

2918A-3

Considered: _____

WATER PERMIT NO. 2918A-3

Phone: 428-3956

Name of Applicant: Robert Dessen

Post Office Address: RR 2, Dell Rapids SD 57022

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

Source of Water Supply: groundwater (five wells - two add'l)

Water to be used for: irrigation County: Minnehaha

About 5 miles east of Dell Rapids

PROOF OF PUBLICATION: Received _____ Not Received _____

APPLICATION: Approved _____ Subject to _____

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

PRIORITY Date Received: 9-1-92 Fee: \$50.00 Remarks _____

Corrected Application Received 9-8-92 Period of Annual Use April 1 - Nov 30

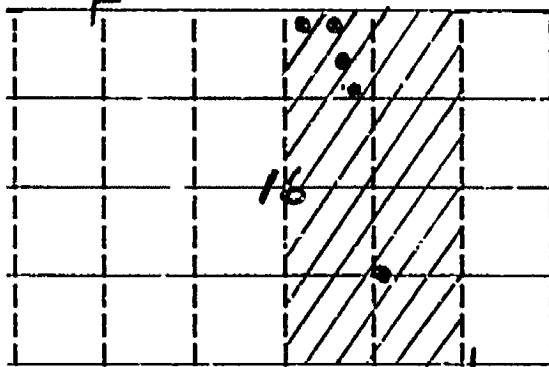
WATER QUALITY APPROVAL RECEIVED _____ APPROVED/CONDITIONAL (Circle one)

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

Diversion Point: NW 1/4 NE 1/4 and SW 1/4 SE 1/4

Sec 16-T104N-R50W

Land to be Irrigated: E 1/2 Sec 16-T104N-R50W



Well Log: Driller: Lacey Well Drilling Licensed YES X NO _____

Depth of Well: 29' to 43' REMARKS _____

Type of Map: aerial PREPARED BY: Greg Johnston Reviewed and the Number

Assigned on 9-9-92 By Karen Schlaak

**DIVISION OF WATER RIGHT NO. 2918A-3
INTO NO. 2918B-3 AND 2918C-3**

Water Right No. 2918A-3, owned by Robert Dressen, was licensed June 11, 1993 for diversion of 3.56 cubic feet of water per second (cfs) from five wells to irrigate 301 acres in the E 1/2 of Section 16, T104N, R50W.

On June 13, 1995, a transfer of ownership was received, transferring the SE 1/4 of Section 16 to Mary C or Leonard Dressen. Robert Dressen retains ownership of the NE 1/4 Section 16.

Water Right No. 2918A-3 is divided and reissued as follows:

No. 2918B-3, Mary C Dressen or Leonard Dressen:

irrigation of 154 acres in the SE 1/4 Section 16, T104N, R50W with diversion of 1.78 cfs from Well #5 located in the approximate center of the SE 1/4 of Section 16.

No. 2918C-3, Robert Dressen:

irrigation of 147 acres in the NE 1/4 Section 16, T104N, R50W with diversion of 1.78 cfs from Wells #1 thru #4 located in the NW 1/4 NE 1/4 of Section 16.

The reissued water rights will be subject to any limitations or qualifications listed in Water Right No. 2918A-3.

STATE OF SOUTH DAKOTA
WATER LICENSE NO. 2918A-3

(1) Robert Dressen of RR #2 Box 76, Dell Rapids, SD 57022 made Application No. 2918A-3, September 1, 1992 for a water permit to appropriate no additional cubic feet of water per second from groundwater (two additional wells), Minnehaha County, South Dakota for Irrigation purposes. Permit No. 2918A-3, with a priority date of August 4, 1976 was approved December 2, 1992 and issued to the applicant for diversion of water with construction of the described water supply system completed and the application to beneficial use of said water completed.

Water Permit No. 2918A-3 authorized two additional wells and corrected the location of an existing well developed under Permit No. 2918-3. No. 2918A-3 did not authorize an increase in the developed diversion rate or number of acres being irrigated.

The applicable portions of Water Permit No. 2918-3 are incorporated into Water License No. 2918A-3. A priority date of August 4, 1976 is retained.

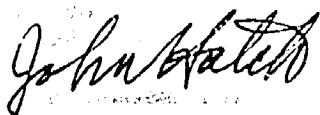
(2) It is certified that the applicant has complied with the provisions of South Dakota State Law relating to completion of the construction of the water supply system and is entitled to divert 3.56 cubic feet of water per second for beneficial use. The location of the diversion points are: Well #1 - 2.436'W and 65'S of the NE corner; Well #2 - 1.827'W and 130'S of the NE corner; Well #3 - 1.784'W and 696'S of the NE corner; Well #4 - 1.520'W and 1,315'S of the NE corner; and Well #5 - 1,270'W and 1,320'N of the SE corner; all in Section 16, T104N, R50W (Wells 1-4 are in the NW 1/4 NE 1/4, Well # 5 is in the approximate center of the SE 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:

T104N, R50W	Section 16	NW 1/4 NE 1/4	38 acres	
		SW 1/4 NE 1/4	40 acres	
		NE 1/4 NE 1/4	36 acres	
		SE 1/4 NE 1/4	33 acres	
		NW 1/4 SE 1/4	39 acres	
		SW 1/4 SE 1/4	38 acres	
		NE 1/4 SE 1/4	39 acres	
		SE 1/4 SE 1/4	38 acres	
		Total	301 acres	

WATER LICENSE NO. 2918A-3
ROBERT DRESSEN
PAGE 2

(4) Pursuant to South Dakota Water Law 46-5-30.1 Robert Dressen of RR #2 Box 76, Dell Rapids, SD 57022 the holder and/or owner of Incorporated Water Permit No. 2918A-3 is issued a license to appropriate water, the right to use 3.56 cubic feet of water per second from groundwater (5 wells) with a priority date of August 4, 1976 from the location specified in (2) of this license. The water 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. 2918A-3 and subject to South Dakota State Law.



