

Water Right Number 3174-3

1. Considered 11-17, 19 76
2. Name of Applicant LESTER & DORIS MARSHALL
3. Post Office Address REDFIELD
4. Amount of water claimed 2.28
5. Source of water supply 60' DEEP WELL
6. Water to be used for IRRIGATION

Acres to be irrigated 160

7. Water to be diverted and used in SEINK County
about 4E, 2N Miles of HITCHCOCK

8. Proof of Publication Received 1ST

Not received

9. Application Approved

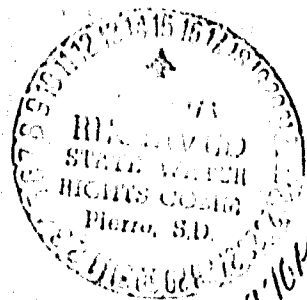
Subject to

Not approved

Action deferred

10. Remarks:

Map No. 2515-3 Water Division No. 3 JAMES RIVER District
(Banks to be Filled by the Engineer for the W. H. 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 Leaton and son, Arthur Marshall
Postoffice address Redfield, State SD
If a corporation show date and place of incorporation _____

2. Method of accomplishing work (contract, employment of others, or by direct labor) direct labor

3. Name of diversion work well MATCH

4. Amount of water claimed (cubic feet per second) 1200 6 P.M.

5. Source of water supply well

6. Location of point of diversion center of SE 1/4 of Sec 24
R 163 W T 115 N

County Spink

7. Annual period or periods during which water is to be used April - Nov.

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 160 A

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

Land Description	No. Acres Irr.	Land Description	No. Acres Irr.
SE 1/4 of SE 1/4 of Sec 24	40	NE 1/4 of SE 1/4 of Sec 24	40
R 163 W T 115 N			
SE 1/4 of SE 1/4 of Sec 24	40	N 1/2 of SE 1/4 of Sec 24	40
R 163 W T 115 N		N 1/2 R 163 W T 115 N	

Attach sheet if more space is needed

10. Time required to complete construction of water supply system 5 years. Additional time required to complete application of water to the proposed beneficial use 5 years.

11. Choice of newspaper for Notice of Intent to Appropriate Water publication Redfield Press

12. Principal Features of the Proposed Water Supply System.

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

well

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

pipe

C. Works proposed to apply water to beneficial use.

center pivot

Estimated Total Cost \$ 50,000

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 Spink) ss.

I, Arthur Marshall 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 Arthur Marshall
Arthur Marshall

Subscribed and sworn to before me this 14 day of October, 19 26

Thos. E. Reed
Notary Public (or other qualified officer)

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 3174-3

LESTER & DORIS MARSHALL
(Applicant)

REDFIELD

(Post Office Address)

SOUTH DAKOTA 57469
(State)

With the following modifications:

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 existing domestic wells or in irrigation wells having prior water rights.

Date of first receipt of application OCTOBER 15, 1976

Date of return to applicant for correction, amendments or changes required _____, 19____

Date of receipt of corrected application OCTOBER 29, 1976

Approved NOVEMBER 18, 1976, Recorded in Book 16 Page 243

WATER RIGHT PERMIT NO. 3174-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 3174-3 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 15, 1976
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before MAY 18, 1979
3. The whole of said work is to be completed on or before NOVEMBER 18, 1981
4. The limit of time from proof of beneficial use of water appropriated in accordance with is NOVEMBER 18, 1981
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 2.28 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 NOVEMBER 18, 1981; said water to be used during the following described annual period: APRIL - NOVEMBER

Witness my hand this 27th day of DECEMBER, 1976

WATER RIGHTS COMMISSION

By:

John Hatch
Chief Engineer, Executive Officer

Certificate of Construction Issued _____, 19____

Water License Issued _____, 19____

Form 2A - Wells, Dugouts or Water Storage Dams (Supplement to form 2)

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

D. Well Information or Estimates

- (1) Drill Hole, Diameter _____, Depth 60'
- (2) Casing, Type _____, Diameter _____, Thickness _____
(wood, concrete, steel, etc.)
- (3) Perforated Screen.
Type _____, Diameter _____, Length _____
- (4) Gravel Pack, Thickness _____, Length of gravel pack _____

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 coarse sand to large
fine gravel

Depth to top of water bearing material 22'

Depth to bottom of water bearing material 60'

Thickness of water bearing material 38'

Depth to water (ground surface to water level) 20'

- (2) Distance to nearest existing household or livestock watering wells.

On same owner's property none rds. On property owned by others 3/4 miles.

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.

Lester Marshall
Signature of Applicant
Lester Marshall

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 Lester and Mrs. Doris Marshall
ADDRESS Redfield, S.D.
COUNTY Spink

LEGAL DESCRIPTION

1. WELL LOCATION SE 1/4 of S 24 R 63W T 115N
2. LOCATION OF AREA TO BE IRRIGATED SE 1/4 of S 24 R 63W T 115N

TYPE OF IRRIGATION

3. GRAVITY _____ TOWLINE _____ CENTER PIVOT Y GUN _____
4. CROPS TO BE IRRIGATED corn, small grains, alfalfa

WATER QUALITY

5. SAMPLE NUMBER 76-1643
6. SALINITY (EC X 10⁶) 1153 (high)
7. SODIUM (SAR) 0.97 (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 _____ Conservation District, County Extension office or Soil Conservation Service.

I, _____ the legal description for the location of the well and land to be irrigated is true and correct.

SUBSCRIBED AND SWORN BEFORE ME THIS
14 DAY OF October 1976.

