

2665-3

1. Considered MAY 20, 1976
2. Name of Applicant WALTER OLSON
3. Post Office Address PLUMMER, IDAHO
4. Amount of water claimed 2.1
5. Source of water supply 36' DEEP WELL
6. Water to be used for IRRIGATION
Acres to be irrigated 152
7. Water to be diverted and used in BROOKINGS county
about 7N, 1W miles of AUREORA
8. Proof of Publication
Received 5-3-76
Not received
9. Application
Approved
Subject to
Not Approved
Action deferred

10. Remarks:

No. 2665-3Map No. 2031-3 Water Division No. 3 BIG S LOUX RIVER
(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 Walter Olson
 Postoffice address Rt 1 Box 35 Plummer State Idaho
 If a corporation show date and place of incorporation _____
2. Method of accomplishing work (contract, employment of others, or by direct labor) Contract & Direct Labor
 3. Name of diversion work Walter Olson Irrigation Project #1
 4. Amount of water claimed (cubic feet per second) 2.1
 5. Source of water supply well
 6. Location of point of diversion 3040' N 124° W of NE corner Sec 27-11-49

- County Brookings
 7. Annual period or periods during which water is to be used April through October
 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 152

(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.
NW ^{1/4} of NE ^{1/4} Sec 27-11-49	39		
NE ^{1/4} " " " "	38		
SW ^{1/4} " " " "	40		
SE ^{1/4} " " " "	35		

Attach sheet if more space is needed

10. Time required to complete construction of water supply system Five years. Additional time required to complete application of water to the proposed beneficial use three years.
 11. Choice of newspaper for Notice of Intent to Appropriate Water publication Brookings Register
 12. Principal Features of the Proposed Water Supply System.

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

well with electrically driven deep well turbine

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

closed conduit

C. Works proposed to apply water to beneficial use.

center pivot irrigation machineEstimated Total Cost \$ 40,000Attachments: 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 BrookingsI, Melvin Meyer 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 Walter Olson by Melvin MeyerSubscribed and sworn to before me this 1 day of March 1976John J. Wiersma
Notary Public (or other qualified officer)

P.E. #1910

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 2665-3

WALTER OLSON
(Applicant)

Rt #1 Box 35, PLUMMER
(Post Office Address)

IDAHO 83851
(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 MARCH 16 19 76

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

Date of receipt of corrected application MARCH 22 19 76

Approved MAY 20 19 76 Recorded in Book 15 Page 116

WATER RIGHT PERMIT NO. 2665-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 2665-3 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 a applicant may claim right is MARCH 16 19 76
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before NOVEMBER 20 19 78
3. The whole of said work is to be completed on or before MAY 20 19 81
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is MAY 20 19 84
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 2.1 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 MAY 20 19 84; said water to be used during the following described annual period: APRIL THRU OCTOBER

Witness my hand this 8TH day of JUNE 19 76

WATER RIGHTS COMMISSION

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 30', Depth 36'
- (2) Casing Type Fiberglass (wood, concrete, steel, etc) Diameter 16" Thickness 3/8"
- (3) Perforated Screen, Type Sawtooth, Diameter 16", Length 16'
- (4) Gravel Pack, Thickness 5", Length of gravel pack 20'

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 0' to 6' - top material
6' to 36' - mixed sand & gravel with
streaks of clay, 36' clay

Depth to top of water bearing material 6'

Depth to bottom of water bearing material 36'

Thickness of water bearing material 30'

Depth to water (ground surface to water level) 6'

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

On same owner's property 80 rds. On property owned by others 90 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.

Walter Olson Bay Melin & Meyer
Signature of Applicant

March 15, 1976

Mr. Walter Olson
R.R. #1, Box 35
Plummer, Idaho 83851

Dear Mr. Olson:

Enclosed please find the original copy of the report of analysis of water sample #76-167 submitted here March 2 for analysis. I am also enclosing a copy of AES publication #13 with a red cross on the outside back cover denoting the approximate quality of this water for irrigation purposes. You will see that it is in the low sodium, high salinity category. As such, this water has practically no hazard for sodium-caused dispersion of structure and loss of desirable tilth, but a considerable hazard for increase of the total salinity in the soil, and I would recommend very strongly that you use the water in only certain fashions in order to avoid this salinity problem.

This management, or use of water, should be in such a fashion that you completely wet the whole soil profile each time you irrigate and irrigate as infrequently as possible. This means you will have to apply perhaps 3 inches of water in each application and you should not use it more than 3 times in any one growing season, if at all possible. Occasionally, you should let a season go by without any irrigation at all.