JUN 11 1993

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

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

(See Instructions)

No. 2918A-3 Hydrologic Unit 10170203
Basin Big Sioux River
Newspaper Dell Rapids Tribune, Box 99 57022

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 _____

1. Name of Applicant Robert Dressen Phone No. 428-3956
Post Office Address RR 2, Dell Rapids State South Dakota Zip Code 57022

2. Amount of water claimed (c.f.s.) 3.56 (As Inspected) Total acres irrigated 301 (As Inspected)

3. Source of Water supply Big Sioux Aquifer-Middle Skunk Creek Unit

4. Location of point of diversion Five - 2436'W and 65'S of NE corner, 1827'W and 130' S of NE corner
1784'W and 696'S of NE corner, 1520'W and 1315' S of NE corner and 1270'W and 1320'W
of SE corner; all in Section 16-T104N-R50W County Minnehaha

5. Counties where water will be used Minnehaha

6. Annual period during which water is to be used April-November 30

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.
NE1/4 NE1/4 16-T104N-R50W	38
SW1/4 NE1/4 " "	40
NE1/4 NE1/4 " "	36
SE1/4 NE1/4 " "	33

Land Description	No. Acres Irr.
NE1/4 SE1/4 16-T104N-R50W	39
SW1/4 SE1/4 " "	38
NE1/4 SE1/4 " "	35
SE1/4 SE1/4 " "	38

Attach sheet if more space is needed

8. Type of Irrigation: Gravity: _____ Towline: _____ Center Pivot: X (2) Gun: _____ Other: _____ (Specify) _____

9. Crops to be Irrigated: _____

10. Give a description of proposed project. (Attach sheet if more space is needed)

Presently irrigating with four of five wells on 301 acres in E1/2 of Section 16-T104N-R50W, Minnehaha County, SD. Uses a 7 Tower Valley Corner Pivot System on NE1/4 of Section 16 and a 9 Tower Corner Pivot System on SE1/4 of Section 16. 800 GPH each.

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

STATE OF SOUTH DAKOTA)
County of Minnehaha) ss

I, Robert F. Dressen, 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 Robert F. Dressen

Subscribed and sworn to before me this 24th day of August 1992

James A. Anderson
JAMES A. ANDERSON
Notary Public, Minnehaha County
My Commission Expires February 9, 1996



Report on Application No. 2918A-3

Robert Dressen

October 16, 1992

Water Application No. 2918A-3 proposes to permit two additional wells to irrigate acreage authorized by Water Permit No. 2918-3 and to correct the location of an existing well. Permit No. 2918-3 appropriates 6.52 cubic feet of water per second (cfs) from three wells located in the NW1/4 NE1/4, NW1/4 SE1/4 and SW1/4 SE1/4 Section 16 to irrigate 457 acres located in the E1/2 Section 16 and NW1/4 Section 22; all in T104N-R50W. An inspection of this permit found 5 wells 29 to 43 feet deep (completed into the Big Sioux-Middle Skunk Creek Aquifer) diverting 3.56 cfs to irrigate 301 acres in the E1/2 Section 16-T104N-R50W. The irrigation of the land in Section 22-T104N-R50W was not developed. The correct location of the well which was to be located in the SW1/4 SE1/4 of Section 16 is the NW1/4 NE1/4 Section 16-T104N-R50W. The two additional wells are located in the NW1/4 NE1/4 Section 16; all in T104N-R50W. No increase in the developed diversion rate or number of acres being irrigated is authorized by this application.

Aquifer - Big Sioux-Middle Skunk Creek (BS-MSC)

The Big Sioux-Middle Skunk Creek aquifer consists of mantled glacial outwash deposits containing poorly sorted sands and gravels with some interbedded clays and silts (Lindgren and Niehus, 1992). The aquifer is predominantly under water table conditions throughout Minnehaha County. The BS-MSC Aquifer underlies 18,300 acres and contains an estimated 41,180 acre-feet of recoverable water (HDR, 1991). The estimated recharge to the BS-MSC is 6 inches per year (Ohland, 1987) or 9,150 acre-feet per year. Recharge to the aquifer is from infiltration of precipitation in the flood plain of Skunk Creek and connecting tributaries. The Middle Skunk Creek Aquifer is hydraulically connected to both Skunk Creek and the West Branch of Skunk Creek. Depending upon the hydraulic gradient between the aquifer and the streams, water can migrate from the streams into the aquifer (losing stream condition) or from the aquifer to the streams (gaining stream condition). In general, gaining stream conditions prevail between the BS-MSC Aquifer and connected streams.

The Division of Water Rights monitors 7 observation wells completed into the Middle Skunk Creek Aquifer. Observation wells No. MA-57B and MA-78A are located approximately 1 mile south and west and 1 mile north, respectively, of the application diversion points. Hydrographs of these wells are attached to the report. Water levels fluctuated from 3 to 9 feet below the ground surface in No. MA-57B and 6 to 15 feet below the ground surface in No. MA-78A during extremely wet (1982 and 1986) and dry (1962, 1976, 1981 and 1990) periods. The hydrographs reflect annual

fluctuations in water levels as a result of seasonal climatic changes. The effects of extensive drawdown from pumping wells is not apparent on the hydrographs of MA-57B and MA-78A.

Existing Water Rights

The Division of Water Rights has records of 23 domestic wells completed into the BS-MSC Aquifer. As of October 15, 1992, there were 14 water permits/rights authorized to appropriate water from the BS-MSC Unit in Minnehaha County (Water Rights Division, 1992). The water rights/permits issued include 8 irrigation, 5 municipal and 1 future use. Water rights/permits to appropriate water from the BS-MSC represent a total combined diversion rate of 32.64 cubic feet of water per second (cfs). Municipal permits/rights may divert up to 4817 acre-feet per year. Irrigation rights/permits authorize irrigation of 1224 acres (the maximum total diversion allowed by law is - 2 acre-feet per acre per year for permits/rights approved after June 30, 1978, and 3 acre-feet per acre per year for prior permits/rights). Actual reported irrigation use has been:

Pumpage Reported (1991) from the BS-MSC in Minnehaha County = 460.00 acre-feet

Future use permit No. 5522-3 reserved 5000 acre-feet for the city of Sioux Falls. 4817 acre-feet has been permitted for municipal use in Sioux Falls; therefore, the remaining Future Use reserve on Permit 5522-3 is 183 acre-feet.

Actual or permitted use, estimated use, plus the acre-feet reserved for future use total $460 + 4817 + 183 = 5460$ acre-feet.

There have been no complaints of interference from permit holders presently pumping water or any other irrigators or domestic users in the vicinity of the application area since the time that Permit No. 2918-3 was approved (March 29, 1978). Permit No. 2918A-3 lies adjacent to the geographical boundaries of Future Use Permit No. 5522-3 for the city of Sioux Falls which appropriates 5000 acre-feet of water, of which, 4817 acre-feet has been permitted for municipal use. Permit No. 2918A-3, if approved, may be subject to reduction of withdrawals, if pumping of the wells under this permit adversely impair adequate domestic or adequate wells having prior right.

Conclusions:

- 1) Water is available from the BS-MSC aquifer. The total estimated, actual and reserved water use is 5460 acre-feet and the estimated recharge is 9,150 acre-feet in the BS-MSC. In addition, there appears to be no significant drawdown in the aquifer in the vicinity of observation wells No. MA-57B and MA-78A.

- 2) Interference is not a problem - existing water rights will not be unlawfully impaired.
- 3) It is a beneficial use of water.
- 4) This permit, if approved, may be subject to reduction of withdrawal if adequate domestic or prior rights are adversely impacted.
- 5) The 5 wells were completed in accordance to SD Well Construction Standards.

