) 95 feet deep is located in the S 1/2 NW 1/4 Section 15 T126 R63W. This correction, if approved, does not authorize any increase in the diversion rate of acres irrigated.
Pursuant to SDCL 45-2A-2, the Chief Engineer recommends APPROVAL of Application No. 4157A-3 because: 1) unappropriated water is available; 2) existing rights will not be lawfully impaired; 3) it is a beneficial use of water; and 4) it is in the public interest. Unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation, the Water Management Board will NOT CONDUCT a HEARING to consider this application and the Chief Engineer will issue the permit as recommended. Petitions filed in support of the application will NOT require the Board to hear the application.
Any person interested in opposing or supporting this application must file a written petition with BOTH the applicant and Chief Engineer. The applicant must also file a petition if opposed to the Chief Engineer's recommendation. The Chief Engineer's address is: "Water Rights Division, Foss Building, 223 E. Capitol, Pierre, SD 57501 (505-773-3352)" 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 22, 1991. 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.
For purposes of publishing the notice of hearing on Application No. 4157A-3 and 2) the Chief Engineer's recommendation, a Board meeting is scheduled for May 1, 1991, at 10:00 a.m. in the meeting room at Chief Lewis's, 201 E. Havens, Mitchell, SD. If this application is opposed or the recommendation is contested, the May 1, 1991, hearing date may be rescheduled for another Board meeting. If the hearing is rescheduled, notice of the time and place will be given by First Class Mail to the applicant and persons filing petitions. Anyone not filing a petition, but interested in attending the hearing, may contact the Division of Water Rights to confirm a hearing date and location. The May 1, 1991, hearing date will be automatically delayed for at least 20 days upon written request to the Chief Engineer from the applicant or any interested person opposing the application. The request for an automatic delay must be filed by April 22, 1991.
If a hearing is held, the Chief Engineer's recommendation is not final or binding upon the Board. The Board is authorized to 1) approve; 2) approve with qualifications; 3) defer; or 4) deny this application based on the facts presented at the public hearing. Any hearing will be an adversary proceeding.
Any person filing a petition and/or the applicant have the right to be represented by a lawyer and may present evidence or cross examine witnesses according to SDCL 1-26. These and other due process rights will be forfeited if not exercised. Decisions of the Board may be appealed to the Circuit Court and State Supreme Court as provided by law. Contact the Water Rights Division to request copies of information pertaining to this application or to assure access to the hearing by the handicapped.
This application is made pursuant to SDCL 45-11 thru 45-19, 45-12 thru 45-16; 45-231; 45-78; 45-211; 45-213; 45-217; 45-2A-1 thru 45-2A-12; 45-2A-14; 45-2A-15; 45-51 thru 45-511; 45-513 thru 45-515; 45-524; 45-525; 45-530.2; 45-530.4; 45-531; 45-63; 45-63.1; 45-66.1; 45-66.10; 45-66.13; 45-66.14; 45-66.26; and Board Rules / RSD 74 C1 01 01 thru 74 C2 01 15.

Permit No. 4151A-3James River Water District**Report Of Examination Of Works And/Or Application Of Water To Beneficial Use**

TO: Chief Engineer, Division of Water Rights, DWRN, Foss Bldg., Pierre, SD 57501

I have this day made a thorough examination of the water use system constructed by Elmer Christiansonof Rt. 1 Box 38 Columbia, SD holder ofPermit No. 4157A-3, bearing the priority of September 30 19 77 authorizingthe diversion of 3.42 cu. ft. per second of the waters of Groundwaterfor Irrigation purposes, in Brown County.

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

A. Works used to divert the water:

Well #1 - Layne! Bowler - Well Line

5 stage Turbine Pump

Model - AXN 1279

John Deere - 6 cyl Diesel, Model - 6404 DR20

B. Works used to transport water to place of use: 557913RG320 ft. - 8 inch Buried Steel Pipe

Well #2 - Layne! Bowler - Well Line

5 stage Turbine Pump

Model - AXN 1230

John Deere - 6 cyl Diesel, Model 6404

DR20 538109RG

C. Works used to apply water to beneficial use:

2 - Zinnatic 9 tower Center PivotsThe system is in the following condition GoodThe point of diversion is located #1 - 1320' W. & 1250' S. of Center Sec. 15 - T126N-R63W#2 - 1320' W. & 1000' N. of Center Sec. 15 - T126N-R63WThe works are capable of diverting and conveying to the place of use 1300 gpm = 2.90cu. ft. per second of water which is to be used for IrrigationWater has been put to beneficial use to the maximum extent as follows: Section 15 - T126N-R63WNW 1/4 SW 1/4 - 2.5 Acres NW 1/4 NW 1/4 - 3 1/2 AcresNE 1/4 SW 1/4 - 3 1/2 NE 1/4 NW 1/4 - 20SW 1/4 SW 1/4 - 25 SW 1/4 NW 1/4 - 3 1/2SE 1/4 SW 1/4 - 3 1/2 SE 1/4 NW 1/4 - 3 1/2comprising a total of 2.40 acres of land and the license should be issued for 2.90 cfsApplicable permit qualifications have been complied with X Yes NoExceptions to compliance are: Date Sept. 12, 1990Timothy R. Schaal
(Signature)