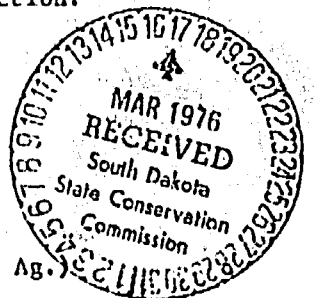
There is considerable effect of climate in this area of the state in modifying the salinity which is carried by irrigation waters and we may be fortunate enough in this county to result in quite effective leaching once in a while. But in other stretches of time, there may be years go by without any effective leaching, and thus you will see a salt build-up. If such salt build-up occurs as evidenced by reduced performance of crops or gray crusts on the soil surface, get in touch with us for further recommendations on management or specific leaching operations.

A copy of this letter, and of the water analysis, and the WI-1 form are being sent to the State Conservation Commission for their action.

Sincerely yours,

L. O. Fink
L. O. Fink
Water Quality Lab
LOF:ckb

cc: State Conservation Commission, P. Pahl, Don Boone (Co. Ext. Ag.)
Enclosures



STATE CONSERVATION COMMISSION
SUPPORTING INFORMATION
FOR APPROPRIATION OF GROUND WATER IN ACCORDANCE
WITH SDCL 46-6-3 AS AMENDED
(This Form Required for Proposed Well Irrigation Only)

FOR COMMISSION USE
Irrigation System: _____
Water Quality: _____
Soils Capability: _____
Approved: Willis Olson
Disapproved: _____

NAME: Willis Olson
ADDRESS: Rt 1 Box 35 Plummer Idaho
COUNTY: Land in Breckinridge County

LEGAL DESCRIPTION

1. WELL LOCATION: SW 1/4 of NE 1/4 sec 27-111-49
2. AREA TO BE IRRIGATED: NE 1/4 sec 27-111-49

TYPE OF IRRIGATION

3. GRAVITY SPRINKLER (Indicate Type): Center Pivot
4. CROPS TO BE IRRIGATED: Corn & Alfalfa

LAND CAPABILITY FOR IRRIGATION

5. PERCENTAGE OF SLOPE: Nearly Level
6. PHYSICAL SOIL CLASSIFICATION FOR IRRIGATION: See page 30 of Breckinridge County Silt map. All within a soil except along west edge which is loamier.

WATER QUALITY (TO BE COMPLETED BY COMMISSION)

7. SAMPLE NO.: 76-167
8. SALINITY: EC = 1009 (high)
9. SODIUM: SAR = 0.85 (low)



I do hereby certify that a chemical analysis of the ground water to be acquired for irrigation from South Dakota State University and:

the land capability for irrigation information has been acquired from

Brookings County Soil Survey

and:

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

Walter Olson, Reg. Min. & Mgr.

Subscribed and sworn before me this

1 day of March 1976.

John S. Jensen

P.E. #19/6

(Title)



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

Submitted by: Walter Olson
 Address: Rt. 1, Box 35
Blummer, Idaho

Date Rec'd March 2, 1976
 Sample No. 76-167
 Identification Well-60
NE1, Sec. 27, T 111N, R 49W

WATER ANALYSIS

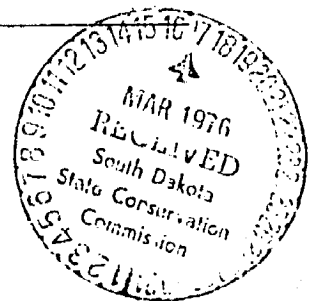
Calcium (Ca)	70	ppm*	3.50	me/l**
Magnesium (Mg)	56	ppm	4.59	me/l
Sodium (Na)	39	ppm	1.70	me/l
Potassium (K)	4	ppm	0.10	me/l
Sulfate (SO ₄)	65	ppm	1.35	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	9	ppm	0.26	me/l
Bicarbonate (HCO ₃)	520	ppm	8.52	me/l
Carbonate (CO ₃)		ppm		me/l
Iron (Fe)		ppm		me/l
Fluoride (F)		ppm		me/l
Hardness (EDTA as CaCO ₃)		ppm		g.p.g.***
Alkalinity (Methyl Orange)	426	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	1009	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.85			
Sodium	17.18	% of cations		
Residual sodium carbonate	0.43	me/l		
pH	7.14			

