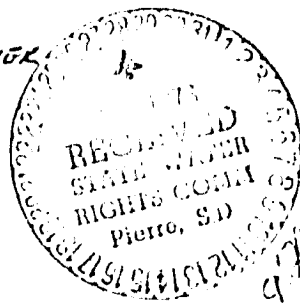


Water Right Number 327625

1. Considered 1-26, 1941
2. Name of Applicant ARNOLD KNECHT
3. Post Office Address FAIRBANKS
4. Amount of water claimed 1.6
5. Source of water supply 43' DEEP WELL
6. Water to be used for IRRIGATION
Acres to be irrigated 110
7. Water to be diverted and used in TURNER County
about 26 Miles of TURNER
8. Proof of Publication
Received 1-17-41
Not received _____
9. Application
(A)
Approved _____
Subject to _____
Not approved _____
Action deferred _____
10. Remarks:

No. 3276-3 TERMINATION
 Map No. 2563-3 Water Division No. 3 ARNOLD District _____
 (Blanks to be filled by the Engineer for the W. R. C.)



APPLICATION FOR PERMIT

To Appropriate Water within the State of South Dakota

(NOTE--Draw a line through items not applicable)

1. Name of Applicant Arnold L. Knecht
 Postoffice address Parker, State S. Dak. 57053
 If a corporation show date and place of incorporation no
 2. Method of accomplishing work (contract, employment of others, or by direct labor) contract
 3. Name of diversion work Arnold L. Knecht Irrigation System #1
 4. Amount of water claimed (cubic feet per second) 1.6
 5. Source of water supply Well
 6. Location of point of diversion NW 1/4 SW 1/4 15-99-53
 County Turner
 7. Annual period or periods during which water is to be used April & November
 8. Use to be made of water. (irrigation, industrial, municipal, commercial, recreation, etc.) Irrigation
 9. For irrigation use, Total number of acres to be irrigated 110

List below each forty acre subdivision, or 1/4 t. or fraction thereof and show number of acres to be irrigated in each.

Land Description	No. Acres Irr.	Land Description	No. Acres Irr.
SE 1/4 SW 1/4 15-99-53	40		
SW 1/4 SW 1/4 15-99-53	30		
S 1/2 NW 1/4 SW 1/4 15-99-53	20		
S 1/2 NE 1/4 SW 1/4 15-99-53	20		

Attach sheet if more space is needed

10. Time required to complete construction of water supply system 1 years. Additional time required to complete application of water to the proposed beneficial use 1 years.
 11. Choice of newspaper for Notice of Intent to Appropriate Water publication NEW ERA, Parker, S. Dak. 57053
 12. Principal Features of the Proposed Water Supply System.

A. Works proposed to divert water from its natural source.

Electric Pump

B. Works proposed to transport water to place of use.

Buried Pipeline to center of pivot.

C. Works proposed to apply water to beneficial use.

Center Pivot sprinkler system.Estimated Total Cost \$ 40,000.00

Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach map.
 (See instructions concerning preparation.)

STATE OF SOUTH DAKOTA

County of Turner

I, Arnold L. Knecht the applicant, certify that I have read the foregoing application and have examined the attached map and that the matters therein stated are true and that I intend, and am able to complete the necessary construction

Signed Arnold L. KnechtSubscribed and sworn to before me this 26th day of October 19 76

Notary Public (or other qualified officer)

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 3276-3
ARNOLD L. KNECHT PARKER R+1, Box 49
 (Applicant) (Post Office Address)
SOUTH DAKOTA 57052 With the following modifications:
 (State)

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

*Cancelled
 Incorporated
 into 3812-3*

Date of first receipt of application OCTOBER 28, 19 76
 Date of return to applicant for correction, amendments or changes required —, 19 —
 Date of receipt of corrected application DECEMBER 1, 19 76
 Approved JANUARY 27, 19 79, Recorded in Book 17 Page 73

WATER RIGHT PERMIT NO. 3276-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 3276-3 authorizing the construction of the water use system and the putting of water to beneficial use as stated in the Application and as modified in the Water Right Application approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is OCTOBER 28, 19 76
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before JULY 27, 19 77
3. The whole of said work is to be completed on or before JANUARY 27, 19 78
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is JANUARY 27, 19 79
5. The water appropriated shall be used for the purpose of IRRIGATION

6. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be injuriously affected by this appropriation.