LICENSE FOR PERMIT NUMBER 4157^A3

1. Legal location of wells: Well #1 - 1520 ft. West & 1250 ft. South of
the Center of Section 15-T126N-R63W
dams & structures: _____

2. Well Information: Well Drilling Firm Kaiser's Well Works

Completion Report Yes X No _____ No. of Wells 1 Depth 75 feet
Casing a) diameter 14" Screen a) type Stainless Steel
b) length 55 ft. b) length 20 ft.
c) type Steel Static Water Level 24 ft.
Pump a) make Layne Bowler Water Line Motor a) make John Deere 6 cyl. Diesel
b) model AXN1279 b) model No. 6909 DR20 551913RG
c) size 10 K.F.H. c) horsepower rating 60
d) capacity ≈ 650 gpm
e) turbine pump - no. of stages 5
f) operating PSI _____

3. Distribution lines or canals

a) size _____
b) type _____
c) length _____

4. Dam Information:

a) height to crest _____ m) Outlet tubes:
b) height to primary spillway _____ 1) diameter _____
c) height to secondary spillway _____ 2) type _____
d) crest width _____ 3) valved (Y/N) _____
e) crest length _____ 4) valve type _____
f) spillway length _____ 5) location on structure _____
g) spillway width _____
h) approx. storage _____ n) Category of Dam _____
i) approx. storage to crest _____
j) date constructed _____
k) inspection sheet completed (Y/N) _____
l) Name of Contractor _____

:

5. System Type a) sideroll:

- 1) length _____ feet
- 2) diameter of pipe _____
- 3) make, model & number of
sprinklers _____
- 4) spacing of sprinklers _____
- 5) nozzle size _____

c) gun

- 1) make _____
- 2) nozzle size _____
- 3) capacity (GPM) _____
- 4) hose size _____
- 5) hose length _____

e) gated pipe

- 1) length _____
- 2) diameter _____
- 3) spacing of gates _____

f) portable boom

- 1) make _____
- 2) nozzle size _____
- 3) capacity (GPM) _____

b) towline:

- 1) length _____ feet
- 2) make, model & number of
sprinklers _____
- 3) spacing of sprinklers _____
- 4) nozzle size _____

d) center pivot

- 1) make Zimmerman
- 2) number of towers 9
- 3) distance between towers _____
- 4) overall length ≈ 1320 ft
- 5) end gun (Y/N) Yes Nelson
- 6) high or low pressure low
- 7) make & size of nozzles
Rainbird
- 8) capacity (GPM) ≈ 650

g) siphons

- 1) size _____
- 2) number _____

NOTE: For Permits with additional wells or changes in well locations, record the following for each well: pumping capacity, date constructed, well driller and if a well log is available.

Indicate any other permit(s) which are associated with project 4157-3

Yes	No	Check Items
☒	☐	1. Soil and water permit lands agree with lands being irrigated and lands listed on permit?
☒	☐	2. Special qualifications to permit being abided by?
☒	☐	3. All structures, wells and lands on map?
☒	☐	4. Irrigation Questionnaires checked to determine if permit owner started irrigation by end of construction period?
☐	☒	5. Is chemigation used?
☐	☒	6. If yes, does equipment comply with chemigation rules?

REMARKS:

LICENSE FOR PERMIT NUMBER 4157A-3

1. Legal location of wells: Well #2 - 1320 ft. West & 1000 ft. North of
the Center of Section 15-T126N-R63W
dams & structures: _____

2. Well Information: Well Drilling Firm Kaiser's Well Works

Completion Report Yes X No _____ No. of Wells 1 Depth 95 feet
Casing a) diameter 14" Screen a) type Stainless Steel
b) length 75 ft. b) length 20 ft.
c) type Steel Static Water Level 19 ft.
Pump a) make Lopez Bender Well Line Motor a) make John Deere 6 cyl. Diesel
b) model AXN 1280 b) model No. 6404 DR 25 538109RG
c) size 10 KFH c) horsepower rating 60
d) capacity ≈ 650 gpm
e) turbine pump - no. of stages 5
f) operating PSI _____

