

WATER PERMIT NO. 1730-1

Name of Applicant: George A Wang

Address: 705 E Anamosa, Apt 101, Rapid City SD Phone: 605 355-6831

Amount of Water Claimed: 0.10 cfs (45 gpm) Total Acres: NA

Source of Water Supply: groundwater

Water to be used for: commercial County: Meade

Type of Waste Disposal System: septic tank/drain field

Location: 10 miles southeast of Sturgis along I-90

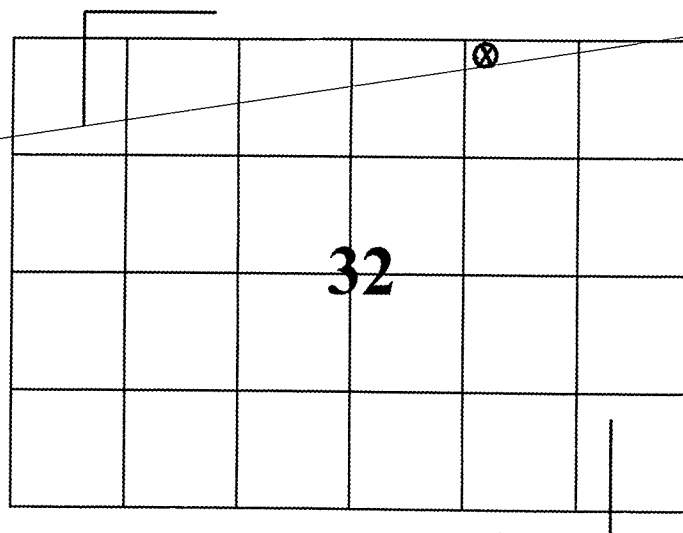
PRIORITY Date Received: 6-23-2000 Fee: \$50

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

Remarks: Heart of the Hills Campground

Diversion Point: NE ¼ NE ¼ Sec 32-T4N-R6E

Land to be Irrigated: NA



Depth of Well: 250 feet

Well Driller: :

Remarks:

Type of Map: plat

Prepared by: Allen L. Dittman, RLS

Reviewed and the Number Assigned on: 6-26-2000

By: Karen Schlaak

Notice of Hearing - date to intervene: _____

SOUTH DAKOTA
WATER PERMIT NO. 1730-1

Date of first receipt of application June 23, 2000.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 1730-1 to George A Wang, 705 E Anamosa, Apt 101, Rapid City SD 57701 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. 1730-1 appropriates 0.10 cubic feet of water per second (45 gallons per minute) from one well (Minnelusa Formation) approximately 250 feet deep located in the NE ¼ NE ¼ Section 32-T4N-R6E.
2. The water appropriated shall be used for the purpose of commercial use at the Heart of the Hills Campground and may not exceed the amount of water needed for beneficial use.
3. The water is to be used during the following described annual period: May 1 – October 31.
4. The date of approval of Permit No. 1730-1 is August 14, 2000.
5. The date from which applicant may claim right is June 23, 2000.
6. One-fifth of the construction is to be completed on or before February 14, 2003.
7. All construction is to be completed on or before August 14, 2005.
8. Water is to be put to beneficial use on or before August 14, 2009.
9. 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. 1730-1 shall be constructed by a licensed well driller and construction 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.

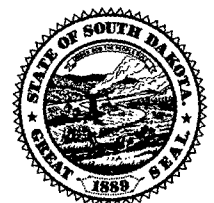
WATER MANAGEMENT BOARD

By: Garland Erbele

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

AUG 25 2000

date



Mail to:
Water Rights Program
Joe Foss Building
523 E. Capitol
Pierre, SD 57501-3181
(605) 773-3352

(office use only)
No. 1730-1 Hydrologic Unit 10120111
Basin Upper Cheyenne
Newspaper Meade Co. Times-Tribune



Application For Permit To Appropriate Water Within The State Of South Dakota

Check use(s) of water:

☐ Municipal ☐ Suburban Housing ☐ Recreational ☐ Institutional
☐ Rural Water System ☒ Commercial ☐ Fish & Wildlife ☐ Geothermal Heat
☐ Domestic (over 18 gpm) ☐ Industrial ☐ Other _____

Type of Application: ☒ New ☐ Vested Right (Use predates Mar 2, 1955) ☐ Future Use Reservation
(check one) ☐ Place to Beneficial Use Water Reserved by Future Use Permit No. _____
☐ Amendment/Correction to Permit No. _____

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

1. Name of Applicant George A. Wang Phone 605-355-6831
(check one) ☒ Owner ☐ Tenant/lessee
Mailing Address 705 E. Anamasa - Apt. 101 Rapid City State SD 57701
(Street, RR. or Box) (Zip Code)