Lester Marshall
(TITLE OR SEAL)

My Commission Expires Dec. 12, 1976

Lester Marshall
APPLICANT'S SIGNATURE

Approval does not imply that this project can be carried out successfully in all circumstances. Individual management will, to a large degree, determine the relative success of the project.

Albert J. [Signature]
APPROVED/DISAPPROVED

(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: Lester Marshall
Address: Feldfield, SD 57469

Date Rec'd: October 20, 1976
Sample No.: 76-1643
Identification: Well
SE 1, Sec. 24, T. 115N, R. 63E

WATER ANALYSIS

Calcium (Ca)	149	ppm	7.45	me/l**
Magnesium (Mg)	45	ppm	3.50	me/l
Sodium (Na)	31	ppm	1.35	me/l
Potassium (K)	9	ppm	0.23	me/l
Sulfate (SO ₄)	362	ppm	7.53	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	15	ppm	0.42	me/l
Bicarbonate (HCO ₃)	420	ppm	6.83	me/l
Carbonate (CO ₃)		ppm		me/l
Iron (Fe)		ppm		me/l
Fluoride (F)		ppm		g.p.g.***
Hardness (EDTA as CaCO ₃)		ppm		
Alkalinity (Methyl Orange)	34.4	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	1183	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.57			
Sodium	60.70	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.97			

*ppm=parts per million
**me/l=millequivalents per liter

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

COMMENTS: Total cations 12.72 me/l
Total anions 14.83 me/l

By: Shirley Mitten

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. 76-1643

Amount Enclosed \$

Signed

October 28, 1986



Mr. Lester Marshall
Redfield, SD 57469

Dear Mr. Marshall:

Your water sample (Lab. No. 76-1643) 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

No. 3174-3

Publish first publication, on or before

November 9, 1976

NOTICE OF INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

November 1, 1976

Notice is hereby given that Lester & Doris Marshall

whose post office address is Redfield, 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 2.28 cubic feet of water per

second of time from ~~the~~ ground water through the

Marshall # 1, the point of diversion of which is to

be located in the center of the SE 1/4

of Section 24, Twp. 115N, Range 63W. Said water to be used for the purpose of providing irrigation on the following described land:

/portions of

SE 1/4, Section 24, T115N, R63W

This application No. 3174-3 will be considered by the Water Rights

Commission at the Marvin Hughitt Hotel in Huron, South Dakota

upon the 17th day of November, 1976 at 10:00 A.M. All interested persons may appear and be heard.

WATER RIGHTS COMMISSION

By:

BURTON F. JONES, Water Rights Specialist

BFJ/bw

cc: Lester & Doris Marshall, Redfield, SD 57469

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

No. 3174-3

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Beadle) ss.

I, Dorothy Murphy hereby

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

Water was taken from the Huron Daily Plainman

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 Huron of Huron

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

November 5, 1976

November 12, 1976

Dorothy Murphy
(Signature)

Bookkeeper
(Title)

November 12, 1976

(Date Signed)

F.P. 11-576 L.P. 11-1276

NOTICE OF INTENT
TO APPROPRIATE WATER

Pierre, South Dakota 57501

November 1, 1976

Notice is hereby given that Lester and Doris Marshall whose post office address is Redfield, 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 2.28 cubic feet of water per second of time from ground water through the Marshall No. 1, the point of diversion of which is to be located in the center of the SE 1/4 of Section 24, Twp. 11S11, Range 63W. Said water to be used for the purpose of providing irrigation on portions of the following described land: SE 1/4, Section 24, T11S11, R63W.

This application No. 3174-3 will be considered by the Water Rights Commission at the Marvin Hughitt Hotel in Huron, South Dakota upon the 17th day of November, 1976 at 10:00 A.M. All interested persons may appear and be heard.

WATER RIGHTS COMMISSION

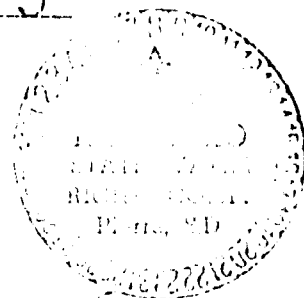
By: Burton F. Jones

Water Rights Specialist

No. 657 (adv.)

Form 10.

No. 3174-3



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

Post Office Redfield, S.D.
Date Dec 5 1977

TO: Water Rights Commission
Joe Foss Building
Pierre, South Dakota 57501

Dear Sirs:

This is to inform you that I have completed the construction of the water diversion system and/or that I have put the water to beneficial use to the maximum extent it is going to be used, not exceeding the amounts as specified in Water Right Permit No. 3174-3

Water Right Permit No. 3174-3 states that the diversion system is to be constructed by Oct 1, 1976 and that the water is to be put to beneficial use by Nov 26, 1977.

The diversion system was completed on June 25, 1977.
Applying the water to beneficial use was completed on Sept. 25, 1977.

You may schedule an inspection so that the Certificate of Construction and/or the Water License may be issued, thus completing my acquisition of a water right.

Lester Marshall
(Signature)



No. 3174A-3

Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501

WATER RIGHTS DIVISION
Phone (605) 773-3352

DEC 20 1985

Lester Marshall
RR 2, Box 74
Redfield SD 57469

Dear Mr. Marshall:

Enclosed herewith is, Water License No. 3174A-3. This 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 Division

JH:ks

Enclosures

NOTE: The applicable portions of Water Permit No. 3174-3 have been incorporated into this Water License. No. 3174A-3

WNR-817 3/83
Transmittal of Water License