3. Distribution lines or canals

a) size 8"
b) type Steel - Buried
c) length 320'

4. Dam Information:

a) height to crest _____ m) Outlet tubes:
b) height to primary spillway _____ 1) diameter _____
c) height to secondary spillway _____ 2) type _____
d) crest width _____ 3) valved (Y/N) _____
e) crest length _____ 4) valve type _____
f) spillway length _____ 5) location on structure _____
g) spillway width _____
h) approx. storage _____ n) Category of Dam _____
i) approx. storage to crest _____
j) date constructed _____
k) inspection sheet completed (Y/N) _____
l) Name of Contractor _____

5. System Type a) sideroll:

- 1) length _____ feet
- 2) diameter of pipe _____
- 3) make, model & number of
sprinklers _____
- 4) spacing of sprinklers _____
- 5) nozzle size _____

c) gun

- 1) make _____
- 2) nozzle size _____
- 3) capacity (GPM) _____
- 4) hose size _____
- 5) hose length _____

e) gated pipe

- 1) length _____
- 2) diameter _____
- 3) spacing of gates _____

f) portable boom

- 1) make _____
- 2) nozzle size _____
- 3) capacity (GPM) _____

b) towline:

- 1) length _____ feet
- 2) make, model & number of
sprinklers _____
- 3) spacing of sprinklers _____
- 4) nozzle size _____

d) center pivot

- 1) make Zimmerman
- 2) number of towers 9
- 3) distance between towers _____
- 4) overall length 1320
- 5) end gun (Y/N) Yes - Nelson
- 6) high or low pressure low
- 7) make & size of nozzles
Rainbird
- 8) capacity (GPM) ~ 650

g) siphons

- 1) size _____
- 2) number _____

NOTE: For Permits with additional wells or changes in well locations, record the following for each well: pumping capacity, date constructed, well driller and if a well log is available.

Indicate any other permit(s) which are associated with project # 9157-3

Yes	No	Check Items
---	---	1. Soil and water permit lands agree with lands being irrigated and lands listed on permit?
---	---	2. Special qualifications to permit being abided by?
---	---	3. All structures, wells and lands on map?
---	---	4. Irrigation Questionnaires checked to determine if permit owner started irrigation by end of construction period?
---	---	5. Is chemigation used?
---	---	6. If yes, does equipment comply with chemigation rules?

REMARKS:



GREAT FACES. GREAT PLACES.

SEP 17 1991

Elmer Christianson
Rt 1 Box 38
Columbia, SD 57433

Dear Mr. Christianson:

Enclosed is Water Permit No. 4157A-3 authorizing your water diversion system and the application of water beneficial use, not exceeding the limits as specified in the Water Permit.

The final inspection has been completed on this Permit, and we are ready to issue the Water License. Statutes require we charge \$50 for the inspection and issuance of the final papers. Upon receipt of this amount the Water License will be sent to you.

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights Division
605 773-3352

enclosures

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt Fee will provide you the signature of the person delivered to and the date of delivery.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Elmer Christianson
Rt 1, Box 38
Columbia, SD 57433

4a. Article Number

P 757 566 254

4b. Service Type

- | | |
|---|---|
| ☐ Registered | ☐ Insured |
| ☒ Certified | ☐ COD |
| ☐ Express Mail | ☐ Return Receipt for Merchandise |

7. Date of Delivery

6-16-72 *QFB*

5. Signature (Addressee)**6. Signature (Agent)**



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3181

June 15, 1992

SECOND NOTICE

Permit No. 4157A-3

NOTICE OF WATER LICENSE INSPECTION FEE REQUIREMENT

Elmer Christianson
Rt 1, Box 38
Columbia, SD 57433

Dear Mr. Christianson:

On September 17, 1991, you were notified the final inspection fee of \$50.00 is due before Water License No. 4157A-3 can be issued. As of this date, the fee has not been received.

The fee is a final step in the legal process of obtaining and perfecting a water right and is required by SDCL 46-2-13(3). Upon receipt of the \$50.00 fee, your Water License will be sent to you. This is the final document for the perfection of your Water Right. A perfected water right is similar to a property right and once a water right is perfected, it cannot be lost as long as the water is used.

South Dakota Water Law 46-5-30.1 requires that a permit holder may not divert water until the License fee has been paid. Please submit the required fee immediately to avoid jeopardizing your water permit.

Very truly yours,

John Hatch, Chief Engineer
Water Rights Division
Phone: (605) 773-3352

Mr Hatch,

I thought I had paid
that. So times run along
and then for get it.

