

WATER PERMIT NO. 6515-3

Name of Applicant: **Harold Clyde Rosenbaum**

Address: **33202 478th Ave, Jefferson SD 57038**

Phone: **605 356-2782**

Amount of Water Claimed: **1.70 cfs**

Total Acres: **119**

Source of Water Supply: **groundwater (one well)**

Water to be used for: **irrigation**

County: **Union**

Type of Waste Disposal System:

Location: **10 miles southeast of Elk Point**

PRIORITY

Date Received: **6-16-2004**

Application/License Fee: **\$275**

Corrected Application Received:

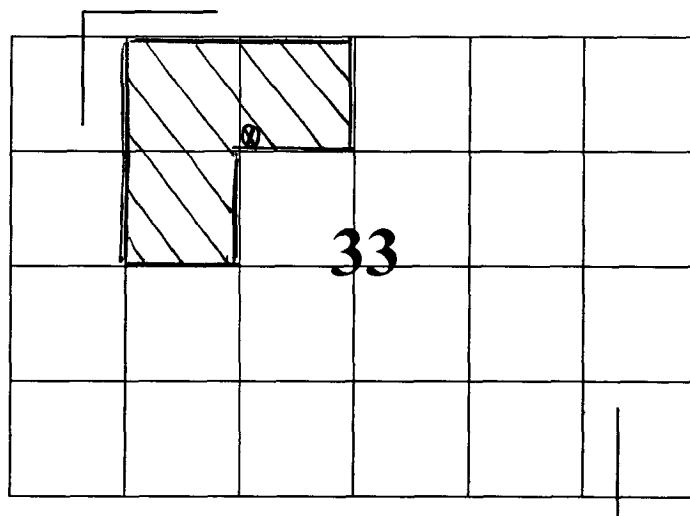
Period of Annual Use: **June 1 – September 30**

Remarks:

Diversion Point: **NE ¼ NW ¼ Sec 33-T90N-R49W**

Land to be Irrigated: **N ½ NW ¼, SW ¼ NW ¼**

Sec 33-T90N-R49W



Depth of Well: **110 feet deep**

Well Driller:

Remarks:

Type of Map: **aerial**

Prepared by: **Larry D Wilcox, Union Co. FSA**

Reviewed and the Number Assigned on: **6-16-04**

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____

RECEIVED
JUN 16 2004
WATER RIGHTS
PROGRAM

Mail to: Water Rights Program Joe Foss Building 523 E. Capitol Pierre, SD 57501-3181 (605) 773-3352	No. <u>6515-3</u> (office use only)
	Hydrologic Unit <u>10170101</u>
	Basin <u>Missouri River</u>
	Newspaper <u>Leader-Courier, Elk Point</u>

Application For Permit To Appropriate Water For Irrigation

Type of Application: ☒ New ☐ Vested Right ☐ Amendment/Correction to Permit No. _____
(Use predates Mar 2, 1955)

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.)

- Name of Applicant Harold Clyde Rosenbaum Phone (605) 356-2782
(check one) ☒ Owner ☐ Tenant/lessee
Mailing Address 33202-478th Ave. Jefferson State SD 57038
(Street, RR, or Box and City) (Zip Code)
- Amount of water claimed 1.70*CFS or 775**GPM ***AF Total Acreage 119
(*Cubic Feet per Second) (**Gallons per Minute) (***) Acre Feet - storage capacity of dam/dugout or annual use if applicable
- Source of water supply Diversion by Well
- Location of point of diversion (example - 3 wells in SW 1/4 NE 1/4 section 12-T104N-R53W) County UNION
1-well located on W 1/2 NW 1/4 + NE 1/4 NW 1/4 in Section 33-T90-R49
(NE 1/4 NW 1/4)
- County or counties where water will be used UNION
- Annual period during which water is to be used June 1 to Sept 30
- List below each forty acre division, or lot, or fraction thereof and show number of acres to be irrigated in each.
(Attach sheet if more space is needed)

Land Description	Acres	Land Description	Acres
<u>NE 1/4, NW 1/4 33-90-49</u>	<u>40</u>		
<u>NW 1/4, NW 1/4 33-90-49</u>	<u>40</u>		
<u>SW 1/4, NW 1/4 33-90-49</u>	<u>39</u>		

- Give a description of the project. (Attach sheet if more space is needed)
well or Diversion point be drilled on NE 1/4, NW 1/4 33-90-49 for a
center pivot irrigator.

