

WATER PERMIT NO. 2475-2

Name of Applicant: City of Rapid City

Address: 300 Sixth St, Rapid City SD 57701-2724

Phone: 605 394-2724

Amount of Water Claimed: 2.67 cfs (1,160 AF)

Total Acres: NA

Source of Water Supply: groundwater (one well)

Water to be used for: municipal

County: Pennington

Type of Waste Disposal System:

Location:

PRIORITY

Date Received: 1-18-2002

Fee: \$425

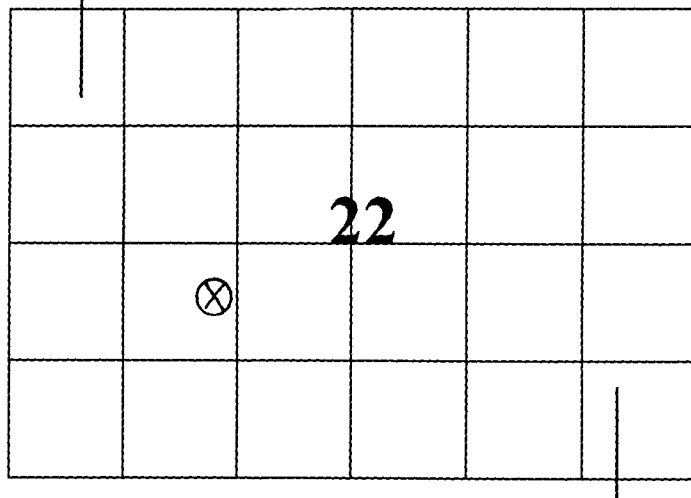
Corrected Application Received::

Period of Annual Use: January 1- December 31

Remarks: Withdrawal from Future Use Permit No. 2086-2

Diversion Point: NW ¼ SW ¼ Sec 22-T1N-R7E

Land to be Irrigated: NA



Depth of Well: 1600 feet deep

Well Driller: : _

Remarks:

Type of Map: topo

Prepared by: Stacey P. Titus, RPE

Reviewed and the Number Assigned on: 1-18-2002

By: Karen Schlaak

Notice of Hearing - date to intervene: _____

FORM 2: Application for uses other than irrigation
(type or print)

Mail to: Water Rights Program Joe Foss Building 523 E. Capitol Pierre, SD 57501-3181 (605) 773-3352	No. <u>2475-2</u>	(office use only) Hydrologic Unit <u>10120110</u>
	Basin <u>Upper Cheyenne</u>	
	Newspaper <u>Rapid City Journal, Rapid City</u>	



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. 2086-2
Amendment/Correction to Permit No. _____

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.) This application is for
Well #12 within the City of Rapid City and will be under Permit No. 2086-2 signed by the City on
May 16, 1989

- Name of Applicant Water Division, City of Rapid City Phone (605) 394-4162
(check one) ☐ Owner ☐ Tenant/lessee
Mailing Address 300 Sixth Street, Rapid City State SD 57701-2724
(Street, RR, or Box and City) (Zip Code)
- Amount of water claimed 2.67 *CFS or 1,200 **GPM 1,160 ac - ft/yr ***AF
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable
- Source of water supply Madison Aquifer
- Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) See attached sheets
NW1/4, SW1/4, Section 22, T1N, R7E, BHM
County Pennington
- County or counties where water will be used Pennington
- Annual period during which water is to be used All year, January 1 to December 31
- 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)

Madison Formation Well (see attached sheets)

STATE OF SOUTH DAKOTA)

County of Pennington)

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, Jerry Munson, 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 Jerry Munson

Subscribed and sworn to before me this 16th day of January, 2002

Kay J. Pennington
Notary Public signature

SOUTH DAKOTA
WATER PERMIT NO. 2475-2

Date of first receipt of application January 18, 2002.

The Water Management Board approved Water Permit Application No. 2475-2 on March 13, 2002 for City of Rapid City, 300 6th St, Rapid City SD 57701-2724 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. 2475-2 authorizes the city to construct and place to beneficial use 2.67 cubic feet of water per second (1,160 acre feet annually) from one well (Madison Aquifer) 1,600 feet deep located in the NW ¼ SW ¼ Section 22-T1N-R7E. This water was appropriated and reserved by Future Use Permit No. 2086-2.
2. The water appropriated shall be used for the purpose of supplying water for municipal use 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: January 1 – December 31.
4. The date from which applicant may claim right is May 18, 1989.
5. One-fifth of the construction is to be completed on or before September 13, 2004.
6. All construction is to be completed on or before March 13, 2007.
7. Water is to be put to beneficial use on or before March 13, 2011.
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. In accordance with SDCL 46-1-14 and 46-2A-20, Permit No. 2475-2 is issued for a twenty year term. Pursuant to SDCL 46-2A-21, the twenty year term may be deleted at any time during the twenty year period or following its expiration. If the twenty year term is not deleted at the end of the term, the permit may either be cancelled or amended with a new term limitation of up to twenty years. Permit No. 2475-2 may also be cancelled for nonconstruction, forfeiture, abandonment or three permit violations pursuant to SDCL 46-1-12, 46-5-37, 46-5-37.1, and ARSD 74:02:01:37.
2. 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.
3. The well authorized by Permit No. 2475-2 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.

(continued)

4. Water Permit No. 2475-2 authorizes a total annual diversion of 1,160 acre feet of water.
5. The City of Rapid City shall report to the Chief Engineer annually the amount of water withdrawn from the Madison Formation.

WATER MANAGEMENT BOARD

By: Garland Erbele

Garland Erbele, Chief Engineer

Water Rights Program

Department of Environment and Natural Resources

APR 16 2002

date



(type or print in ink)

1. Well Information - Proposed Construction

- a) Drill Hole Diameter 17 1/2" Depth 1,600 feet
- b) Casing Type Steel Diameter 13-1/8 inch Thickness 0.375 inch
- c) Screen Type Open Hole Diameter 12 1/4 inch Thickness None
- d) Gravel Pack None Length of Gravel Pack None
- e) Depth to Top of Water Bearing Material 1,100 feet
- f) Depth to Water (ground surface to water level) 100 feet (based on levels of existing wells)
- g) Distance to nearest existing domestic well: No Madison Wells in Vicinity of Proposed Well

On applicants property 4,100' NW Well #11 On property owned by others 7,000' SW Red Rock Estates