Edw. Eastman
Columbia St. Bldg.

RECEIPT

Division of Water Rights

South Dakota Department of Water and Natural Resources

173219

Pierre, June 18, 1922

RECEIVED OF Elmer Christianson, Rt 1 Box 38, Columbia, SD 57433

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

Fee for Application for Permit No. _____ to Appropriate Water, to construct works and to put water to beneficial use _____		
Fee for Application for Permit No. _____ to Appropriate Water for Future Use _____		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. 4137A-3	50	00
Fee for Filing Transfer Form _____		
Fee for Filing Extension Request _____		
Fee for Certified Copy of _____		
Fee for Print Copy of Map _____		
Fee for Certifying _____		
Fee for _____		
(Any Other Work Provided by Law)	Total	50 00

By John H. H. H. H.
Chief Engineer



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3181

AUG 5 1992

4157A-3

Eimer Christianson
RR 1, Box 38
Columbia, SD 57433

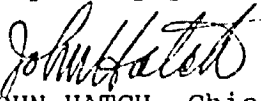
Dear Mr. Christianson:

Enclosed is Water License No. 4157A-3. This is the final water right document completing your process of obtaining a Water Right. Enclosed is Receipt No. 413249 in the amount of \$50.00 which you paid for the inspection and issuance of the Water License.

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. 4157A-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.

Very truly yours,


JOHN HATCH, Chief Engineer
Water Rights Division
(605) 773-3352

enclosures

NOTE: The applicable portions of Water Permit No. 4157-3 are incorporated into this Water License No. 4157A-3.

RECEIPT

Division of Water Rights

South Dakota Department of Water and Natural Resources

Pierre, _____ December 10, 19⁹⁰

RECEIVED OF Elmer Christensen, RR #1 Box 38, Columbia SD 57433
the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit No. <u>41574-3</u> to Appropriate Water, to construct works and to put water to beneficial use _____	50	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. _____		
Fee for Filing Transfer Form _____		
Fee for Filing Extension Request _____		
Fee for Certified Copy of _____		
Fee for Print Copy of Map _____		
Fee for Certifying _____		
Fee for _____		
(Any Other Work Provided by Law)	Total	50 00

By John H. Ketchum
Chief Engineer

Department of Agriculture
WI#1
5/87

SOIL/WATER COMPATIBILITY PERMIT
Division of Conservation

Office Use Only

4560

WR#

OWNERS NAME: ELMER CHRISTIANSON OWNERS ADDRESS: PO BOX 1
COLUMBIA SD 57433

COUNTY LAND LOCATED IN: BROWN PHONE: 394-2651

LEGAL DESCRIPTION:

1. LOCATION (2) Wells (1 Additional) --- 1320' West & 1600' North of the center of
15-T126N-R63W
Depth _____

Legal Description	Acres	Legal Description	Acres
NE 1/4 SW 1/4 15-T126N-R63W	25	NE 1/4 SW 1/4 15-T126N-R63W	34
SW 1/4 SW 1/4 15-T126N-R63W	25	SW 1/4 SW 1/4 15-T126N-R63W	34
NE 1/4 NW 1/4 15-T126N-R63W	34	NE 1/4 NW 1/4 15-T126N-R63W	20
SW 1/4 NW 1/4 15-T126N-R63W	34	SE 1/4 NW 1/4 15-T126N-R63W	34

2. TYPE OF IRRIGATION: GRAVITY _____ TOWLINE _____ CENTER PIVOT XX GUN _____ OTHER: _____ (Specify) _____

3. CROPS TO BE IRRIGATED: CORN, ALFALFA, SMALL GRAIN

WATER QUALITY:

4. WATER SAMPLE NUMBER: 90-1530 7. ADJUSTED (SAR): 1.29
5. SALINITY (EC X 10⁶): 1100 8. PERCENT SODIUM: 9.06
6. SODIUM (SAR): 6.49

Requirements:

Cavour soils included in the areas mapped as Barnes-Cavour (SeB), are claypan soils; these areas shall be deep ripped for reactivation, as needed.



[Signature]
Director, Division of Conservation

JANUARY 31, 1991
Date

XX APPROVED
____ DISAPPROVED
____ WAIVER

XX REQUIREMENTS

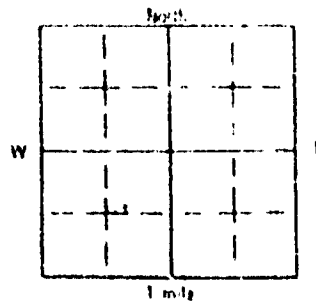
Soil/water permits will be recorded by the Department of Agriculture, with the County Register of Deeds.