STATE OF SOUTH DAKOTA) SS
County of UNION

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

I, Harold Clyde Rosenbaum, the applicant, certify that I have read this application, have examined the attached map and that the matters stated are true and that I intend, and am able to complete the necessary construction

Applicant's signature Harold Clyde Rosenbaum

Subscribed and sworn to before me this 14th day of June 20 04

Paul K. Preister



PAUL K. PREISTER NOTARY PUBLIC
SOUTH DAKOTA

MY COMMISSION EXPIRES JANUARY 16, 2007

Notary Public signature

**SOUTH DAKOTA
WATER PERMIT NO. 6515-3**

Date of first receipt of application June 16, 2004.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 6515-3 to Harold Clyde Rosenbaum, 33202 478th Ave, Jefferson SD 57038 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. 6515-3 appropriates 1.70 cubic feet of water per second from one well completed into the Missouri:Elk Point Aquifer (110 feet deep) located in the NE ¼ NW ¼ Section 33 to irrigate 119 acres located in the N ½ NW ¼, SW ¼ NW ¼ Section 33; all in T90N-R49W.
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: June 1 – September 30.
3. The date from which applicant may claim right is June 16, 2004.
4. The date of approval of Permit No. 6515-3 is August 30, 2004.
5. One-fifth of the construction is to be completed on or before March 1, 2007.
6. All construction is to be completed on or before August 30, 2009.
7. Water is to be put to beneficial use on or before August 30, 2013.
8. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

1. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The well authorized by Permit No. 6515-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
3. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

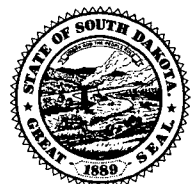
WATER MANAGEMENT BOARD

By: Garland Erbele

Garland Erbele, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

NOV 30 2004

date



(type or print in ink)

1. Well Information - Proposed Construction

- a) Drill Hole Diameter 22" Depth 110
- b) Casing Type PVC Diameter 16" Thickness 1"
- c) Screen Type PVC Diameter 16" Thickness 1"
- d) Gravel Pack 1/4-18 Length of Gravel Pack 50"
- e) Depth to Top of Water Bearing Material 60'
- f) Depth to Water (ground surface to water level) 17'
- g) Distance to nearest existing domestic well: 1/4 of a mile
- On applicants property Yes ☒ On property owned by others _____

2. Wastewater Disposal System Information

- a) Type of System (i.e. septic tank, drain field) _____
- b) System Capacity (gallons) _____ Year Constructed _____
- c) Connected to the City of _____ Sanitary System

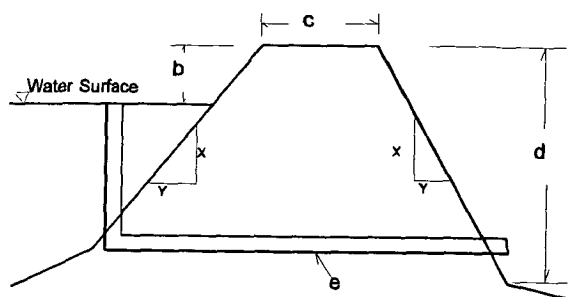
3. Dugout Information

- a) Surface Dimensions _____ Depth _____
- b) Depth to water (ground surface to water level) _____

4. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

- a) If a private engineering firm or government agency was involved in the design of this dam, please give their name and address:



- b) Freeboard _____
- c) Crest Width _____
Crest Length _____
- d) Height _____
- e) Primary Outlet Capacity _____
If pipe, diameter _____
- f) Secondary Spillway Capacity _____
Spillway Width _____
- g) X & Y Slope _____
Upstream _____
Downstream _____
- h) Surface Area of Impoundment _____
- i) Storage _____ Acre Feet
- j) Drainage Area Above Dam _____ Acres

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date June 16, 2008

RECEIVED OF Mary Jane Rosenbaum, 33202 478th Ave., Jefferson SD 57038-6819

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

Fee for Application for Permit No. <u>6515-3</u> to Appropriate Water, to construct and to put water to beneficial use	225	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. <u>6515-3</u>	50	00
Fee for Filing Transfer Form _____		
Fee for _____		
Fee for Issuing New Well Driller's License No. _____ for C.Y. _____		
Fee for Renewal of Well Driller's License No. _____ for C.Y. _____		
Fee for Issuing Well Pump Installer's License No. _____ for C.Y. _____		
Fee for Renewal of Well Pump Installer's License No. _____ for C.Y. _____		
(Any Other Work Provided by Law)	TOTAL	275.00

No. 2008-19

By Darlene A. Albrecht

Chief Engineer gm



United States Department of Agriculture
Farm Service Agency

33-90-49

April 5, 2004

Union County



1997 Digital Orthophotography - Not To Scale

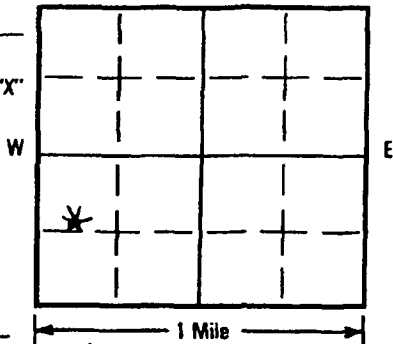
6515-3

SOUTH DAKOTA WATER WELL COMPLETION REPORT

6453-3 07-92

Location: NW 1/4 SW 1/4 Sec 29 Twp 90N Rg 49W
 County Union 33 North

Please mark well location with an "X"



Well Completion Date

6-18-03

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? +100 ft. from acreage home (identify source).

