

WATER PERMIT NO. 7648-3

Name of Applicant: Par Mar Valley Country Club Inc.

Address: Box 354, Parker SD 57053 Phone: 605 940 2316

Amount of Water Claimed: 0.89 Total Acres: 50 acres

Source of Water Supply: 1 well & existing dugout

Water to be used for: irrigation County: Turner

Type of Waste Disposal System:

Location: 2 miles west of Marion

PRIORITY Date Received: 1-17-13 Application/License Fee: \$ 700

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

Remarks: Requesting div rate greater than statutory limit.

Diversion Point: NW 1/4 SW 1/4 Sec 12-T99N-
R54W

Land to be Irrigated: W 1/2 SW 1/4 Sec 12-T99N-
R54W

Depth of Well: 35 feet deep

Well Driller:

Remarks:

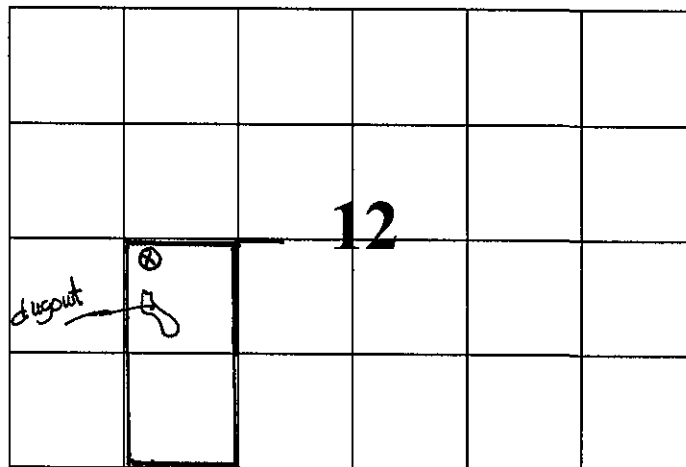
Type of Map: aerial

Prepared by:

Reviewed and the Number Assigned on: 1-17-13

By: Karen Schlaak

Notice of Hearing - date to intervene: _____



FORM 2: Application for irrigation in South Dakota
(type or print)

Mail to: PMB 2020 DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	(office use only)	
	No. <u>7648-3</u>	Hydrologic Unit <u>10170102</u>
	Basin <u>Vermillion River</u>	<u>605-297-4419</u>
	Newspaper <u>New Era Box 579 Parker 57053</u>	<u>Argus Leader Box 5034 S Falls 57117 605-331-2200</u>

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JAN 17 2013

WATER RIGHTS
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Application For Permit To Appropriate Water For Irrigation

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

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

605.297.4819

 1. Name of Applicant PAR MAR VALLEY COUNTRY CLUB INC Phone 605.940.2316 Jim Vogel
 (check one) ☒ Owner ☐ Tenant/lessee
 Mailing Address BOX 354 PARKER SD 57053
 (Address) (City) (State) (Zip Code)

 2. Amount of water claimed 0.89 CFS or 400 **GPM ***AF Total Acreage 50
 (*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)
3. Source of water supply WELL4. Location of point of diversion (example - 3 wells in SW 1/4 NE 1/4 section 12-T104N-R53W) County TURNERONE (1) WELL IN: NW 1/4 SW 1/4 LESS H-2 12-099-545. County or counties where water will be used TURNER SECTION 12 - T99N - R54W6. Annual period during which water is to be used APRIL THRU OCTOBER
 7. List below each forty acre division, or lot, or fraction thereof and show number of acres to be irrigated in each.
 (Attach sheet if more space is needed)

Land Description	Acres	Land Description	Acres
TRACT 1 OF PAR MAR VALLEY	50		
COUNTRY CLUB ADDITION			
<u>W 1/2 SW 1/4 Sec 12 - T99N-R54W</u>			

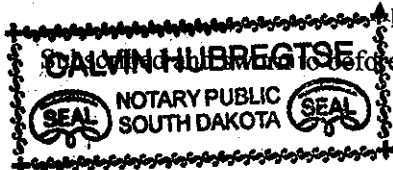
8. Give a description of the project. (Attach sheet if more space is needed)