2. Amount of water claimed 0.0 CFS or 45 GPM 0.0 AF
(*Cubic Feet per Second) (**Gallons per Minute) (**Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply Minnetonka

4. Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) NE 1/4 OF
NE 1/4 OF SEC 32, T4N, R6E, B.H.M.
County Meade

5. County or counties where water will be used Meade

6. Annual period during which water is to be used May 1 - Oct. 31

7. Give a description of the project. When available include any preliminary engineering report or other reports or information that will help explain the project. (Attach sheet if more space is needed)

Developing a 60 unit RV Park plus campsites,
on 6.3 acres. "Heart of the Hills Campground"

STATE OF SOUTH DAKOTA)

County of Hughes

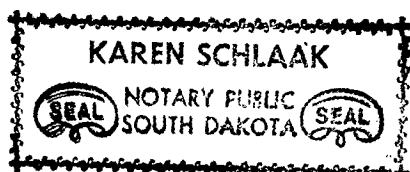
Attachments: Attach Form 2A if diversion is from a well or dugout, or if storage of water is proposed. Attach map and any other technical information. (see instructions)

I, George A. Wang, 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.

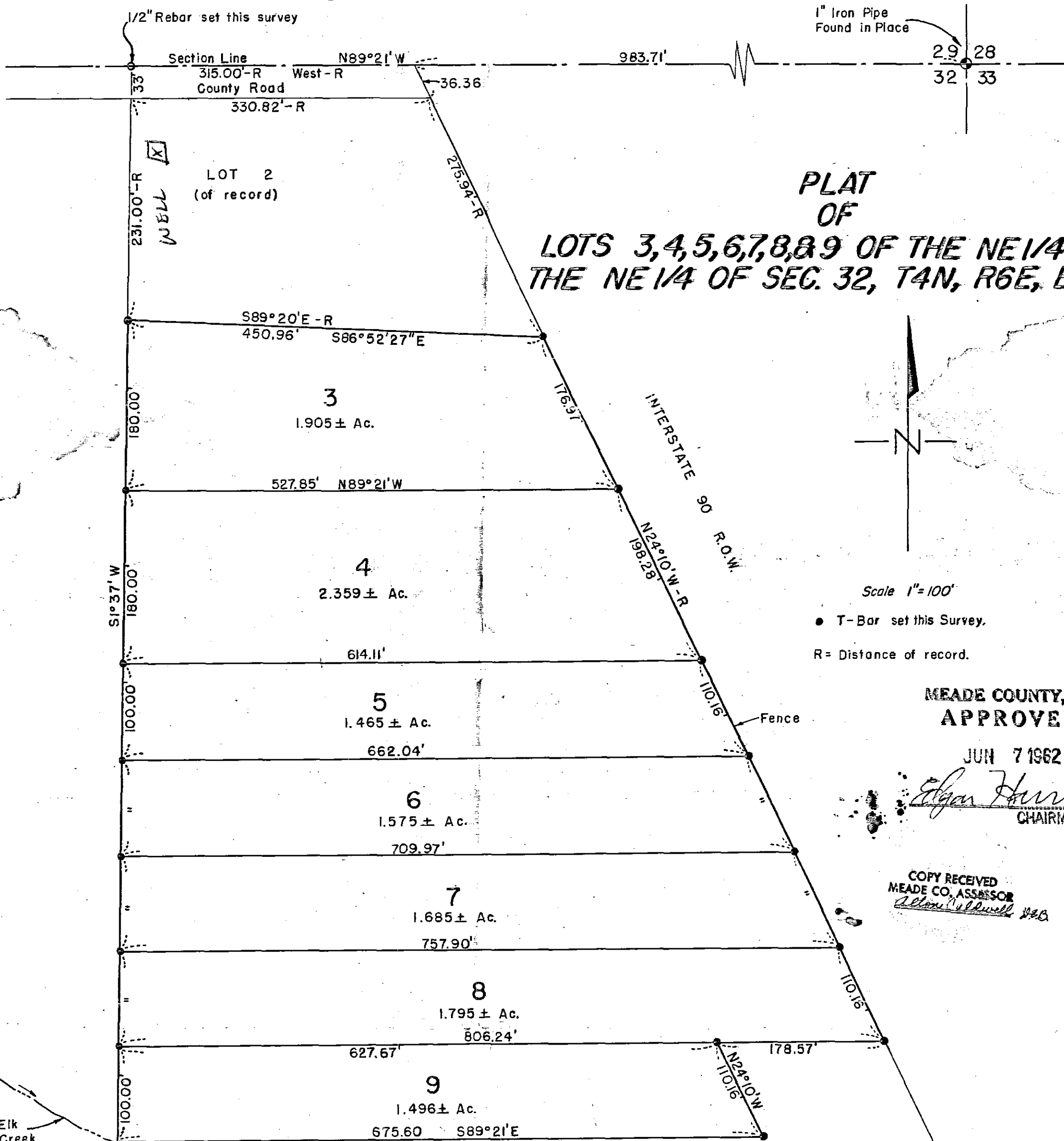
Signed

George A. Wang

Subscribed and sworn to before me this 23rd day of June 19 2000



Karen Schlaak
Notary Public



MEADE COUNTY, S. D.
APPROVED
JUN 7 1962
Edgar Hummiston
CHAIRMAN

COPY RECEIVED
MEADE CO. ASSESSOR
Edgar Hummiston

SURVEYOR'S CERTIFICATE

I, Allen L. Dittman, a Registered Land Surveyor, do hereby certify that, at the request of the property owner, I have surveyed the tract of land shown in the above plat, and marked upon the ground the boundaries thereof in the manner shown above. Said tract shall be hereafter known by the designation shown above. The location and dimensions of the said tract are as shown in the above plat. In witness whereof, I have hereunto set my hand and seal this 29th day of May, A.D., 1962.

Allen L. Dittman
Registered Land Surveyor

ACKNOWLEDGEMENT OF SURVEYOR

STATE OF SOUTH DAKOTA
COUNTY OF PENNINGTON

On this day, before me, the undersigned, a Notary Public within and for the State and County aforesaid, personally appeared Allen L. Dittman, known to me to be the person who executed the foregoing Surveyor's Certificate and acknowledged to me that he executed the same. Witness my hand and seal this 29th day of May, 1962.

Ernie M. Dittman
Notary Public
My term expires May 21, 1967

CERTIFICATE OF OWNER