2. Wastewater Disposal System Information N/A

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

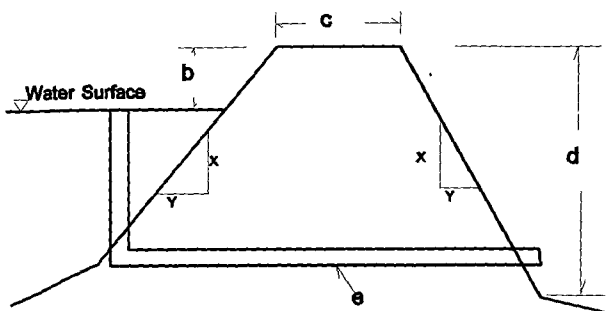
3. Dugout Information N/A

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

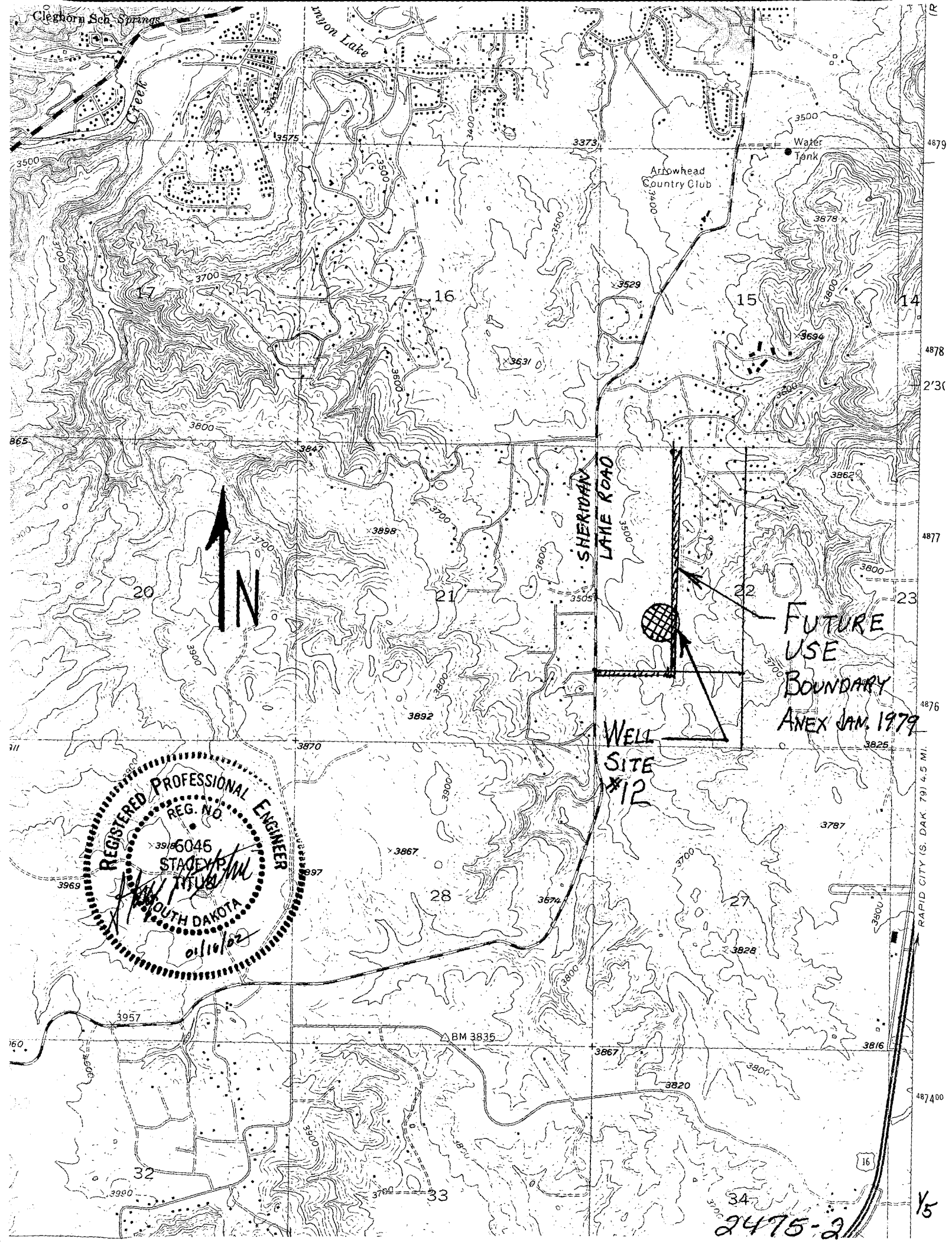
4. Water Storage Dams N/A

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



Cleghorn Sch. Springs

Arrowhead Lake

Arrowhead Country Club

Water Tank

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 3916046
STATE OF SOUTH DAKOTA
01/16/82

WELL SITE #12

FUTURE USE BOUNDARY
ANEX JAN. 1979

2475-2

Y5

RECEIPT

Water Rights Program

South Dakota Department of Environment and Natural Resources

NO 417079

Pierre, February 7, 20 02

RECEIVED OF City of Rapid City, 300 6th St., Rapid City, SD 57701-2724

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

Fee for Application for Permit No. <u>2475-2</u> to Appropriate Water, to construct and to put water to beneficial use _____	425	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>2475-2</u>	50	00
Fee for Filing Transfer Form _____		
Fee for Filing Extension Request _____		
Fee for _____		

