

WATER PERMIT NO. 6380-3

Name of Applicant: Glymar, Inc.

Address: 45979 SD Hwy 46, Centerville SD 57014 Phone: 605 563-2276

Amount of Water Claimed: 0.95 cfs Total Acres: 80

Source of Water Supply: groundwater

Water to be used for: irrigation County: Clay

Type of Waste Disposal System:

Location: 3 miles south of Centerville

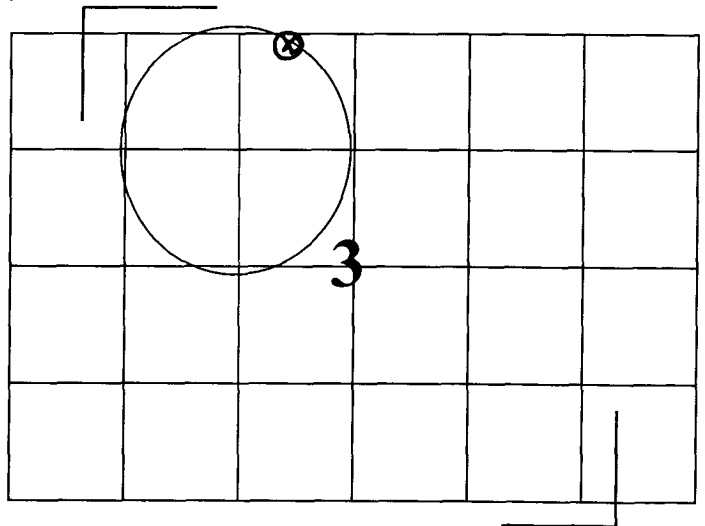
PRIORITY Date Received: 1-9-03 Application/License Fee: \$275

Corrected Application Received: Period of Annual Use: April 1 – October 31

Remarks: Utilize well authorized by Water Right No. 117-3A. Will allow pivot to make a full circle.

Diversion Point: NE ¼ NW ¼ Sec 3-T95N-R52W

Land to be Irrigated: W ½ NW ¼ Sec 3-T95N-R52W



Depth of Well: 106 feet deep

Well Driller: : AAA Well Co.

Remarks:

Type of Map: aerial photo

Prepared by: Sheree Christensen, FSA

Reviewed and the Number Assigned on: 1-9-03

By: Karen Schlaak

Notice of Hearing - date to intervene: _____

SOUTH DAKOTA
WATER PERMIT NO. 6380-3

Date of first receipt of application January 9, 2003.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 6380-3 to Glymar, Inc., 45979 SD Hwy 46, Centerville SD 57014 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. 6380-3 appropriates 0.95 cubic feet of water per second (cfs) from one existing well to irrigate 80 acres. Water Right No. 117-3A appropriates 0.95 cfs from one well (Parker Centerville) 55 feet deep located in the NE ¼ NW ¼ Section 3 to irrigate 66 acres located in the E ½ NW ¼ Section 3; all in T95N-R52W. This permit authorizes an additional 0.95 cfs from the existing well to irrigate an additional 80 acres located in the NW ¼ Section 3-T95N-R52W. This permit will allow the pivot to make a full circle.
2. The amount of the appropriation may not exceed 2 acre feet annually for each acre of land to which water is actually and beneficially applied for irrigation. The water is to be used during the following described annual period: April 1 – October 31.
3. The date from which applicant may claim right is January 9, 2003.
4. The date of approval of Permit No. 6380-3 is February 18, 2003.
5. One-fifth of the construction is to be completed on or before August 18, 2005.
6. All construction is to be completed on or before February 18, 2008.
7. Water is to be put to beneficial use on or before February 18, 2012.
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. 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

MAR 13 2003

date



Mail to: Water Rights Program Joe Foss Building 523 E. Capitol Pierre, SD 57501-3181 (605) 773-3352	No. <u>6380-3</u> (office use only) <u>10170102</u>
	Basin <u>Vermillion River</u>
	Newspaper <u>Plain Talk</u> <u>Vermillion</u>

RECEIVED
JAN 09 2003
WATER RIGHTS
PROGRAM

Application For Permit To Appropriate Water For Irrigation

Type of Application: X 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 Glymar, Inc. Phone 605-563-2276
(check one) X Owner Tenant/lessee
Mailing Address 45979 SD Hwy 46 Centerville State SD 57014
(Street, RR, or Box and City) (Zip Code)
- Amount of water claimed add'l 0.95 *CFS or **GPM ***AF Total Acreage 80
(*Cubic Feet per Second) (**Gallons per Minute) (**Acre Feet - storage capacity of dam/dugout or annual use if applicable)
- Source of water supply Ground water - well authorized bt WR No. 117-3A
- Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)
NE 1/4 NW 1/4 Section 3, T95N, R52W
County Clay
- County or counties where water will be used Clay
- Annual period during which water is to be used April 1 - October 31
- 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
W 1/2 of NW 1/4 Section 3, T95N, R52W			
	76A		

