

Considered: _____

WATER PERMIT NO. 5241-3

HAP No. same 693-4044

Name of Applicant Darrel Pahl

Post Office Address RR3, Box 156, Brookings SD 57006

Amount of Water Claimed 1.91 Total Acres 134

Source of Water Supply 1 well - ground water

Water to be used for irrigation County Brookings

About 4 miles E of Brookings

PROOF OF PUBLICATION: Received _____ Not Received _____

APPLICATION: Approved _____ Subject to _____

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

PRIORITY _____ Date Received Oct. 31, 1988 Fee \$250⁰⁰ Remarks _____

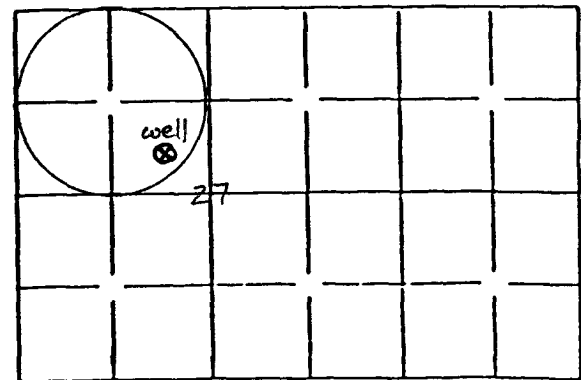
Corrected Application Received _____ Period of Annual Use May 1 - Oct 31

WATER QUALITY APPROVAL RECEIVED _____ APPROVED/CONDITIONAL (Circle one)

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

Diversion Point well: SE 1/4 NW 1/4 section 27 -
T110N-R49W

Land to be Irrigated NW 1/4 section 27 -
T110N-R49W



Well Log: Driller Lacey Licensed YES ☒ NO ☐

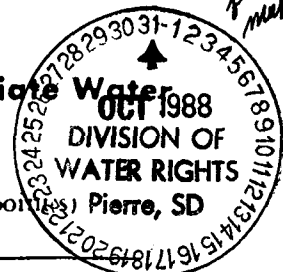
Depth of Well 43 feet REMARKS _____

Type of Map plat PREPARED BY Alan R Bender Reviewed and the Number assigned on Oct 31, 1988 By Ron D. Small

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

(See instructions)

No. 5241-3 Hydrologic Unit 10170202
Basin Big Sioux River
Newspaper Brookings Daily Register, Box 177
57006



Application For Soil/Water Compatibility Permit and Permit To Appropriately Use 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 _____

1. Name of Applicant Darrel Pahl Phone No. 693-4044
Post Office Address RR 3 Box 156 Brookings State SD
(Street, RR or Box) (City) Zip Code
2. Amount of water claimed (c.f.s.) 2x 1.91 Total acres irrigated 134
3. Source of Water supply well
4. Location of point of diversion approximately 1000 feet southeast of the center of the
center of the NW 1/4 S27 T110N R49W SE 1/4 NW 1/4
County Brookings
5. Counties where water will be used Brookings
6. Annual period during which water is to be used -May-Oct- May 1 - 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.
NW 1/4 NW 1/4 S27 T110N R49W	34
NE 1/4 NW 1/4 S27 T110N R49W	34
SE 1/4 NW 1/4 S27 T110N R49W	34
SW 1/4 NW 1/4 S27 T110N R49W	34

Land Description	No. Acres Irr.

Attach sheet if more space is needed

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

Center pivot irrigation machine will be installed by Spring of 1989 with the the pivot point at the center of the quarter section. Water will be diverted by underground line from a well finished in the aquifer and located approximately 1000 feet southeast of the pivot point.

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 Brookings

I, Darrel Pahl, 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 Darrel Pahl

Subscribed and sworn to before me this 29th day of October 19 88

Jeanne Stratton
Notary Public

**SOUTH DAKOTA
WATER PERMIT FOR IRRIGATION**

Date of first receipt of application October 31, 1988

Date Soil/Water Compatibility Permit received November 18, 1988

Date of return to applicant for correction, amendments or changes required _____

Date of receipt of corrected application _____

The Water Management Board approved Water Permit Application No. 5241-3

on December 8, 1988 for Darrel Pahl

(Applicant)

<u>RR 3 Box 176</u>	<u>Brookings</u>	<u>SD</u>	<u>57006</u>
(Street, RR or Box)	(City)	(State)	(Zip Code)

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. 5241-3 appropriates 1.91 cubic feet of water per second
from one well, approximately 50 feet deep, to irrigate 134 acres.
The well is to be located in the SE $\frac{1}{4}$ NW $\frac{1}{4}$ and the acreage to be
irrigated in the NW $\frac{1}{4}$; all in Section 27- T110N-R49W.

2. The amount of the appropriation may not exceed 2 acre feet per acre per year or one-seventieth (1/70) cubic feet of water per second 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 - October 31
3. The date from which applicant may claim the right is October 31, 1988
4. One-fifth of the construction is to be completed on or before June 8, 1991
5. All construction is to be completed on or before December 8, 1993
6. Water is to be put to beneficial use on or before December 8, 1997
7. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

1. The 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: 

Chief Engineer

Division of Water Rights
Dept. of Water and Natural Resources

MAR 10 1989

Supplemental Information

(type or print in ink)

1. Well Information - Proposed construction

- a) Drill Hole Diameter 16 inches Depth 50 ft
- b) Casing Type Plastic Diameter 16 in Thickness 1/2
- c) Screen Type Johnson well Diameter 16 in Thickness _____
- d) Gravel Pack Thickness 4-6 inches Length of Gravel Pack 15 ft
- e) Depth to Top of Water Bearing Material 2 ft
- f) Depth to Water (ground surface to water level) 10-12 ft
- g) Distance to nearest existing domestic well:
- On applicants property none On property owned by others 3000 ft

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

b) Freeboard _____

c) Crest Width _____

Crest Length _____

d) Height _____

e) Primary Outlet Capacity _____
 If Pipe, diameter _____

f) Secondary Spillway Capacity _____
 Spillway width _____

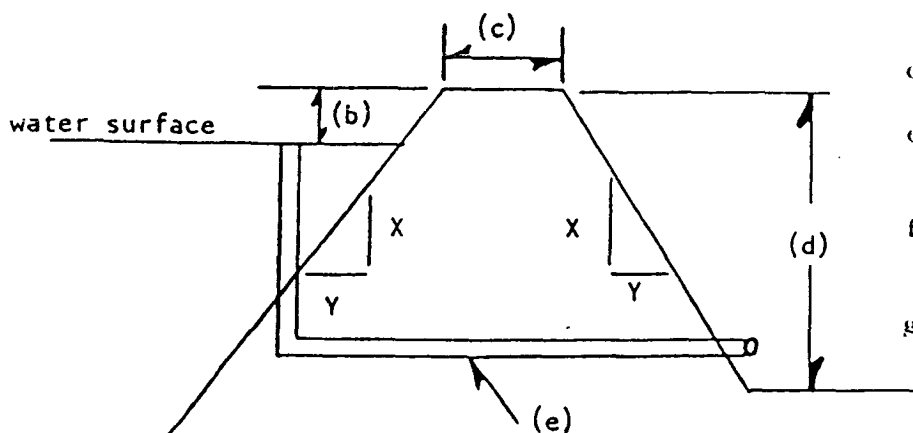
g) X & Y Slope
 Upstream _____

Downstream _____

Surface Area of Impoundment _____

Storage _____ acre feet

Drainage area above dam _____



Darrell Pahl
 Signature of Applicant

RECEIPT

Division of Water Rights

South Dakota Department of Water and Natural Resources

411473

Pierre, October 31, 1988

RECEIVED OF Darrel Pahl, RR 3, Box 156, Brookings, SD57006

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

Fee for Application for Permit No. <u>5241-3</u> to Appropriate Water, to construct works and to put water to beneficial use	250	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	250 00