(Any Other Work Provided by Law)	Total	475 00

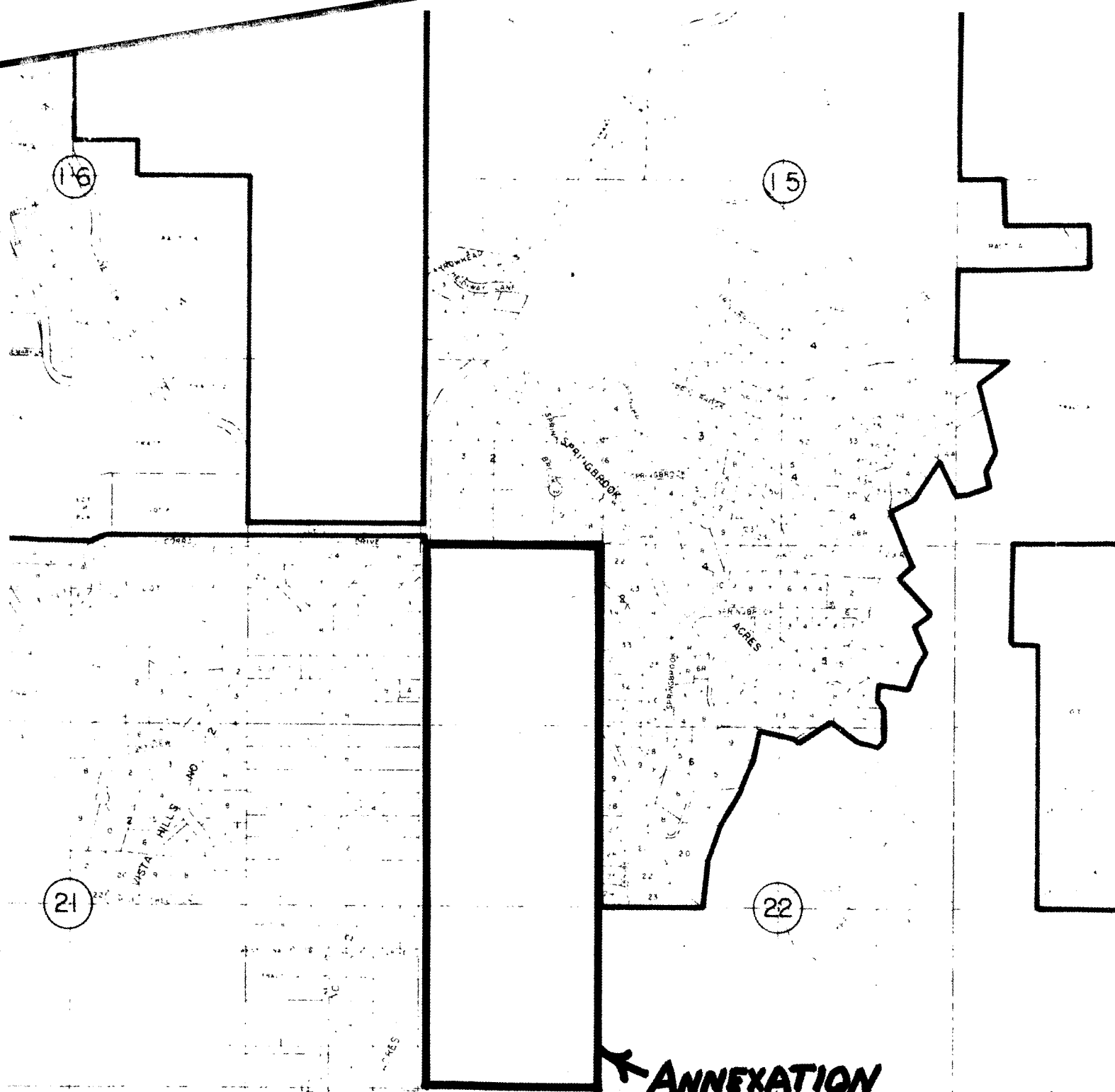
By _____
Chief Engineer

Darland Erbe
gm





Dream Design International, Inc.
3202 West Main Street Suite D
Rapid City, SD 57701
605/348-0538



**ANNEXATION
AREA**

**W $\frac{1}{2}$ OF NW $\frac{1}{4}$ &
NW $\frac{1}{4}$ OF SW $\frac{1}{4}$ OF
SEC. 22, T1N, R7E, B1W**

COMMON COUNCIL MINUTES

January 2, 1979

The following resolution was introduced, read, and Steinburg moved its adoption:

A RESOLUTION ANNEXING THE WITHIN DESCRIBED TERRITORY

WHEREAS a petition, signed by the owners of the within described territory and by all the legal voters residing thereon, has been filed with the City of Rapid City, and
WHEREAS the Common Council of the City of Rapid City deems it for the best interest of the City that the within described territory be included within the corporate limits of the City and annexed thereto:

W $\frac{1}{4}$ of the NW $\frac{1}{4}$ and NW $\frac{1}{4}$ of the SW $\frac{1}{4}$ of Section 22, Township 1 North, Range 7 East of the Black Hills Meridian, Pennington County, South Dakota

Dated this 2nd day of January, 1979.

THE COMMON COUNCIL

Arthur P. LaCroix
Mayor

ATTEST:

W. M. Hinde
Finance Officer

(SEAL)

The motion for the adoption of the foregoing resolution was seconded by Loucks. According to Heibert this is a request for annexation of some 120 acres that is bordered by the City limits on the north and east. He noted that the Planning Commission and City staff feels this property can be provided with City services, therefore recommend approval of the annexation request. Upon vote being taken thereon the following voted AYE: Goschke, Loucks, Madden, McKay, Owens, Schmidt, Steinburg, Thomsen, and Tubbs, NO: None, whereupon said resolution was declared duly passed and adopted.



CITY OF RAPID CITY

Engineering Division

300 Sixth Street
Rapid City, SD 57701-2724
Telephone: 605-394-4154 Fax: 605-394-6636
Direct Phone: (605) 394-5377 Ext. 221
stacey.titus@rapid-city.sd.us

January 16, 2002

Mr. Mark Rath, Natural Resources Engineering Specialists
Water Rights Program
SD Department of Environmental & Natural Resources
Joe Foss Building
523 E. Capitol
Pierre, SD 57501-3181

Re: Application for Permit to Appropriate Water
Well #12 - Stoney Creek Subdivision
Project No. W02-1156
Rapid City, South Dakota



Dear Mr. Rath:

Enclosed herewith is an Application for Permit to Appropriate Water for one well site:

Well #12; Stoney Creek - NW1/4, SW1/4, Section 22, T1N, R7E, BHM

Enclosed is a purchase order for the filing fee for this well.

Well #12 will be constructed on Lot 7 of Block 4 of Stoney Creek Subdivision, Phase I. This is a City lot. We would like to let a contract to drill the well this April. Therefore, if at all possible, we would like to this application to be considered at your next regularly scheduled Board Meeting.

Sincerely,

CITY OF RAPID CITY

Stacey Titus, P.E.
Project Manager

Enclosure

cc: Dan Bjerke, Public Works Director
Randy Nelson, Engineering Division Manager
Development File



EQUAL OPPORTUNITY EMPLOYER

**DEPARTMENT OF ENVIRONMENT AND NATURAL
RESOURCES****NOTICE OF INTENT
TO RECEIVE COVERAGE UNDER THE
GENERAL PERMIT FOR TEMPORARY DEWATERING
AND A TEMPORARY WATER USE PERMIT**

This form is provided by the Secretary of the South Dakota Department of Environment and Natural Resources in accordance with 674:52:02:09 of the Administrative Rules of South Dakota. No South Dakota Surface Water Discharge Permit will be issued except under completion, and submittal of this form to the following addresses:

original to: South Dakota Department of Environment
and Natural Resources
Point Source Control Program
Joe Foss Building
523 East Capitol Avenue
Pierre, South Dakota 57501-3181
Telephone: (605) 773-3351 FAX: (605) 773-4068

copy to: U.S. Environmental Protection Agency
Region VIII
NPDES Branch (8WM-C)
999 18th Street, Suite 500
Denver, CO 80202-2466
Telephone: (303) 293-1260

RECEIVED

OCT 31 2002

SURFACE WATER PROGRAM

PLEASE PRINT OR TYPE**1. Name of Facility:****2. Mailing Address of Owner:**

Name City of Rapid City Public Works Department
Street 300 Sixth Street
City Rapid City
State SD County Pennington Zip Code 57701

3. Mailing address of facility (if different from owner):

Name _____
Street _____
City _____
State _____ County _____ Zip Code _____

4. Telephone Number:

Owner: (605) 394-4165 Facility: () Fax: (605) 394-6636

5. Standard Industrial Classification (SIC) Code of facility:**6. Is this facility located in Indian country? ☐ Yes ☒ No****7. Please list all the activities which require the applicant to obtain a discharge permit.****8. Estimate the following:**

Date water withdrawal will commence: _____ Date for commencement of discharge: 11/11/2002
Termination date of withdrawal: _____ Termination date of discharge: 11/26/2002
Total volume of withdrawal: _____ Total volume of discharge: 2,000,000 Gals.
Average flow rate of withdrawal: _____ Average flow rate of discharge: 1,000 GPM

9. Source of water which is to be discharged: Well No. 12 into Madison Aquifer**10. Name of Receiving Waters: N/A**

FOR SD DENR USE ONLY

Permit Number: _____	Date Received: _____
Date Permitted: _____	PCS: _____

(2475-2)
no temporary
needed
for

11. Brief description of water treatment processes employed, if any: N/A

12. Describe the discharge and the type of wastewater from each outfall. Include all overflows, bypasses, or discharges from holding ponds, trenches, excavations, vessels, pipelines, etc.:

Outfall 001 Pump Test – ground water from Madison Aquifer

Outfall 002 _____

Outfall 003 _____

Attach additional sheets if necessary.