I, Louis Storm, do hereby certify that I am the sole owner of the tract of land shown in the above plat, that I did authorize, and do join in and approve the above survey and plat, and that the said tract of land is free from any encumbrance. In witness whereof, I have hereunto set my hand and seal this 29th day of May, 1962.

Louis Storm

ACKNOWLEDGEMENT OF OWNER

STATE OF SOUTH DAKOTA
COUNTY OF PENNINGTON

On this day, before me, the undersigned, a Notary Public within and for the State and County aforesaid, personally appeared Louis Storm, known to me to be the person who executed the foregoing Certificate of Owner, and acknowledged to me that he executed the same. Witness my hand and seal this 29th day of May, 1962.

Ernie M. Dittman
Notary Public
My term expires May 21, 1967

COUNTY TREASURER'S CERTIFICATE

I, [Name], Treasurer of Pennington County, South Dakota, do hereby certify that all taxes which are liens upon the land shown in the above plat, as shown by the records of my office, have been paid in full.

[Name]
Treasurer, Pennington County, S.D.

MEADE COUNTY COMMISSIONERS
I, [Name], Chairman of the County Commissioners, Meade County, South Dakota, do hereby certify that, on [Date], the governing body thereof did approve the above survey and plat, resolution, a certified copy of which is attached hereto. Witness my hand and seal this [Date], 19 [Year].

[Name]
Chairman, Meade County Commissioners
Meade

Supplemental Information

(type or print in ink)



1. Well Information - Proposed Construction

- a) Drill Hole Diameter 7 7/8" Depth 250
- b) Casing Type STEEL Diameter 5 1/2" Thickness _____
- c) Screen Type OPEN HOLE Diameter _____ Thickness _____
- d) Gravel Pack N/A Length of Gravel Pack _____
- e) Depth to Top of Water Bearing Material 250'
- f) Depth to Water (ground surface to water level) 100'
- g) Distance to nearest existing domestic well:
- On applicants property 0 On property owned by others 300'

2. Wastewater Disposal System Information

- a) Type of System (i.e. septic tank, drain field) Septic Tank - Drain Field
- b) System Capacity (gallons) 7500 Year Constructed 2000
- c) Connected to the City of NA Sanitary System _____

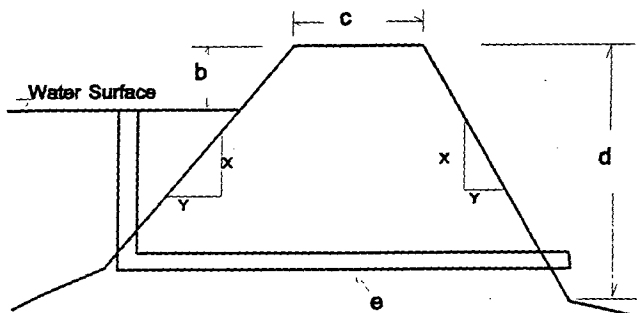
3. Dugout Information

- a) Surface Dimensions _____ Depth _____
- b) Depth to water (ground surface to water level) 100

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

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location NE 1/4 NE 1/4 Sec 32 Twp 4N Rg 6ECounty Meade

North

Please mark well location with an "X"