By

Chief Engineer

John Hatch
JOHN HATCH

ms

Department of Agriculture
WI#1
5/87

SOIL/WATER COMPATIBILITY PERMIT
Division of Conservation

Office Use Only

4303

WR#

OWNERS NAME: Darrel Pahl OWNERS ADDRESS: RR 3, Box 156

Brookings, SD 57006

COUNTY LAND LOCATED IN: Brookings PHONE: 693-4044

LEGAL DESCRIPTION:

☒ Well

☐ Surface

1. LOCATION 1000 ft SE of center of NW $\frac{1}{4}$ S27-110-49

Depth: _____

Legal Description	Acres	Legal Description	Acres
NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec 27-110-49	34		
NE $\frac{1}{4}$ NW $\frac{1}{4}$ " "	34		
SE $\frac{1}{4}$ NW $\frac{1}{4}$ " "	34		
SW $\frac{1}{4}$ NW $\frac{1}{4}$ " "	34	TOTAL +	136

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

3. CROPS TO BE IRRIGATED: corn and soybeans

WATER QUALITY:

4. WATER SAMPLE NUMBER: 75-467

7. ADJUSTED (SAR): _____

5. SALINITY (EC X 10⁶): 656

8. PERCENT SODIUM: 4.34

6. SODIUM (SAR): 0.18

Requirements:



[Signature]
Director, Division of Conservation

Date 11/10/88

☒ APPROVED
☐ DISAPPROVED
☐ WAIVER
☐ REQUIREMENTS

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

LACEY WELL DRILLING

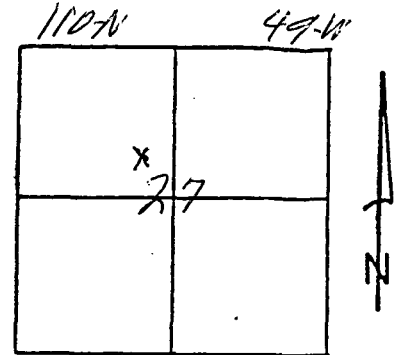
TRENT, SOUTH DAKOTA

TEST DRILLING LOG SHEET

JOB NO. _____
NAME _____

TEST HOLE NO. _____
DATE DRILLED 10-15-88
DRILLING CO. Lacey Well Drilling
DRILLER'S NAME Jim Lacey

SECTION _____
T 110 N
R 49 W
MARK LOCATION WITHIN SECTION



LOG

DEPTH		FORMATION DESCRIPTION	DEPTH		FORMATION DESCRIPTION
FEET	FEET		FEET	FEET	
<u>0</u>	TO <u>2</u>	<u>SANDY TOP SOIL</u>	_____	TO _____	_____
<u>2</u>	<u>10</u>	<u>DRY SAND & GRAVEL</u>	_____	_____	_____
<u>10</u>	<u>43</u>	<u>SAND & GRAVEL</u>	_____	_____	_____
<u>43</u>	_____	<u>CLAY</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

STATIC WATER LEVEL (MEASURED FROM TOP OF GROUND) 10' + -
WATER SAMPLE TAKEN ? (YES) ☒ (NO) IF YES, WHAT ACTION TAKEN ? _____

ESTIMATE OF PUMPING CAPACITY 750-800 GPM

REMARKS: TEST HOLE PLUGGED WITH BENTONITE

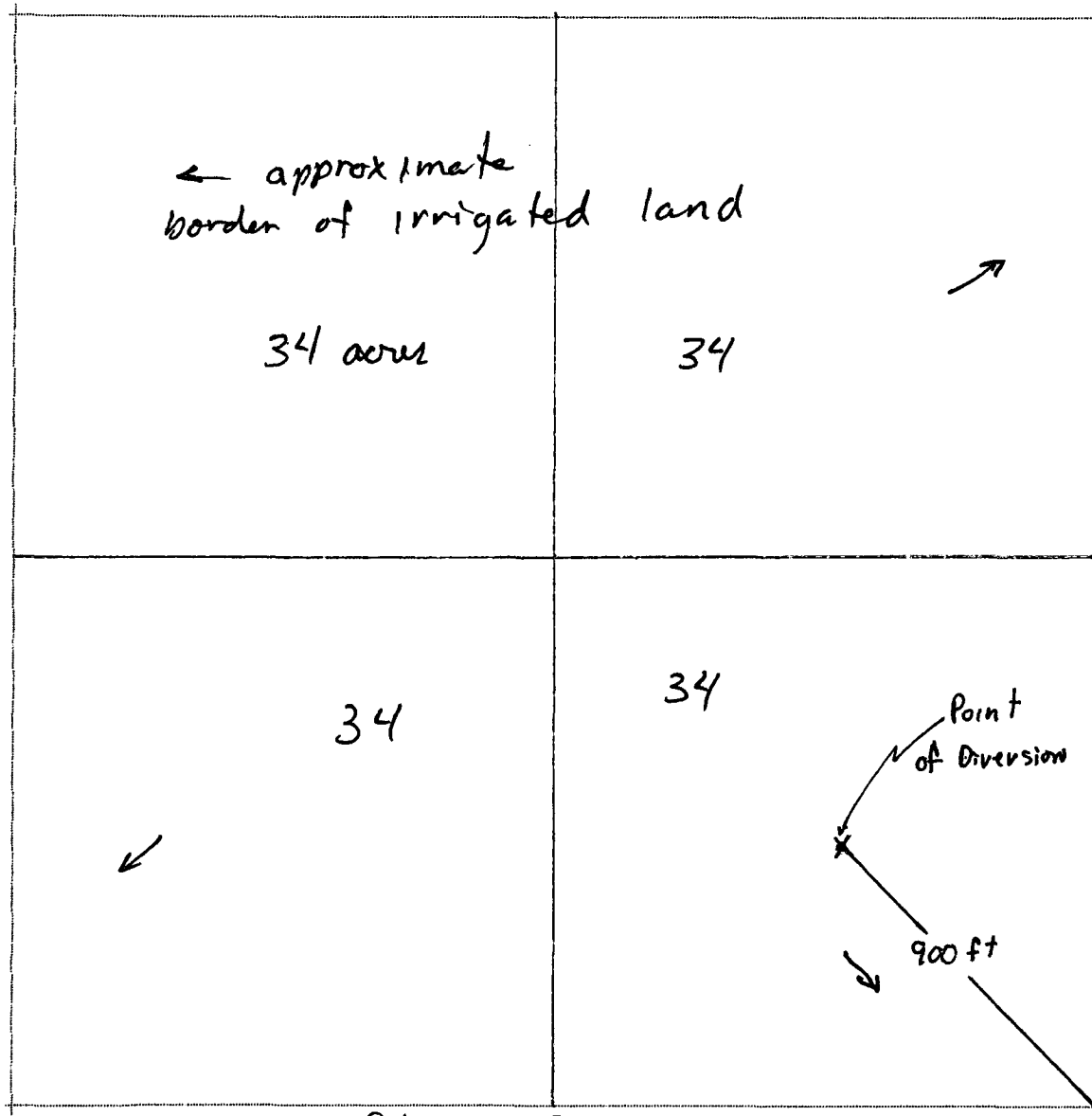
APPLICATION FOR IRRIGATION WATER PERMIT

Name of owner: Darrel Pahl

Applicant: Darrel Pahl

Lands to be irrigated and point of diversion:

Legal Description: NW 1/4 S 27 T 110N R 49 W
Brookings County



Certified by Alan F. Bender, P.E.