PROPOSED USE:

- ☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☒ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:

Mud Rotary

CASING DATA:

- ☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>200 LB/FT</u>	<u>12 IN</u>	<u>0 FT</u>	<u>100 FT</u>	<u>17 IN</u>
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
<u>Cement</u>	_____	_____ lb./gal	<u>30 ft</u>	<u>0 ft</u>
_____	_____	_____ lb./gal	_____ ft	_____ ft

Describe grouting procedure Pumped in from bottom

SCREEN: ☒ Perforated pipe ☐ Manufactured

Diameter 12 IN Length 40 FEET

Material PVC

Slot Size 60 Set From 100 Feet to 60 Feet

Other information _____

WAS A PACKER OR SEAL USED? ☐ YES ☒ NO

If so, what material? _____

Describe packer(s) and location? _____

DISINFECTION: Was well disinfected upon completion?

☒ YES, How: Pumped in from tanker
☐ NO, Why Not? _____

Laboratory sent to for water quality analysis _____

Well Owner: Trudeau Farms

Business Name: _____

Address: 33060 480 Ave
Jefferson, SD 57038

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
<u>Clay</u>	<u>0</u>	<u>2</u>
<u>Sand</u>	<u>2</u>	<u>45</u>
<u>Gravel</u>	<u>45</u>	<u>47</u>
<u>Med. sand</u>	<u>47</u>	<u>65</u>
<u>Med gravel</u>	<u>65</u>	<u>68</u>
<u>Med sand</u>	<u>68</u>	<u>100</u>

STATIC WATER LEVEL 19 Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

- ☒ Pumped Describe: _____
☐ Bailed _____
☐ Other _____

Pumping Level Below Land Surface

53 ft. After 4 Hrs. pumped 425 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate Approx 400 GPM

REMARKS

RECEIVED

JAN 29 2004

WATER RIGHTS
PROGRAM

This well was drilled under license # 667

And this report is true and accurate.

Drilling firm Dakota Drilling & Backhoe, Inc

Signature of License Representative: _____

Signature of Well Owner or Equitable Property Holder: _____

Date: 1-25-04

REPORT ON WATER PERMIT APPLICATION NO. 6515-3
For Harold Clyde Rosenbaum
July 21, 2004

Application No. 6515-3 proposes to appropriate 1.70 cfs (763 gpm) from one well approximately 110 feet deep located in the NE ¼ NW ¼ of section 33 to irrigate 119 acres located in the N ½ NW ¼, SW ¼ NW ¼ of section 33; all in T90N R49W in Union County.

AQUIFER – MISSOURI ELK POINT (M-EP)

The Missouri Elk Point is a surficial outwash (sand and gravel) that is under water table conditions in this area. The Missouri Elk Point aquifer as described by Hedges (Hedges, 1982) is roughly the equivalent of the Missouri aquifer as described by Niehus. The aquifer underlies 180 square miles and contains an estimated 1.5 million acre-feet of water in storage in Union County (Niehus, 1994). The aquifer extends into Clay County to the west, blends into the Lower Vermillion Missouri aquifer to the northwest, blends into the Big Sioux South aquifer to the north, and is hydraulically connected to both the Big Sioux and Missouri Rivers. The aquifer also directly overlies the Dakota Formation which is also considered an aquifer in the southern portion of Union County (Niehus, 1994) and the Missouri:Elk Point Aquifer probably receives leakage from the Dakota Formation.

No test well information was included with this application however there is sufficient information available from the county study report, other irrigation and domestic wells in the immediate area and observation wells to evaluate this application.

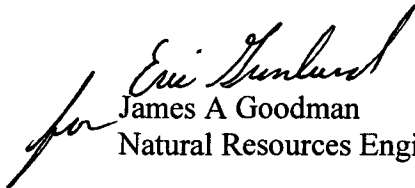
The Water Rights Program monitors four observation wells completed into the Missouri Elk Point aquifer and located within a three mile radius of this application. The nearest of these observation wells is UN-99A and is located about one-half mile north of this application. Water levels for UN-99A, UN-77R and UN-77P and the others from the Missouri Elk Point aquifer show good response to climatic conditions that is rising water levels during wet years (recharge) and gradually declining water levels during dry years. Hydrographs for UN-99A, UN-77R and UN-77P are included with this report (Water Rights, 2004). The latter two observation well hydrographs are included because of the short term record on UN-99A. In general, the water level records indicate that the aquifer is capable of sustaining additional withdrawals.