7. The amount of the appropriation herein granted shall not exceed 1.6 cubic feet per second; neither shall it exceed the capacity of the above described water supply system, nor shall it exceed the amount of water needed for beneficial uses served, and if for the irrigation purposes said appropriation must be limited to not more than 3 acre feet per acre per year and be limited to not more than one-seventieth (1/70) of one cubic foot of water per second of time for each acre of land to which water is actually and beneficially applied for irrigation on or before JANUARY 27, 19 79; said water to be used during the following described annual period: APRIL - NOVEMBER

Witness my hand this 7TH day of APRIL, 19 77

WATER RIGHTS COMMISSION

By:

John Hatch
 Chief Engineer, Executive Officer

Certificate of Construction Issued —, 19 —

Water License Issued —, 19 —

12 Principal Features of the Proposed Water Supply System (continued.)

D Well Information or Estimates

- (1) Drill Hole, Diameter 18", Depth 43'
- (2) Casing, Type steel Diameter 1 1/2" Thickness 1/4"
(wood, concrete, steel, etc.)
- (3) Perforated Screen,
Type Johnson stainless steel Diameter 1 1/2" Length 15'
- (4) Gravel Pack, Thickness 2" Length of gravel pack 40'

E Dugout Information or Estimates

- (1) Surface dimensions -, Depth -

F Fill out for Either a Well or a Dugout.

- (1) Water Bearing Materials (Please attach a copy to test well log if available.)

Character of Water bearing materials No log available. Approx. 4' of topsoil and
clay; balance sand and gravel.

Depth to top of water bearing material 4'

Depth to bottom of water bearing material 43'

Thickness of water bearing material 39'

Depth to water (ground surface to water level) 15'

- (2) Distance to nearest existing household or livestock watering well:

On same owner's property 60 rds. On property owned by others 130 rds.

G. Water Storage Dams

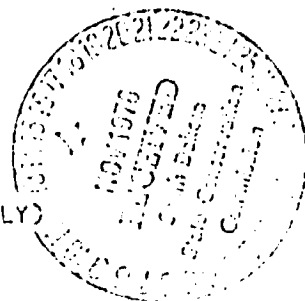
If the proposed water use system contains one or more water storage dams, please show in the space below, the height, maximum water depth, surface area and storage capacity of each storage dam. The location of each water storage dam should be shown on the water right map.

n/a

Arnold S. Throckmold
Signature of Applicant

CONSERVATION
COMMISSION
FORM W1-41

STATE CONSERVATION COMMISSION
SUPPORTING INFORMATION
FOR APPROPRIATION OF GROUND WATER IN ACCORDANCE
WITH SDCL 46-6-3 AS AMENDED
(THIS FORM REQUIRED FOR PROPOSED GROUND WATER IRRIGATION ONLY)



NAME Arnold L. Knecht

ADDRESS Parker, S. Dak. 57053

COUNTY Turner

LEGAL DESCRIPTION

1. WELL LOCATION NW¹SW¹ 15-99-53
2. LOCATION OF AREA TO BE IRRIGATED Approx. 110 ac. in the SW¹ 15-99-53

TYPE OF IRRIGATION

3. GRAVITY _____ TOWLINE _____ CENTER PIVOT x GUN _____
4. CROPS TO BE IRRIGATED Corn, Soybeans and Alfalfa

WATER QUALITY

5. SAMPLE NUMBER 76-1728
6. SALINITY (EC X 10⁶) 10.28 (high)
7. SODIUM (SAR) 0.46 (low)
8. RESIDUAL SODIUM CARBONATE (meq/l.) 0

I do hereby certify that a chemical analysis of the ground water representative of that used to irrigate shall be acquired from South Dakota State University and: the soils information has been acquired from Turner Co. Conservation District, County Extension office or Soil Conservation Service.
and:
that the legal description for the location of the well and land to be irrigated is true and correct.