W

E

Well Completion Date

7-31-2000

1 Mile

LOCATION:

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

PROPOSED USE:

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

METHOD OF DRILLING:

Rotary Air-WaterCASING DATA: ☒ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>15.5 LB/FT</u>	<u>5 1/2 IN</u>	<u>0 FT</u>	<u>394 FT</u>	<u>7 7/8 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>PORTLAND CEM</u>	<u>70</u>	<u>94 lb/gal</u>	<u>0 ft</u>	<u>394 ft</u>
_____	_____	_____ lb./gal	_____ ft	_____ ft

Describe grouting procedure Pressure grout thru casing w mud pump - displace with water to surfaceSCREEN: ☐ Perforated pipe ☐ Manufactured

Diameter _____ IN Length _____ FEET

Material _____

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? _____

DISINFECTION: Was well disinfected upon completion?

____ YES, How: _____

X NO, Why Not? _____

Laboratory sent to for water quality analysis

owner to set pump & completeWell Owner: George WAND

Business Name: _____

Address: 705 E. ANAMOSA Apt 101
Rapid City S.D. 57701

WELL LOG:

DEPTH

FORMATION

FROM

TO

<u>GRAVEL</u>	<u>0'</u>	<u>35'</u>
<u>Red SHALE & S. Stone (Ginn)</u>	<u>35'</u>	<u>180'</u>
<u>Limestone (MINNEKANTA)</u>	<u>180'</u>	<u>220'</u>
<u>Red SHALE & S. Stone (Peach)</u>	<u>220'</u>	<u>380'</u>
<u>White & Yellow SAND & S.S. (MINNEKANTA FM)</u>	<u>380'</u>	<u>440'</u>

STATIC WATER LEVEL

Flowing

Feet

If flowing: closed in pressure

20

PSI

GPM flow 30 through1

inch pipe

Controlled by ☒ Valve☐ Reducers☐ Other

Reduced Flowrate

5 GPM

GPM

Can well be completely shut in?

yes

WELL TEST DATA:

☐ PumpedDescribe: Air Developed☐ Bailed☒ Other

Pumping Level Below Land Surface

300 ft. After 1 Hrs.Bled50 +

GPM

440 ft. After 2 Hrs.Bled80 +

GPM

If pump installed, pump rate

GPM

REMARKS

This well was drilled under license # 568

And this report is true and accurate.

Drilling firm

CIMARRON Drilling Inc.

Signature of License Representative:

Michael J. Deutcher

Signature of Well Owner or Equitable Property Holder:

Date: _____



RECEIPT

Water Rights Program

South Dakota Department of Environment and Natural Resources

No 416556

Pierre, June 23, 2000

RECEIVED OF George A. Wang, 705 E. Anamosa, Apt. 101, Rapid City, SD 57701
the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit No. _____ to Appropriate Water, to construct and to put water to beneficial use _____	50	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. _____	50	00
Fee for Filing Transfer Form _____		
Fee for Filing Extension Request _____		
Fee for _____		

(Any Other Work Provided by Law)	Total	100 00

By Harland Ebele
Chief Engineer



**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. 1730-1, George A. Wang**

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. 1730-1, George A. Wang, 705 E. Anamosa, Apt. 101, Rapid City, SD 57701.

The Chief Engineer is recommending APPROVAL of Application No. 1730-1 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. 1730-1 shall be constructed by a licensed well driller and construction 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.

See report on application for additional information.

Garland Erbele, Chief Engineer
July 14, 2000

WATER PERMIT APPLICATION NO. 1730-1

GEORGE A. WANG

JULY 13, 1999

Water Permit Application No. 1730-1 proposes to appropriate 0.10 cubic feet of water per second (45 gallons per minute) from one well approximately 250 feet deep (Minnelusa Formation) located in the NE ¼ NE ¼ Section 32, T4N-R6E. The water is for commercial use at the Heart of the Hills Campground.

AQUIFER: Minnelusa Aquifer (MNLS)

GENERAL:

The Minnelusa Aquifer is an assemblage of alternating beds of sandstone and dolomitic limestone with lesser amounts of red and black shale and chert approximately 450 feet thick in this area (Water Rights, 2000). Because the lithology of the Minnelusa is so variable, the porosity of the formation is also variable and difficult to determine. Well sorted sand lenses have porosity's approaching 25%, but generally the sands have porosity's of 10%. The average porosity of the Minnelusa is estimated to be 10% and the effective porosity is assumed to be 5% (Rahn, 1979). The Minnelusa formation underlies approximately 2,172,800 acres of Meade County and contains an estimated 81,480,000 acre-feet of recoverable water in storage in the county (Allen, 1984). The aquifer is areally extensive around the Black Hills and is hydraulically connected into the counties surrounding Meade County. Ground water movement is probably toward the north and east. There is no aquifer-test data available for the Minnelusa Aquifer at this site; therefore, the aquifer transmissivity and storage coefficient values are unknown. Estimates from regional studies of the aquifer indicate the aquifer transmissivity may range from 30 to 1000 ft²/d, and the storage coefficient ranges from 6.6×10^{-5} to 2×10^{-4} (Kyllonen, 1987). The top of the Minnelusa is estimated to be approximately 250 feet below ground surface at this well site (Carter, 1999). The static water level of a well at this site is expected to be less than 100 feet below grade (Strobel, 2000).