*ppm==parts per million

**me/l==millequivalents per liter

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

COMMENTS: Total cations 9.89 me/l
 Total anions 10.13 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. 76-167

Amount Enclosed \$

Signed

Form 6 - Notice of Intent to Appropriate Water

NO. 2665-3

Publish first publication, on or before May 6, 1976

NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

April 6, 1976

Notice is hereby given that Walter Olson

whose post office address is Plummer, Idaho, ~~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

2.1 cubic feet of water per second of time from the ~~xxx~~ ground water through the Olson Irrigation Project #1, the point of diversion of which is to be located in the _____

SW 1/4 NE 1/4

of Section 27, Twp. 111N, Range 49W. Said water to be used for the purpose of providing irrigation on the following described land:
NE 1/4, Section 27, T111N, R49W

This application No. ²⁶⁶⁵⁻³~~2665-3~~ will be considered by the Water Rights Commission at their office at Pierre upon the 20th day of May, 1976, at 1:00 P.M. All interested persons may appear and be heard.

WATER RESOURCES COMMISSION

By:

BURTON F. JONES
Water Rights Specialist

BFJ/bw
cc:

Walter Olson, Route #1, Box 35, Plummer, Idaho 83851

500R

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

No. 2665-3

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
) ss.
County Brookings)

I, James M. McLellan Jr. hereby
certify that the annexed printed copy of Notice of Intent to Appropriate
Water was taken from the Brookings Daily Register

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

City of Brookings

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

April 23, 1976

April 30, 1976

J. M. McLellan Jr.
(Signature)

Editor-General Manager
(Title)

4-30-76

(Date Signed)

Legal No. 200 — April 23 & 30
NOTICE

INTENT TO APPROPRIATE WATER
Pierre, South Dakota 57501
April 8, 1976

Notice is hereby given that Walter
Olson whose post office address is
Plummer, Idaho, has made an
application in accordance with the
provisions of the water laws of South
Dakota for a permit to appropriate for
beneficial use 7.1 cubic feet of water per
second of time from ground water
through the Olson Irrigation Project No.
1, the point of diversion of which is to be
located in the SW $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 27,
Twp. 111N, Range 49W. Said water to be
used for the purpose of providing
irrigation on portions of the following
described land:

NE $\frac{1}{4}$, Section 27, T111N, R49W
This application No. —2665—3 will be
considered by the Water Rights
Commission at their office at Pierre
upon the 26th day of May, 1976, at 1:00
P.M. All interested persons may appear
and be heard.

WATER RESOURCES
COMMISSION
BURTON F. JONES
Water Rights Specialist



 **Department of
Water & Natural Resources**

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

February 17, 1989

Walter Olson
RR 1, Box 63
Plummer, ID 83851

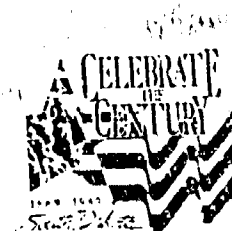
Dear Mr. Olson:

On October 6, 1988, the Water Management Board adopted rules to implement a 1988 law for application of chemicals through irrigation systems. The rules establish equipment standards, performance standards and installation requirements for irrigation systems that apply chemicals (fertilizers, insecticides, or herbicides) with irrigation water.

You have indicated on your 1988 Water Management Board Irrigation Questionnaire that you do apply chemicals with irrigation water. A copy of the new rules for chemigation are enclosed for your information.

The new standards include:

- * a check valve between the irrigation pump and the point of chemical injection;
- * a vacuum relief valve on top of the pipeline between the irrigation pump and the irrigation pipeline check valve;
- * a low-pressure drain on the bottom of the pipeline between the irrigation pump and the irrigation pipeline check valve;
- * a chemical injection line check valve between the chemical injection pump and the point at which the chemical is injected into the irrigation line; a second check valve is required if the chemical injection pump is not a positive displacement pump;
- * an interlock system which ensures that the chemical injection pump will stop whenever the irrigation pump stops;
- * an inspection port between the irrigation pump and the check valve on the irrigation line;



Each of these equipment requirements are discussed more thoroughly in Sections 74:02:09:05 through 74:02:09:10 of the enclosed rules. Appendix A contains diagrams of the arrangements of these anti-pollution devices.

The equipment must be installed according to the manufacturer's specifications, calibrated, and maintained in good working condition. All chemical product labels must be followed and warning signs must be posted. These rules also require reporting of all spills, accidents, and system malfunctions. A 24-hour telephone number is provided.