NOTE: Please place points of discharge on a topographic map, or other map if a topographic map is unavailable. This map should extend to one (1) square mile beyond the property boundaries of the facility and each of its discharge facilities, and those wells, springs, and other surface water bodies, drinking water wells, and surface water intake structures listed in public records, or otherwise known to the applicant in the map area.

13. Is there any reason to believe that the discharge may contain any pollutant other than those limited in the permit (i.e. TSS and TPH)? ☐ Yes ☒ No

If yes, list any pollutants that may be present:

NOTE: Attach any analytical data which indicate levels of pollutants present in water to be discharged.

If requesting coverage for Hydrostatic Testing related discharges, complete questions 14-17.

14. Type of vessel being tested: N/A

15. Material from which vessel is constructed: N/A

16. Check appropriate box: ☐ Vessel has been previously used ☐ Vessel is virgin material

17. Description of fluid material normally contained/transported through the vessel: N/A

18. List other information which you feel should be brought to the attention of the SDDENR regarding coverage under this general permit. Well enhancement with remaining water to be contained in Contractor's tank and neutralized prior to discharge.

Attach additional sheets if necessary.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including revocation of the permit and the possibility of fine and imprisonment for knowing violations.

NOTE: Notice of Intent must be signed by the authorized chief elective or executive officer of the applicant, or by the applicant, if an individual.

Name (print) DANIEL L. BJERKE, PE/LS

Title PUBLIC WORKS DIRECTOR

Date October 31, 2002

Signature

Subscribed and sworn to before me this 31st day of October, 20 02

Notary Public

My commission expires July 15, 2006

WATER PERMIT APPLICATION NO. 2475-2
CITY OF RAPID CITY
JANUARY 23, 2002

Water Permit No. 2475-2 proposes to appropriate 2.67 cubic feet of water per second (1,160 acre-feet annually) from one well (Madison aquifer) 1600 feet deep located in the NW¼ SW¼ Sec.22, T1N-R7E, in Pennington County. This water was appropriated and reserved by Future Use Permit No. 2086-2. The water will be used for municipal use by the City.

AQUIFER: Madison aquifer (MDSN)

The Madison (Pahasapa) Limestone is a massive limestone and dolomite that underlies much of the Western United States. In this area the Madison Limestone is estimated to be 300-400 feet thick (Cattermole, 1969). The top portion of the Madison Limestone contains randomly distributed zones of secondary porosity and permeability formed by weathering of exposed surfaces, groundwater solution and fracturing, and is considered the Madison aquifer. The Madison is generally considered an excellent aquifer both in terms of quality and quantity, especially near the outcrop (recharge area). The aquifer underlies approximately 30,000 square miles of western South Dakota and contains at least 640 million acre-feet of recoverable water in storage in the State (Allen and others, 1984). The well site proposed by this permit is located approximately three miles east of the Madison outcrop (recharge area). The top of the Madison Limestone is expected to be approximately 1000 feet below grade at this site (Carter and Redden, 1999). The static water level of a Madison aquifer well is expected to be approximately 300 feet below grade at this site (Strobel and others, 2000).

Recharge to the Madison aquifer occurs through streamflow losses and direct infiltration of precipitation at the outcrop area. Recharge for the entire Madison aquifer in South Dakota has been estimated to range from 140,000 to 400,000 acre-feet per year (Woodward Clyde, 1981). Average annual recharge from 1931-1998 is estimated to be approximately 137,000 ac-ft/yr (Carter and others, 2001a).

The Water Rights Program monitors 26 observation wells completed into the Madison aquifer in the Black Hills area. This well site is located within approximately three miles of four Water Rights' Observation wells that are completed into the Madison aquifer, (PE-65A, PE-86A, PE-96A and PE-89A). Hydrographs for the wells show the aquifer's response to climatic conditions and clearly demonstrate the system is recharged, (see figures 1-4). The hydrograph for PE-65A also shows approximately 40 feet of drawdown in response to pumping from Rapid City Well No. 5, which is, located approximately 1700 feet from the observation well. The pump rate for Rapid City Well No. 5 is reported to be 1,600 gpm (John Wagner, City of Rapid City, oral commun. 2002).

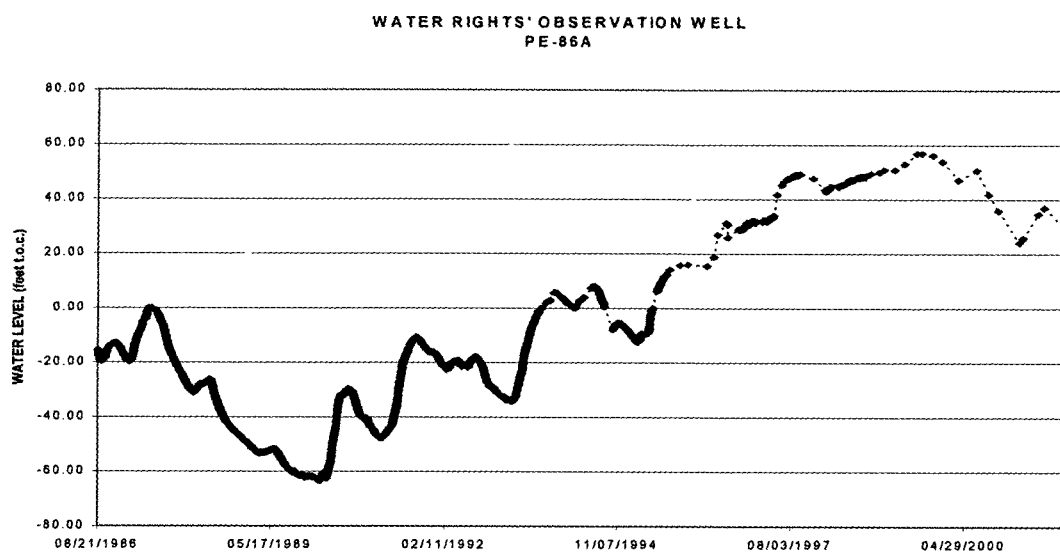


Figure 1. Hydrograph of Water Rights' Observation Well PE-86A, located approximately three miles south of the well site proposed by 2475-2

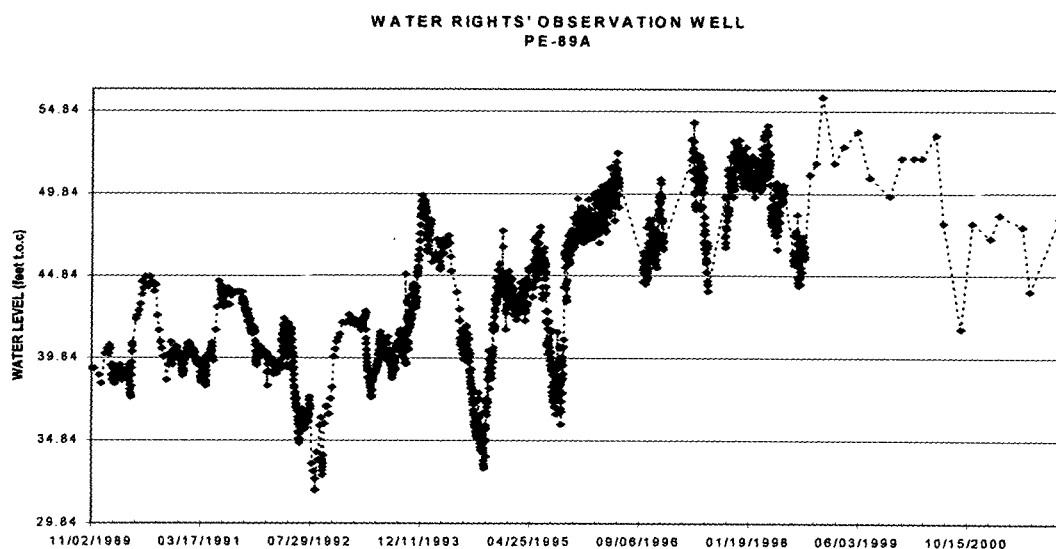


Figure 2. Hydrograph of Water Rights' Observation Well PE-89A, located approximately two and one-half miles northwest of the well site proposed by 2475-2