REVIEW OF EXISTING WATER PERMITS/RIGHTS

There are five permitted or existing irrigation wells within a one mile radius of this application. Interference is not expected to be a concern. The aquifer is under water table conditions and is very prolific in this area. Drawdown created by pumping is not significant. This entire area is fairly intensively irrigated all from the Missouri Elk Point aquifer. The water level record from the observation wells indicate that significant drawdown does not occur. Interference is not expected to be a concern.

CONCLUSIONS

1. Water is available from the Missouri Elk Point aquifer.
2. The aquifer is under water table conditions in this area. Drawdown created by pumping is not expected to be significant. Interference should not be a concern.
3. The well authorized by this application must be constructed in accordance with SD Well Construction Standards.


James A Goodman
Natural Resources Engineer

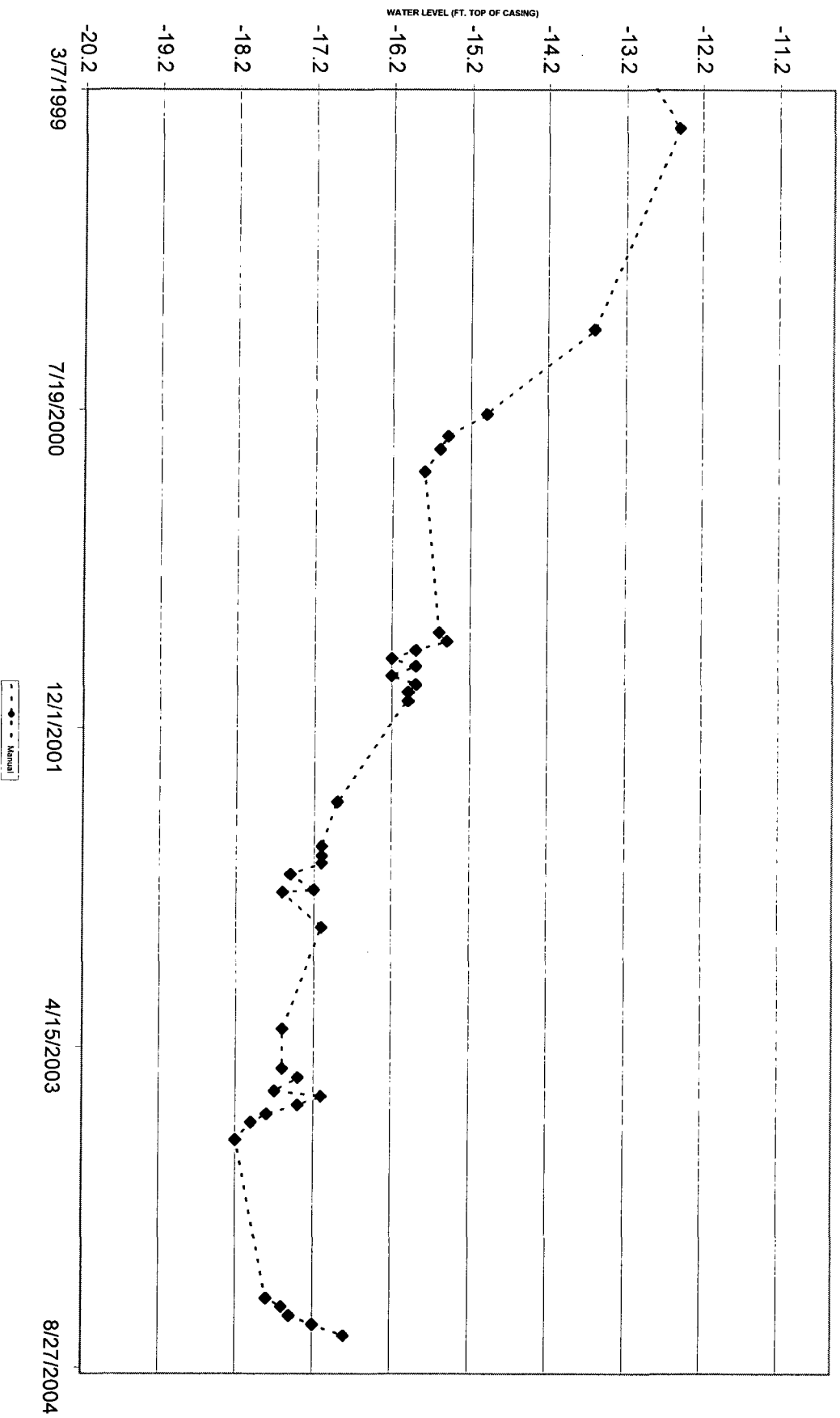
BIBLIOGRAPHY

Hedges, L.S., and others, 1982, Evaluation of Ground-Water Resources Eastern SD and Upper Big Sioux River, SD and Iowa, for US Army Corps of Engineers, SD DENR, SDGS, Vermillion, SD, 57609.