8. Give a description of the project. (Attach sheet if more space is needed)
Proposing to irrigate add'l acreage from a well authorized by WR No. 117-3A
(Glenn Knutson-my Father). Will allow pivot to make a full circle. Information
on the well included on WR No. 117-3A

STATE OF SOUTH DAKOTA) SS
County of Yankton

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, Glyndon Knutson, 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 Glyndon Knutson

Subscribed and sworn to before me this 6 day of January 20 03

Patricia Merkel
Notary Public signature

my commission expires: 4-18-08

Owner

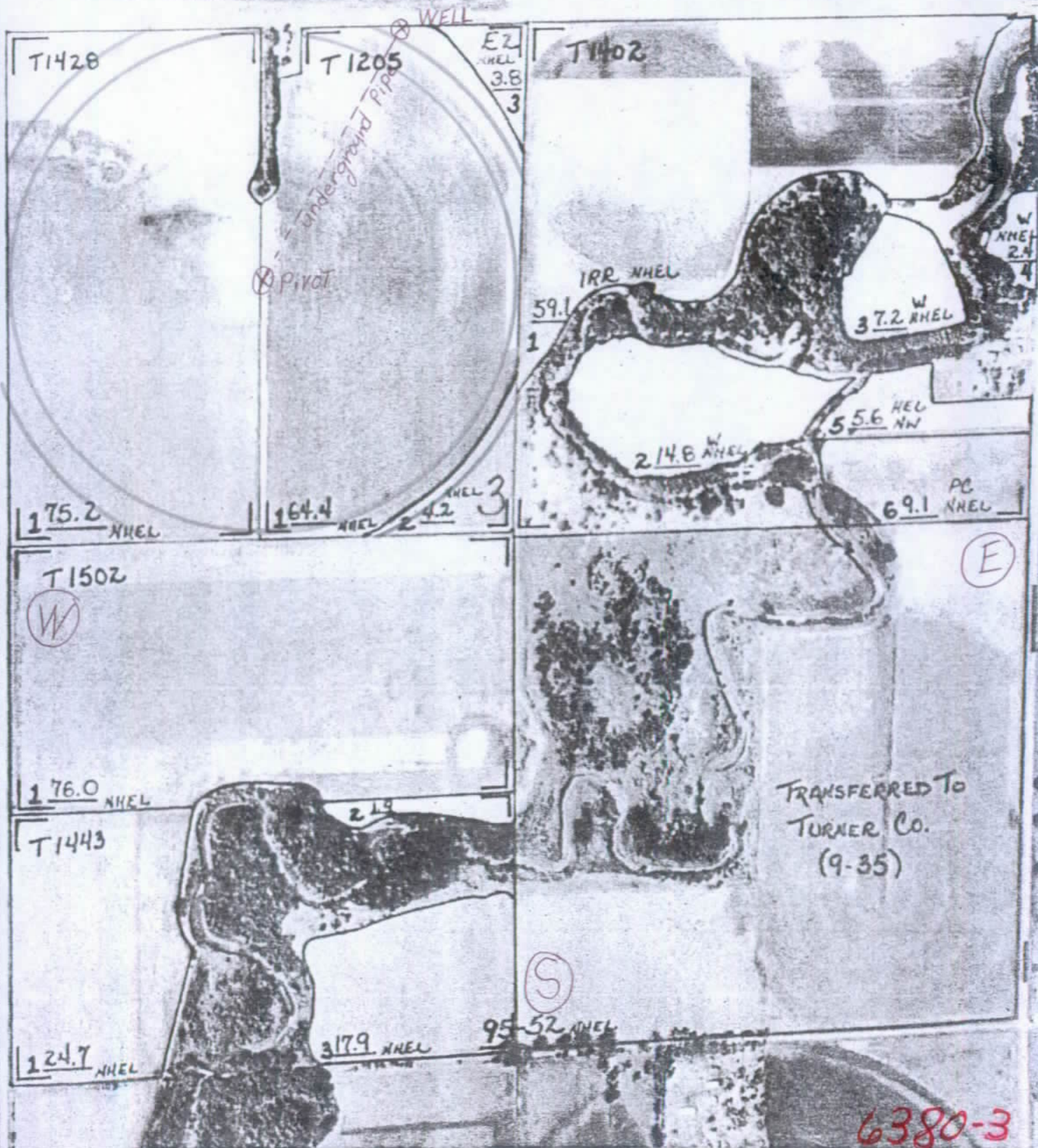
Glymar, Inc.
45979 SD Highway 46
Centerville, SD 57014-6132

Glyndon Knutson Pres.