Arnold L. Knecht
APPLICANT'S SIGNATURE

I hereby certify that this project can be carried out properly in all circumstances. Individual management of the land is necessary to determine the relative success of the project.

Robert A. H. H. H.
APPROVED/DISAPPROVED

SUBSCRIBED AND SWORN BEFORE ME THIS
26 DAY OF October 19 76.

W. W. W.
(TITLE OR SEAL)

(SOILS INFORMATION ON REVERSE SIDE)

REPORT OF ANALYSIS
Water Quality Laboratory /
Water Resources Research Institute
South Dakota State University
Brookings, South Dakota 57006

Submitted by: Arnold Knecht

Date Rec'd November 1, 1976

Address Parker, SD 57053

Sample No. 76-1728

Identification Well-

SW₂, Sec. 15, T 99N, R 53W

WATER ANALYSIS

Calcium (Ca)	126	ppm*	6.30	me/l**
Magnesium (Mg)	47	ppm	3.85	me/l
Sodium (Na)	24	ppm	1.04	me/l
Potassium (K)	7	ppm	0.18	me/l
Sulfate (SO ₄)	330	ppm	6.86	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	28	ppm	0.79	me/l
Bicarbonate (HCO ₃)	303	ppm	4.96	me/l
Carbonate (CO ₃)		ppm		me/l
Iron (Fe)		ppm		me/l
Fluoride (F)		ppm		me/l
Hardness (EDTA as CaCO ₃)		ppm		g.p.g.***
Alkalinity (Methyl Orange)	248	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	1028	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.46			
Sodium	9.14%	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.88			

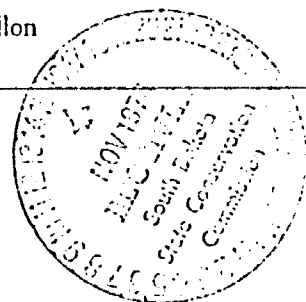
Others:

*ppm=parts per million

**me/l=millequivalents per liter

***g.p.g.=grains per gallon

COMMENTS: Total cations 11.37 me/l
 Total anions 12.61 me/l



By: Shirley Kitten

Service Performed

Amount Due

Irrigation analysis

\$8.00 PAID

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 76-1728

Amount Enclosed \$

Signed

November 10, 1976



Mr. Arnold L. Knecht
Parker, SD 57053

Dear Mr. Knecht:

Your water sample (Lab. No. 76-1728) has been analyzed and the results are reported on the accompanying sheet, which is your copy to keep.

I am also enclosing a copy of AES pamphlet #13 for your use. The quality of your water for irrigation use is plotted approximately by means of the red cross in the chart on the outside back cover.

Your water, as indicated by this analysis, is satisfactory for use on the soils you indicate will be irrigated. If a salt problem or a water table problem should develop, contact extension personnel for assistance.

The WI-1, soils information, and a copy of the water analysis are being forwarded to the State Conservation Commission for their action.

Sincerely yours,

L. O. Fine

L. O. Fine
Water Quality Lab

LOF:ckb

Enclosures

cc: State Conservation Commission

P.S. Although this water is fair in quality and I foresee no particular chemical problem, the Tetonka soil (#11) and Clarno-Betts soils on the stronger slopes (#15C) are very poorly suited to irrigation for different reasons. I suggest that these soil areas be kept in permanent grass or grass-alfalfa to minimize your grief in getting stuck, drowning out crops, etc.