4157A-3

15 Sec 13 T4 S3

County BROWN

Please mark well location with an X



Well #1

Well Completion Date 9/13/1978

PROPOSED USE

- ☐ Domestic ☐ Municipal ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling

Direct Rotary

CASING DATA

- ☒ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
54.57 LB/FT	14 IN	1 1/2 FT	55 FT	15 IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUT

Was the well grouted? ☐ YES ☐ NO

To what depth? _____ FEET

What is grouting material? Gravel Filler

If cement, number of sacks? _____

Describe grouting procedure _____

What was grout weight? _____ LB/GAL

SCREEN

- ☐ Perforated pipe ☒ Manufactured

Diameter 14 IN Length 20 FEET

Material Johnson SS 41-Q

Slot Size 50 Set From 55 feet To 75 feet

Slot Size _____ Set From _____ feet To _____ feet

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? _____

Was well disinfected upon completion? ☐ YES ☐ NO

Explain 4700-1000-001

Bacteriological analysis ☐ YES ☐ NO

Laboratory sent to _____

Well Owner

Name Elmer Christiansen

Address Co Lumbia, SD

Well Log

Depth

Formation

Formation	Top	Bottom
Top So. L	0	1 1/2
Yellow clay	1 1/2	13'
Gravel	13'	21'
Blue clay	21'	26'
Gravel	26'	42'
Blue clay	42'	48'
Gravel	48'	75'
Blue clay	75'	80'

STATIC WATER LEVEL 19 Feet

If flowing closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other, specify _____

Can well be completely shut in? _____

WELL TEST DATA

☐ Pumped

☐ Bailed

☐ Other

Describe _____

Turbine

Pumping Level Below Land Surface

37 ft After 24 Hrs pumped 800 GPM

_____ ft After _____ Hrs pumped _____ GPM

_____ ft After _____ Hrs pumped _____ GPM

REMARKS



This well was drilled under license # 31

And this report is true and accurate

Drilling firm _____

Signature of License Representative _____

Signature of Well Owner _____

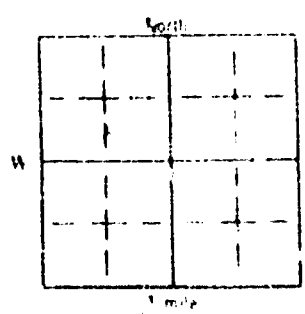
Date _____

115TH-3

Section 15 Twp 104 N R 53

Blown

Please mark well location with a 3



Well #2

Well Completion Date 10/21/78

PROPOSED USE

- ☐ Domestic ☐ Municipal ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling

Invert Rotary

CASING DATA

- ☐ Steel ☐ Plastic ☐ Other

If other describe

TYPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	IN	FEET	FEET	IN
14	1 1/2	75	14	1 1/2
14	1 1/2			
14	1 1/2			
14	1 1/2			

GROUT

Was the well grouted? ☐ YES ☐ NO

To what depth? FEET

What is grouting material? gravel pack filler

If cement, number of sacks?

Describe grouting procedure

What was grout weight? LB/GAL

SCREEN

- ☐ Perforated pipe ☐ Manufactured

Diameter 14 IN Length 20 FEET

Material Johnson S5 H1-A

Slot Size 50 Set from 75 feet to 95 feet

Slot Size Set from feet to feet

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?

Was well disinfected upon completion? ☐ YES ☐ NO

Explain

Bacteriological analysis ☐ YES ☐ NO

Laboratory soil to

Well Owner

Name Elmer Christianson

Address Columbia, S.D.

Well log

Depth

Formation

From	To
0	1
1	7
7	16
16	33
33	42
42	44
44	50
50	55
55	65
65	95
95	100

Top soil
yellow clay
gravel sand
yellow clay
Blue clay (Sandy)
gravel
coal
gravel
SAND FINE
gravel coarse
Blue clay

STATIC WATER LEVEL 24 Feet

If flowing closed in pressure PSI

GPM flow through inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other specify

Can well be completely shut in?

WELL TEST DATA

☐ Pumped

☐ Bailed

☐ Other

Describe Turbine

Pumping Level Below Land Surface

55 ft After 24 Hrs pumped 800 GPM

ft After Hrs pumped GPM

ft After Hrs pumped GPM

REMARKS

This well was drilled under license #

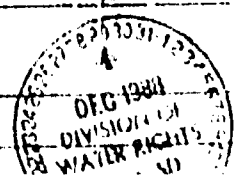
And this report is true and accurate

Drilling firm

Signature of license Representative

Signature of Well Owner

Date



DATE RECEIVED 11-2-78
DATE RECORDED 11-2-78
CARRIER OPERATOR

4157A-3



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181
www.state.sd.us/denr

July 13, 1998

4157A-3
4339-3
4340-3

Jolene Christianson
11476 391st Ave
Columbia, SD 57433

Dear Mrs. Christianson:

Enclosed, as you requested, are eight "Notice of Transfer of Ownership" forms for use in filing ownership changes on Water Right Nos. 4157A-3, 4339-3 and 4340-3.