WATER AVAILABILITY:

The Water Rights Program monitors 23 observation wells completed into the Minnelusa aquifer in the Black Hills area. Water Rights Observation Well MD-84B is located approximately two miles northwest of this well site. The hydrograph for the well (see figure 1), is fairly typical for the Minnelusa Aquifer. That is, the water levels reach their peak in the early summer each year and gradually decline until spring. The majority of the recharge to the system occurs between March and July.

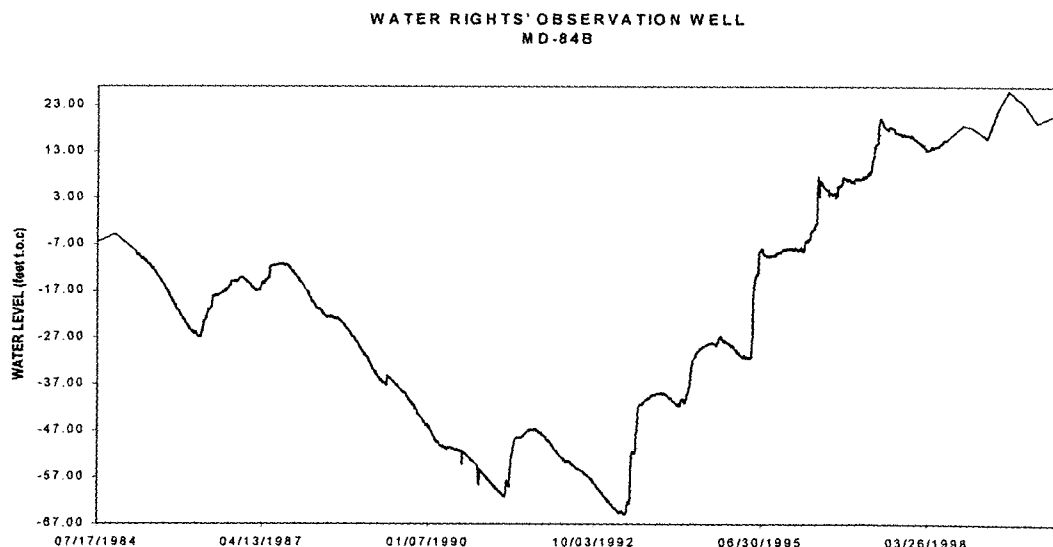


Figure 1, Minnelusa Aquifer Observation Well, Two-Miles Northwest of 1730-1

The hydrograph also shows the magnitude of fluctuation in the water levels in the area (>90') with the lowest water level on record occurring in 1993 and the highest occurring in 1999. It is interesting to note on this hydrograph two brief periods in November 1990 when 3-5' of drawdown was measured on this well while the Minnelusa was essentially "being pumped" while drilling a Madison Observation well approximately 20' away.

It is obvious from the hydrographs that withdrawals have not exceeded recharge for the period of record. The observation well data suggests that at the existing level of development, the aquifer is capable of sustaining additional withdrawals.

AFFECTS ON EXISTING RIGHTS:

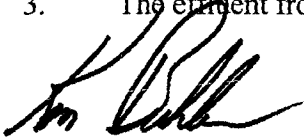
There are 167 Water Rights/Permits and two future use permits that appropriate water from the Minnelusa aquifer in South Dakota (Water Rights, 2000_c). There are 53 permits/rights appropriating water from the Minnelusa aquifer in Meade County (Water Rights, 2000_c), where the aquifer is used primarily for suburban housing development, commercial, municipal and irrigation use. There are a number of domestic wells completed into the Minnelusa Aquifer on file with the Water Rights Program (Water Rights, 2000_a).

There are five Water Rights/Permits appropriating ground water within two miles of this proposed well site. The source of water for two of these appropriations (No. 1376-1 and 1464-1) is Alluvium and the Minnekahta Aquifer respectively. Withdrawals from this proposed appropriation are not expected to affect these wells because of the hydrologic separation between the Minnelusa and these shallower aquifers.