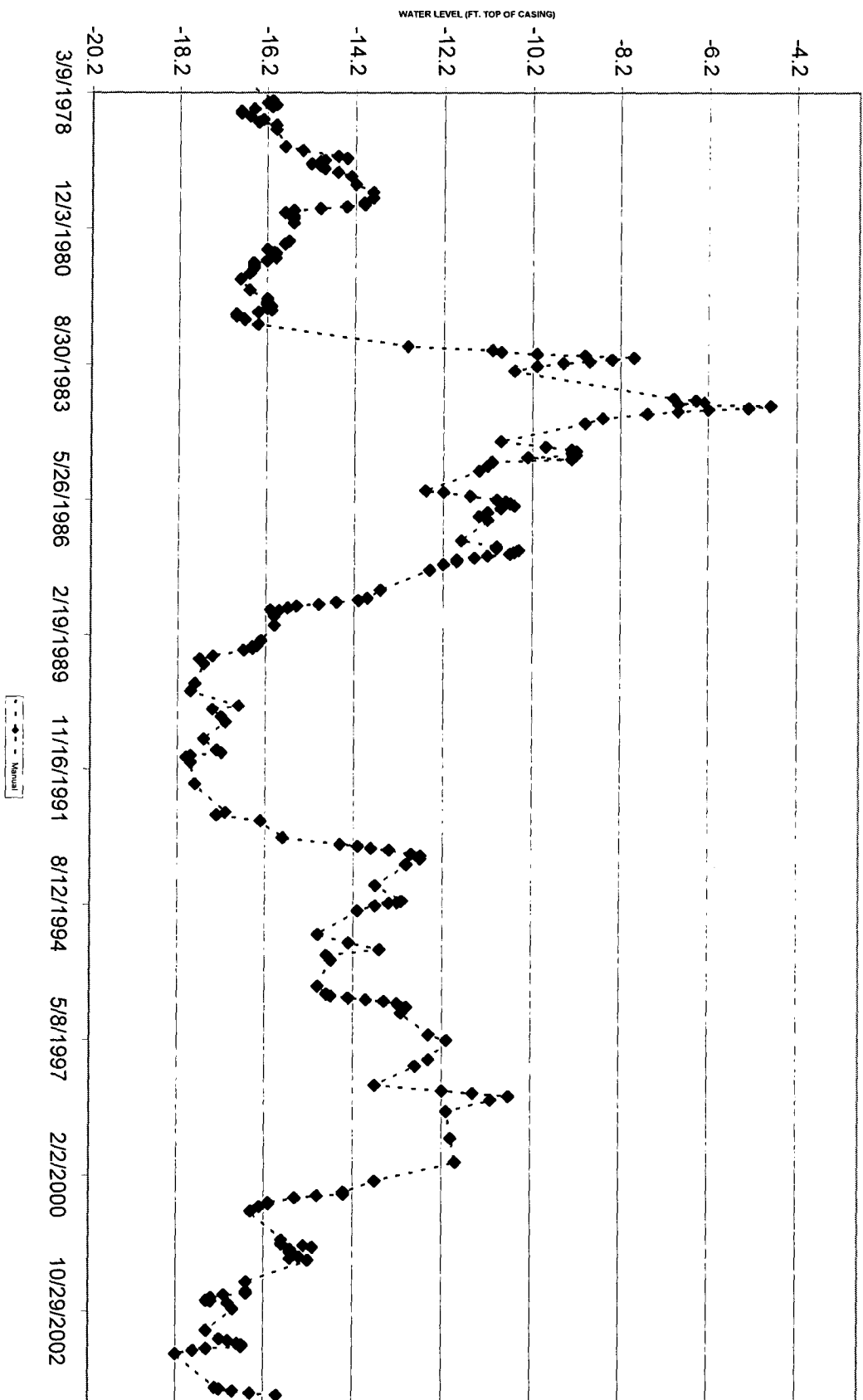
Niehus, C.A., 1994, Water Resources of Lincoln and Union Counties, South Dakota, Water-Resources Investigations Report 93-4195, USGS, Rapid City, SD, 57702.

Water Rights, 2004, Unpublished Observation Well Data for Union County, SD DENR, DES, Water Rights Program, Pierre, SD, 57501.