Gregory C Johnston/gmk

Gregory C. Johnston
Natural Resources Engineer II

Approved by:

James A Goodman

James A. Goodman, P.E.
Natural Resources Engineer IV

BIBLIOGRAPHY

HDR Engineering, Inc. 1991, Middle Skunk Creek Aquifer Study, prepared for the city of Sioux Falls South Dakota

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

Lindgren, R.J., Niehus, C.A., Water Resources of Minnehaha County, South Dakota, USGS Water Resources Investigations Report 91-4101

Ohland, G.L., 1990, Appraisal of the Water Resources of the Skunk Creek Aquifer in Minnehaha County, SD, USGS Water Resources Investigations Report 87-4156

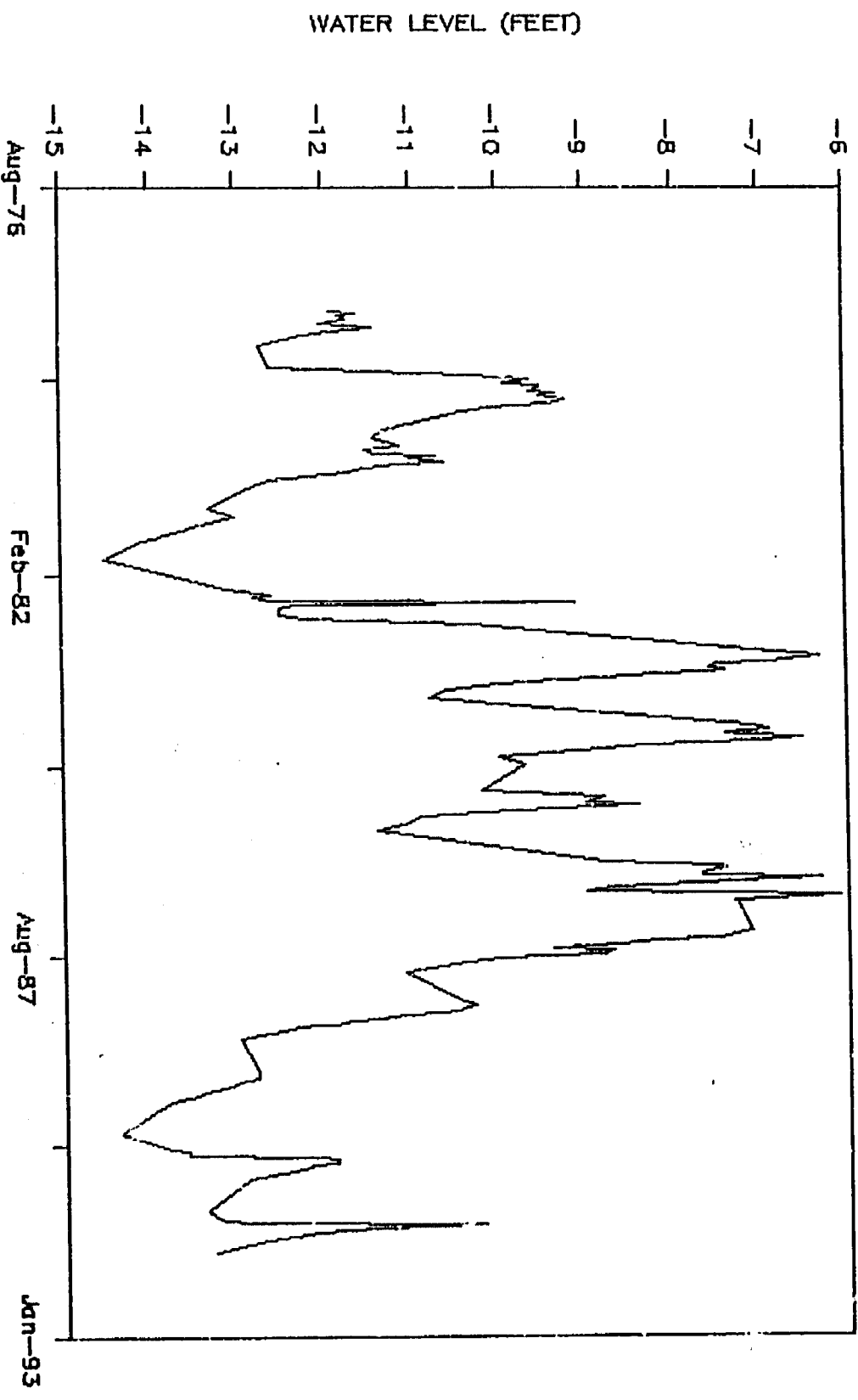
Water Rights Division, 1992, 1991 Irrigation Summary by Aquifer, DENR, Division of Water Rights, Joe Foss Building, Pierre, South Dakota 57501

Water Rights Division, 1992, Observation Well Files, MA-78D, DENR, Division of Water Rights, Joe Foss Building, Pierre. SD 57501

Water Rights Division, 1992, Water Permit Files, DENR, Division of Water Rights, Joe Foss Building, Pierre, South Dakota 57501