You indicated during our phone conversation that the land described in the water rights has been decided to eight different heirs and the water rights will be divided accordingly. I have included copies of the water rights for your review.

Each of the transfer forms will need to be signed in the presence of a notary by the new owner of the land. A filing fee of \$2.50 is required for each transfer. If there are any special circumstances involved (i.e., the operator of the irrigation system is different than the owner) please include this information when returning the forms.

If you, or any of the people that will be filing the transfers, have any questions concerning the forms or the water rights, please do not hesitate to give me a call.

Sincerely,

Genny McMath
Environmental Scientist
Water Rights Program
(605) 773-3352

encl

ATTACHMENT TO WATER RIGHT NO. 4157A-3

Water Right No. 4157A-3 was licensed for diversion of 2.90 cubic feet of water per second (cfs) from two wells to irrigate 240 acres in the W ½ Section 15, T126N, R63W. The wells are located in the approximate center of the NW ¼ and the SW ¼.

On July 24, 1998, ownership changes were filed with the water right. Water License No. 4157A-3 is being divided and reissued to reflect separate ownership as follows:

- No. 4157B-3 – Rhea E Rowe and Curtis L Christianson; diversion of 1.45 cfs from one well to irrigate 122 acres all located in the NW ¼ Section 15, T126N, R63W;
- No. 4157C-3 – Sharon M Frommelt and Mark W Christianson; diversion of 1.45 cfs from one well to irrigate 118 acres all located in the SW ¼ Section 15, T126N, R63W.

NOTICE OF TRANSFER OF OWNERSHIP

To: Chief Engineer
Water Rights Program, DENR
523 E. Capitol
Pierre, SD 57501-3181



No. 4157A-3

Date: 7-22-98

I/We request that Water Permit/Right No. 4157A-3

formerly owned by: ELMER L CHRISTIANSON

be transferred to: (name & address) Sharon M. Frommelt & MARK W. CHRISTIANSON
19335 E. 95th 11476 391st Ave. 530-662-4022 - SHARON
Waukegan, IL 60095 Columbia, SD 57433 Telephone No. 605-396-2651 - MARK

Title to the following described land(s)/property has been transferred as described above:

SW 1/4 15-126-63

I/We understand that the validity of Water Permit/Right No. 4157A-3 has not been determined by this transfer action. If I/We have any questions on validity, I/We understand that only the Water Management Board has the authority to determine if a water permit/right is valid (see note).

You are requested to file this "Notice of Transfer" in the appropriate file with the Water Rights Program, as evidence of the change of ownership.

A fee of Two Dollars and Fifty Cents (\$2.50) is attached to cover the filing fees as required under SDCL 46-2-13.

STATE OF SOUTH DAKOTA)

County of Brown)

I/We Mark W. Christianson being first duly sworn on my oath depose and say that my relation to the above described undertaking is that of Owner, that I have read the above foregoing statement, and that I know of my own personal knowledge that the information herein stated is true.

Sharon Frommelt
Mark W. Christianson
(Signed)

Subscribed and sworn to before me this 22nd day of July, 19 98.

Carol M. Mersfeldt
(Notary Public)

My Comm expires: 1-23-2000

NOTE: Water permits may be cancelled for nonconstruction within the five year construction period. Once a water permit is developed and the water used, the permit becomes a right. A water right may be lost for three reasons:

1. Abandonment - no intent to use water and use is abandoned.
2. Forfeiture - no use of water for three year period without legal excuse.
3. For a third violation of a condition of a water permit/right.

NOTICE OF TRANSFER OF OWNERSHIP

To: Chief Engineer
Water Rights Program, DENR
523 E. Capitol
Pierre, SD 57501-3181

No. 4157A-3Date: 7-22-98I/We request that Water Permit/Right No. 4157A-3formerly owned by: ELMER L CHRISTIANSON

be transferred to: (name & address) RHEA E. ROWE & CURTIS L. CHRISTIANSON
3800 Cedar Ln 532 2nd St 402-1135 7347 - Rhea
Lincoln NE 68521 Merrielle, FL 32578 Telephone No. 850 618-1745 - Curtis

Title to the following described land(s)/property has been transferred as described above:

NW 1/4 EX HWY 15-126-63

I/We understand that the validity of Water Permit/Right No. 4157A-3 has not been determined by this transfer action. If I/We have any questions on validity, I/We understand that only the Water Management Board has the authority to determine if a water permit/right is valid (see note).