W 1/2 of NW 1/4 Sec. 3 T95 N, R52 W

Sheree Christensen
FSA Program Technician, Clay County
1-3-03

NOT TO SCALE



RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date January 9, 2003

RECEIVED OF Glyndon Krutson, 45979 SD Hwy 46, Gerterville SD 57014-6132

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

Fee for Application for Permit No. <u>6380-3</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>6380-3</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.

000525

By

Warland Erbe
Chief Engineer
gm



**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. 6380-3, Glymar, Inc.**

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. 6380-3, Glymar, Inc., c/o Glyndon Knutson,, 45979 SD Hwy 46, Centerville SD 57014.

The Chief Engineer is recommending APPROVAL of Application No. 6380-3 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. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

See report on application for additional information.

for Eric Garland
Garland Erbele, Chief Engineer
January 17, 2003

REPORT ON WATER PERMIT APPLICATION NO. 6380-3
For Glymar, Inc.
January 13, 2003

Application No. 6380-3 proposes to appropriate 0.95 cfs (426 gpm) from an existing well to irrigate 80 acres. Water Right No. 117-3A appropriates 0.95 cfs from one well approximately 55 feet deep located in the NE $\frac{1}{4}$ NW $\frac{1}{4}$ of section 3 to irrigate 66 acres located in the E $\frac{1}{2}$ NW $\frac{1}{4}$ of section 3; all in T95N R52W in Clay County. This application proposes to appropriate an additional 0.95 cfs from the existing well to irrigate an additional 80 acres located in the NW $\frac{1}{4}$ of section 3, T95N R52W. This application will allow the pivot to make a full circle.

AQUIFER – PARKER CENTERVILLE (PAC)

The Parker Centerville is a surficial outwash (sand and gravel) which is under water table conditions in this area. The aquifer underlies 3,700 acres and contains an estimated 11,400 acre-feet of recoverable water in storage in Clay County (Hedges, 1982). The aquifer extends into Turner County to the north and blends into the Lower Vermillion Missouri aquifer the south. In the vicinity of the Turner and Clay County line the overlying Parker Centerville aquifer also appears to blend into the Upper Vermillion Missouri aquifer and in fact both aquifers end by blending into the Lower Vermillion Missouri aquifer about three miles south of the county line. Ground water movement is from north to south and locally toward the Vermillion River (Christensen, 1967).

The Water Rights Program monitors four observation wells within a three-mile radius of this application. Two of these are observation well TU-77N which is located about one-quarter mile west of this application and completed into Parker Centerville aquifer and observation well CL-80K which is located about three miles east of this application and completed into the Upper Vermillion Missouri aquifer. Water levels for these wells show good response to climatic conditions, that is, rising water levels during wet years (recharge) and gradually declining water levels during dry years. In general, the water level record indicates that the aquifer is capable of sustaining additional withdrawals (Water Rights, 2003). Hydrographs for these two wells are included with this report.

REVIEW OF EXISTING WATER PERMITS/RIGHTS

There are four existing water rights within a one-mile radius of this application. Only one of these rights No. 3328-3 is completed into the Upper Vermillion Missouri aquifer while the rest are completed into the Parker Centerville aquifer. Interference is not a concern. These wells have been used for many years with no apparent problems. The hydrographs for the two observation wells indicate that pumping does not significantly affect water levels in this area.

CONCLUSIONS

1. Water is available from the Parker Centerville aquifer.

2. The aquifer is under water table conditions at this site. Pumping does not appear to cause significant fluctuation of water levels. This is shown by the observation well water levels. Interference is not a concern.
3. This is an existing well. The original water right No. 117-3A is for one well approximately 55 feet deep and completed into the Parker Centerville aquifer. Water availability is not a concern.
4. Approval of this application will allow a center pivot to make a complete circle.