Signature

Alan F. Bender

Date 29 Oct 1988

Appl. No. 5241-3

REPORT ON APPLICATION NO. 5241-3

DARREL PAHL

November 3, 1988

This application proposes to appropriate 1.91 cfs from one well approximately 50 feet deep to irrigate 134 acres. The well is to be located in the SE 1/4 NW 1/4 and the irrigated acreage in the NW 1/4; all in Section 27, T110N, R49W in Brookings County.

Aquifer - Big Sioux - Aurora (BS-A)

The Big Sioux-Aurora (BS-A) is a Pliocene alluvium mantled outwash (sand and gravel) which is under water table conditions in this area. The test hole log submitted with this application indicates sand and gravel from 2 feet to 43 feet below land surface with a static water level approximately 10 feet below land surface. The BS-A underlies 39,300 acres and conservatively contains an estimated 165,060 acre feet of recoverable water (Hedges, 1982). In a recently completed study of Brookings County, the Big Sioux Aquifer is estimated to underlie 470 square miles, average 30 feet in saturated thickness and contain 1.9 million acre feet of water (Hamilton, 1988). Using the saturated thickness map in Hamilton's Report and the management unit scenario in the Hedge's Report, a better estimate of 235,000 acre feet of recoverable water in the BS-A aquifer can be obtained.

The Division of Water Rights monitors 13 observation wells in the BS-A Aquifer. Hydrographs for three of these wells, BG-57F, BG-79D and BG-79E are included with this report (Water Rights, 1988). Hydrographs for these wells mimic the effects of wet and dry years. Pumping from the aquifer is obviously shown to affect water levels in the observation wells. Estimated recharge rates to the Big Sioux Aquifer vary from 3.6 in/yr to 5.0 in/yr (11,790 af/yr to 16,375 af/yr) (Hedges, 1983) with some other estimates as high as 9.3 in/yr (30,460 af/yr) (Hanson, 1988). Pumping Records (Irrigation Reports, 1988) indicate pumping from the BS-A Aquifer for irrigation has averaged about 2300 af/yr for the last five years.

REVIEW OF EXISTING WATER PERMITS

This application is in an area which is intensively irrigated. There are three other irrigation wells in the same section as this application. Interference is not expected to be a problem. Since the wells are under water table conditions and the aquifer has a high permeability, significant drawdowns do not extend very far from an individual production well. There have never been any documented interference problems in this area even though typically wells are about 1/2 mile apart. There are 48 water permits issued from BS-A aquifer and in 1987 thirty three of those permits reported irrigation.

CONCLUSIONS

1. Water is available from the BS-A Aquifer.
2. Interference is not expected to be a problem. Significant drawdowns are not apparent in the observation well records.
3. Recharge to the aquifer occurs readily when water is available and estimates of recharge potential greatly exceed reported water use from the aquifer.
4. This is a highly productive aquifer. The aquifer material is a clean sand and gravel with a high permeability. Pumping wells creates a cone of depression which typically may extend only a few hundred feet from the production well.


JAMES A. GOODMAN
Hydrologist

Bibliography

- Hamilton, L.J., 1988, Major Aquifers in Brookings County, South Dakota, Information Pamphlet No. 40, DWNr, SDGS, Vermillion, SD, 57069.
- Hanson, D.S., 1988, Appraisal of the Water Resources of the Big Sioux Aquifer, Moody County, SD WRI 87-4057, USGS, Huron, SD 57350.
- Hedges, L.S., 1982, Evaluation of Ground-Water Resources Eastern SD and Upper Big Sioux River, SD and Iowa, for US Army Corps of Engineers, DWNr, SDGS, Vermillion, SD 57069.
- Hedges, L.S., 1983, Task 7: Ground Water Recharge, for US Army Corps of Engineers, DWNr, SDGS, Vermillion, SD 57069.
- Irrigation Questionnaire, 1988, Records of Irrigation Reports, 1982 thru 1987, DWNr Division of Water Rights, Joe Foss Building, Pierre, SD 57501.
- Water Rights, 1988, Records for Observation Wells in BS-A Aquifer Brookings County, DWNr, Division of Water Rights, Joe Foss Building, Pierre, SD 57501.

OBS_WELL	OBSERVATION WELL LOCATION	WATER LEVELS DATE	READING
BG-57F	110N-49W-26CCCC	03/10/58	-12.4
BG-57F	110N-49W-26CCCC	07/21/58	-15.4
BG-57F	110N-49W-26CCCC	11/29/58	-17.5
BG-57F	110N-49W-26CCCC	03/13/59	-17.8
BG-57F	110N-49W-26CCCC	07/14/59	-19.2
BG-57F	110N-49W-26CCCC	11/17/59	-19.7
BG-57F	110N-49W-26CCCC	05/04/60	-20.4
BG-57F	110N-49W-26CCCC	07/08/60	-20.6
BG-57F	110N-49W-26CCCC	11/01/60	-20.7
BG-57F	110N-49W-26CCCC	03/03/61	-20.7
BG-57F	110N-49W-26CCCC	07/14/61	-20.7
BG-57F	110N-49W-26CCCC	11/01/61	-20.6
BG-57F	110N-49W-26CCCC	04/12/62	-20.2
BG-57F	110N-49W-26CCCC	07/10/62	-20.0
BG-57F	110N-49W-26CCCC	10/30/62	-21.7
BG-57F	110N-49W-26CCCC	03/07/63	-18.6
BG-57F	110N-49W-26CCCC	07/16/63	-21.0
BG-57F	110N-49W-26CCCC	11/15/63	-21.5
BG-57F	110N-49W-26CCCC	03/25/64	-17.7
BG-57F	110N-49W-26CCCC	07/08/64	-17.5
BG-57F	110N-49W-26CCCC	01/15/65	-17.5
BG-57F	110N-49W-26CCCC	04/12/65	-17.0
BG-57F	110N-49W-26CCCC	08/03/65	-17.4
BG-57F	110N-49W-26CCCC	11/01/65	-17.4
BG-57F	110N-49W-26CCCC	03/31/66	-17.1
BG-57F	110N-49W-26CCCC	07/25/66	-19.0
BG-57F	110N-49W-26CCCC	12/07/66	-18.6
BG-57F	110N-49W-26CCCC	03/21/67	-18.3
BG-57F	110N-49W-26CCCC	07/12/67	-18.0
BG-57F	110N-49W-26CCCC	11/23/67	-18.4
BG-57F	110N-49W-26CCCC	03/07/68	-18.3
BG-57F	110N-49W-26CCCC	07/10/68	-18.5
BG-57F	110N-49W-26CCCC	10/30/68	-18.5
BG-57F	110N-49W-26CCCC	04/23/69	-18.1
BG-57F	110N-49W-26CCCC	08/07/69	-17.5
BG-57F	110N-49W-26CCCC	11/18/69	-17.3
BG-57F	110N-49W-26CCCC	04/02/70	-18.7
BG-57F	110N-49W-26CCCC	07/02/70	-15.8
BG-57F	110N-49W-26CCCC	11/24/70	-16.2
BG-57F	110N-49W-26CCCC	03/25/71	-16.6
BG-57F	110N-49W-26CCCC	07/07/71	-16.8
BG-57F	110N-49W-26CCCC	11/04/71	-17.5
BG-57F	110N-49W-26CCCC	04/05/72	-17.3
BG-57F	110N-49W-26CCCC	07/08/72	-15.5
BG-57F	110N-49W-26CCCC	11/21/72	-15.8
BG-57F	110N-49W-26CCCC	05/02/73	-15.9
BG-57F	110N-49W-26CCCC	07/10/73	-16.2
BG-57F	110N-49W-26CCCC	11/28/73	-19.5
BG-57F	110N-49W-26CCCC	04/16/74	-17.2
BG-57F	110N-49W-26CCCC	07/09/74	-17.9
BG-57F	110N-49W-26CCCC	12/06/74	-18.1
BG-57F	110N-49W-26CCCC	05/14/75	-17.9
BG-57F	110N-49W-26CCCC	07/09/75	-18.0
BG-57F	110N-49W-26CCCC	12/09/75	-18.8
BG-57F	110N-49W-26CCCC	04/16/76	-18.4