Two Water Rights (No. 1683-1 Dennis Harris, and 1685-1 Tilford Gulch Campground) appropriate water from the Minnelusa aquifer. The well that supplies Water Permit No. 1559-1, SD Dept of Transportation, is completed into the Opeche Shale but more than likely, the water source is actually the Minnelusa. The nearest Permit supplied from the Minnelusa Aquifer (1683-1, Dennis and Arvetta Harris) is located approximately one-quarter mile north of this well site. Any well interference this proposed use would have on this or other water rights/permits is not expected to be adverse due to the distance between wells, and the relatively low diversion rate requested by this application.

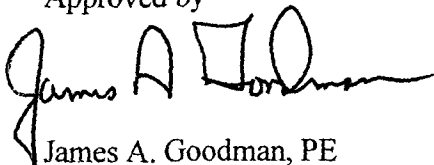
CONCLUSIONS:

1. The Minnelusa Aquifer is a viable aquifer in this area, and water is available for this appropriation.
2. The Minnelusa is under artesian conditions and drawdown due to this diversion can be expected. This drawdown is not expected to adversely affect adequate wells in the area.
3. The effluent from this temporary campground will be disposed of through a septic tank and drain field.



Ken Buhler
Natural Resources Engineer

Approved by



James A. Goodman, PE
Natural Resources Engineer

REFERENCES:

- Allen, J.C., D.Iles, A.Petres, 1984, Analysis of Groundwater and Streamflow Data, Western Dakotas Region of South Dakota, Task 3 & 4: Groundwater Resources Inventory, US Army Corps of Engineers Contract DAWC 45-82-C-015, SD DENR-Division of Geological Survey, Vermillion SD
- Carter, J.M., Redden J.A., 1999, Altitude of the Top of the Minnelusa Formation in the Black Hills Area, South Dakota, U.S. Geological Survey, Hydrologic Investigations Atlas HA-744-C,
- Kyllonen, D.P., K. Peter, 1987, GeoHydrology and Water Quality of the Inyan Kara, Minnelusa, and Madison Aquifers of the Northern Black Hills, South Dakota and Wyoming, and Bear Lodge Mountains, Wyoming, U.S. Geological Survey, Water Resources Investigations Report 86-4158, Rapid City, SD
- Rahn, P.H., 1979, Ground Water Resources of Western South Dakota, US Army Corps of Engineers, Draft Report-Final
- Strobel, M.L., Galloway, J.M., Hanmade, G.R., and Jarrell, G.J, 2000, Potentiometric Surface of the Minnelusa Aquifer in the Black Hills Area, South Dakota, U.S. Geological Survey, Hydrologic investigations Atlas HA-745-C,
- Water Rights Program, 2000,, "Domestic Well Log Files" DENR-Water Rights Program, Joe Foss Building, Pierre, SD
- Water Rights Program, 2000,, "Observation Well Files" DENR-Water Rights Program, Joe Foss Building, Pierre, SD
- Water Rights Program, 2000,, "Water Permit Files" DENR-Water Rights Program, Joe Foss Building, Pierre, SD



**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 17, 2000

George A. Wang
705 E. Anamosa, Apt. 101
Rapid City, SD 57701

Dear Mr. Wang:

Water Permit Application No. 1730-1 for commercial 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 Meade Co. Times-Tribune printed at Sturgis, SD (Ph # (605) 347-2503). 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. 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 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

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

July 17, 2000

Meade Co. Times-Tribune
Box 69
Sturgis, SD 57785-0069

ATTENTION: Legal Public Notice

Enclosed is a Notice of Hearing on Application No. 1730-1 to Appropriate Water to be published twice. Please publish the first notice on July 26, 2000, 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 George A. Wang, 705 E. Anamosa, Apt. 101, Rapid City, SD 57701 (Ph # (605) 355-6831).

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

-----CU T HERE-----

No. 1730-1

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

Date _____

We are in receipt of your letter of July 17, 2000, enclosing Notice of Hearing to Appropriate Water by Application No. 1730-1 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 July 26, 2000, with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NO. 1730-1 to Appropriate Water

Notice is given that George A. Wang, 705 E Anamosa, Apt 101, Rapid City SD 57701 has filed an application for a water permit to appropriate 0.10 cubic feet of water per second (45 gallons per minute) from one well (Minnelusa Formation) approximately 250 feet deep located in the NE ¼ NE ¼ Section 32-T4N-R6E. The water is for commercial use at the Heart of the Hills Campground.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 1730-1 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 14, 2000.

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.