You are requested to file this "Notice of Transfer" in the appropriate file with the Water Rights Program, as evidence of the change of ownership.

A fee of Two Dollars and Fifty Cents (\$2.50) is attached to cover the filing fees as required under SDCL 46-2-13.

STATE OF SOUTH DAKOTA)

County of Brown)

I/We Curtis L. Christianson being first duly sworn on my oath depose and say that my relation to the above described undertaking is that of Owner, that I have read the above foregoing statement, and that I know of my own personal knowledge that the information herein stated is true.

Rhea E. Rowe
[Signature]
 (Signed)

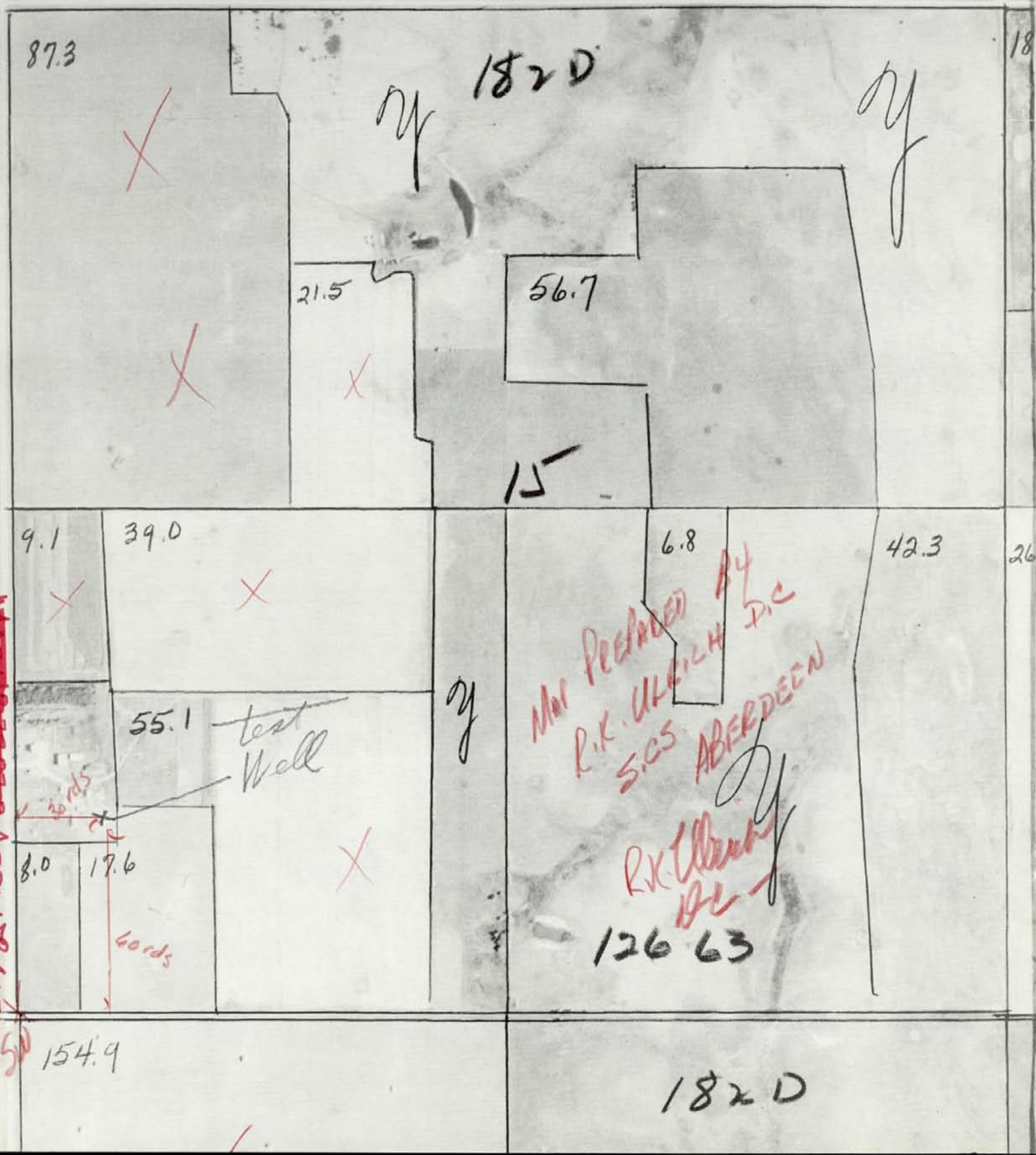
Subscribed and sworn to before me this 22nd day of July, 19 98.