James A Goodman
Natural Resources Engineer

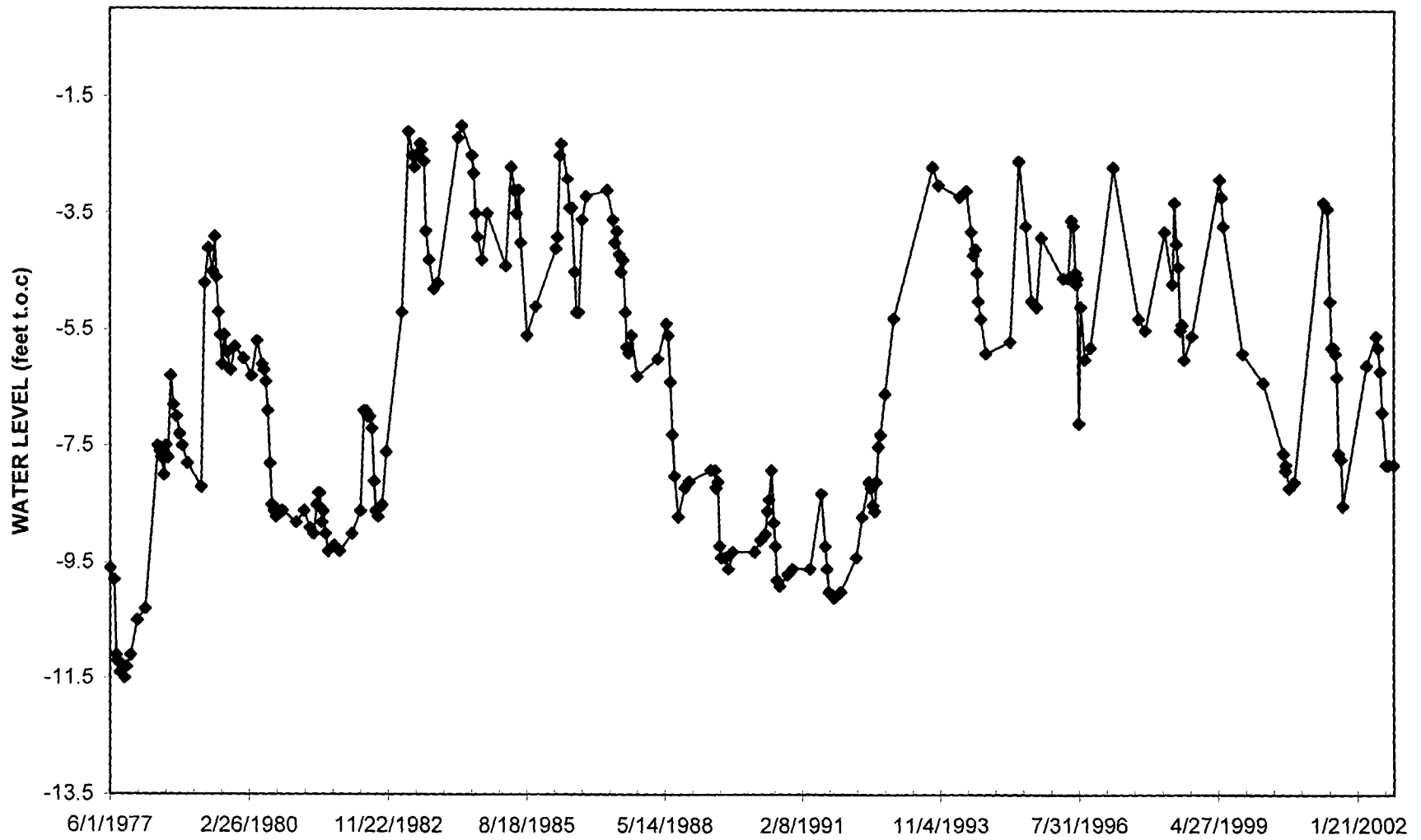
BIBLIOGRAPHY

Christensen, C.M., J.C. Stephens, 1967, Geology and Hydrology of Clay County South Dakota, Part II Water Resources, Bulletin 19, SDGS, Vermillion, SD, 57069.