Form 8



PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County of Meade) SS

I, Joan M. Lewis

certify that the attached printed Notice was taken

from the Meade County Times

printed and published in Sturgis

County of Meade and

state of South Dakota. The notice was published

in the newspaper on the following two dates:

July 26, 2000

Aug. 2, 2000

Cost of Printing 36.95

Joan M. Lewis
(Signature)

Bookkeeper
(Title)

8/2/00
(Date Signed)

Water application

NOTICE OF APPLICATION

NO. 1730-1 to Appropriate Water

Notice is given that George A. Wang, 705 E Anamosa, Apt 101, Rapid City SD 57701 has filed an application for a water permit to appropriate 0.10 cubic feet of water per second (45 gallons per minute) from one well (Minnelusa Formation) approximately 250 feet deep located in the NE 1/4 NE 1/4 Section 32-T4N-R6E. The water is for commercial

use at the Heart of the Hills Campground.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 1730-1 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 14, 2000.

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. Pimer, Secretary, Department of Environment and Natural Resources.

Publ July 26 and Aug. 2, 2000
Meade County Times-Tribune



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

AUG 25 2000

George A Wang
705 E Anamosa
Apt 101
Rapid City SD 57701

Dear Mr. Wang:

Enclosed is Water Permit No. 1730-1 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

9-8-00

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



FROM:

George A. Wang
(name)705 E. Anamosa - Apt. 101
(address)Rapid City, SD 57701 605-355-6831
(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. 1730-1 states that the water use system is to be constructed by

Aug., 2005
(date)

, and water is to be put to beneficial use by

Aug., 2009
(date)

The water use system was completed on

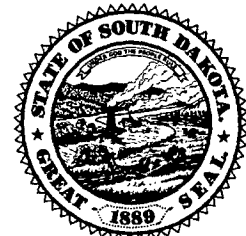
Aug. 2000
(date)

Applying the water to beneficial use was completed on

Aug. 2000
(date)

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

George A. Wang
(signature)



Permit No. 1730-1
Upper Cheyenne - 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, May 12, 2003, made a thorough examination of the water use system constructed by George Wang of 21603 N Highway 79, Piedmont SD 57769 holder of Permit No. 1730-1, bearing the priority of June 23, 2000 authorizing the diversion of 0.10 cu. ft. per second of the waters of ground water (Minnelusa Formation) for commercial purposes, in Meade County.

Inspection contact & relationship to permit holder, if applicable: **George Wang, owner**

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: Cimarron Drilling
- 2) No. of Wells 1
- 3) Depth(s) 440 feet
- 4) Well log is available Y

Casing:

- 1) Diameter 5½ inches
- 2) Length 394 feet
- 3) Type Steel

Screen:

- 1) Type no info on log
- 2) Static water level flowing well

Motor/Pump:

- 1) Make ?
- 2) Capacity 45 GPM

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

Water is diverted to a 2,500 gallon storage tank and then distributed to 42 hookups.

C. Compliance with Permit Requirements:

- 1) Permit qualifications being abided by Y
- 2) Exceptions to compliance are: none

Corrected:
Latitude 44.27093
Longitude -103.41802
By Ron Duvall 10/26/2005

The system is in good condition with the point of diversion located as follows: Well: 1,300 feet W and 120 feet S from the NE corner section 32-T4N-R6E (NE¼NE¼ -- Lat. ~~44.23297~~, Long. ~~-103.35044~~). The works are capable of diverting and conveying to the place of use 0.10 cu. ft. per second of water which is to be used for commercial purposes. Water has been put to beneficial use to the maximum extent and the license should be issued for 0.10 cfs.