The chemigation rules contain notification and record keeping requirements. Prior to using chemigation, notification must be given to the Chief Engineer on the enclosed Form 1C. Information that must be provided in this notification includes the water permit or right number, the name, address, and telephone number of the water permit or right holder and of the system operator, and the legal description of the lands on which the system is located. A record of the name, quantity, dates and hours of each chemical applied must be provided to the Chief Engineer on Form 2C. A copy of this form is also enclosed for your information. It will be mailed with the annual irrigation questionnaire and must be returned with the questionnaire by the date specified. If you have any questions regarding these rules or need additional copies of the forms, please contact Susan Bowar, Water Rights Engineer (605-773-3352).

Very truly yours,

John Hatch
JOHN HATCH, Chief Engineer
Water Rights Division

 **Department of
Water & Natural Resources**

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

2665-3

August 23, 1989

Walter Olson
RR #1 Box 63
Plummer, ID 83851

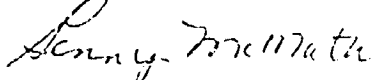
Dear Olson:

The inspection of your water use system and the inspection of the extent of the application of water to beneficial use, as developed under your Water Permit No. 2665-3 has been completed. Your final water right document, the Water License, can now be issued.

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

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

Sincerely,



GENNY MCMATH
Natural Resources Analyst
(605) 773-3352

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



Permit No. 2665-3BIG SIOUX RIVER Water District**Report Of Examination Of Works And/Or Application Of Water To Beneficial Use**

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

I have this day made a thorough examination of the water use system constructed by WALTER OLSON of PLUMMER, IDAHO 83251 holder ofPermit No. 2665-3, bearing the priority of MARCH 16, 1976 authorizingthe diversion of 2.1 cu. ft. per second of the waters of GROUNDWATERfor IRRIGATION purposes, in BROOKINGS County.

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

A. Works used to divert the water:

ONE 73' DEEP WELL WITH 56' OF 14" DIAMETER STEEL CASING + 15' OF JOHNSON SS SCREEN
 A NATIONAL PUMP; MODEL-N260; FIT-B; 850 GPM CAPACITY; SERIAL# 777-320
 A 75 HP U.S. ELECTRIC HIGH THRUST MOTOR; ID# 6326 / P03 P322 R III-14; TYPE-RU; 1765 RPM

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

70 FEET OF 8" ABOVE GROUND ALUMINUM PIPE

C. Works used to apply water to beneficial use:

AN 8 TOWER ELECTROGATOR REINKE CENTER PIVOT WITH NELSON 100 END GUN
 1292' LONG; HIGH PRESSURE (70 PSI); 850 GPM CAPACITY
 MODEL-680; SERIAL# 1077C4682

The system is in the following condition GOODThe point of diversion is located 1310' WEST + 1380' SOUTH OF THE NORTHEAST CORNER OF SECTION 27, T11N, R49WThe works are capable of diverting and conveying to the place of use 1.89 (850 GPM)cu. ft. per second of water which is to be used for IRRIGATIONWater has been put to beneficial use to the maximum extent as follows: ALL IN SECTION 27, T11N, R49WNW 1/4 NE 1/4 - 33 ACRESNE 1/4 NE 1/4 - 32 ACRESSE 1/4 NE 1/4 - 32 ACRESSW 1/4 NE 1/4 - 33 ACREScomprising a total of 130 acres of land and the license should be issued for 1.86 cfsApplicable permit qualifications have been complied with ☒ Yes ☐ NoExceptions to compliance are: _____ Date 8-17-88

Thomas M. Bramble
 (signature)

LICENSE FOR PERMIT NUMBER 2665-3

1. Legal location of wells: Near Center of NE $\frac{1}{4}$ of Section 27, T11N, R49W.
dams & structures: 1 Center Pivot, Near center of NE $\frac{1}{4}$, Sec. 27, 11N, 49W.

2. Well Information: Well Drilling Firm Kaiser

Completion Report Yes ☒ No ☐ No. of Wells 1 Depth 73'

Casing a) diameter _____ Screen a) type _____
b) length _____ b) length _____
c) type _____ Static Water Level 34'

Pump a) make _____ Motor a) make _____
b) model _____ b) model No. _____
c) size _____ c) horsepower rating _____
d) capacity _____ gpm
e) turbine pump - no. of stages _____
f) operating PSI _____

(Other information on
examination report)

3. Distribution lines or canals

a) size 8"
b) type Aluminum (above ground)
c) length See Map

4. Dam Information:

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

5. System Type a) sideroll:

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

c) gun

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

e) gated pipe

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

f) portable boom

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

b) towline:

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

d) center pivot

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

g) siphons

- 1) size _____
- 2) number _____

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

Indicate any other permit(s) which are associated with project _____

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? There prior to any chemigation rules.