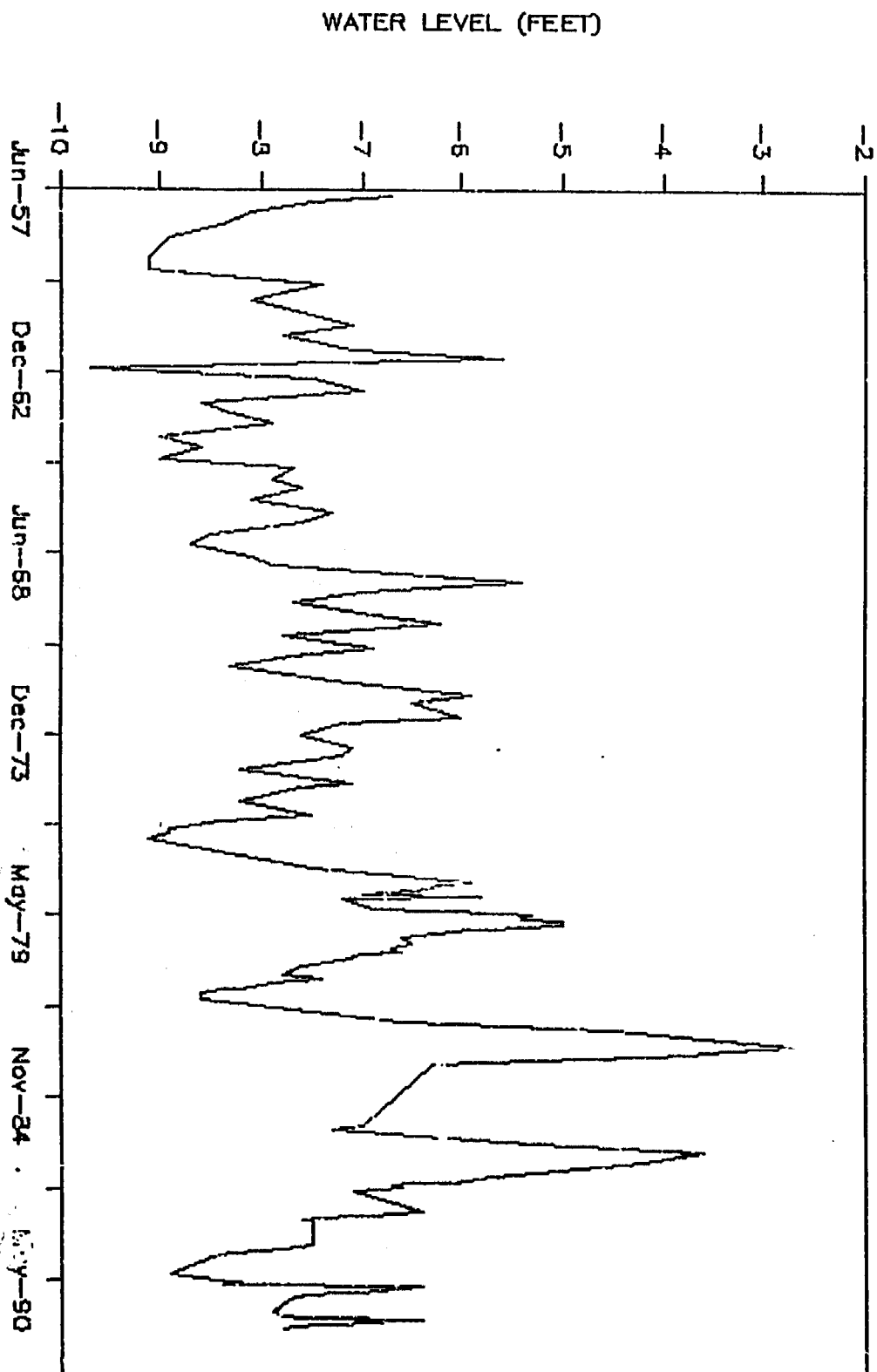
WATER RIGHTS OBSERVATION WELL

MA-78A



WATER RIGHTS OBSERVATION WELL

MA-57B



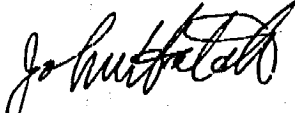
RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 2918-3, Robert Dressen

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Division, Department of Environment and Natural Resources concerning Water Permit Application No. 2918-3, Robert Dressen, RR 2 Box 76, Dell Rapids, SD 57022.

The Chief Engineer is recommending APPROVAL of Application No. 2918A-3 because 1) the proposed diversion has been developed without unlawful impairment of existing rights, 2) the proposed use is a beneficial use and 3) it is in the public interest with the following qualification:

The wells approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.

See report on application for additional information.



JOHN HATCH, Chief Engineer
October 28, 1992



DEPARTMENT of ENVIRONMENT
and 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.

October 29, 1992

Robert Dressen
RR 2
Dell Rapids, SD 57022

Dear Mr. Dressen:

Water Permit Application No. 2918A-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 Dell Rapids Tribune printed at Dell Rapids, SD (Ph # 428-5441). 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.

L



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

October 29, 1992

Dell Rapids Tribune
Box 99
Dell Rapids, SD 57022

ATTENTION: Legal Department

Enclosed is a Notice of Hearing on Application No. 2918A-3 to be published twice. Please publish the first notice on November 4, 1992, 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 Robert Dressen, RR 2, Dell Rapids, SD 57022 (Ph # 428-3956).

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
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

L

Instruction to Newspaper - Publish first Notice on November 4, 1992, with the second publication 7 days later. The applicant is responsible for payment.

**NOTICE OF HEARING on Application No. 2918A-3 to Appropriate Water
and to Amend Water Permit No. 2918-3**

Notice is given that Robert Dressen, RR 2, Dell Rapids, SD 57022 has filed an application for a water permit for two additional wells to irrigate acreage authorized by Water Permit No. 2918-3 and to correct the location of an existing well. Permit No. 2918-3 appropriates 6.52 cubic feet of water per second (cfs) from three wells located in the NW 1/4 NE 1/4, NW 1/4 SE 1/4 and SW 1/4 SE 1/4 Section 16 to irrigate 457 acres located in the E 1/2 Section 16 and NW 1/4 Section 22; all in T104N-R50W. An inspection of this permit found 5 wells 29 to 43 feet deep (Big Sioux-Middle Skunk Creek) diverting 3.56 cfs to irrigate 301 acres in the E 1/2 Section 16-T104N-R50W. The irrigation of the land in Section 22-T104N-R50W was not developed. The correct location of the well which was to be located in the SW 1/4 SE 1/4 of Section 16, is the NW 1/4 NE 1/4 Section 15; all in T104N-R50W. The two additional wells are located in the NW 1/4 NE 1/4 Section 16; all in T104N-R50W. No increase in the developed diversion rate or number of acres being irrigated is authorized by this application.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 2918A-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 November 23, 1992. 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.

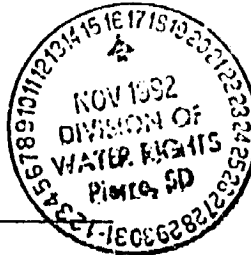
If a petition is filed opposing the application or the applicant files a petition contesting the chief engineer's recommendation, the Board will consider this application at 10:00 am, December 2, 1992, Floyd Matthew Training Center, Joe Foss Building, 523 East Capitol, Pierre, SD. If a hearing is held, 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. The December 2, 1992, 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 November 23, 1992.

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 Eric Gronlund by November 23, 1992, at the above Water Rights Division address to request copies of information pertaining to this application, to assure access to the hearing by the handicapped or to obtain an interpreter for the hearing impaired.

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, 46-2A-20, 46-2A-21; 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. Robert E. Roberts, Secretary, Department of Environment and Natural Resources.

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Minnehaha) ss.



I, Brenda Phelps

certify that the attached printed Notice was taken
from the Deer Rapids Tribune

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 Deer Rapids

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

Nov 4, 1992

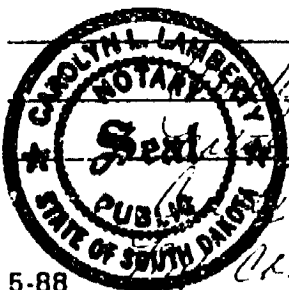
Nov 11, 1992

Brenda Phelps
(Signature)

Legal Secretary
(Title)

Nov 11, 1992
(Date Signed)

Cost of Printing: \$165.19



Carolyn L. Liberty
Notary Public in and for the
State of South Dakota
Commission expires 11-5-93.

NOTICE

NOTICE OF HEARING on
Application No. 2918A-3 to
Appropriate Water and to
Amend Water Permit No. 2918-
3

Notice is given that Robert Dressen,
RR 2, Deer Rapids, SD 57022 has filed
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The irrigation of the land in Section 22-
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diversion rate or number of acres being
irrigated is authorized by this
application.