All structures, wells and lands on map Y

Comments or other permit(s) associated with the project: none



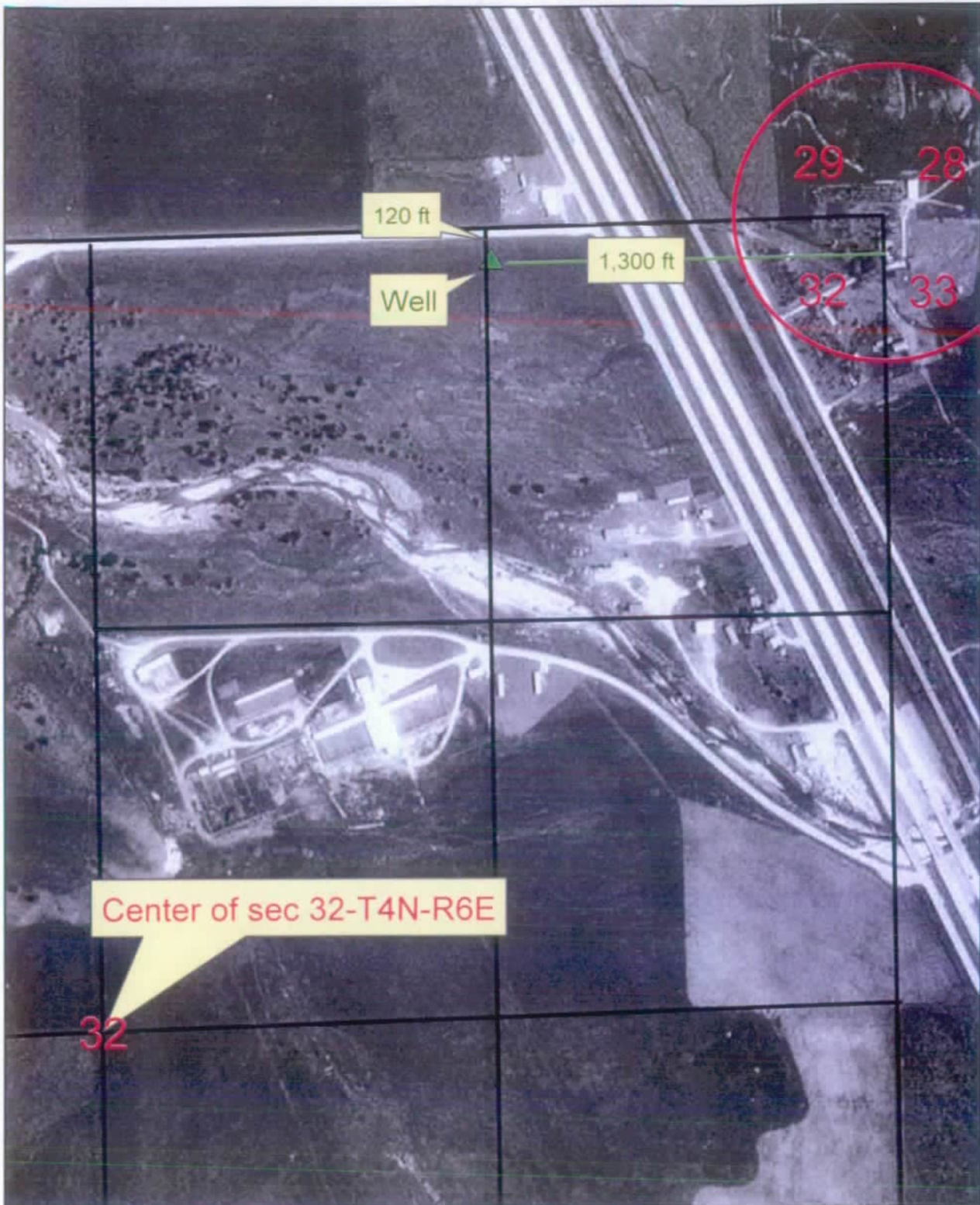
Ron Duvall
Natural Resources Engineer
DENR, Water Rights Program

Date report completed: July 21, 2003

Scale: 1 inch equals 501 feet

700

Feet



South Dakota
Department of Environment
& Natural Resources
Water Rights

Completed by:

Ron Duvall
Ron Duvall, Natural Resources Engineer
Water Rights Program

Diversion point(s) located using GeoExplorer II GPS

Date: July 21, 2003

Water Right No. 1730-1

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 1730-1

(1) George A Wang, 21603 N Highway 79, Piedmont SD 57769 made Application No. 1730-1, June 23, 2000 for a water permit to divert 0.10 cubic feet of water per second from ground water (one well – Minnelusa Formation), Meade County, South Dakota for commercial purposes. Permit No. 1730-1, with a priority date of June 23, 2000 was approved August 14, 2000 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before August 14, 2005 and for the application to beneficial use of water on or before August 14, 2009.

On September 8, 2000, the permit holder submitted a *Notice of Completion of Works and Application of Water to Beneficial Use*. The *Notice* indicated the water use system was completed and water placed to beneficial use in August, 2000.

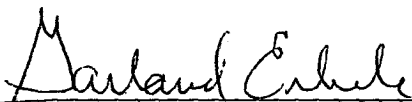
(2) The water supply system has been completed and water applied to beneficial use in accordance with South Dakota State Law. Pursuant to South Dakota Codified Law 46-5-30.1, George A Wang the holder and/or owner of Water Right No. 1730-1 is issued a license, bearing a priority date of June 23, 2000 to appropriate 0.10 cubic feet of water per second from ground water (one well – Minnelusa Formation) to be used for commercial purposes.

The diversion point is located 1,300'W & 120'S of the NE corner of Section 32, T4N, R6E (NE ¼ NE ¼).

The water is distributed to 42 hookups within the Heart of the Hills Campground.

(3) This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Permit No. 1730-1 including the following 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.
- The well authorized by Permit No. 1730-1 shall be constructed by a licensed well driller and construction 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.



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

OCT 10 2003

date





DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

OCT 10 2003

1730-1

George Wang
21603 N Highway 79
Piedmont SD 57769

Dear Mr. Wang:

Enclosed is Water License No. 1730-1. This is the final water right document completing your process of obtaining a Water Right. Also enclosed is a map prepared by the staff engineer who conducted the field investigation. You may keep this for your records.

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. 1730-1, 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.

Sincerely,

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

enclosures