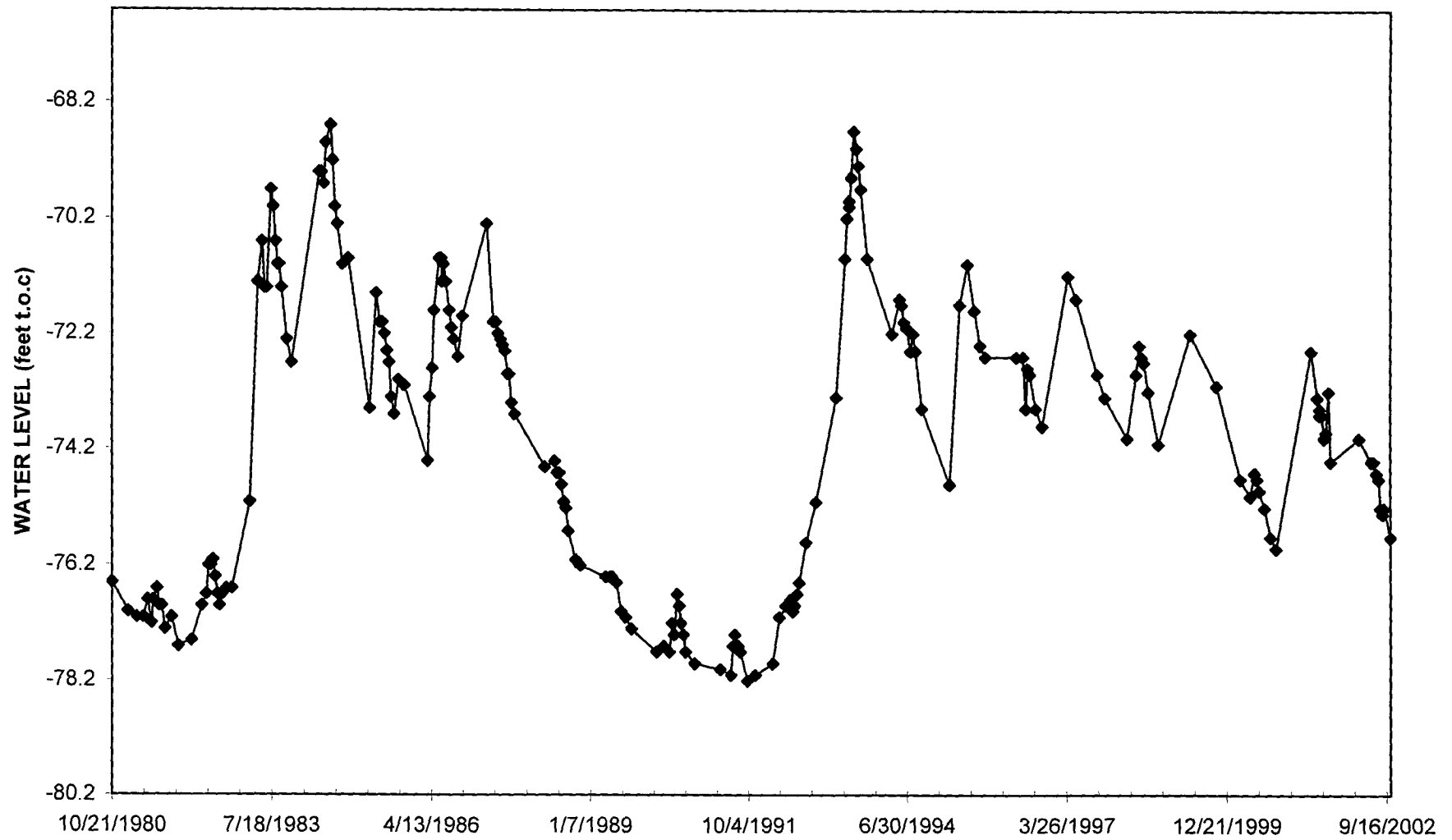
Hedges, L.S., 1982, Evaluation of Ground Water Resources Eastern South Dakota and Upper Big Sioux River South Dakota and Iowa, for US Army Corps of Engineers, SD DENR, SDGS, Vermillion, SD, 57069.

Water Rights, 2003, Unpublished Observation Well Data for Turner and Clay Counties, SD DENR, DES, Water Rights Program, Pierre, SD, 57501.

**WATER RIGHTS' OBSERVATION WELL
TU-77N**



WATER RIGHTS' OBSERVATION WELL
CL-80K



AFFIDAVIT OF PUBLICATION

State of South Dakota, County of Clay, ss.

Candi Jensen

Being first duly sworn, deposes and says: That he/she is a resident of the County of Clay and State of South Dakota; that

THE PLAIN TALK

is a legal newspaper of general circulation, printed and published in Vermillion, in said County and State, by Broadcaster Press, Inc., and is now and has been such newspaper continuously during all the times hereinafter mentioned; that affiant is and was during all the time hereinafter mentioned in charge of the advertising department thereof, and has personal knowledge of all the facts stated in this affidavit: and that the notice and advertisement headed:

Notice of Application No. 6380-3 to Appropriate Water

a printed copy of which is hereunto attached and made a part hereof, was printed and published in the said newspaper at least once in each week

for 2 successive weeks; that said newspaper at the time of the first publication of said notice hereinafter stated, had, and still has, a bona fide circulation of over two-hundred paid copies weekly, and had been published in the said county of Clay for more than one year immediately prior to the date of the said publication of said notice, and that said newspaper during said times, was, and is, printed in part in an office maintained at said city of Vermillion, the said place of publication; that the first publication of said notice in said newspaper as aforesaid

was on Friday, the 31 day of January, 20 03, and that the succeeding publications were severally

on Friday, the 7 day of February, 20 03,

on Friday, the _____ day of _____, 20 _____,

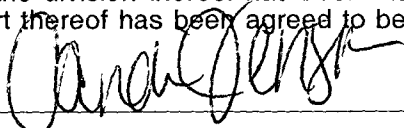
on Friday, the _____ day of _____, 20 _____,

on Friday, the _____ day of _____, 20 _____,

that the fees charged for the printing and publication of the said notice and advertisement in said newspaper as aforesaid were

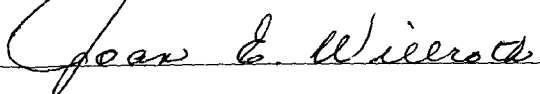
Forty two dollars and 23 cents

and that said fees for the printing and publishing of said notice and advertisement have been fully paid; that the full amount of the fee charged for the publishing of the said attached annexed notice and advertisement inures to the benefit of the publisher of the said newspaper, that no agreement or understanding for the division thereof has been made with any other person and that no part thereof has been agreed to be paid to any other person whomsoever.