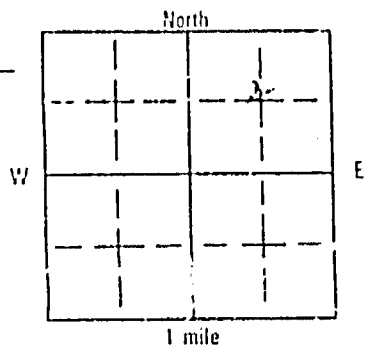
REMARKS:

SOUTH DAKOTA WATER WELL COMPLETION REPORT (Production Well) 10-85

Location N 1/4 Sec 27 Twp 11N Rg 49W

County Brookings

Please mark well location with an "X"



Well Owner:

Name Walter Olson

Address Manly, Idaho

Well Log:

Depth:

Formation	From	To
Top soil	0	1 1/2'
yellow clay	1 1/2'	12'
gray clay layers	12'	20'
gravel	20'	37'
yellow clay	37'	39'
gravel	39'	71'
yellow clay	71'	73'

Well Completion Date 7/25/77

PROPOSED USE:

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

Method of Drilling:

direct Rotary

CASING DATA:

- ☒ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	IN	FT	FT	IN
14	1 1/2	2	56	18

STATIC WATER LEVEL 34 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? _____

GROUT:

Was the well grouted? ☐ YES ☒ NO

To what depth? _____ FEET

What is grouting material? _____

If cement, number of sacks? _____

Describe grouting procedure _____

What was grout weight? _____ LB/GAL

SCREEN: ☐ Perforated pipe ☒ Manufactured

Diameter 1 1/2 IN Length 25 FEET

Material Johnson Stainless Steel Hi-Q

Slot Size 250 Set From 56 Feet To 71 Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information _____

WELL TEST DATA:

☒ Pumped

☐ Bailed

☐ Other

Describe: Turbine pump

Pumping Level Below Land Surface

<u>70</u> ft.	After <u>8</u> Hrs.	pumped <u>350</u> GPM
<u>60</u> ft.	After <u>24</u> Hrs.	pumped <u>650</u> GPM
<u>51</u> ft.	After <u>72</u> Hrs.	pumped <u>850</u> GPM

REMARKS: WE STOPPED THE WELL FOR 5 DAYS IN ORDER TO GET THE WELL TO PRODUCE. USED LARGE BLOCKS OF SODIUM TRIPOLYPHOSPHATE, RAN THE WELL WITH THE PUMP IN ORDER TO GET THE PRODUCTION UP.

Was a packer or seal used? ☐ YES ☐ NO

If so, what material? _____

Describe packer(s) and location? _____

This well was drilled under license # 337

And this report is true and accurate.

Drilling firm RAISER WELL DRILLING

Signature of License Representative: Ronald Allen Raiser

Signature of Well Owner: _____

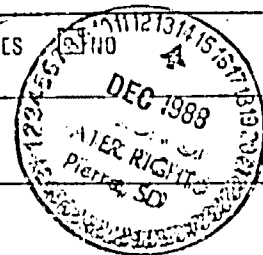
Date 7/25/77

Was well disinfected upon completion? ☒ YES ☐ NO

Explain HTH TABLETS

Bacteriological analysis ☐ YES ☒ NO

Laboratory sent to _____

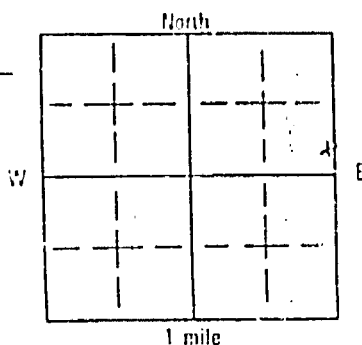


SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85 (Capped)

Location N 1/4 Sec 27 Twp 114 N Rg 49 WCounty Brookings

Please mark well location with an "X"

Well Completion Date 12/20/78

PROPOSED USE:

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

Method of Drilling:

Direct Rotary

CASING DATA:

☒ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
14 LB/FT	14 IN	4 1/2 FT	73 FT	12 IN
14 LB/FT	14 IN	FT	FT	IN
14 LB/FT	14 IN	FT	FT	IN
14 LB/FT	14 IN	FT	FT	IN

GROUT:

Was the well grouted? ☐ YES ☒ NO

To what depth? _____ FEET

What is grouting material? _____

If cement, number of sacks? _____

Describe grouting procedure _____

What was grout weight? _____ LB/GAL

SCREEN: ☐ Perforated pipe ☒ ManufacturedDiameter 1 1/4 IN Length 30 FEETMaterial Johnson SS H-I-RSlot Size 150 Set From 93 Feet To 123 Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information _____

Was a packer or seal used? ☐ YES ☒ NO

If so, what material? _____

Describe packer(s) and location? _____

Was well disinfected upon completion? ☒ YES ☐ NOExplain with TabsBacteriological analysis ☐ YES ☒ NO

Laboratory sent to _____

Well Owner:

Name State of Walter OlsonAddress Plummer, Idaho

Well Log:

Depth

Formation	From	To
Topsoil	0	1 1/2
yellow clay	1 1/2	3'
yellow gravel	3'	65'
blue gravel	65	123'
Blue clay	123'	130'

STATIC WATER LEVEL 32 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☐ OtherDescribe: Turbine

Pumping Level Below Land Surface

56 ft. After 72 Hrs. pumped 2,400 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS: This well was never used. There was a dispute between the Farmers + Clark Irr. over crossing the land or using the county ditches to irrigate Section 36 when Mr. Olson found out about this he tabled the project. This dispute was brought on by James Johnson employee of Clark Irr., which tried to Rail Road it through.

This well was drilled under license # 337

And this report is true and accurate.

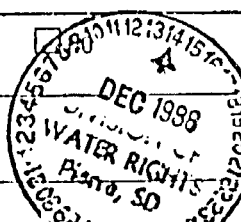
Drilling firm Kain Well Works

Signature of License Representative:

James Johnson

Signature of Well Owner:

Date

12/12/88

STATE OF SOUTH DAKOTA
WATER LICENSE NO. 2665-3

(1) Walter Olson of RR #1 Box 63, Plummer, Idaho 83851 made Application No. 2665-3, March 16, 1976 for a water permit to appropriate 2.1 cubic feet of water per second from groundwater (one well), Brookings County, South Dakota for irrigation purposes. Permit No. 2665-3 with a priority date of March 16, 1976 was approved May 20, 1976 and issued to applicant(s) for diversion of water with construction of the described water supply system to be completed on or before May 20, 1981 and for the application to beneficial use of said water on or before May 20, 1984.

(2) It is certified that the applicant has complied with the provisions of South Dakota State Law relating to completion of the construction of the water supply system and is entitled to divert 1.86 cubic feet of water per second for beneficial use. The location of the diversion point is: 1510' W and 1380' S of the NE corner of Section 27, T111N, R49W.

(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:

T111N, R49W, Section 27	NW1/4 NE1/4	33	acres
	NE1/4 NE1/4	32	"
	SE1/4 NE1/4	32	"
	SW1/4 NE1/4	<u>33</u>	"
	Total	130	acres

(4) Pursuant to Section 46-5-20.1 Walter Olson of RR #1 Box 63, Plummer, Idaho 83851 the holder(s) and/or owner(s) of Water Permit No. 2665-3 is issued a license to appropriate water, the right to use 1.86 cubic feet of water per second from groundwater (one well) with a priority date of March 16, 1976 from the location specified in (2) of this license. The water is to be conducted to and upon lands specified in (3) of this license for the purpose of irrigation. This license is subject to any limitations or qualifications listed in Water Permit No. 2665-3 and subject to South Dakota State Law.



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

SEP 14 1989

RECEIPT

Division of Water Rights

South Dakota Department of Water and Natural Resources

411900

Pierre, September 7, 1933

RECEIVED OF Walter Olson, RR #1 Box 63, Plummer, ID 83451
the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit No. _____ to Appropriate Water, to construct works and to put water to beneficial use _____		
Fee for Application for Permit No. _____ to Appropriate Water for Future Use _____		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. <u>2005-3</u>	50	00
Fee for Filing Transfer Form _____		
Fee for Filing Extension Request _____		
Fee for Certified Copy of _____		
Fee for Print Copy of Map _____		
Fee for Certifying _____		
Fee for _____		
(Any Other Work Provided by Law)		
Total	50	00

By Wm. H. H. H. H. H.
Chief Engineer Wm. H. H. H. H.