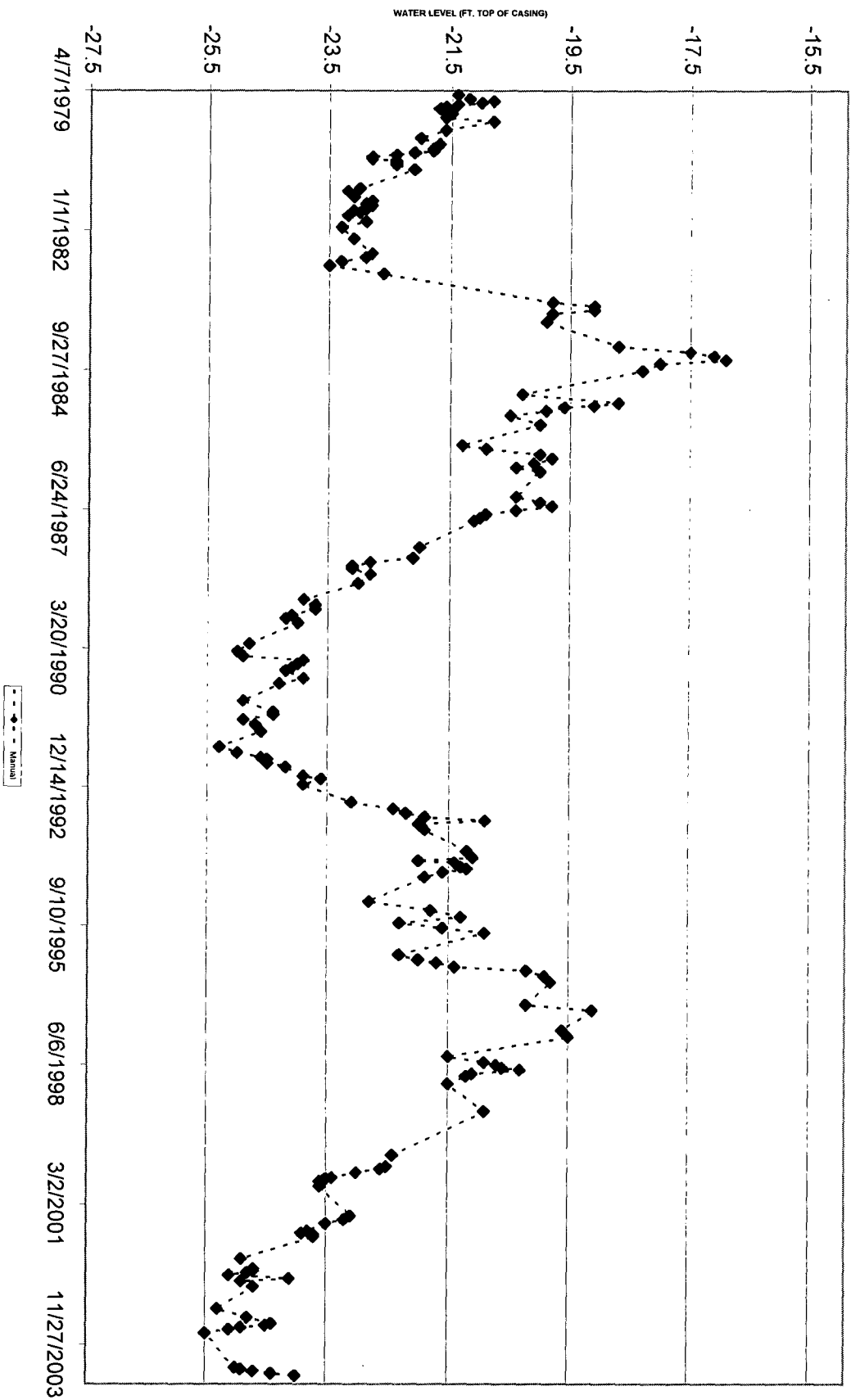
WATER RIGHTS' OBSERVATION WELL
UN-99A



WATER RIGHTS' OBSERVATION WELL UN-77P



WATER RIGHTS' OBSERVATION WELL
UN-77R





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 6515-3, Harold Clyde Rosenbaum**

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Program, Department of Environment and Natural Resources concerning Water Permit Application No. 6515-3, Harold Clyde Rosenbaum, 33202 478th Avenue, Jefferson SD 57038.

The Chief Engineer is recommending APPROVAL of Application No. 6515-3 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion can be developed without unlawful impairment of existing rights, 3) the proposed use is a beneficial use and 4) it is in the public interest with the following qualifications:

1. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The well authorized by Permit No. 6515-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
3. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

See report on application for additional information.

Garland Erbele, Chief Engineer
July 28, 2004



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

July 29, 2004

Leader-Courier
PO Box 310
Elk Point SD 57025-0310

ATTENTION: Legal Public Notice

Enclosed is a Notice on Application No. 6515-3 to Appropriate Water to be published twice. Please publish the first notice on August 5, 2004 with the second publication 7 days later. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352.