Subscribed and sworn to before me

this 7th day of Feb, 2003



My Commission Expires
April 17, 2005

Notary **RECEIVED**

FEB 14 2003

WATER RIGHTS
PROGRAM

NOTICE OF APPLICATION NO. 6380-3 to Appropriate Water

Notice is given that Glymar, Inc., c/o Glyndon Knutson, 45979 SD Hwy. 46, Centerville, SD 57014 has filed an application for a water permit to appropriate 0.95 cubic feet of water per second (cfs) from one existing well to irrigate 80 acres. Water Right No. 117-3A appropriates 0.95 cfs from one well (Parker Centerville) 55 feet deep located in the NE 1/4 NW 1/4 Section 3 to irrigate 66 acres located in the E 1/2 NW 1/4 Section 3; all in T95N-R52W. This application proposes to appropriate an additional 0.95 cfs from the existing well to irrigate an additional 80 acres located in the NW 1/4 Section 3-T95N-R52W. This application will allow the pivot to make a full circle

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL to Application No. 6380-3 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 February 18, 2003.

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.

Publish: January 31 & February 7, 2003



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

January 21, 2003

Plain Talk
PO Box 256
Vermillion SD 57069-0256

ATTENTION: Legal Public Notice

Enclosed is a Notice of Hearing on Application No. 6380-3 to Appropriate Water to be published twice. Please publish the first notice on January 31, 2003 with the second publication 7 days later.

The applicant must verify to you that the notice is to be published, before you make the first publication. **Please BILL the APPLICANT for the cost of publication.** The APPLICANT is Glymar Inc., % Glyndon Knutson, 45979 SD Hwy 46, Centerville SD 57014 (Ph # 605-563-2276).

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. 6380-3

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

Date _____

We are in receipt of your letter of January 21, 2003 enclosing Notice of Hearing to Appropriate Water by Application No. 6380-3 which was first published in our issue of _____. **ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.**

Name

Newspaper

Instruction to Newspaper - Publish first Notice on January 31, 2003 with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NO. 6380-3 to Appropriate Water

Notice is given that Glymar, Inc., c/o Glyndon Knutson, 45979 SD Hwy 46, Centerville SD 57014 has filed an application for a water permit to appropriate 0.95 cubic feet of water per second (cfs) from one existing well to irrigate 80 acres. Water Right No. 117-3A appropriates 0.95 cfs from one well (Parker Centerville) 55 feet deep located in the NE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 3 to irrigate 66 acres located in the E $\frac{1}{2}$ NW $\frac{1}{4}$ Section 3; all in T95N-R52W. This application proposes to appropriate an additional 0.95 cfs from the existing well to irrigate an additional 80 acres located in the NW $\frac{1}{4}$ Section 3-T95N-R52W. This application will allow the pivot to make a full circle.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6380-3 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 February 18, 2003.

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.



**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.**

January 21, 2003

Glymar Inc.
% Glyndon Knutson
45979 SD Hwy 46
Centerville SD 57014

Dear Mr. Knutson:

Water Permit Application No. 6380-3 for irrigation use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice of hearing has been sent to the Publisher of the Plain Talk printed at Vermillion, SD (Ph # 605-624-2695). 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 of Hearing 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 with the last publication to occur twenty days before the board meeting. 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.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

MAR 13 2003

Glymar Inc.
% Glyndon Knutson
45979 SD Hwy 46
Centerville SD 57014

Dear Mr. Knutson:

Enclosed is Water Permit No. 6380-3 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

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

Date 3-20-03

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

RECEIVED
MAR 25 2003
WATER RIGHTS
PROGRAM

FROM: Glymar Inc.
(name)
45979 SD Hwy 46
(address)
Centerville S.D. 57014 605-563-2276
(city, state, zip) (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.

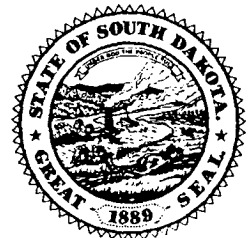
Water Permit No. 6380-3 states that the water use system is to be constructed by
2-18-08, and water is to be put to beneficial use by 2-18-12
(date) (date)

The water use system was completed on Several years ago, old well & old Pivot
(date)

Applying the water to beneficial use was completed on Permit is for additional water & land
(date)
So Pivot will make full circle

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

Glymar Inc.
(signature)
by Glyndon Krueger Pres.



Permit No. 6380-3
Vermillion River - Water District

Report Of Examination Of Works And/Or Application of Water To Beneficial Use

TO: Chief Engineer, Water Rights Program, DENR, Foss Bldg., Pierre, SD 57501

I have this day, August 25, 2004, made a thorough examination of the water use system constructed by Glymar, Inc. of Glyndon Knutson, 45979 SD Hwy 46, Centerville SD 57014 holder of Permit No. 6380-3, bearing the priority of January 9, 2003 authorizing the diversion of 0.95 cu. ft. per of the waters of water source for irrigation purposes, in Clay County.