OBS_WELL	OBSERVATION WELL LOCATION	WATER LEVELS DATE	READING
BG-57F	110N-49W-26CCCC	08/03/76	-18.6
BG-57F	110N-49W-26CCCC	11/30/76	-19.2
BG-57F	110N-49W-26CCCC	02/14/77	-19.5
BG-57F	110N-49W-26CCCC	04/21/77	-19.3
BG-57F	110N-49W-26CCCC	05/23/77	-19.4
BG-57F	110N-49W-26CCCC	07/13/77	-19.1
BG-57F	110N-49W-26CCCC	08/10/77	-19.8
BG-57F	110N-49W-26CCCC	12/13/77	-19.2
BG-57F	110N-49W-26CCCC	05/09/78	-17.8
BG-57F	110N-49W-26CCCC	05/23/78	-17.4
BG-57F	110N-49W-26CCCC	06/27/78	-17.2
BG-57F	110N-49W-26CCCC	08/11/78	-18.0
BG-57F	110N-49W-26CCCC	09/01/78	-18.8
BG-57F	110N-49W-26CCCC	10/06/78	-18.5
BG-57F	110N-49W-26CCCC	11/08/78	-18.4
BG-57F	110N-49W-26CCCC	12/12/78	-18.3
BG-57F	110N-49W-26CCCC	04/03/79	-18.0
BG-57F	110N-49W-26CCCC	05/15/79	-17.0
BG-57F	110N-49W-26CCCC	06/26/79	-16.2
BG-57F	110N-49W-26CCCC	07/31/79	-16.6
BG-57F	110N-49W-26CCCC	10/02/79	-16.9
BG-57F	110N-49W-26CCCC	11/06/79	-15.8
BG-57F	110N-49W-26CCCC	02/20/80	-16.8
BG-57F	110N-49W-26CCCC	04/16/80	-17.0
BG-57F	110N-49W-26CCCC	05/16/80	-15.0
BG-57F	110N-49W-26CCCC	06/03/80	-16.5
BG-57F	110N-49W-26CCCC	06/20/80	-17.1
BG-57F	110N-49W-26CCCC	07/03/80	-16.0
BG-57F	110N-49W-26CCCC	07/17/80	-16.1
BG-57F	110N-49W-26CCCC	07/29/80	-16.4
BG-57F	110N-49W-26CCCC	08/12/80	-16.7
BG-57F	110N-49W-26CCCC	08/31/80	-16.6
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BG-57F	110N-49W-26CCCC	03/10/81	-17.1
BG-57F	110N-49W-26CCCC	04/17/81	-17.2
BG-57F	110N-49W-26CCCC	06/04/81	-17.5
BG-57F	110N-49W-26CCCC	06/16/81	-17.8
BG-57F	110N-49W-26CCCC	06/30/81	-18.1
BG-57F	110N-49W-26CCCC	07/17/81	-18.4
BG-57F	110N-49W-26CCCC	07/30/81	-18.6
BG-57F	110N-49W-26CCCC	08/12/81	-18.7
BG-57F	110N-49W-26CCCC	08/31/81	-18.9
BG-57F	110N-49W-26CCCC	09/09/81	-18.9
BG-57F	110N-49W-26CCCC	09/30/81	-19.1
BG-57F	110N-49W-26CCCC	11/24/81	-19.1
BG-57F	110N-49W-26CCCC	02/22/82	-19.3
BG-57F	110N-49W-26CCCC	05/04/82	-18.7
BG-57F	110N-49W-26CCCC	05/28/82	-18.7
BG-57F	110N-49W-26CCCC	06/21/82	-18.4
BG-57F	110N-49W-26CCCC	07/19/82	-17.3
BG-57F	110N-49W-26CCCC	08/16/82	-17.4
BG-57F	110N-49W-26CCCC	08/31/82	-17.9
BG-57F	110N-49W-26CCCC	10/26/82	-17.5
BG-57F	110N-49W-26CCCC	03/03/83	-15.7

OBS_WELL	OBSERVATION WELL LOCATION	WATER LEVELS DATE	READING
BG-57F	110N-49W-26CCCC	04/05/83	-14.6
BG-57F	110N-49W-26CCCC	06/06/83	-13.5
BG-57F	110N-49W-26CCCC	07/05/83	-13.6
BG-57F	110N-49W-26CCCC	07/31/83	-13.8
BG-57F	110N-49W-26CCCC	09/06/83	-14.7
BG-57F	110N-49W-26CCCC	11/08/83	-14.5
BG-57F	110N-49W-26CCCC	04/09/84	-12.8
BG-57F	110N-49W-26CCCC	06/13/84	-11.1
BG-57F	110N-49W-26CCCC	07/09/84	-9.0
BG-57F	110N-49W-26CCCC	08/06/84	-10.8
BG-57F	110N-49W-26CCCC	09/24/84	-12.1
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BG-57F	110N-49W-26CCCC	06/19/85	-10.6
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BG-57F	110N-49W-26CCCC	10/28/86	-9.8
BG-57F	110N-49W-26CCCC	04/07/87	-10.6
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BG-57F	110N-49W-26CCCC	06/05/87	-10.9
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BG-57F	110N-49W-26CCCC	07/17/87	-11.3
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BG-57F	110N-49W-26CCCC	06/07/88	-12.5
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OBS_WELL	LOCATION	DATE	READING
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N= 166

8:52 WEDNESDAY, NOVEMBER 9, 1988 4

8:52 WEDNESDAY, NOVEMBER 9, 1988 5

[illegible]

NOTE: 12 OBS HAD MISSING VALUES OR WERE OUT OF RANGE 25 OBS HIDDEN

UQS0003 - END OF DATA SET

OBSERVATION WELL WATER LEVELS

OBS_WELL	LOCATION	DATE	READING
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12:01 TUESDAY, NOVEMBER 8, 1988 1

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BG-79D	110N-49W-29AAAA	07/31/85	-7.2