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 Harold Clyde Rosenbaum, 33202 478th Ave, Jefferson SD (Ph # 605-356-2782).

Please send the Water Rights Program the first publication immediately. The publication is checked for accuracy so any corrections can be made in the second publication. You may use the form below or fax a copy of the first publication. Any fax should be sent to the attention of Karen Schlaak at (605) 773-4068. Publication errors can invalidate the public notice.

After the second publication, **please send us an affidavit or use the enclosed Proof of Publication form.** The applicant pays the cost of publication, but the Water Rights Program records require an affidavit or Proof of Publication. Delays in receiving the affidavit can be costly to the applicant.

Sincerely,


Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

-----CUT HERE-----

No. 6515-3

TO: Eric Gronlund
Water Rights Program
Joe Foss Building
Pierre SD 57501-3181

Date _____

We are in receipt of your letter of July 29, 2004 enclosing Notice to Appropriate Water by Application No. 6515-3 which was first published in our issue of _____. ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.

Name

Newspaper



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

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

July 29, 2004

Harold Clyde Rosenbaum
33202 478th Ave
Jefferson SD 57038

Dear Mr. Rosenbaum:

Water Permit Application No. 6515-3 for irrigation use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice has been sent to the Publisher of the Leader-Courier printed at Elk Point, SD (Ph # 605-356-2632). You will need to contact the newspaper and authorize publication of this notice. 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 and to arrange for payment. Early contact with the paper can eliminate delays. Upon receiving authorization, the publisher has been instructed to publish your notice once each week for two consecutive weeks. The newspaper has also 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
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.

Instruction to Newspaper - Publish first Notice on August 5, 2004 with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NO. 6515-3 to Appropriate Water

Notice is given that Harold Clyde Rosenbaum, 33202 478th Ave, Jefferson SD 57038 has filed an application for a water permit to appropriate 1.70 cubic feet of water per second from one well completed into the Missouri:Elk Point Aquifer (110 feet deep) located in the NE ¼ NW ¼ Section 33 to irrigate 119 acres located in the N ½ NW ¼, SW ¼ NW ¼ Section 33; all in T90N-R49W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6515-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the Chief Engineer will act on the application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider the application. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting this application or recommendation must file a written petition with BOTH the applicant and Chief Engineer. The applicant must file a petition if contesting the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Program, 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 August 23, 2004.

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. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to this application. Steven M. Pirner, Secretary, Department of Environment and Natural Resources.

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County of Union) SS

I, Susan Odson

certify that the attached printed Notice was taken

from the Leader-Courier

printed and published in Elk Point

County of Union and

state of South Dakota. The notice was published

in the newspaper on the following two dates:

August 12, 2004

August 19, 2004

Cost of Printing \$37.63

Susan Odson

(Signature)

Affidavits Coordinator

(Title)

August 19, 2004

(Date Signed)

NOTICE OF APPLICATION
NO. 6515-3 TO
APPROPRIATE WATER

Notice is given that Harold Clyde Rosenbaum, 33202 478th Ave., Jefferson, SD 57038 has filed an application for a water permit to appropriate 1.70 cubic feet of water per second from one well completed into the Missouri: Elk Point Aquifer (100 feet deep) located in the NE1/4 NW1/4 Section 33 to irrigate 119 acres located in the N1/2 NW1/4, SW1/4 NW1/4 Section 33; all in T90N-R49W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6515-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the Chief Engineer will act on the application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider the application. Notice of the hearing will be given to the applicant and any person filing a petition.

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Steven M. Pirner, Secretary, Department of Environment and Natural Resources.

Publish August 5, 12 and 19, 2004

32-3 - 67

RECEIVED

AUG 20 2004

WATER RIGHTS
PROGRAM



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

NOV 30 2004

Harold Clyde Rosenbaum
33202 478th Ave
Jefferson SD 57038

Dear Mr. Rosenbaum:

Enclosed is Water Permit No. 6515-3 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

Form 10, *Notice of Completion of Works and Application of Water to Beneficial Use*, is enclosed. Please return this completed form after you have finished the system and have put the water to beneficial use. An investigation can then be scheduled so the water license may be issued, thus completing the acquisition of a water right.

An informational sheet *Common Water Right Questions?* is also enclosed. This sheet is intended to answer some of the questions associated with obtaining and keeping a water right.

Sincerely,

Garland Erbele, Chief Engineer
Water Rights Program
(605) 773-3352

enclosures



6515-3

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

June 14, 2004

Clyde Rosenbaum
33202 478th Ave
Jefferson, SD 57038

Dear Mr. Rosenbaum:

As requested, pursuant to South Dakota Well Construction Standard 74:02:04:21, Hammond-Wetmore Drilling is authorized to construct a test well into the Missouri-Elk Point aquifer in the NW¼ Section 33, T90N-R49W. The test well must be constructed in accordance with the SD Well Construction Standards. Any test holes that are abandoned must be plugged pursuant to the SD Well Construction Standards.