Department of Water & Natural Resources

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

2665-3

SEP 14 1989

Walter Olson
RR #1 Box 63
Plummer, ID 83851

Dear Mr. Olson:

Enclosed is Water License No. 2665-3. This is the final water right document completing your process of obtaining a Water Right. Enclosed is Receipt No. 411900 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. 2665-3, constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

As long as you use the water beneficially, as stated in the Water License, the State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Very truly yours,

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

enclosures



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

December 9, 1999

2665-3

John P & Evelyn Giudice
360 Tyler Rd
Plummer, ID 83851

Dear Mrs. & Mrs. Giudice:

Thank you for the prompt return of the 1999 irrigation questionnaire for Water Right No. 2665-3. If I understand correctly, you wish to have the water right changed from Walter Olson's name to your names.

I am enclosing a partially completed "Notice of Transfer of Ownership" form to be used for this purpose. Please complete the form as needed and sign it in the presence of a notary public. Upon completion, please return the form to our office with a required filing fee of \$2.50. The check or money order may be made payable to the "Water Rights Program."

As soon as we receive the transfer form and filing fee, Water Right No. 2665-3 will be transferred to your names. If you have any questions concerning the water right or completion of the enclosed form, please get in touch with me.

Sincerely,

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

enclosures

12/21/99 Darrel Pahl called - said that Walter Olson is deceased - his widow (Evelyn Giudice) wants to leave WR under Walter's name for awhile. Eventually will be transferred to "W. H. & M. E. Family Farms Ltd."

WALTER OLSON

Irrigation Project #1

Rt. 1 Box 35 Plummer

Idaho

Land in
Brookings County

Acres Irrigated - 152

Water Claimed - 2.1 cfs

Point of Diversion - 3040' N 124° W
of NE corner sec 27 - 111-49

Surveyor's Certificate

I John L. Wiersma, do hereby certify
that this map identifies a reasonably
accurate record of the land of:

Walter Olson

Plummer

Idaho

3-1-76

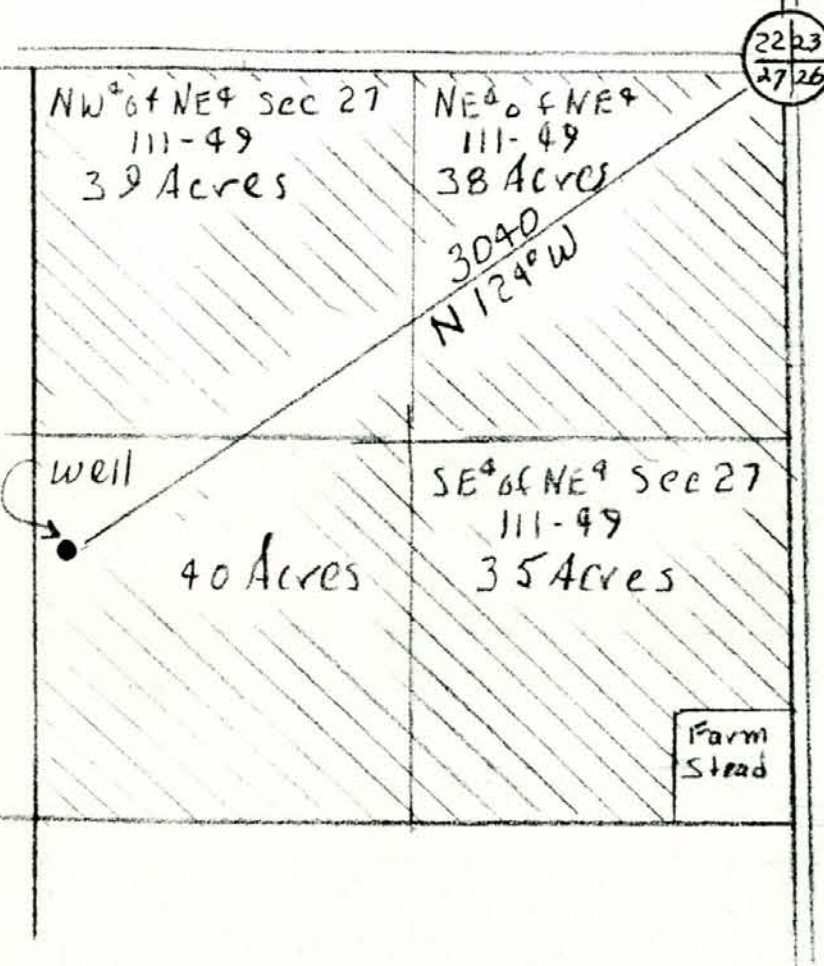
John L. Wiersma

Drawn by J. L. W.