[Signature]
 (Notary Public)
 My Comm expires: 1-23-2000

NOTE: Water permits may be cancelled for nonconstruction within the five year construction period. Once a water permit is developed and the water used, the permit becomes a right. A water right may be lost for three reasons:

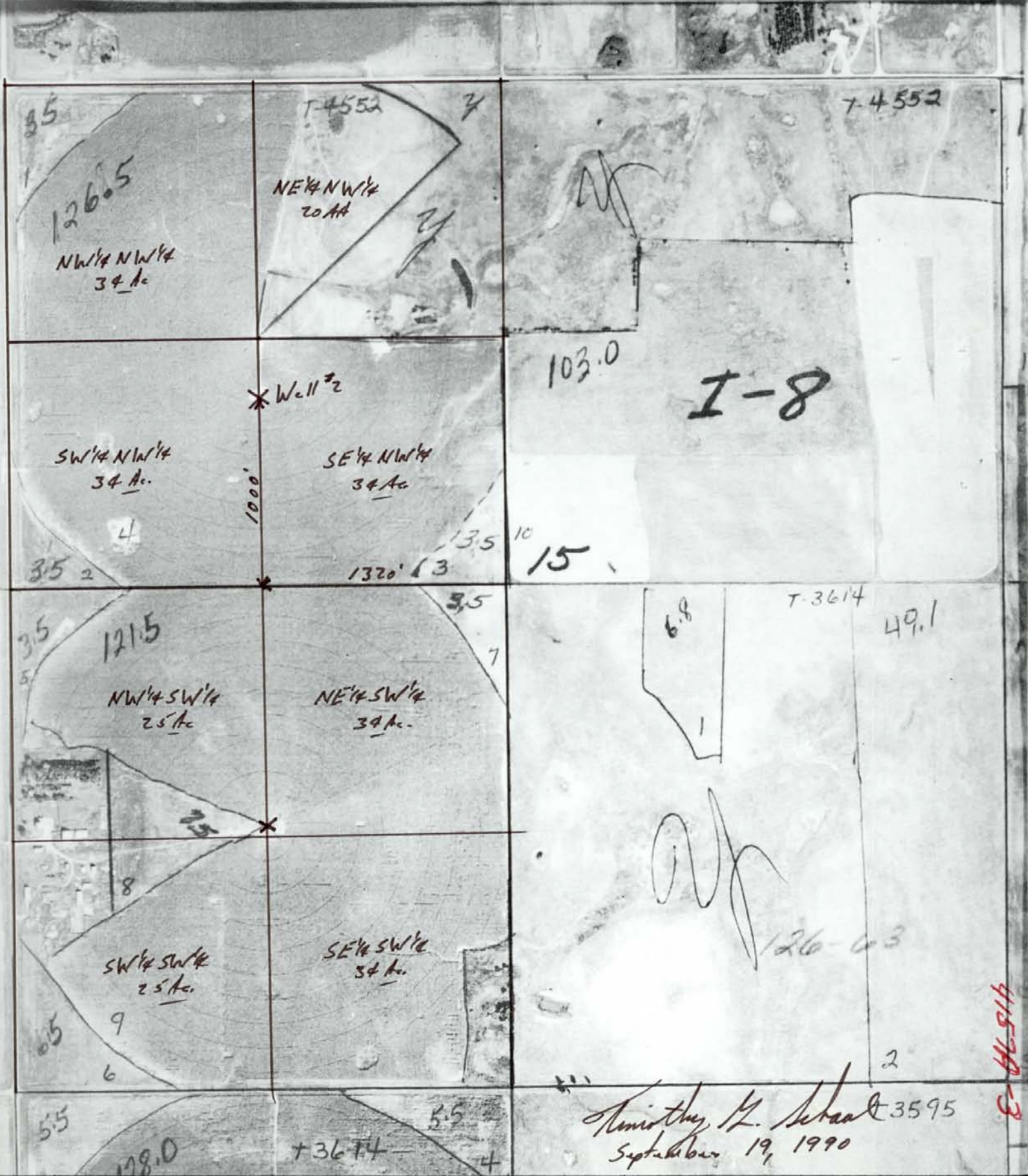
1. Abandonment - no intent to use water and use is abandoned.
2. Forfeiture - no use of water for three year period without legal excuse.
3. For a third violation of a condition of a water permit/right.

APPL 150 4157-3



Appl. No 4157A-3

NOT TO SCALE



NOT TO SCALE