OBSERVATION WELL WATER LEVELS

OBS_WELL	LOCATION	DATE	READING
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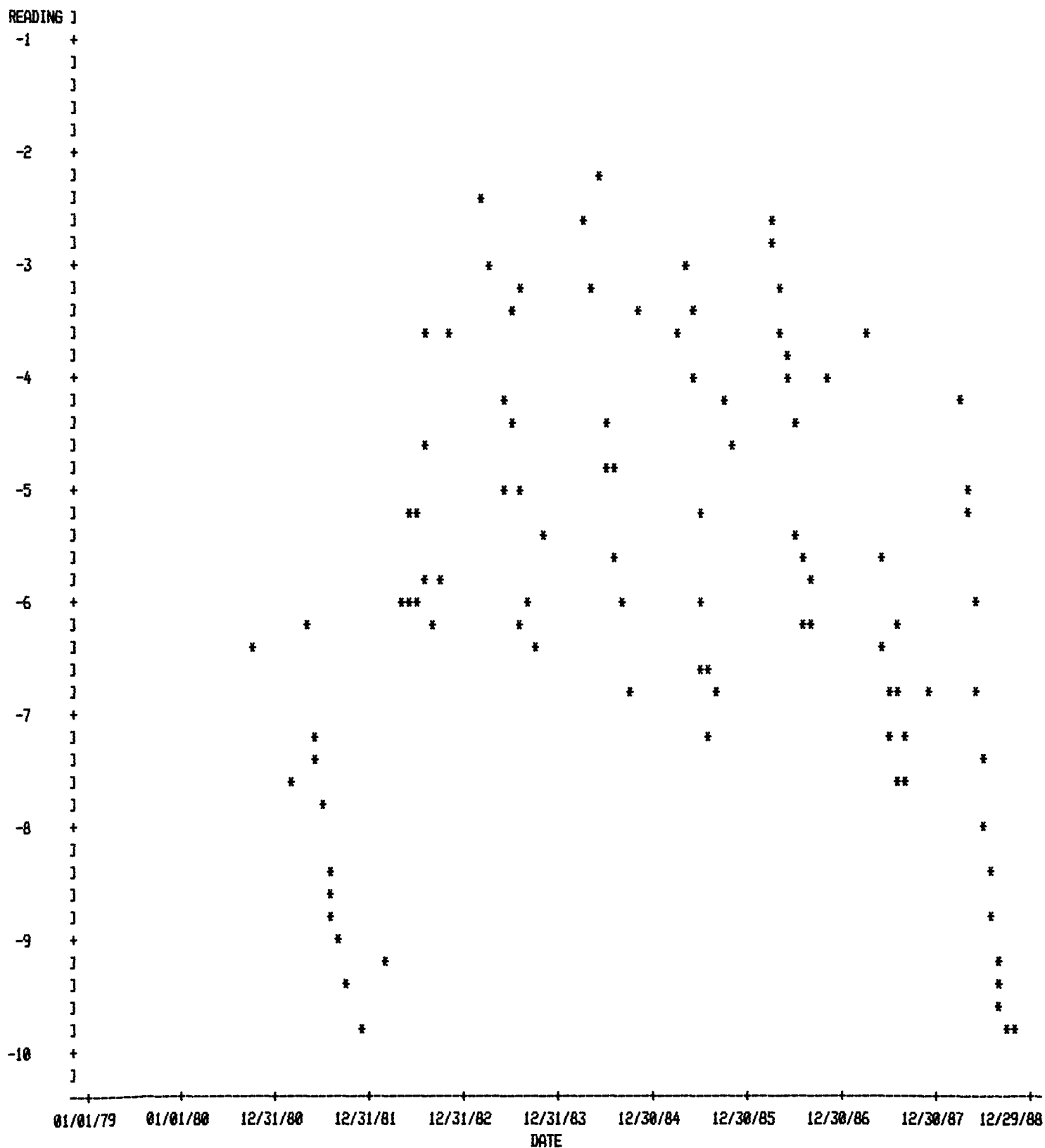
12:01 TUESDAY, NOVEMBER 8, 1988 2

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BG-79D	110N-49W-29AAAA	09/03/86	-6.2
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OBSERVATION WELL WATER LEVELS
OBS_WELL=BG-79D

12:01 TUESDAY, NOVEMBER 8, 1988 3

PLOT OF READING*DATE SYMBOL USED IS *



UGS0009 - END OF DATA SET

C)type a:bg79d e

C)type a:bg79e

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STED OPERATION COMPLETE

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BG-79E		110N-49W-22AAAA	09/27/82	-14.7
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OBSERVATION WELL WATER LEVELS

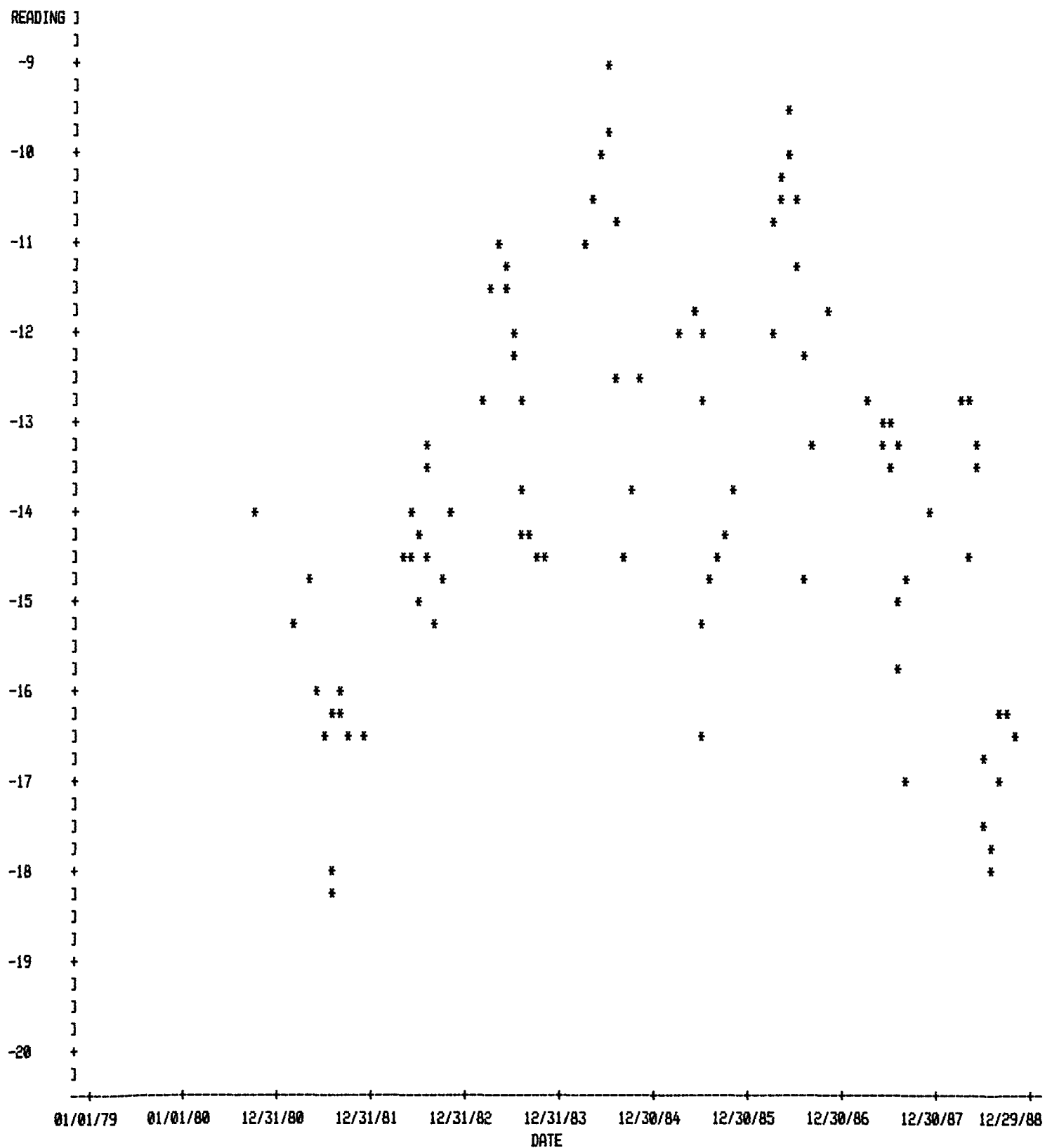
9:24 TUESDAY, NOVEMBER 8, 1988 2

OBS_WELL	LOCATION	DATE	READING
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B6-79E	110N-49W-22AAAA	08/08/86	-14.7
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B6-79E	110N-49W-22AAAA	09/03/86	-13.3
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B6-79E	110N-49W-22AAAA	06/20/88	-16.8
B6-79E	110N-49W-22AAAA	07/08/88	-17.4
B6-79E	110N-49W-22AAAA	07/19/88	-18.1
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OBSERVATION WELL WATER LEVELS
OBS_WELL=BG-79E

9:24 TUESDAY, NOVEMBER 8, 1988 3

PLOT OF READING*DATE SYMBOL USED IS *



NOTE: 1 OBS HAD MISSING VALUES OR WERE OUT OF RANGE 4 OBS HIDDEN

UQS0009 - END OF DATA SET

RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 5241-3, Darrel Pahl

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. 5241-3, Darrel Pahl, RR 3, Box 156, Brookings SD.