Pursuant to SDCL 46-2A-2, the Chief
Engineer recommends APPROVAL of
Application No. 2918A-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
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permit as recommended. Petitions filed
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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 November
23, 1992. 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.

(over)

If a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation, the Board will consider this application at 10:00 a.m., December 2, 1992, Floyd Matthew Training Center, Joe Fort Building, 523 East Capitol, Pierre, SD. 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. The December 2, 1992, 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 November 23, 1992.

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 Eric Gronlund by November 23, 1992, at the above Water Rights Division address to request copies of information pertaining to this application, to assure access to the hearing by the handicapped or to obtain an interpreter for the hearing impaired.

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, 46-2A-20, 46-2A-21; 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.

Robert E. Roberts,
Secretary,
Department of Environment
and Natural Resources.



Permit No. 2918A-3

Big Sioux 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 Bob Dressen of RR 2, Dell Rapids, SD 57022 holder of Permit No. 2918-3, bearing the priority of August 4, 1976 authorizing the diversion of 6.52 cu. ft. per second of the waters of Big Sioux Aquifer - Middle Skunk Creek Unit for irrigation purposes, in Minnehaha County.

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

A. Works used to divert the water:

Five wells - 32.5, 31.31.2' and 43' deep, respectively; All contain 14" Stainless Steel casing 22.5, 23.23 and 18.5' in length, respectively (Well No. 5 is unknown); All contain 14" Johnson Stainless Steel .080 slot screen 10.8.8 and 10' in length, respectively (Well No. 5 is unknown); All Wells contain Western Land Roller pumps, Model Nos. 6-10CM (Nos. 1-3) and No. 8M3120H (Nos. 4 and 5); GE Motor No. 5K6237XM501B on Nos. 2 and 3 (Well No. 1 has no motor) and US Electric Motor No. 3267PWPI on Nos. 4 and 5; GE Motors are 40 HP, US Electric Motors are 50 HP; 400/600/500/400/800 GPM capacities, respectively.

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

608' of 6" PVC, 571' of 8" PVC and 200' of 4" PVC pipe

C. Works used to apply water to beneficial use:

2 Valley Systems - System on NE1/4 is Model No. 5171, 7 Tower Corner System, 1300' long with End Gun; System on the SE1/4 is Model No. 5179, 9 Tower Corner System 1300' long with End Gun; both systems High Pressure with Rain Bird Sprinklers, 800 GPM each

The system is in the following condition good. The point of diversion is located Well No. 1 - 2436'W and 65'S of NE corner, Well No. 2 - 1827'W and 130' S of NE corner, Well No. 3 - 1784'W and 696'S of NE corner, Well No. 4 - 1520'W and 1315'S of NE corner and Well No. 5 - 1270'W and 1320' N of SE corner; all in Section 16-T104N-R50W, Minnehaha County, SD.

The works are capable of diverting and conveying to the place of use 3.56 cu. ft. per

second of water which is to be used for irrigation. Water has been put to beneficial use to the maximum extent as follows:

Section 16-T104N-R50W:

NW1/4 NE1/4 - 38 acres

SW1/4 NE1/4 - 40 acres

NE1/4 NE1/4 - 36 acres

SE1/4 NE1/4 - 33 acres

NW1/4 SE1/4 - 39 acres

SW1/4 SE1/4 - 38 acres

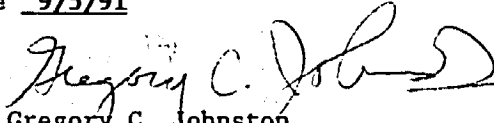
NE1/4 SE1/4 - 39 acres

SE1/4 SE1/4 - 38 acres

comprising a total of 301 acres of land and the license should be issued for 3.56 cfs.

Applicable permit qualifications have been complied with ☒ Yes ☐ No

Exceptions to compliance are: None Date 9/5/91


Gregory C. Johnston
Natural Resources Engineer
DENR, Water Rights Division

LICENSE FOR PERMIT NUMBER 2918A-3

1. Legal location of wells: 5 Wel's - Well #1 - 2436'W and 65'S of NE corner. Well #2 - 1827'W and 130'S of NE corner. Well #3 - 1784'W and 696'S of NE corner. Well #4 - 1520'W and 1315'S of NE corner and Well #5 - 1270'W and 1320'N of SE corner; all in Section 16-T104N-R50W, Minnehaha County, SD

Dams and Structures None

2. Well Information: Well Drilling Firm Lacey Well Drilling

Completion Report? Yes X No No. of Wells 5 Depth(s) 32.5/31/31/29/43 feet

Casing a) diameter 14 (all) inches Screen a) type 14" Johnson Stainless Steel .080 slot size

b) length 22.5/23/23/18.5/unknown feet b) length 10/3/8/10/Unknown feet

c) type Stainless Steel (all) Static Water Level 10.5/7/8/7/10 feet

Pump a) make Western Land Roller (all) Motor a) make Wells No. 2,3 are GE, Wells No. 4,5 are US Electric

b) model Nos.1,2,3 are 6-10CM; Nos.4,5 are 8M3120H b) model no. Nos.

2,3 are No. 5K6237XM501B; Nos.4,5 - 3267PWPI

c) size Nos.1,2,3 are 6"; Nos. 4,5 are 8" c) horsepower rating Nos

2,3 are 40 HP; Nos.4,5 are 50 HP

d) capacity 400/600/500/400/800 GPM d) serial no. Unknown

e) turbine pump - no. of stages All 3

f) operating PSI 20 (all)

4. System Type

a)gun:

b) center pivot:

1) make

1) make Both Valley

2) nozzle size

2) number of towers NE1/4 -7 Tower Corner

System Model No. 5171; SE1/4 - 9 Tower Corner System Model No. 5179

- | | |
|----------------------------|--|
| 3) capacity (GPM) | 3) distance between towers |
| 4) hose size inches | 4) overall length <u>1300</u> feet |
| 5) hose length feet | 5) end gun (Y/N) <u>Y (both)</u> |
| e) gated pipe: | 6) high or low pressure <u>High (both)</u> |
| 1) length feet | 7) make and size of nozzles: |
| 2) diameter inches | <u>Rain Bird (both)</u> |
| 3) spacing of gates inches | 8) capacity (GPM) <u>800 GPM each</u> |

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

- | 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:

South Dakota

GREAT FACES. GREAT PLACES.

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

November 6, 1991

Robert Dressen
RR 2
Dell Rapids, SD 57022

Dear Mr. Dressen:

Per our conversation today, I am writing in regards to your application for 3 additional diversion points on the lands you are irrigating in Section 16-104N-50W, Minnehaha County, SD.