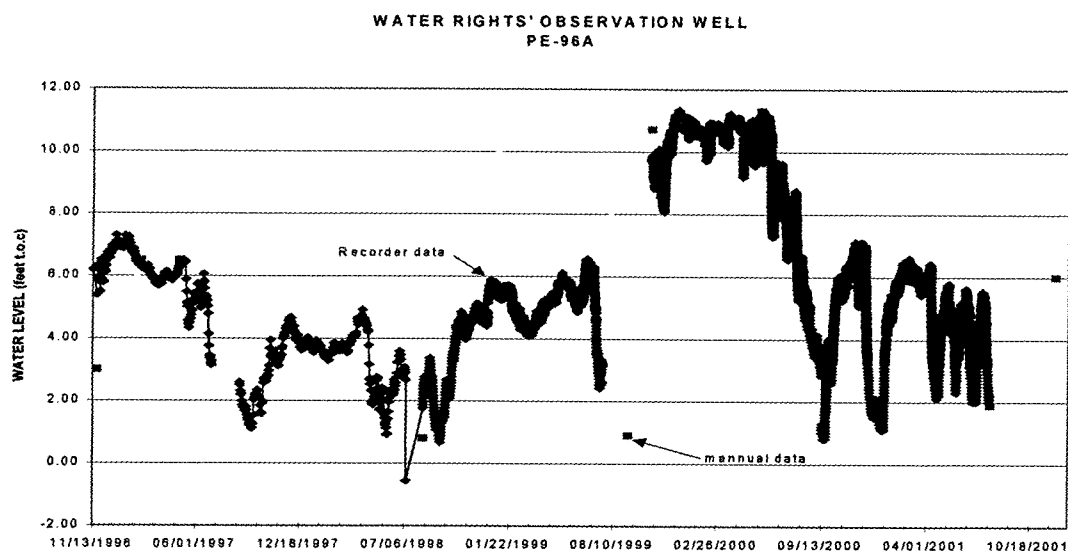


Figure 3. Hydrograph of Water Rights' Observation Well PE-96A, located approximately two and one-half miles northwest of the well site proposed by 2475-2

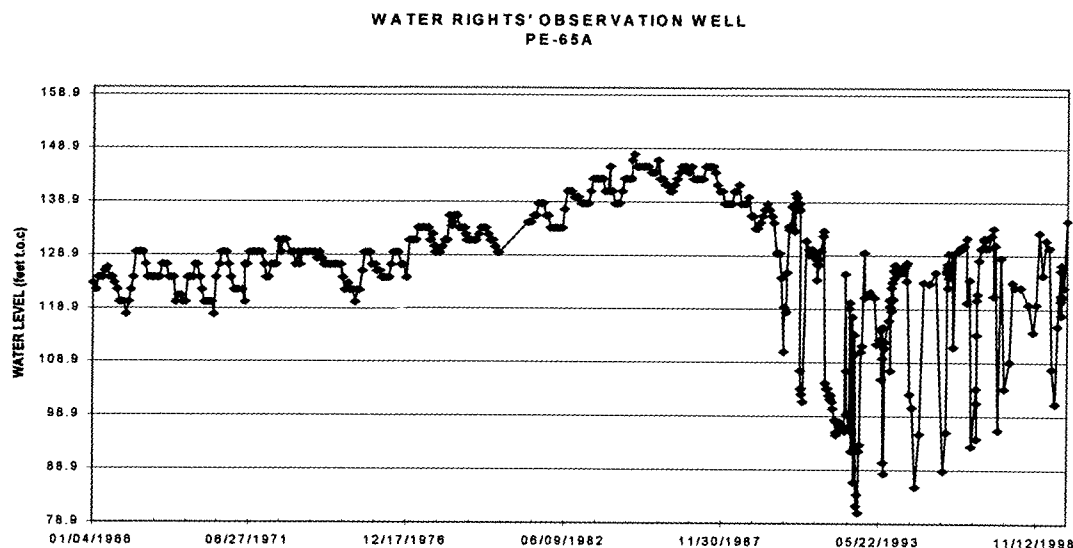


Figure 4. Hydrograph of Water Rights' Observation Well PE-65A, located approximately three miles north of the well site proposed by 2475-2

Records from the observation wells indicated the potentiometric surface of the Madison aquifer fluctuates 30-40 feet per year near the recharge area in response to seasonal and climatic variations. Long-term water level declines are not apparent from any of the hydrographs. Observation well data suggest that at the existing level of development, natural influences dominate the water levels of the aquifer and the effects of pumping as yet are not obvious.

The high cost of Madison wells, except very near the outcrop, and the availability of groundwater from shallower aquifers, has limited domestic development and generally restricted usage from the Madison to those uses which require water rights. There are a total of 116 permits/rights which appropriate water from the Madison aquifer in South Dakota. The majority of the water rights/permits from the aquifer are from Butte(17), Lawrence(22), Meade(23), Pennington(31) and Fall River(11) Counties. The Madison supplies water for irrigation, geothermal, industrial, and commercial use. However, by far the major use of the aquifer is for common distribution systems (suburban housing development and municipal use). The cities of Spearfish, Belle Fourche, Sturgis, Rapid City, Box Elder, and Edgemont all depend on water from the Madison Aquifer.

If the worst case assumptions are made that (1) permits/rights with an annual withdrawal limitation (ac-ft/yr) will use the maximum allowable; and (2) permits/rights that are limited by a diversion rate only, will use 60% of the maximum allowable (considered reasonable for water distribution systems); the total water use from the Madison would be less than 50,000 acre-feet per year. The actual amount of water used from the Madison is considerably less than this estimate. Withdrawals from wells completed into the Madison aquifer were estimated to be 10,990.2 acre-feet annually from 1987-1996 (Carter and others, 2001b). Comparison of the estimated annual recharge to the Madison with the water use estimated from the aquifer indicates unappropriated water is available from the Madison aquifer.

This application, if approved, does not appropriate any additional water from the Madison aquifer. This is an application to place to beneficial use 1,160 acre-feet of water per year that has been reserved by Future Use Permit No. 2086-2. The future use permit originally appropriated 9,991 ac-ft/yr. Five Water Permits/Rights have been approved to put water to beneficial use from this reservation, they include:

Permit No	Appropriation	Water Remaining in 2086-2
2125-2	800 ac-ft	9,191 ac-ft
2155-2	1160 ac-ft	8,031 ac-ft
2156-2	482 ac-ft	7,549 ac-ft
2275-2	491 ac-ft	7,058 ac-ft
2273-2	756 ac-ft	6,302 ac-ft

Upon review of the files, it appears that a discrepancy may exist in Water License No. 2273-2, which should be re-inspected. It appears, that the diversion authority and annual volume associated with this license may be redundant and errant. Therefore, at least a portion of the water deducted from the future use will revert back.