A SD Water Permit must be obtained before water from this well can be used. Approval of this test well does not assure issuance of a water permit. Following review of a Water Permit Application; and assessing the availability of water, the potential impacts to existing users, the beneficial use, and the public interest of a permit, the Chief Engineer will make a recommendation to the Water Management Board regarding the application. The recommendation to approve, deny, or defer the application will be publicly noticed and an opportunity afforded for the public to intervene. A public hearing may be required to consider the water permit.

Very truly yours,

JAMES A. GOODMAN, P.E.
Natural Resources Engineer
for GARLAND ERBELE, Chief Engineer
Water Rights Program
(605) 773-3352

cc: Richard Hammond, Hammond-Wetmore Drilling, 27 N Yale Street Vermillion, SD 57069

SOUTH DAKOTA WATER WELL COMPLETION REPORT

6515-3

07-92

Location SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec 33 Twp 90N Rg 49WCounty UNION

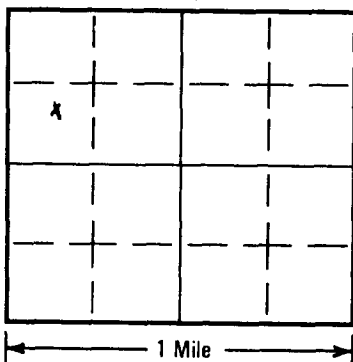
North

Please mark well location with an "X"

W

E

Well Completion Date

7-3-04

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? 2500 ft. from Septic tank (identify source).

PROPOSED USE:

- ☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☒ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:

Rotary

CASING DATA:

- ☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>SDR 21</u> LB/FT	<u>16</u> IN	<u>0</u> FT	<u>166</u> FT	<u>22</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
<u>Bent 60T</u>	<u>26</u>	<u>210</u> lb./gal	<u>20</u> ft	<u>60</u> ft
<u>Cement 60T</u>	<u>18</u>	<u>214</u> lb./gal	<u>0</u> ft	<u>20</u> ft

Describe grouting procedure TremieSCREEN: ☒ Perforated pipe ☐ ManufacturedDiameter 16 IN Length 60 FEETMaterial PVCSlot Size .060 Set From 66 Feet to 126 Feet

Other information _____

WAS A PACKER OR SEAL USED? ☐ YES ☒ NO

If so, what material? _____

Describe packer(s) and location? _____

DISINFECTION: Was well disinfected upon completion?

☒ YES, How: Chlorine water

_____ NO, Why Not? _____

Laboratory sent to for water quality analysis _____

Well Owner: Clyde Rosenbaum

Business Name: _____

Address: Jefferson SD

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
<u>SAND, fine, Silty</u>	<u>0</u>	<u>50</u>
<u>clay, gray</u>	<u>50</u>	<u>51</u>
<u>SHALT clay</u>	<u>51</u>	<u>54</u>
<u>SAND, med-coarse</u>	<u>54</u>	<u>78</u>
<u>GRAVEL, coarse</u>	<u>78</u>	<u>97</u>
<u>Claystone, GRAY</u>	<u>97</u>	<u>101</u>
<u>GRAVEL, fine</u>	<u>101</u>	<u>126</u>

STATIC WATER LEVEL 23 Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped Describe: _____☐ Bailed _____☐ Other _____

Pumping Level Below Land Surface

33 ft. After 12 Hrs. pumped 1000 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate 800 GPM

REMARKS

This well was drilled under license # 666

And this report is true and accurate.

Drilling firm HAMMER Wetmore Drilling

Signature of License Representative:

R A Rosenbaum

Signature of Well Owner or Equitable Property Holder:

Clyde Rosenbaum

Date: _____

RECEIVED

JAN 31 2005

WATER RIGHTS PROGRAM

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

Date December 1, 2004

TO: Water Rights Program, DENR
523 E. Capitol
Pierre, SD 57501-3181

RECEIVED

DEC - 6 2004

WATER RIGHTS
PROGRAMFROM: H. Clyde Rosenbaum
(name)33202-478th Ave.
(address)Jefferson, SD. 57038
(city, state, zip)605-358-2782
(phone)

I have completed the construction of the water use system and I have put the water to beneficial use to the maximum extent it is going to be used.

Water Permit No. 6515-3 states that the water use system is to be constructed by August 30, 2009, and water is to be put to beneficial use by August 30, 2013
(date) (date)

The water use system was completed on August 13, 2004.
(date)

Applying the water to beneficial use was completed on September 10, 2004
(date)

You may schedule an investigation so that the water license may be issued.

H. Clyde Rosenbaum
(signature)