IRRIGATION WELL TO REPLACE 2 EXISTING WELLS AND TO SUPPLEMENT EXISTING DUGOUT

Requesting diversion rate greater than statutory limit

STATE OF SOUTH DAKOTA)
County of TURNER)

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

I, JAMES M VOGEL, 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 James M Vogel
I hereby certify to before me this 15th day of January 2013
Calvin H. Hubregtse
 Notary Public signature

SOUTH DAKOTA
WATER PERMIT NO. 7648-3

Date of first receipt of application January 17, 2013.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 7648-3 to Par Mar Valley Country Club Inc., c/o James M Vogel, Box 354, Parker SD 57053 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. 7648-3 appropriates 0.89 cubic feet of water per second (cfs) from one well to be completed into the Vermillion West Fork Aquifer (35 feet deep) located in the NW 1/4 SW 1/4 Section 12 for irrigation of 50 acres located in the W 1/2 SW 1/4 (Tract 1 of Par Mar Valley Country Club Addition) Section 12; all in T99N-R54W. Water will also be diverted from the well to an existing dugout located in the NW 1/4 SW 1/4 Section 12-T99N-R54W prior to irrigating the golf course.
2. The amount of the appropriation may not exceed 2 acre feet annually for each acre of land to which water is actually and beneficially applied for irrigation. The water is to be used during the following described annual period: April 1 – October 31.
3. The date from which applicant may claim right is January 17, 2013 (0.78 cfs – 43 acres) and July 12, 1976 (0.11 cfs – 7 acres of green & tee boxes).
4. The date of approval of Permit No. 7648-3 is April 8, 2013.
5. One-fifth of the construction is to be completed on or before October 8, 2015.
6. All construction is to be completed on or before April 8, 2018.
7. Water is to be put to beneficial use on or before April 8, 2022.
8. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

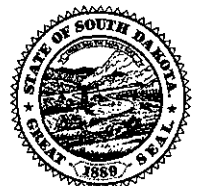
1. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The well authorized by Permit No. 7648-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
3. Pursuant to SDCL 46-5-6 which allows a greater diversion rate if the method of irrigation, time constraints, or type of soils so requires, Permit No. 7648-3 authorizes a maximum diversion rate of 0.89 cfs for the irrigation of 50 acres with an annual volume not to exceed 2 acre feet of water per acre per year.
4. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.
5. The applicable portions of Water Right No. 2849-3 are incorporated into Water Permit No. 7648-3 with the priority date of July 12, 1976 retained. The two wells authorized by Water Right No. 2849-3 that are being replaced shall be plugged in accordance with Water Management Board Rules, Chapter 74:02:04.

WATER MANAGEMENT BOARD

By: 
Jeanne Goodman, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

MAY 20 2013

date



Supplemental Information

(type or print in ink)

1. Well Information - Proposed Construction

- a) Drill Hole Diameter 20 INCH Depth 35 FEET
- b) Casing Type STAINLESS STEEL Diameter 12 INCH Thickness 3/8 INCH
- c) Screen Type STAINLESS STEEL Diameter 12 INCH Thickness 3/16 INCH
- d) Gravel Pack NORTHERN GRAVEL Length of Gravel Pack 15 FEET JOHNSON SCREEN
PACK
- e) Depth to Top of Water Bearing Material 12 FEET
- f) Depth to Water (ground surface to water level) 12 FEET
- g) Distance to nearest existing domestic well:
On applicant's property _____ On property owned by others 400 FEET

2. Wastewater Disposal System Information

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

3. Dugout Information

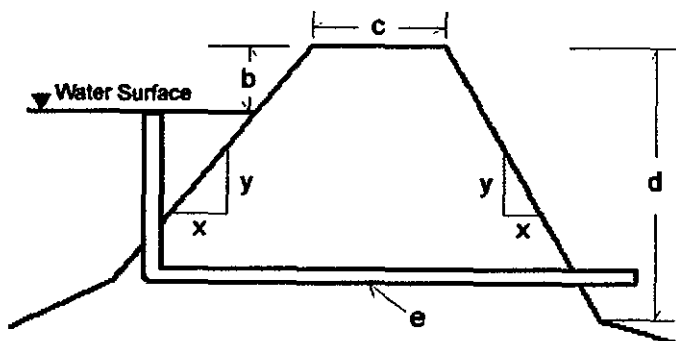
- a) Surface Dimensions _____ Depth _____
- b) Depth to water (ground surface to water level) _____