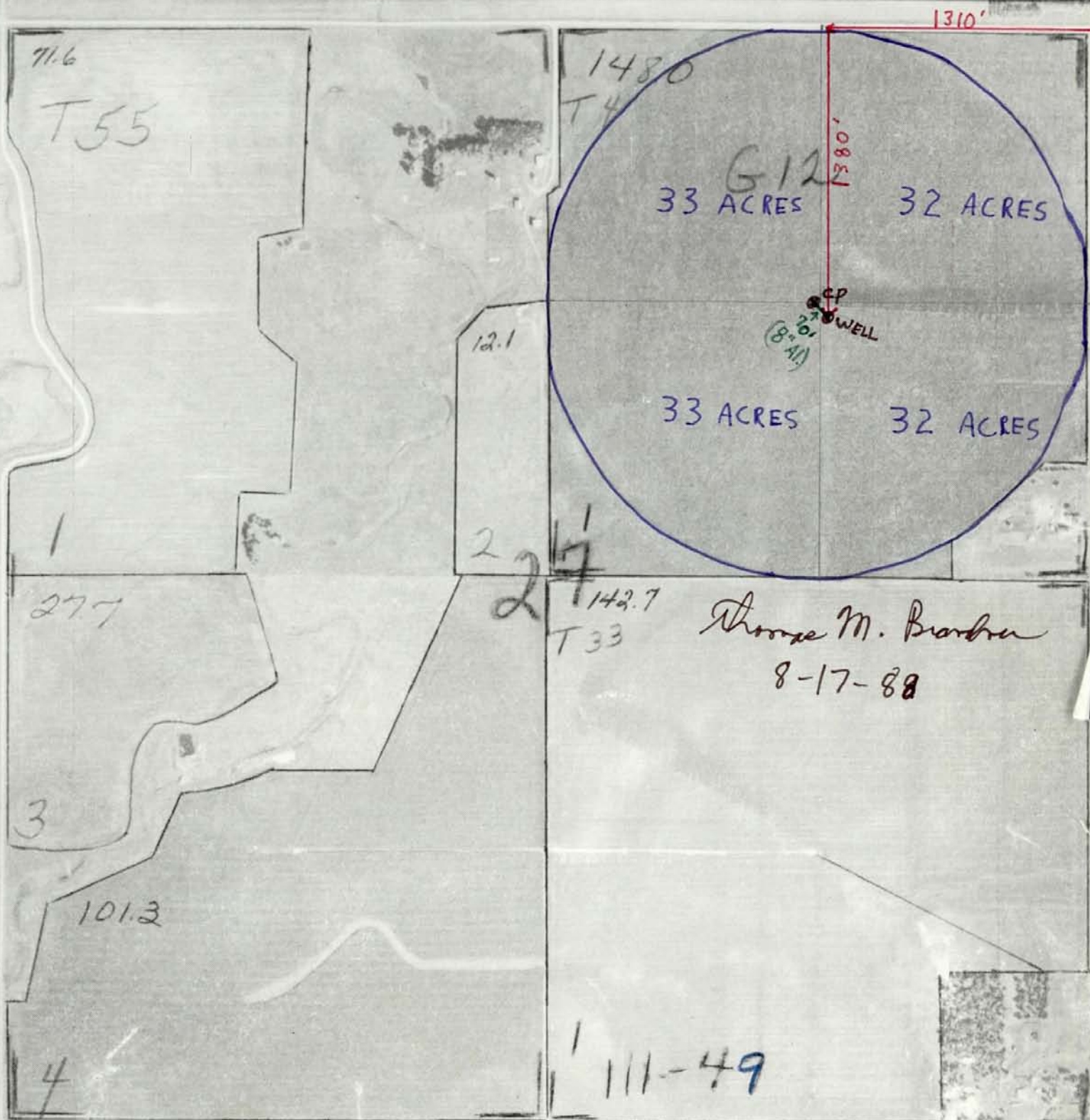
P.E. # 1916

Brookings S.D.

Scale 8" = 1 Mile



NOT TO SCALE



Water Right
No. 2665-3
G12

NOT TO SCALE