Affects on Existing Rights:

There are 34 Water Rights/Permits appropriating groundwater within approximately three miles of this proposed well site. Wells supplied from aquifers other than the Madison are not expected to be affected by withdrawals from the this well because the Madison is isolated from shallower aquifers by the lower Minnelusa formation and isolated from deeper aquifers by the Englewood and Whitewood Formations.

There are nine Water Rights/Permits appropriating groundwater from the Madison aquifer within approximately three miles of the well proposed by this application, they include:

Permit No.	Owner	Use	Cfs
433-2	City of Rapid City	MUN	0.84
1726-2	Colonial Pine Hills	SHD	0.38
1965-2	Highland Hills Water Assoc.	SHD	0.06
2090-2	Chapel Lane Water Co.	SHD	1.17
2106-2	Stuart & Pamela Rice	IRR	0.09
2108-2	Richard/Morry Clarkson	SHD	0.09
2156-2	City of Rapid City	MUN	1.11
2273-2	City of Rapid City	MUN	12.42
2458-2	Red Rock Development	IRR	1.33

With the exception of Rapid City Well No. 11 which is located approximately 0.8 miles northwest of this well site, the nearest Water Permit/Right appropriating water from the Madison aquifer is Water Permit No. 2458-2, Red Rock Development. The Red Rock's well is located approximately 1.4 miles from the well proposed by this application.

At this time it is not practical to attempt to quantify the specific affect pumping this well will have on area wells since aquifer characteristics have not been determined for this area, and the variability of the hydraulic characteristics has been well documented (Greene, 1993). In addition, Greene concluded that the transmissivity of the Madison is not equal in all directions (anisotropic), therefore the drawdown cone will extend farther in one direction than another.

Although the impact of this appropriation cannot be quantified precisely, it is still possible to address whether this appropriation can be made without adversely affecting water rights, including domestic wells. In the first place, the distance from other Madison wells should be sufficient to minimize interference. Secondly, Water Management Board rules 74:02:04 and 74:02:05, which were promulgated pursuant to SDCL 46-6-6.1, provide protection to prior appropriators only to the degree necessary to maintain an adequate depth of water in wells that have the ability to produce water independent of artesian pressure. Simply put, the pump placement in a prior appropriator's well is not necessarily protected. In fact, in past action, the Water Management Board it has concluded that if increased cost or decreased production is considered an adverse impact, it could be in conflict with SDCL 46-1-4, which requires South Dakota's water resources to be put to beneficial use to the fullest extent of which they are capable.

Although there are a limited number of domestic wells completed into the Madison aquifer in this area (Water Rights 2002a) the potential affect of this appropriation to domestic wells must be considered. It is likely that even if a domestic well completed into the Madison aquifer in this area experienced interference, it would still be capable of delivering sufficient water with a pump inlet placed near the top of the aquifer. Therefore adverse impact to domestic wells is not probable.

Term Limitation:

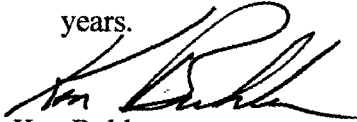
SDCL 46-2A-20 requires that "... no water permit for construction of works to withdraw water from the Madison formation in Butte, Fall River, Custer, Lawrence, Meade and Pennington counties may be issued for a term of more than twenty years, unless the water management board determines, based upon the evidence presented at the hearing that:

- (1) Sufficient information is available to determine whether any significant adverse hydrologic effects on the supply of water in the Madison formation would result if the proposed withdrawal were approved; and
- (2) The information, whether provided by the applicant or by other means, show that there is a reasonable probability that issuance of the proposed permit would not have a significant adverse effect on nearby Madison formation wells and springs."

Evidence is not available to justify issuing this permit without a term limitation of 20 years.

Conclusions:

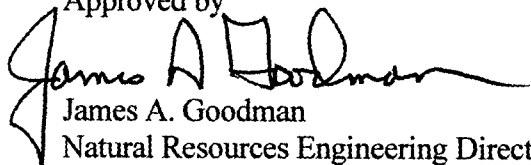
1. The Madison aquifer is a viable aquifer in this area.
2. This application proposes to put to beneficial use water that has been appropriated by Future Use Permit No. 2086-2.
3. This diversion will not adversely impair existing water rights.
4. Information is not available to justify issuing this permit without a term limitation of 20 years.



Ken Buhler

Natural Resources Engineering Specialist

Approved by



James A. Goodman

Natural Resources Engineering Director

References:

Allen, J.C., Iles, D.L., Petres, A.K., Analysis of Groundwater and Streamflow Data Western Dakotas Region of South Dakota, Task 3 and 4: Groundwater Resource Inventory, U.S. Army Corps of Engineers Contract DAWC 45-82-C-0151, SD DENR-Geological Survey, Vermillion, SD

Carter, J.M., Redden, J.A., 1999, Altitude of the Top of the Madison Limestone in the Black Hills Area, South Dakota, Hydrologic Investigations Atlas HA-744-D, U.S., Department of the Interior, U.S. Geological Survey, Rapid City, SD

Carter, J.M., Driscoll, D.G., Hamade, G.R., 2001a, Estimated Recharge to the Madison and Minnelusa Aquifers in the Black Hills Area, South Dakota and Wyoming, Water Years 191-98, Water-Resources Investigations Report 00-4278, U.S. Department of the Interior, U.S. Geological Survey, Rapid City, SD

- Carter, J.M., Driscoll, D.G., Hamade, G.R., and Jarrell, G.J., 2001b, Hydrologic Budgets for the Madison and Minnelusa Aquifers, Black Hills of South Dakota and Wyoming, Water Years 1987-1996, Water-Resources Investigations Report 01-4119, U.S. Department of the Interior, U.S. Geological Survey, Rapid City, SD
- Cattermole, J.M., 1969, Geologic Map of the Rapid City West Quadrangle, Pennington County, South Dakota, Geologic Quadrangle Maps of the United States, Map GQ-828, U.S. Geological Survey, Washington, D.C.
- Greene, E.A., 1993, Hydraulic Properties of the Madison Aquifer System in the Western Rapid City Area, South Dakota, Water-Resources Investigations Report 93-4008, U.S. Department of the Interior, U.S. Geological Survey, Rapid City, SD
- Strobel, M.L., Galloway, J.M., Hamade, G.R., and Jarrell, G.J., 2000, Potentiometric Surface of the Madison Aquifer in the Black Hills Area, South Dakota, Hydrologic Investigations Atlas HA-745-D, U.S. Department of the Interior, U.S. Geological Survey, Rapid City, SD
- Water Rights Program, 2002a, "Domestic Well Log Files", South Dakota DENR-Water Rights Program, Joe Foss Building, Pierre, SD
- Water Rights Program, 2002b, "Unpublished Observation Well Records", South Dakota DENR-Water Rights Program, Joe Foss Building, Pierre, SD
- Water Rights Program, 2002c, "Water Permit/Right Files", South Dakota DENR-Water Rights Program, Joe Foss Building, Pierre, SD
- Woodward Clyde Consultants, 1981, Well Field Hydrology Technical Report, for the ETSI Coal Slurry Pipeline Project, U.S. Dept. of the Interior, Bureau of Land Management



**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. 2475-2, City of Rapid City**

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. 2475-2, City of Rapid City, c/o Mayor Jerry Munson, 300 Sixth Street, Rapid City SD 57701-2724.