4. Water Storage Dams

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

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

- b) Freeboard _____
- c) Crest Width _____
Crest Length _____
- d) Height _____
- e) Primary Outlet Capacity _____
If pipe, diameter _____
- f) Secondary Spillway Capacity _____
Spillway Width _____
- g) X & Y Slope (e.g. 3 to 1 is a typical slope)
Upstream _____
Downstream _____
- h) Surface Area of Impoundment _____
- i) Storage _____ Acre Feet
- j) Drainage Area Above Dam _____ Acres



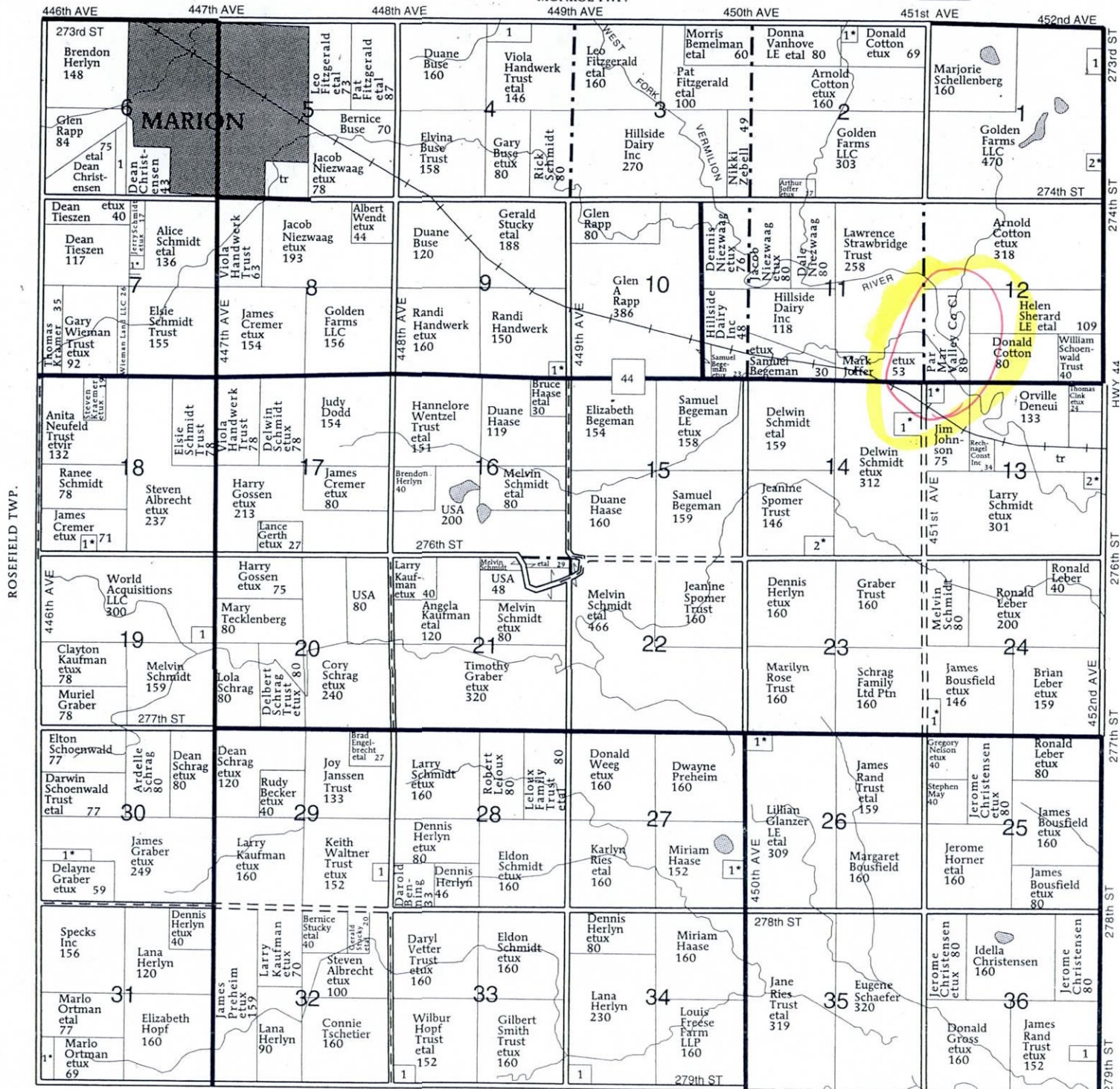
T-99-N

MARION PLAT

(Landowners)

MONROE TWP.