Enclosed is a partially completed application form and a copy of the license map for permit No. 2918-3. Please complete the rest of the application and have it notarized. If there are any errors or discrepancies, please contact me. The 301 total acres irrigated and 3.56 cfs water claimed is based on my inspection of Sept. 5, 1991. You are required to pay a \$50 fee for the three additional diversion points in the E1/2 of Section 16. Please submit both the \$50 fee and the application as soon as possible so we can complete processing.

Your immediate response is greatly appreciated. If you have any questions, please feel free to contact me.

Sincerely,

Gregory C. Johnston

Gregory C. Johnston
Natural Resources Engineer
Water Rights Division
(605) 773-3352

encl



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

July 30, 1992

Robert Dressen
RR 2
Dell Rapids SD 57022

Dear Mr. Dressen:

On November 6, 1991 (copy enclosed), you were sent an application form for a permit to appropriate water based on an inspection of Water Permit No. 2918-3 by Greg Johnston, an engineer with this office. This inspection showed that your system was not developed as originally permitted. This application is necessary to obtain a permit which will reflect your water use. To date, we have not received a response from you regarding this application.

Enclosed is another application form and map. Please review the application and have it signed and notarized. The filing fee for this application will be \$50.00.

Obtaining water permits that accurately reflect your water use ultimately benefits you by protecting your right to use water. Water Permit No. 2918-3 can not be licensed until this application is processed and a permit obtained to reflect your current water use in accordance with state statutes. Except for domestic use, any water user without a water right is not entitled to receive protection in the event of interference by a new or future user who has a water right.

Pursuant to South Dakota Codified Laws 46-1-15, 46-5-9, 46-5-10 and 46-2-18, you must have a water permit prior to using water.

If you have any questions, please contact Greg Johnston with this office.

Sincerely,

Karen Schlaak

Karen Schlaak
Natural Resources Analyst
605 773-3352

enclosures

South Dakota

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

GREAT FACES. GREAT PLACES.

September 1, 1992

Robert Dressen
RR 2, Box 76
Dell Rapids SD 57022

Dear Mr. Dressen:

In regard to your water permit application received on September 1, 1992, for additional diversion points on Water Permit No. 2918-3, the \$50.00 filing fee must be submitted.

Upon receipt of the fee, further processing of your application will continue. If you have any questions, please contact this office.

Sincerely,

Karen Schlaak

Karen Schlaak
Natural Resources Analyst
605 773-3352



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

MAR 12 1993

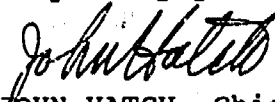
Robert Dressen
RR 2
Dell Rapids, SD 57022

Dear Mr. Dressen:

Enclosed is Water Permit No. 2918A-3 authorizing your water diversion system and beneficial use of the water, 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

**SOUTH DAKOTA
WATER PERMIT NO. 2918A-3**

Date of first receipt of application September 1, 1992.

Date Soil/Water Compatibility Permit received August 20, 1976.

Date of return to applicant for corrections, amendments or changes September 1, 1992.

Date of receipt of corrected application September 8, 1992.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 2918A-3 to Robert Dressen, RR 2, Dell Rapids SD 57022 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. 2918A-3 is for two additional wells to irrigate acreage authorized by Water Permit No. 2918-3 and to correct the location of an existing well. Permit No. 2918-3 appropriates 6.52 cubic feet of water per second (cfs) from three wells located in the NW 1/4 NE 1/4, NW 1/4 SE 1/4 and SW 1/4 SE 1/4 Section 16 to irrigate 457 acres located in the E 1/2 Section 16 and NW 1/4 Section 22; all in T104N-R50W. An inspection of the permit found 5 wells (Big Sioux-Middle Skunk Creek) 29 to 43 feet deep diverting 3.56 cfs to irrigate 301 acres in the E 1/2 Section 16-T104N-R50W. The irrigation of the land in Section 22-T104N-R50W was not developed. The correct location of the well which was to be located in the SW 1/4 SE 1/4 Section 16 is the NW 1/4 NE 1/4 Section 16, all in T104N-R50W. The two additional wells are located in the NW 1/4 NE 1/4 Section 16; all in T104N-R50W. No increase in the developed diversion rate or the number of acres being irrigated is authorized by this permit.
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 - November 30.
3. The date from which applicant may claim right is August 4, 1976.
4. The date of approval of Permit No. 2918A-3 is December 2, 1992.
5. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATION

1. The wells approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.

WATER MANAGEMENT BOARD

By: John Hatch
John Hatch, Chief Engineer, Water Rights Division
Department of Environment and Natural Resources

MAR 12 1993

date



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

June 2, 1993

SECOND NOTICE

Permit No: 2918A-3

NOTICE OF WATER LICENSE INSPECTION FEE REQUIREMENT

Robert Dressen
RR 2
Dell Rapids, SD 57022

Dear Mr. Dressen:

On March 12, 1993, you were notified the final inspection fee of \$50.00 is due before Water License No. 2918A-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,

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

Is your RETURN ADDRESS completed on the reverse side?

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 will show to whom the article was delivered and the date delivered.

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:

2918A-3

4a. Article Number

P 318 052 524

Robert Dressen

RR 2

Dell Rapids, SD 57022

4b. Service Type

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

7. Date of Delivery

6-3-93

5. Signature (Addressee)

Robert Dressen

8. Addressee's Address (Only if requested and fee is paid)

6. Signature (Agent)

PS Form 3811, December 1991

U.S. GPO: 1992-323-402

DOMESTIC RETURN RECEIPT

Thank you for using Return Receipt Service.

RECEIPT

413793

Division of Water Rights

South Dakota Department of Environment and Natural Resources

Pierre, June 4, 1995

RECEIVED OF Robert Dressen, Rk 2 Box 76, Dell Rapids, SD 57022

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 _____

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. 2918A-3

50 00

Fee for Filing Transfer Form _____

Fee for Filing Extension Request _____

Fee for _____

(Any Other Work Provided by Law)

Total

50 00

By John Hackett
Chief Engineer



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

FACSIMILE TRANSMITTAL COVER SHEET

TRANSMITTAL DATE: June 5, 1995

PLEASE DELIVER THE FOLLOWING PAGES TO:

NAME: Terry Westergaard, Attorney DESTINATION: 4804 S Minnesota, Sioux Falls

PHONE: 336-2565 FAX: 336-2604

MESSAGE:

Attached is a partially completed "Notice of Transfer of Ownership" form for use in filing an ownership change on Water Right No. 2918A-3, currently listed under the name of Robert Dressen. Kim Shefte contacted our office and requested the form be sent to you. During my phone conversation with Kim, she referenced land in the SE 1/4 Section 16, T104N, R50W. I am also faxing a copy of Water Right No. 2918A-3. Please note that it covers the entire E 1/2 of Section 16. If there is more than one owner for the land described in the water right, we can split the water right to reflect this.