The Chief Engineer is recommending APPROVAL of Application No. 2475-2 for a 20 year term pursuant to SDCL 46-1-14 and 46-2A-20 because 1) the proposed diversion can be developed without unlawful impairment of existing rights, 2) the proposed use is a beneficial use, and 3) it is in the public interest with the following qualifications:

1. In accordance with SDCL 46-1-14 and 46-2A-20, Permit No. 2475-2 is issued for a twenty year term. Pursuant to SDCL 46-2A-21, the twenty year term may be deleted at any time during the twenty year period or following its expiration. If the twenty year term is not deleted at the end of the term, the permit may either be cancelled or amended with a new term limitation of up to twenty years. Permit No. 2475-2 may also be cancelled for nonconstruction, forfeiture, abandonment or three permit violations pursuant to SDCL 46-1-12, 46-5-37, 46-5-37.1, and ARSD 74:02:01:37.
2. 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.
3. The well authorized by Permit No. 2475-2 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.
4. Water Permit No. 2475-2 authorizes a total annual diversion of 1, 160 acre feet of water.
5. The City of Rapid City shall report to the Chief Engineer annually the amount of water withdrawn from the Madison Formation.

See report on application for additional information.

Garland Erbele
February 5, 2002

Form 8

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
) SS
County of Pennington)

I, Patricia K. Van Datten

certify that the attached printed Notice was
taken

from the Rapid City Journal

printed and published in Rapid City

County of Pennington and

state of South Dakota. The notice was published

in the newspaper on the following two dates:

February 13, 2002

February 20, 2002

Cost of Printing One hundred twenty -

seven dollars and ninety-two cents
(\$127.92)

Patricia K. Van Datten
(Signature)

Legal Advertising Representative
(Title)

2/20/02
(Date Signed)

Feb. 13, 20 L1081313

NOTICE OF HEARING ON APPLICATION NO. 2475-2 TO DEVELOP RESERVED WATER

Notice is given that the City of Rapid City, 300 6th Street, Rapid City, SD 57701, has filed an application for a water permit to construct and place to beneficial use 2.67 cubic feet of water per second (1,160 acre feet annually) from one well (Madison Aquifer) 1,600 feet deep located in the NW¼ SW¼ Section 22-T1N-R7E. This water was appropriated and reserved by Future Use Permit No. 2086-2. The water will be for municipal use by the City.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 2475-2 for a 20 year term pursuant to SDCL 46-1-14 and 46-2A-20 because 1) the proposed diversion can be developed without unlawful impairment of existing rights, 2) the proposed use is a beneficial use, and 3) it is in the public interest.

Any person interested in opposing or supporting this application must file a written petition with BOTH the applicant and Chief Engineer. The applicant must also file a petition if opposed to 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 March 4, 2002. 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.

The Water Management Board will consider this application at 1:15 p.m., March 13, 2002, in the Visitors Center (west side of Capitol Lake), 650 E. Capitol Ave., Pierre, S.D. The Chief Engineer's recommendation is not final or binding upon the Board. The Board is authorized to 1) approve, 2) approve with qualifications, 3) defer, or 4) deny this application based on the facts presented at the public hearing. The March 13, 2002, hearing date will be automatically delayed for at least 20 days upon written request to the Chief Engineer from the applicant or any interested person opposing the application. The request for an automatic delay must be filed by March 4, 2002.

This hearing will be an adversary proceeding. Any person filing a petition and/or the applicant have the right to be represented by a lawyer and may present evidence or cross-examine witnesses according to SDCL 1-26. These and other due process rights will be forfeited if not exercised. Decisions of the Board may be appealed to the Circuit Court and State Supreme Court as provided by law. Contact Eric Gronlund by March 4, 2002, at the above Water Rights Program address to request copies of information pertaining to this application, to assure access to the hearing by the handicapped or to obtain an interpreter for the hearing impaired.

This application is made pursuant to SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-16; 46-2-3, 46-2-9, 46-2-11, 46-2-13, 46-2-17; 46-2A-1 thru 46-2A-10, 46-2A-12, 46-2A-14, 46-2A-15, 46-2A-20, 46-2A-21; 46-5-1 thru 46-5-11, 46-5-13 thru 46-5-15, 46-5-24, 46-5-25, 46-5-30.2, 46-5-30.4, 46-5-31; 46-6-3, 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14, 46-6-26; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15.

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

RECEIVED

FEB 21 2002

WATER RIGHTS
PROGRAM

Instruction to Newspaper - Publish first Notice on February 13, 2002 with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF HEARING ON APPLICATION NO. 2475-2 TO DEVELOP RESERVED WATER

Notice is given that the City of Rapid City, 300 6th St, Rapid City SD 57701 has filed an application for a water permit to construct and place to beneficial use 2.67 cubic feet of water per second (1,160 acre feet annually) from one well (Madison Aquifer) 1,600 feet deep located in the NW ¼ SW ¼ Section 22-T1N-R7E. This water was appropriated and reserved by Future Use Permit No. 2086-2. The water will be for municipal use by the City.

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Any hearing will be an adversary proceeding. Any person filing a petition and/or the applicant have the right to be represented by a lawyer and may present evidence or cross-examine witnesses according to SDCL 1-26. These and other due process rights will be forfeited if not exercised. Decisions of the Board may be appealed to the Circuit Court and State Supreme Court as provided by law. Contact Eric Gronlund by March 4, 2002, at the above Water Rights Program address to request copies of information pertaining to this application, to assure access to the hearing by the handicapped or to obtain an interpreter for the hearing impaired.

This application is made pursuant to SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-16; 46-2-3.1, 46-2-9, 46-2-11, 46-2-13, 46-2-17; 46-2A-1 thru 46-2A-10, 46-2A-12, 46-2A-14, 46-2A-15, 46-2A-20, 46-2A-21; 46-5-1 thru 46-5-11, 46-5-13 thru 46-5-15, 46-5-24, 46-5-25, 46-5-30.2, 46-5-30.4, 46-5-31; 46-6-3, 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14, 46-6-26; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15. 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

February 6, 2002

Rapid City Journal
PO Box 450
Rapid City, SD 57709-0450

ATTENTION: Legal Public Notice

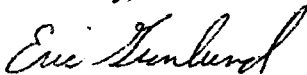
Enclosed is a Notice of Hearing on Application No. 2475-2 to Appropriate Water to be published twice. Please publish the first notice on February 13, 2002 with the second publication 7 days later.

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 City of Rapid City, %Daniel Bjerke, Public Works Director, 300 Sixth St., Rapid City, SD 57701-2724 (Ph # 605-394-4162).

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. 2475-2

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

Date _____

We are in receipt of your letter of February 6, 2002 enclosing Notice of Hearing to Appropriate Water by Application No. 2475-2 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.