The Chief Engineer is recommending APPROVAL of Application No. 5241-3 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) 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 the attached report for additional information.



JOHN HATCH, Chief Engineer
November 3, 1988

NOTE: This recommendation was prepared prior to receiving formal approval of a Soil-Water Compatibility Application (SWCA) to avoid delaying Water Permit Application No. 5241-3 until the March 1 and 2, 1989 Water Management Board Meeting. The Department of Agriculture has advised verbally that the Department will approve the required SWCA pursuant to SDCL 46-5-6.5. However, until the approval is reviewed by the Conservation Commission at its regular November 10, 1988 meeting based upon Commission policy to review all Department disapprovals or approvals of SWCA pursuant to SDCL 46-5-6.6, the Soil-Water Compatibility Permit will not be issued. If the Conservation Commission does not concur with the Department's approval, Application No. 5241-3 will be deleted from the December 7 and 8, 1988 agenda. Mr. Pahl is aware that his application is subject to removal from the Water Management Board Meeting agenda.



Department of Water & Natural Resources

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

November 3, 1988

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

Darrel Pahl
RR 3, Box 156
Brookings SD 57006

Dear Mr. Pahl:

Your Application No. 5241-3 for a permit to appropriate water for irrigation use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice of your intent to appropriate water has been sent to the Publisher of the Brookings Daily Register printed at Brookings SD. For your information, a copy of the notice is enclosed. The recommendation of the Chief Engineer and a report on the application will be sent later. 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 Intent to Appropriate Water 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. We must receive Proof of Publication before the application can be considered by the Water Management Board.

Sincerely,

Ron Duvall
Natural Resources Engineer
605 773-3352

enclosures





Department of Water & Natural Resources

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

November 3, 1988

Brookings Daily Register
Box 177
Brookings SD 57006

Dear Sir:

Enclosed is a Notice of Hearing on Application No. 5241-3 to be published twice. Please publish the first notice on or before November 9, 1988 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 Darrel Pahl, RR 3, Box 156, Brookings SD 57006.

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. The permit application cannot be considered by the Water Management Board until proof of publication has been received.

Sincerely,

Ron Duvall
Natural Resources Engineer
605 773-3352

enclosures

FIRST TRANSMITTAL NOTICE

No. _____

CUT HERE

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

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 or before November 9, 1988 with 2nd publication 7 days later. The applicant is responsible for payment.

NOTICE OF HEARING on Application No. 5241-3 to Appropriate Water

Notice is given that Darrel Pahl, RR 3, Box 156, Brookings SD 57006 has filed an application for a water permit to appropriate 1.91 cubic feet of water per second from one well (Big Sioux-Aurora Aquifer) approximately 50 feet deep to irrigate 134 acres. The well is to be located in the SE 1/4 NW 1/4 and the acreage to be irrigated in the NW 1/4; all in Section 27-T110N-R49W.

Pursuant to SDCL 46-2A-2, the Chief Engineer of the Water Rights Division recommends APPROVAL of Application No. 5241-3 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. This application will be considered by the Water Management Board in Room Dakota A, Howard Johnson, 3300 West Russell, Sioux Falls SD on December 7, 1988 at 10:00 am. 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 interested person that intends to participate in the hearing before the Board by presenting evidence or cross-examining witnesses according to SDCL 1-26, must file a written petition with BOTH the applicant and Chief Engineer by November 25, 1988. The Chief Engineer's address is "Water Rights Division, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)". 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 legal counsel if legal counsel is obtained. The applicant need not file a petition. Contact the Water Rights Division to request information on this application or to assure access to the hearing by the handicapped.

This hearing is an adversary proceeding. Any person filing a petition and/or the applicant have the right to be represented by a lawyer. 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. The time of the hearing will also be automatically delayed for at least twenty days upon written request to the Chief Engineer from the applicant or a petitioner. The request for a delay must be received by November 25, 1988.

This application is made pursuant to SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-15; 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; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15.

No. _____

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Brookings) ss.

I, Rob James hereby

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

Water was taken from the Brookings Daily Register

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 Brookings

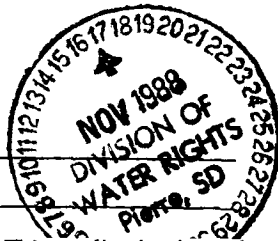
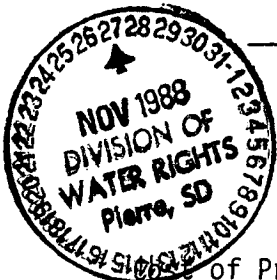
County of Brookings and State of South Dakota;
that the said notice was published in said newspaper on the following
two dates:

November 9, 1988

November 16, 1988

Rob James
(Signature)
Publisher
(Title)

(Date Signed)



Cost of Printing: \$38.25

This application is made pursuant
to SDCL 46-1-1 thru 46-1-9, 46-1-12
thru 46-1-15; 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;
and Board Rules ARSD 74:02:01:01
thru 74:02:01:15.

Legal 627, 2x, Nov. 9,16

NOTICE OF HEARING on
Application No. 5241-3 to
Appropriate Water

Notice is given that Darrel Pahl,
RR 3, Box 156, Brookings SD 57006
has filed an application for a water
permit to appropriate 1.91 cubic feet
of water per second from one well
(Big Sioux-Aurora Aquifer)
approximately 50 feet deep to
irrigate 134 acres. The well is to be
located in the SE 1/4 NW 1/4 and
the acreage to be irrigated in the
NW 1/4; all in Section 27-T11ON-
R49W.

Pursuant to SDCL 46-2A-2, the
Chief Engineer of the Water Rights
Division recommends APPROVAL
of Application No. 5241-3 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. This application
will be considered by the Water
Management Board in Room
Dakota A, Howard Johnson, 3300
West Russell, Sioux Falls SD on
December 7, 1988 at 10:00 am. 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 interested person that
intends to participate in the hearing
before the Board by presenting
evidence or cross-examining
witnesses according to SDCL 1-26,
must file a written petition with
BOTH the applicant and Chief
Engineer by November 25, 1988.
The Chief Engineer's address is
"Water Rights Division, Foss
Building, 523 E Capitol, Pierre SD
57501 (605 773-3352)". 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 legal counsel if
legal counsel is obtained. The
applicant need not file a petition.
Contact the Water Rights Division
to request information on this
application or to assure access to the
hearing by the handicapped.

This hearing is an adversary
proceeding. Any person filing a
petition and/or the applicant have
the right to be represented by a
lawyer. 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. The time of the
hearing will also be automatically
delayed for at least twenty days
upon written request to the Chief
Engineer from the applicant or a
petitioner. The request for a delay
must be received by November 25,
1988.