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

A. Works used to divert the water:

US Motor – Holloshaft powered Diesel with a PTO.

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

Water is carried by underground 8" PVC approximately 1,300 feet to the pivot point.

C. Works used to apply water to beneficial use:

An 7 tower Hydromatic center pivot is used to apply water to the irrigated acreage.

The system is in the following condition good. The point of diversion is located approximately 1900 feet west and 50 feet south of the NW corner (NE ¼ NW ¼) Section 3, T95N, R52W – Lat/Lon N43.08340 W-096.97547. The works are capable of diverting and conveying to the place of use 1.78 cu. ft. per second (0.95 cfs of this diversion capability is authorized by Water Right No. 117-3A) of water which is to be used for irrigation. Water has been put to beneficial use to the maximum extent as follows:

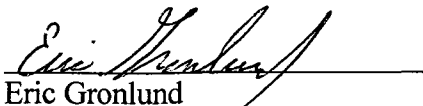
All in Section 3, T95N, R52W

Water Permit No. 6380-3	
NW ¼ NW ¼	33 acres
SW ¼ NW ¼	33 acres

comprising a total of 66 acres under No. 6380-3 (total of 132 acres if includes WR No. 117-3A) of land and the license should be issued for 0.83 cfs (total appropriation between Nos. 117-3A and 6380-3 is 1.78 cfs).

Applicable permit qualifications have been complied with: Yes X

Exceptions to compliance are: none Date Report Completed: December 15, 2004



Eric Gronlund
 Natural Resources Engineer
 DENR, Water Rights Program

FIELD INVESTIGATION REPORT FOR PERMIT NO. 6380-3

DATE OF INVESTIGATION:	August 25, 2004
NAME & ADDRESS OF INVESTIGATION CONTACT/ RELATIONSHIP TO PERMIT HOLDER, IF APPLICABLE	Glymar, Inc. c/o Glyndon Knutson 45979 SD Hwy 46 Centerville SD 57014
NAME & ADDRESS OF PERMIT HOLDER	At time of investigation discussed with Glenn Knutson (father)
DIVERSION POINT LEGAL LOCATION	<u>approximately 1900 feet west and 50 feet south of the NW corner (NE ¼ NW ¼) Section 3, T95N, R52W – Lat/Lon N43.08340 W- 096.97547</u>

Other permit(s) associated with the project: Water Right No. 117-3A and this permit share the same well.
Water Permit No. 6380-3 allows the pivot to make full rotation.

WELL INFORMATION:

- 1) Well Drilling Firm: AAA Well Co.
- 2) No. of Wells 1
- 3) Depth(s) 106 feet
- 4) Well log is available Yes
- 5) Comment: Two well logs on file – I believe the
1975 well replaced the 1956 well.

Casing:

- 1) Diameter 16 inches
- 2) Length 91 feet
- 3) Type AC Cement

Screen:

- 1) Type 100 slot Johnson Well Screen
- 2) Length 15 feet
- 3) Static water level unknown feet

Motor:

- 1) Make Diesel PTO
- 2) Model No. SP111HP2
- 3) Horsepower rating hp

Pump:

- 1) Make Holloshaft
- 2) Model 70 Type GP
- 3) Size
- 4) Capacity 800 GPM

DISTRIBUTION LINES OR CANALS:

- 1) Type PVC
- 2) Size 8 inches
- 3) Length approx. 1400 feet

SYSTEM TYPE:

Center pivot:

- 1) Make Hygromatic
- 2) Overall length _____ feet
- 3) Number of towers 7
- 4) Distance between towers _____ feet

Gun:

- 1) Make
- 2) Nozzle size _____ inches
- 3) Capacity _____ GPM
- 4) Hose size _____ inches

Sideroll:

- 1) Length _____ feet
- 2) Diameter of pipe _____ inches
- 3) Sprinkler spacing _____ feet

- 5) End gun Y/N

- 6) High or low pressure High

- 7) Capacity 850 GPM

Towline:

- 1) Length _____ feet
- 2) Diameter _____ inches
- 3) Spacing of gates _____ inches

Siphons:

- 1) Size _____ inches
- 2) Number

CHEMIGATION EQUIPMENT:

- 1) Does chemigate No
- 2) Main line check valve Y/N
- 3) Inspection port/air relief Y/N
- 4) Low pressure drain Y/N
- 5) Discharge is 20' from source Y/N
- 6) Interlock type electrical or mechanical
- 7) Injection pump type piston or other

- 8) Injection check valve Y/N

- 9) Injection line check valve or positive displacement pump Y/N

- 10) All chemigation equipment appears to be installed in the proper position and complies with chemigation laws and rules Y/N

- 11) Comments:

PERMIT QUALIFICATIONS:

- 1) Special qualifications to permit being abided by Yes
- 2) All structures, wells and lands on map Yes
- 3) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period Yes

Comment

See file documentation of December 16, 2004 phone conversation with Glyndon Knutson. He requested that we do not incorporate Water Right No. 117-3A and Permit No. 6380-3 into one water license. Mr. Knutson understood that in the future if he needed to drill another well that permitting may be required.