As I indicated to Kim, whoever now owns the land, can have the water right transferred to their name(s). However, if there is a legal dispute over ownership of the land, it may be appropriate to wait until ownership is resolved rather than transferring the water right "back and forth".

The transfer form will need to be signed by the "new owner" in the presence of a notary. Upon completion, return the form to our office with a required filing fee of \$2.50. If you have any questions, please do not hesitate to call me.

Genny

FROM: GENNY MCMATH AGENCY: DENR - WATER RIGHTS DIVISION

ADDRESS: JOE FOSS BUILDING, 523 E CAPITOL, PIERRE, SD 57501-3181

PHONE: (605) 773-3352 FAX: (605) 773-4068

***THIS TRANSMISSION INCLUDES 5 PAGES INCLUDING THIS PAGE**

IF THERE IS ANY PROBLEM WITH THIS TRANSMITTAL, PLEASE CALL (605) 773-3352.

THANK YOU

L



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

June 6, 1995

2918A-3

Leonard & Mary Dressen
47264 246th Street
Dell Rapids, SD 57022-5326

Dear Mr. & Mrs. Dressen:

Enclosed is a copy of the *Report of Examination of Works* and the map showing the location of the diversion points and land irrigated. The information is sent to you in follow-up to my telephone conversation with Kim Shefte.

It is my understanding that you will be filing an ownership change on portion of Water Right No. 2918A-3. Kim said you would own one quarter and Robert Dressen would continue to own the other quarter of land. The water right will be divided and reissued to reflect separate ownership. Before dividing the water right, I will need to know which wells go with the particular piece of land you now own.

The *Report of Examination of Works* describes the wells and the irrigation systems used. Please highlight or circle the portions on the report concerning the irrigation system and wells you own. The enclosed map shows the location of the wells. It would appear from the map that Wells 1 thru 4 are used to irrigate the NE 1/4 and Well #5 is used to irrigate the SE 1/4 of Section 16.

Once you have reviewed the report and map and made notations regarding ownership, please return them to me. Your help in this matter will ensure that the water right is correctly transferred. If you have any questions, please contact me.

Sincerely,

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

enclosures



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

JUN 11 1993

2918A-3

Robert Dressen
RR 2, Box 76
Dell Rapids, SD 57022

Dear Mr. Dressen:

Enclosed is Water License No. 2918A-3. This is the final water right document completing your process of obtaining a Water Right. Enclosed is Receipt No. 413793 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. 2918A-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

gm
enclosures

NOTE: The applicable portions of Water Permit No. 2918-3 are incorporated into Water License No. 2918A-3.

RECEIPT

Division of Water Rights

413411

South Dakota Department of Environment and Natural Resources

Pierre, September 8, 1992

RECEIVED OF Robert Dressen (Rolling D Farms) RR 2 Box 76, Dell Rapids, SD 57022

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

Fee for Application for Permit No. <u>2918A-3</u> 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 _____		
Fee for Filing Extension Request _____		
Fee for _____		

(Any Other Work Provided by Law)	Total	50 00

By

John Hatch
Chief Engineer

10/2/21

(7) WELL CONSTRUCTION
Location of well: N1/2 Sec NE 1/4 _____ Section 15 Township 104 Range 50-N
Well owner Leonard Brown Hill County, South Dakota
Date well drilling completed 11-17-76 Purpose of well Irrigation
(Select one, or more, as applicable: Domestic, Industrial, Municipal, Irrigation, Other)

Date	Description of Work
8-2	Tape 1
2-9	E. brown sand
9-21	ch. fine sand
21-22	veg fine sand
22-22 1/4"	coarse sand

Depth to top of water producing aquifer 10 1/2' ft.
 Depth to static water level 10 1/2' ft.
 Name of producing aquifer (if known) SHUNK CREEK
 Total depth of drill hole 32' 6" ft.
 Depth to bottom of core 32' 6" ft.

33 1/6" x 14" x 1/4 steel casing

10' x 14" x .080 Johnson

Ed H Lacey & Sons
Name of Drilling Contractor

PUMP INSTALLATION
Company name and size of pump WESTERN LAND ROLLER HP 40
Type of pump TURKINE Capacity of installed pump 400 G.P.M.
Depth of lining placement 24-28' ft., Date of pump installation -

On some wells on at-tight water surface measuring tube is required. See Section 48.406 of Chapter 48.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Ed A. Laurent Soars
 1945-1946

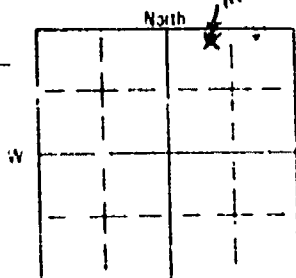
SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location NE 1/4 Sec 16 Twp 104 N Rg 50 W

County Minnehaha

Please mark well location with an X



Well Completion Date 2-29-88

PROPOSED USE

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

Method of Drilling

Bucket & Fake casing

CASING DATA

- ☒ Steel ☐ Plastic ☐ Other

If other describe 1 1/2" x 1/4" 14' x 1/4"

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	IN	FT	FT	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? 7' FEET

What is grouting material? Cement

If cement, number of sacks? 1

Describe grouting procedure

What was grout weight? 1 LB/GAL

☒ Fabricated pipe ☐ Manufactured

14" IN Length 8' FEET
Stainless Steel

Set from 23' feet to 31' feet

Set from feet to feet

Set from feet to feet

Well Owner

Name Robert Dressen

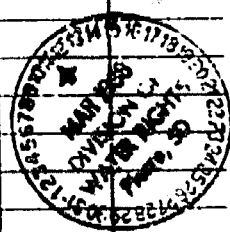
Address R.R. 2 Box 76

Well log

Depth 31' 0"

Formation

	From	To
<u>Topsoil</u>	<u>0</u>	<u>2</u>
<u>Brown Sand</u>	<u>2</u>	<u>9</u>
<u>Grey Gravel</u>	<u>9</u>	<u>31' 0"</u>



STATIC WATER LEVEL 7' 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 pumped clean

Pumping Level Below Land Surface

_____ ft After _____ Hrs pumped _____ GPM

_____ ft After _____ Hrs pumped _____ GPM

_____ ft After _____ Hrs pumped _____ GPM

REMARKS

Replacement wells

Lacey

Well #3

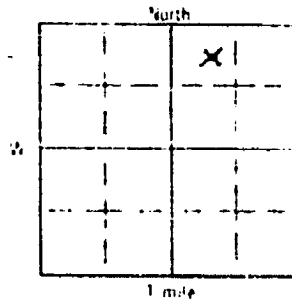
SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location NE NE Sec 16 Twp 104 N R7 50 W

County
Minnehaha

Please mark well location with an 'X'



Well Completion Date 3-1-88

PROPOSED USE

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

Method of Drilling

Pneumatic

CASING DATA

- ☒ Steel ☐ Plastic ☐ Other

If other describe

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

GROUT

Was the well grouted? ☒ YES ☐ NO

To what depth? FEET

What is grouting material?