Department of Water & Natural Resources

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

November 10, 1988

Darrel Pahl
RR 3, Box 156
Brookings SD 57006

Dear Mr. Pahl:

Enclosed is the Report, Chief Engineer's recommendation and receipt of payment for your Water Permit Application No. 5241-3.

Sincerely,

KAREN SCHLAAK
Senior Secretary
605-773-3352

enclosures





Department of Water & Natural Resources

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

MAR 10 1989

Darrel Pahl
RR 3, Box 156
Brookings, SD 57006

Dear Mr. Pahl:

Enclosed is Water Permit No. 5241-3 as approved by the Water Management Board authorizing you to construct your water diversion system and put the water to beneficial use, not exceeding the limits as specified in Water Permit No. 5241-3.

Also enclosed is Form 10, Notice of Completion of Works and Application of Water to Beneficial Use, which you are to complete and submit to the Chief Engineer when you have completed the system and/or have put the water to beneficial use. An inspection can then be scheduled so that the Water License may be issued, thus completing your acquisition of a Water Right.

Very truly yours,

A handwritten signature in dark ink, appearing to read "John Hatch".

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

JH:mra

enclosure

PLEASE NOTE: Certain changes can be made in your permit within the five year construction period, usually without affecting the priority date provided an application to amend your permit is made within the five year period - i.e. changes in location or number of diversion points (wells) or location of land to be irrigated. Well locations for wells into the same aquifer can be moved up to 660 feet without application.

Applications to amend a permit after the five year construction period will be assigned a new priority date. Applications to change water sources, to add lands or increase original diversion rates, if approved will usually receive the date of the new application as a priority date regardless of the five year construction period.

Brookings

NOTICE OF COMPLETION OF WORKS AND
APPLICATION OF WATER TO BENEFICIAL USE

Date 8-18-89

TO: Water Rights Division, DWNH
Joe Foss Building
Pierre SD 57501-3181

FROM: DARREL PAHL Rt 3 BROOKINGS SD
name address city 57006

I have completed the construction of the water diversion system
and I have put the water to beneficial use to the maximum extent
it is going to be used. I have not exceeded the amounts
specified in Water Permit No. 5241-3

Water Permit No. _____ states that the diversion system is
to be constructed by _____, and that the water
it put to beneficial use by _____.

The diversion system was completed on may 15-1989
Applying the water to beneficial use was completed on may 15-1989

You may schedule an inspection so that the Water License may be
issued.

Darrel Pahl
signature

REPORT ON INSPECTION OF PERMIT NUMBER 5241-3

DATE 4/14/92

Other permit(s) associated with the project

DIVERSION POINT LEGAL LOCATION: FROM THE NW CORNER OF SECTION 27 T110N-R49W, 1995 FT SOUTH AN
1995 FEET EAST, (SE1/4 NW1/4)

WELL INFORMATION: Well Drilling Firm LACEY WELL DRILLING

No. of Wells 1 Depth(s) 55

- a) Casing: 1) diameter 12 inches 2) length 43 feet
3) type STEEL
- b) Screen: 1) type STAINLESS STEEL
2) length 12 feet
- c) Pump: 1) make WESTERN LAND ROLLER
2) model C74191
3) size 10 inches
4) capacity 750 GPM
5) turbine pump - No. of stages
6) operating pressure 35 PSI
- d) Static Water Level 19 feet
- e) Motor: 1) make GE
2) model No. 5K324DP60051
3) horsepower rating 40 hp

DISTRIBUTION LINES OR CANALS:

- a) type PVC b) size 8 inches c) length 1300 feet

System Type:

- a) Sideroll: 1) length feet
2) diameter of pipe inches
3) sprinkler spacing feet
- b) Towline: 1) length feet
2) sprinkler spacing feet
- c) Siphons: 1) size inches
2) number
- d) Gated pipe: 1) length feet
2) diameter inches
3) spacing of gates inches
- e) Center pivot: 1) make VALLEY
2) overall length 1280 feet
3) number of towers 7
4) distance between towers feet
5) end gun Y (Y/N)
6) high or low pressure HIGH
7) capacity 750 GPM
- f) Gun: 1) make
2) nozzle size inches
3) capacity GPM
4) hose size inches
5) hose length feet

CHEMIGATION EQUIPMENT:

- b) main line check valve Y (Y/N)
- d) low pressure drain Y (Y/N)
- f) interlock type ELECTRIC
- h) injection check valve Y (Y/N)
- j) all chemigation equipment appears to be installed in the proper position and complies with chemigation laws and rules Y (Y/N)
- k) comments :
- a) does chemigate Y (Y/N)
- c) inspection port/air relief Y (Y/N)
- e) discharge is 20' from source Y (Y/N)
- g) injection pump type PISTON
- i) injection line check valve or positive displacement pump Y (Y/N)

PERMIT QUALIFICATIONS AND REGULATIONS:

- a) Soil and water permit lands agree with lands being irrigated and lands listed on permit Y (Y/N)
- b) Special qualifications to permit being abided by Y (Y/N)
- c) All structures, wells and lands on map Y (Y/N)
- d) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period Y (Y/N)

Permit No. 5241-3

BIG SIOUX RIVER Water District

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

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

I have this day made a thorough examination of the water use system constructed by DARREL PAHL of RR 3 BOX 156, BROOKINGS, SD holder of Permit No. 5241-3, bearing the priority of OCTOBER 31, 1988 authorizing the diversion of 1.91 cu. ft. per second of the waters of GROUNDWATER for IRRIGATION purposes, in BROOKINGS County.

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

A. Works used to divert the water:

A 10 inch WESTERN LAND ROLLER PUMP WITH A 750 GPM CAPACITY

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

1300 foot OF 8 inch PVC PIPE

C. Works used to apply water to beneficial use:

A 1280 foot VALLEY CENTER PIVOT WITH END GUN

The system is in the following condition GOOD. The point of diversion is located FROM THE NW CORNER OF SECTION 27 T110N-R49W, 1995 feet SOUTH AND 1995 feet EAST (SE1/4 NW1/4). The works are capable of diverting and conveying to the place of use 1.67 cu. ft. per second of water which is to be used for IRRIGATION. Water has been put to beneficial use to the maximum extent as follows:

ALL LAND LOCATED IN SECTION 27 T110N-R49W:

NW1/4 NW1/4 - 33.5 ac NE1/4 NW1/4 - 33.5 ac

SE1/4 NW1/4 - 33.5 ac SW1/4 NW1/4 - 33.5 ac

comprising a total of 134 acres of land and the license should be issued for 1.67 cfs.

Applicable permit qualifications have been complied with X Yes No

Exceptions to compliance are: NONE Date 4/14/1992



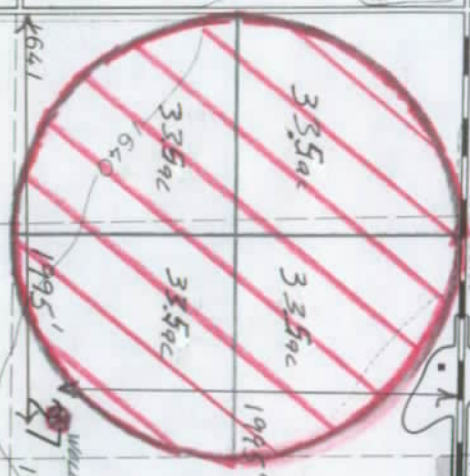
Mark D. Rath
Natural Resources Engineer II
DENR, Water Rights Division

T110N-R49W

14

Gravel Pits

Gravel Pit



Handwritten signature

Western Resources East Division of Western Resources
4/21/92

26

34

35

5241-3



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

June 30, 1992

5241-3

Darrel Pahl
RR 3, Box 156
Brookings, SD 57006

Dear Mr. Pahl:

The inspection of your water use system and the inspection of the extent of application of water to beneficial use, as developed under Water Permit No. 5241-3, has been completed. Your final water right document, the Water License, can now be issued.