I had some question when writing up the licensing report regarding the well. The original well log from 1956 indicates a 39 foot deep well, Leroy Mernauagh's report on No. 117-3A from 1976 states the well depth is 55 feet. This would indicate the water source is the Parker Centerville Aquifer which is how these water rights were issued. However, there is also a log on file for an irrigation well drilled at this location in 1975. The depth is 106 feet which indicates the well is constructed into a different water source (Lower Vermillion:Missouri Aquifer) . I checked with Ken Buhler of the Water Rights staff who reviewed the well log for the this 1975 well. His opinion is that the legal description incorrect. He based this on the fact that the geology is not representative of this area..



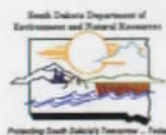
Well Site for Water Right No. 117-3A and Water Permit No. 6380-3

Water Right No. 117-3A and Water Permit No. 6380-3, Glymar Inc.
(general layout of center pivot)



0 430 860 1,720 2,580 3,440 Feet

Well is located approximately 1900 feet east and 50 feet south of
the NW corner (NE 1/4 NW 1/4) Section 3, T95N, R52W
Lat/Lon N93.08340 W-096.97547



Eric Gronlund
Eric Gronlund
Water Rights Program, DENR
Licensing Investigation - August 23, 2004

Water Rights Program - DENR
Conversation File Documentation

NAME OF PERSON OR FILE: Water Permit No. 6380-3, Glymar, Inc.

ADDRESS: COUNTY: Clay

DATE: December 16, 2004 TELEPHONE: 563-2276

RE: Discussion with Glyndon Knutson regarding Permit No. 6380-3

I contacted Mr. Knutson about incorporating Water Right No. 117-3A and Water Permit No. 6380-3 into one document. Currently, the E $\frac{1}{2}$ NW $\frac{1}{4}$ of Section 3 is owned by Glen Knutson (father) and farmed by Bill Knutson. The W $\frac{1}{2}$ NW $\frac{1}{4}$ is owned by Glyndon Knutson. At this point in time, Mr. Knutson asked that we do not incorporate the two water rights into one water license.

I stated that the two irrigation questionnaires submitted regarding this well contradict each other on the well diversion capability. Permit No. 6380-3 states the diversion rate is 800 gpm while Right No. 117-3A states the rate as 850 gpm. Mr. Knutson stated the well's capacity to the best of his knowledge is 800 gpm.

NAME:

Eric Knutson

STATE OF SOUTH DAKOTA
WATER LICENSE NO. 6380-3

(1) Glymar, Inc., c/o Glyndon Knutson, 45979 SD Hwy 46, Centerville SD 57014 made Application No. 6380-3, January 9, 2003 for a water permit to divert 0.95 cubic feet of water per second from groundwater (one well), Clay County, South Dakota for irrigation purposes. Permit No. 6380-3, with a priority date of January 9, 2003 was approved February 18, 2003 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before February 18, 2008 and for the application to beneficial use of water on or before February 18, 2012.

This permit utilizes the same well that is authorized under Water Right No. 117-3A and allows the pivot to make a full rotation.

The permit holder submitted a *Notice of Completion of Works and Application of Water to Beneficial Use* on March 25, 2003. The *Notice* stated the diversion system was completed and the water placed to beneficial use.

(2) The water supply system has been completed and water applied to beneficial use in accordance with South Dakota State Law. Pursuant to South Dakota Codified Law 46-5-30.1, the holder and/or owner of Water Right No. 6380-3 is issued a license, bearing a priority date of January 9, 2003 to appropriate 0.83 cubic feet of water per second from groundwater (one well) to irrigate 66 acres.

The diversion point is located: 1,900 feet west and 50 feet south of the northwest corner of Section 3-T95N-R52W (NE ¼ NW ¼). The acres authorized for irrigation are as follows:

Section 3- T95N-R52W	NW ¼ NW ¼	33 acres
	SW ¼ NW ¼	<u>33 acres</u>
		66 acres

(3) This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Permit No. 6380-3 including the following now applicable qualifications:

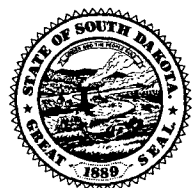
- The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having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



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

APR 19 2005

date





APR 19 2005

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

6380-3

Glymar Inc
%Glyndon Knutson
45979 SD Hwy 46
Centerville SD 57014

Dear Mr. Knutson:

Enclosed is Water License No. 6380-3. 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, State Water Laws provide that you have a continuing right to use the water.

Sincerely,

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

enclosures