No. 3276-3

Publish first publication, on or before January 13, 1977

NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

~~December 17~~, 1976

Notice is hereby given that Arnold L. Knecht
whose post office address is Parker, South Dakota, has made an application in accordance
with the provisions of the water laws of South Dakota for a permit to appropriate for beneficial use
1.6 cubic feet of water per second of time from the ~~XX~~ ground-water through the
Knecht # 1, the point of diversion of which is to be located in the _____

NE 1/4 SW 1/4
of Section 15, Twp. 29N, Range 53W. Said water to be used for the purpose
of providing irrigation on ^{portions of} the following described land:

SW 1/4, Section 15, T29N, R53W

This application No. 3276-3 will be considered by the Water Rights Commission at their office at
Pierre upon the 26th day of January, 1977, at 10:00 A.M. All interested
persons may appear and be heard.

WATER RIGHTS COMMISSION

By:

BURTON F. JONES
Water Rights Specialist

SFJ/bw
cc:

Arnold L. Knecht, Parker, SD 57053

Affidavit of Publication

STATE OF SOUTH DAKOTA)
) ss.
COUNTY OF TURNER)

.....EARL J. BORMANN.....

of said County and State, being duly sworn, on his oath says:
THE NEW ERA is a weekly newspaper of general circulation, printed and published in Parker, in Turner County and State of South Dakota by Earl J. Bormann, and has been such a newspaper during the times hereinafter mentioned; that the said newspaper is a legal newspaper, that it has a bona fide circulation of more than 200 copies weekly, that it has been published within said county of Turner in the English language for more than fifty-two successive weeks next prior to the publication of the notice hereinafter mentioned, and has been printed during said period and at the present time, in whole or in part in an office maintained at the said place of publication; and that I, the undersigned, am

.....OWNER.....
of said newspaper, in charge of the advertising department thereof, and have personal knowledge of all facts stated in this affidavit; that the advertisement headed NOTICE INTENT TO APPROPRIATE WATER

RE: 3276-3, ARNOLD L. KNECHT, Parker, S. D.,
a printed copy of which is hereto attached, was printed and published in the said newspaper fortwo weeks.....; that said notice was published in the issues of said newspaper on the dates as follows, to-wit:

The first publication being made on Thursday, January 6th 1977;
the second publication on Thursday, January 13th, 1977;
the third publication on, 1977;
the fourth publication on, 1977;
the fifth publication on, 1977;
the sixth publication on, 1977;
and the last publication on, 1977;

that \$.....11.52....., the full amount of the fee charged for publication of the annexed notice, insures solely to the benefit of the publishers of the said newspaper; that no arrangements or understanding for a division thereof has been made with any person, and that no part thereof has been agreed to be paid to any person whomsoever.

17.3c 8 pt. 37 11

.....
Subscribed and sworn to before me this 13th
day of January, 1977.

Notary Public, Turner County, South Dakota.

No. 3276-3
**NOTICE OF INTENT TO
APPROPRIATE WATER**
Pierre, South Dakota 57501
December 17, 1976

Notice is hereby given that Arnold Knecht, whose post office address is Parker, South Dakota, has made an application in accordance with the provisions of the water laws of South Dakota for a permit to appropriate for beneficial use 1.6 cubic feet of water per second of time from ground water through the Knecht No. 1, the point of diversion of which is to be located in the NW 1/4 SW 1/4 of Section 15, Twp. 99N, Range 53W. Said water to be used for the purpose of providing irrigation on portions of the following described land:

SW 1/4, Section 15, T99N, R53W.
This application No. 3276-3 will be considered by the Water Rights Commission at their office at Pierre, South Dakota upon the 26th day of January, 1977, at 10:00 A.M. All interested persons may appear and be heard.
WATER RIGHTS COMMISSION
By: Burton F. Jones,
Water Rights Specialist.
BFF/bw
cc: Arnold L. Knecht, Parker, S. D. 57053.
(26 Jan. 6 and 13, 1977)



Publication Fees \$.....11.52.....