If cement, number of sack?

Describe grouting procedure

Was it grout weight?

LB/CA

Casing ☐ Fabricated pipe ☐ Manufactured

Casing length FEET

080 Set from 23 feet to 31 feet

Set from feet to feet

Set from feet to feet

Well Owner

Name Robert Dresson

Address RR2 Box 76 Dell Rapids

Well log

Depth

Formation

	From	To
Topsoil	0	2
Brown Sand	2	6
Grey Sand	6	20
Grey Gravel	20	31



Static Water Level Feet

If flowing, closest 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

Pumping level Below Land Surface

ft After hrs pumped GPM

ft After hrs pumped GPM

ft After hrs pumped GPM

REMARKS

Replacement wells

Lucas

DATE RECEIVED

CAMERA OPERATOR

(b) WELL CONSTRUCTION

Location of well NE 1/4 NE 1/4 Section 16 Township 104 Range 50 W
 Well owner 306 James W. R. R. Co.
 Date and drilling completed 10-31-76 Purpose of well Domestic, irrigation, industrial, livestock, other

WELL LOG

Depth from top of water producing aquifer _____ ft.
 Depth to static water level _____ ft.
 Name of producing aquifer (if known) _____
 Total depth of drill hole _____ 29' ft.
 Depth to bottom of casing _____ 29' ft.
 Casing information: In the space below show kind, size, weight, length per diameter, etc., for production casing and surface casing, if used.
 18' 6" 14" x 1/4" steel + casing
 Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.
 12' 18" x .080 Johnson
 If a flowing well, flow of completed well _____ G.P.M.

2.2 PREP INSTALLATION

Make and size of pump WESTERN LAND ROLLER HP 40
 Type of pump Vertical Capacity of installed pump 400 G.P.M.
 Height of pump placement 26-28 ft., Date of pump installation _____

THE SURFACE MEASURING TUBE

A minimum 100 mm (4 in.) water surface measuring tube is required. See Section 46.408 of Chapter 46, MINIMUM QUALIFICATION STANDARDS.

State panel vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____,
tube supported _____.

Ed. H. Lawrence & Jones

12-1-55
Date

NOT TO SCALE

84 NO. 2918-3

9-2

ROBERT DRESSEN

Drawn by: Gregory C. Johnson

Natural Resources Engineer
Water Rights

DENR

11/6/91

35.6

Section 16-T104N-R50W:

NW¹/₄ NE¹/₄ = 38 acres

NE¹/₄ NE¹/₄ = 36 acres

SW¹/₄ NE¹/₄ = 40 acres

SE¹/₄ NE¹/₄ = 33 acres

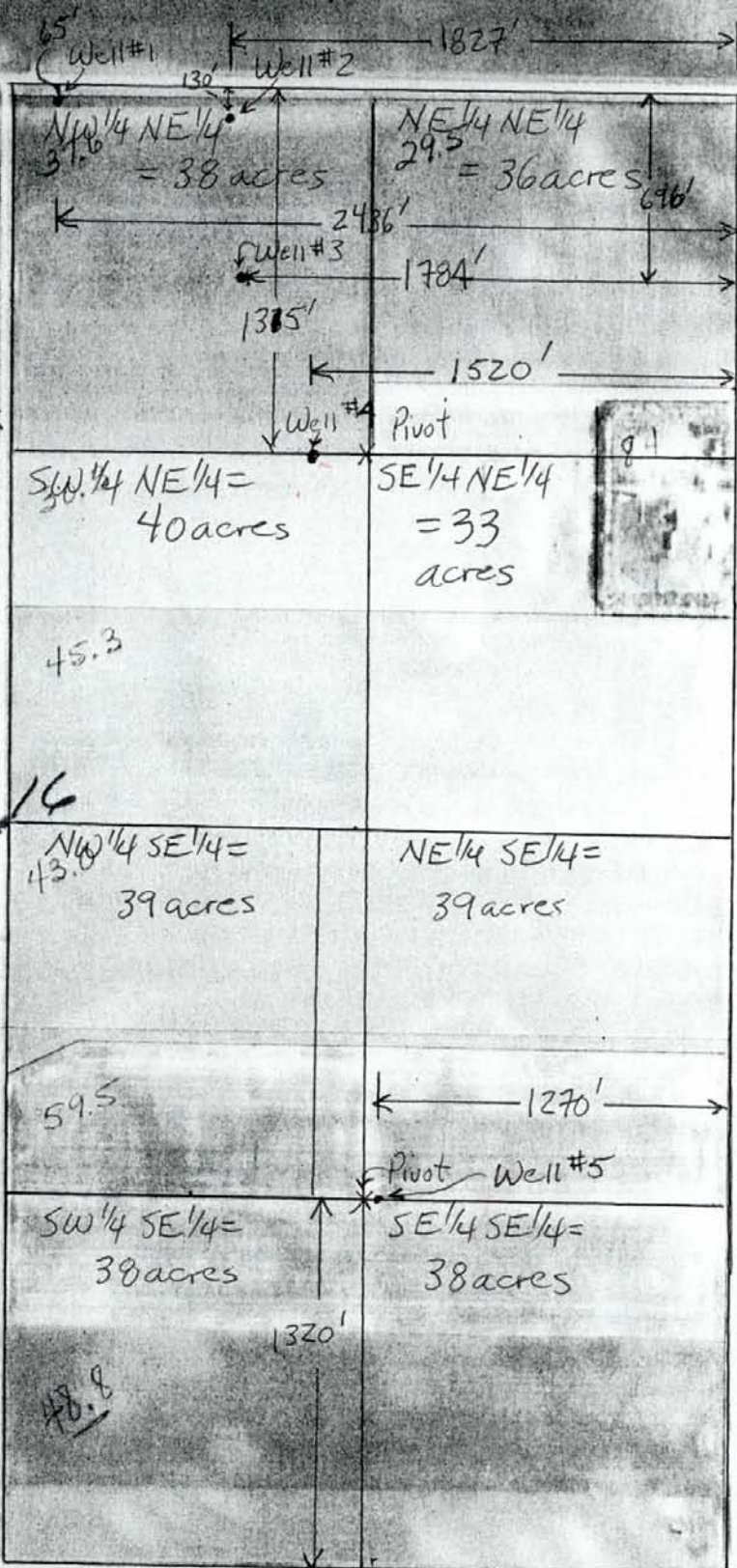
NW¹/₄ SE¹/₄ = 39 acres

NE¹/₄ SE¹/₄ = 39 acres

SW¹/₄ SE¹/₄ = 38 acres

SE¹/₄ SE¹/₄ = 38 acres

Total = 301 acres



9-2

52.5

10.0

Appl. No. 2918A-3

2251-3 W/R 2918-3