February 6, 2002

City of Rapid City
% Daniel Bjerke, Public Works Director
300 Sixth St.
Rapid City, SD 57701-2724

Dear Mr. Bjerke:

Water Permit Application No. 2475-2 for municipal 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 Rapid City Journal printed at Rapid City, SD (Ph # 605-394-8300). 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**

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

February 6, 2002

Robert Borgmeyer
Selador Ranches, Inc.
6770 North Longfellow Drive
Tucson, AZ 85718-2420

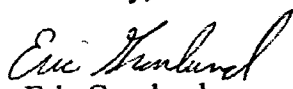
Dear Mr. Borgmeyer:

I am writing regarding Water Permit Application No. 2475-2 filed by Rapid City. This application proposes to appropriate water for municipal use.

Enclosed is a copy of the recommendation, report and notice of hearing on this application. The notice is to be published in the Rapid City Journal on February 13 and 20, 2002. If you are opposed to this application and want to participate in the hearing scheduled before the Water Management Board on March 13th, you must file a petition by March 4, 2002.

This information is being sent to you because of the interest you have expressed in keeping informed on water issues in this area.

Sincerely,


Eric Gronlund
Water Rights Program
(605) 773-3352

enclosures



APR 16 2002

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

City of Rapid City
% Daniel Bjerke, Public Works Director
300 Sixth St.
Rapid City, SD 57701-2724

Dear Mr. Bjerke:

Enclosed is Water Permit No. 2475-2 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

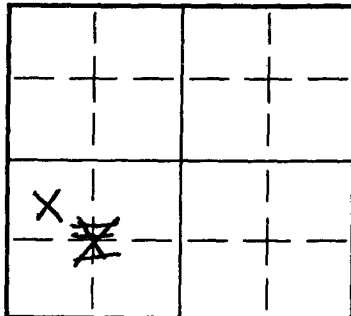
WATER PERMIT # 2475-2

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

NW SW
Location SW 1/4 SW 1/4 Sec 22 Twp 1 N Rg 7 E
County Pennington

Please mark well location with an "X"



Lot 1 Block 4
of Stone Creek
Supervision
Well Completion Date

6/03

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? _____ ft. from _____ (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
38 LB/FT	18 IN	0 FT	32 FT	30 IN
54.5 LB/FT	13 3/8 IN	0 FT	932 FT	17 1/2 IN
40.50 LB/FT	10 3/4 IN	920 FT	1040 FT	12 1/4 IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
Premium UTE	380	11.8 lb./gal	0	732 ft
CLASS G	150	15.6 lb./gal	732 ft	932 ft

Describe grouting procedure POSITIVE DISPLACEMENT
From 932' to SURFACE w/ 60 BBL to PIT

SCREEN: ☐ Perforated pipe ☐ Manufactured

Diameter _____ IN Length N/A FEET

Material _____

Slot Size _____ Set From _____ Feet to _____ Feet

Other information _____

WAS A PACKER OR SEAL USED? ☒ YES ☐ NO

If so, what material? 2-10 3/4" CEMENT BASKETS

Describe packer(s) and location? SET AT 1030' & 1040' IN LUG

DISINFECTION: Was well disinfected upon completion?

☒ YES, How: Liquid CLC T.P. To Bottom
@ 50 ppm

☐ NO, Why Not? _____

Laboratory sent to for water quality analysis

ENERGY LABS & USGS

Well Owner: City of Rapid City SD

Business Name: PUBLIC WORKS

Address: 300 SIXTH ST
Rapid City SD 57701

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
<u>SPEARISH</u>	<u>SURFACE</u>	<u>236</u>
<u>MINNEKATA LIME</u>	<u>236</u>	<u>266</u>
<u>OPECHE SHALE</u>	<u>266</u>	<u>395</u>
<u>MINNELESA</u>	<u>395</u>	<u>992</u>
<u>MADISON LIMESTONE</u>	<u>992</u>	<u>1320</u>
<u>SEE ATTACHMENTS</u>		

STATIC WATER LEVEL 115 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: 10 HR Pump Test
☐ Bailed w/ 200 HP SUBMERSIBLE
☐ Other _____

Pumping Level Below Land Surface

147 ft. After 3.25 Hrs. pumped 765 GPM

182 ft. After 2 Hrs. pumped 1400 GPM

If pump installed, pump rate _____ GPM

REMARKS SD Sch of Mines Geologist CALLED
MADISON TOP APPROX 90' high. A 10" LUG
WAS hung in the 13 3/8" ACROSS THE
VOID FORMATION AND INTO THE TOP OF MADISON
NO CEMENT WAS USED ONLY 2 CEMENT BASKETS

This well was drilled under license # 698

And this report is true and accurate.

Drilling firm WATER SYSTEM AIG TUESDAY 22 SEP 2003

Signature of License Representative:

WATER RIGHTS PROGRAM

Signature of Well Owner or Equitable Property Holder:

Public Works Dir.

Date: 9-18-03

RECEIVED



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

June 19, 2009

2475-2
2519-2

John Wagner, Water Supt
City of Rapid City
300 6th St
Rapid City SD 57701

Dear Mr. Wagner:

I am writing to acknowledge receipt of the "Notice of Completion of Works" form that you sent in to let us know City Well #12 as authorized by Water Permit Nos. 2475-2 and 2519-2 has been completed and water put to beneficial use.

Inspections are done on a county-by-county basis as staff time permits. You have done everything you need to do and the intervening time between the completion of the project and the staff inspection has no bearing on the water permits.

Someone from our office will contact you prior to the inspection to set up a time that is convenient for you. If you have any questions, please contact me.

Sincerely,

Genny McMath
Environmental Scientist
Water Rights Program
(605) 773-3352
email: genny.mcmath@state.sd.us

RECEIVED

JUN 19 2009

WATER RIGHTS
PROGRAM**NOTICE OF COMPLETION OF WORKS AND
APPLICATION OF WATER TO BENEFICIAL USE**Date June 17, 2009

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

FROM: City of Rapid City
(name)

300 6th Street
(address)

Rapid City, SD 57701
(address)

605-394-4162
(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. 2475-2* and 2519-2* states that the water use system is to be constructed by March 13, 2007 and May 17, 2009 , and water is to be put to beneficial use by March 13, 2011
(date) (date)
and May 17, 2013 .

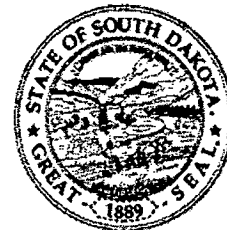
The water use system was completed on June 4, 2009 .
(date)

Applying the water to beneficial use was completed on June 4, 2009 .
(date)

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

John Wagner
John Wagner, Water Dept. Supt.

*Both permits pertain to Rapid City Well 12.





DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

APR 28 2010

2475-2
2519-2

John Wagner, Water Supt
City of Rapid City
300 6th St
Rapid City SD 57701

Dear Mr. Wagner:

Enclosed is Water License No. 2519-2. This is the final water right document completing your process of obtaining a Water Right. Included with your license is a map prepared by the staff engineer who conducted the field investigation.

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. 2519-2, 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

Note: The applicable portions of Water Permit No. 2475-2 have been incorporated into Water License No. 2519-2.