Statutes require that we charge a \$50.00 fee for the inspection and issuance of the Water License. Upon receipt of the \$50.00 fee from you, we will begin processing your Water License.

South Dakota Water Law 46-5-30.1 requires that a permit holder may not divert water until the \$50.00 license fee has been paid. Please contact us if you have any questions.

Sincerely,

Cheryl F. Frost
Secretary
Water Rights Division
(605) 773-3352

NOTE: On check or money order, please specify your permit number.
This will insure proper handling of the fee.

RECEIPT

Division of Water Rights

South Dakota Department of Water and Natural Resources

413298

Pierre, July 13, 19 92

RECEIVED OF Homes by Len Santema (Darrel Pahl) 101 Main Ave, Brookings, SD 57006
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. <u>5241-3</u>	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

Chief Engineer

John Hatch

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 5241-3

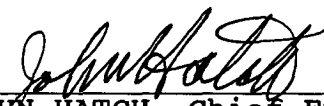
(1) Darrel Pahl of RR 3, Box 156, Brookings, SD 57006 made Application No. 5241-3, October 31, 1988 for a water permit to appropriate 1.91 cubic feet of water per second from groundwater (one well), Brookings County, South Dakota for irrigation purposes. Permit No. 5241-3 with a priority date of October 31, 1988 was approved December 8, 1988 and issued to applicant(s) for diversion of water with construction of the described water supply system to be completed on or before December 8, 1993 and for the application to beneficial use of said water on or before December 8, 1997. On August 18, 1989, the permit holder submitted a "Notice of Completion of Works and Application of Water to Beneficial Use" which stated the diversion system was constructed May 15, 1989.

(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 1.67 cubic feet of water per second for beneficial use. The location of the diversion point is: 1995'S and 1995'E of the NW corner of Section 27, T110N, R49W (SE 1/4 NW 1/4).

(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:

T110N, R49W Section 27	NW 1/4 NW 1/4	33.5 Acres
	SE 1/4 NW 1/4	33.5 Acres
	NE 1/4 NW 1/4	33.5 Acres
	SW 1/4 NW 1/4	33.5 Acres
	Total-----	134.0 Acres

(4) Pursuant to Section 46-5-30.1 Darrel Pahl of RR 3, Box 156, Brookings, SD 57006 the holder(s) and/or owner(s) of Water Permit No. 5241-3 is issued a license to appropriate water, the right to use 1.67 cubic feet of water per second from groundwater (one well) with a priority date of October 31, 1988 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 Water Permit No. 5241-3 and subject to South Dakota State Law.

 AUG 6 1992
JOHN HATCH, Chief Engineer
Water Rights Division
Department of Environment and
Natural Resources



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

AUG 6 1992

5241-3

Darrel Pahl
RR 3, Box 156
Brookings, SD 57006

Dear Mr. Pahl:

Enclosed is Water License No. 5241-3. This is the final water right document completing your process of obtaining a Water Right. Enclosed is Receipt No. 413298 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. 5241-3, 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



**DEPARTMENT OF ENVIRONMENT
and NATURAL RESOURCES**

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



October 28, 2014

5241-3

Darrell Pahl
1338 Trail Ridge Circle
Brookings SD 57006 3636

Dear Mr. Pahl:

Enclosed is a "Notice" dated October 17, 2014 concerning the 2014 irrigation questionnaire.

The notice was originally mailed to 21248 475th Ave, Aurora SD. The post office notified us that your address has changed and I will update our records accordingly.

If you have any questions, please contact me.

Sincerely,

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

enclosures



**DEPARTMENT OF ENVIRONMENT
and NATURAL RESOURCES**

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



November 3, 2014

5241-3

Doris Pahl
1338 Trail Ridge Circle
Brookings SD 57006

Dear Mrs. Pahl:

Thank you for calling concerning the ownership change needed for Water Right No. 5241-3.

Enclosed is a partially completed Notice of Transfer of Ownership form for filing an ownership change. Upon completion, please sign the form and return it to our office with a required filing fee of \$50.00. The check or money order for the fee can be made payable to the Water Rights Program.

If you have any questions, please let me know.

Sincerely,

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

enclosure

RECEIVED

NOV 12 2014

WATER RIGHTS
PROGRAM

NOTICE OF TRANSFER OF OWNERSHIP

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

No. 5241-3

Date: _____

I/We request that Water Right No. 5241-3

formerly owned by: Darrell Pahl

be transferred to: (name & address) DORIS JEAN PAHL
1338- TRAIL RIDGE CIRCLE
BROOKINGS, SD. 57006 Telephone No. 605-692-1050

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

134 acres – NW ¼ Section 27, T110N, R49W

I/We understand that the validity of Water Right No. 5241-3 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 Fifty Dollars (\$50.00) is required to cover the filing fees as required under SDCL 46-2-13. This form must be signed by the new owner.

I/We, DORIS JEAN PAHL, the new owner, certify that the above information is true and correct.

Doris Jean Pahl
(Signed by new owner)

NOTE: Water permits may be cancelled for nonconstruction after the five year construction period has expired. 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.

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 11/12, 20 14

RECEIVED OF Doris Jean Pahl 1338 Trail Ridge Cr Brookings SD 57006

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

Fee for Application for Permit No. _____ to Appropriate Water, to construct and to put water to beneficial use	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 <u>5241-3</u>		
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. _____	50 00	
Fee for Renewal of Well Pump Installer's License No. _____ for C.Y. _____		
(Any Other Work Provided by Law)	TOTAL	50 00

No. **06983**

By Jane L. Lanning
Chief Engineer



**DEPARTMENT OF ENVIRONMENT
and NATURAL RESOURCES**

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



November 13, 2014

5241-3

Doris Pahl
1338 Trail Ridge Circle
Brookings SD 57006

Dear Mrs. Pahl:

I am writing to acknowledge receipt of the transfer form and filing fee you submitted for changing ownership on Water Right No. 5241-3.

The ownership change has been completed. Water Right No. 5241-3 formerly held by Darrell Pahl is now listed in your name.

Enclosed for your records is Receipt No. 06983 in the amount of \$50 which you paid for filing the ownership change. If you have any questions, please let me know.

Sincerely,

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

enclosure



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

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

October 29, 2024

5241-3

Doris Jean Paul
5300 HWY A1A, Apt # 212
Vero Beach FL 32963-1103

Dear Ms. Paul:

Enclosed is a "Notice" dated October 23, 2024, concerning the 2024 Irrigation Questionnaire.

The notice was originally mailed to 1338 Trail Ridge Circle, Brookings SD 57006. The post office notified our office that your address has changed, and your records have been updated accordingly.

This is a time sensitive matter. Please complete and return the enclosed questionnaires or submit your reports online at <https://danr.sd.gov/iq/> using this password *MZJHOT*.

If this change of address is in-correct, please contact our office immediately to update your contact information.

Sincerely,

Amanda Dewell
Permitting Administrator
Water Rights Program
605 773-3352
Amanda.Dewell@state.sd.us

enclosures

RETURN TO SENDER 114102410010/23/24
PAHL DORIS JEAN
5300 HIGHWAY A1A APT 212
VERO BEACH FL 32963-1103

RETURN TO SENDER