Received Payment,
.....
.....
.....



Department of Water & Natural Resources

Joe Foss Building Water Rights, Water Management Division
Pierre, South Dakota 57501 (605) 773-3352

July 21, 1980

Arnold Krecht
Route 1, Box 49
Parker SD 57053

Dear Mr. Knecht:

Enclosed herewith are, Water License No. 3812-3 and Certificate of Construction.

Water License No. 3812-3 is the final water right document completing your process of obtaining a water right.

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.

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights, WMD

JH: kw

enclosures

NOTE:: The applicable portions of Permit No. 3276-3 have been incorporated into this Water License and Permit No. 3276-3 has been placed in a cancelled status.

WNR-817-7/79
Transmittal of Water License

TU/VR

5

November 1980
For Dept. use only

Acres irrigated with Groundwater _____ No system
check this box ☐

No. Acres irrigated with water during 1980-check this box ☐ If you did not irrigate during 1980-check this box ☒

Type of Power	No. acres irrigated	Total Energy used-1990
1. Electric	128	kwh
2. Gravity		gal
3. Gasoline		cf
4. Nat. Gas pipeline		gal
5. Diesel		gal
6. Propane		
7. Other		

Type of System:
1. Hand Moved Sprinklers
2. Portable booms
3. Center pivots (# of)
4. gated pipes
5. Sidewheel
6. Towlines
7. Gun type
8. Hydramatic
5. Siphons
10. Flood
11. Other

Farmer or address change, if any:

Month	# days pumped	Average # hours per day	Average pump rate (gpm)	Acres of Crop		Irrigated and Estimated Water Use	
				Crop	Acres	Water Used	Crop
April	0			C	120	38400	
May	2	24	800	C	18	9600	
June	5	24	800	C	18	14400	
July	10	24	800	C	18	14400	
August	10	24	800	C	18	38400	
Sept.	2	24	800	C	18		
Oct.							
Other Month							

Static Water Level: beginning _____ end _____

WATER MANAGEMENT BOARD

Com - please and return to: WATER MANAGEMENT BOARD
Water Rights Division
Joe Foss Building
Pierre, SD 57501



The South Dakota Office of Energy has requested your cooperation in completing the following:

1979

Type of Power	No. Acres Irrigated	Total Energy Used
1. Electric	_____	_____ kwh
2. Gravity	_____	_____
3. Gasoline	_____	_____ gal
4. Nat. Gas pipeline	_____	_____ cf
5. Diesel	_____	_____ gal
6. Propane	_____	_____ gal
7. Other	_____	_____

1978

Type of Power	No. Acres Irrigated	Total Energy Used
1. Electric	_____	_____ kwh
2. Gravity	_____	_____
3. Gasoline	_____	_____ gal
4. Nat. Gas pipeline	_____	_____ cf
5. Diesel	_____	_____ gal
6. Propane	_____	_____ gal
7. Other	_____	_____ gal

- What is your on-farm storage capacity for gasoline _____ gallons
diesel _____ gallons
- What are your present plans for acres under irrigation for 1981?
 _____ an increase in acres
 _____ irrigate same acres
 _____ a decrease in acres
- A. Has your regular fuel supplier been able to meet your fuel needs for irrigation this past year?
 _____ yes
 _____ no

 B. If no, were you able to buy from other sources?
 _____ yes
 _____ no
- Would you continue irrigating the same number of acres in 1981 if the price of fuel increased-
 10% yes _____ no _____
 15% yes _____ no _____
 20% yes _____ no _____
 over 20% yes _____ no _____
- At what price for fuel would you cut back on irrigation activities? _____
- What is your best estimate of your fuel needs for irrigation in 1981, if we experience a
 Dry summer: _____ gallons.
 Wet summer: _____ gallons.

3276-3