R-54-W



MARION TOWNSHIP

SECTION 1

1. Varns, Jared 8
2. Joffer, Charles 6

SECTION 2

1. Peterson, Glenn 7

SECTION 4

1. Handwerk, Randi 14

SECTION 6

1. Wieman Land LLC 10

SECTION 7

1. Schmidt, David 5

SECTION 13

1. Smith, Troy 8
2. Nehring, David 9

SECTION 14

1. Rand, Jonathan 12

2. Sturzenbecker, Rudy 14

SECTION 18

1. Johnson, Mark 7

SECTION 19

1. Bond, Sharon 15

SECTION 24

1. Rannay, Jason 10

SECTION 27

1. Sherard, Bart 8

SECTION 29

1. Nelson, John 8

SECTION 30

1. Eidsvold, Corey 9

SECTION 31

1. Heyer, Raymond 8

SECTION 33

1. Smith, Edwin 8

SECTION 34

1. Thomas, Patricia 10

NORWAY TWP.

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bing Maps

My Notes

PAR MAR VALLEY COUNTRY CLUB
PARKER SD

SECTION 12 T-99-N R-54-W

On the go? Use m.bing.com to find maps,
directions, businesses, and more

Bird's eye view maps can't be printed, so another map view has been substituted.

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Parman Valley Country Club Inc
SECTION 12
T-99-N
R-54-W

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WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 1/17, 20 13

RECEIVED OF Par Mar Valley Country Club PO Box 354 Parker SD 57053

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

Fee for Application for Permit No. <u>7648-3</u> to Appropriate Water, to construct and to put water to beneficial use	500	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>7648-3</u>	200	00
Fee for Filing Transfer Form _____		
Fee for _____		
Fee for Issuing New Well Driller's License No. _____ for C.Y. _____		
Fee for Renewal of Well Driller's License No. _____ for C.Y. _____		
Fee for Issuing Well Pump Installer's License No. _____ for C.Y. _____		
Fee for Renewal of Well Pump Installer's License No. _____ for C.Y. _____		
(Any Other Work Provided by Law)		
TOTAL	700	00

No. 05976

By [Signature]
Chief Engineer



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
PMB 2020
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
<http://denr.sd.gov>

September 25, 2012

No. 2849-3

Dawn Berens
PO Box 231
Parker SD 57053

Dear Ms. Berens:

I am writing in response to our phone conversation on September 25, 2012 regarding the status of Water Right No. 2849-3 held by the Par Mar Country Club. A copy of the entire water right file can be viewed online at: http://denr.sd.gov/wrimage/wrinfo/wr_div3/2849-3.pdf

The permit was issued in 1976 for 1.00 cubic feet of water per second (cfs) [450 gpm] to irrigate 70 acres from 2 wells. An inspection completed in 1980 found that 2 wells had been developed at a depth of approximately 40 feet and were pumping 0.11 cfs (50 gpm) to irrigate 7 acres of greens and tee boxes. As a result, the water license was issued accordingly on July 7, 1980 (copy enclosed). I reviewed some of the older irrigation questionnaires returned by the golf course each year and found that the dugout currently used by the golf course was dug around 1984. I have enclosed a copy of the 1984 irrigation questionnaire making reference to use of the reservoir.

I understand from our phone conversation that the golf course may be considering going back to use of a well or wells to irrigate the golf course. The question posed is, "What is the status of Water Right No. 2849-3 since the wells have not been used for a number of years?" If it were to be determined that the dugout being used constituted the same water source as your permitted wells, then Water Right No. 2849-3 allows irrigation of 7 acres with a pump rate of 50 gpm. If the dugout is not considered the same water source as the 40 feet deep wells, then Water Right No. 2849-3 may have been forfeited due to nonuse of water. According to South Dakota Codified Law 46-5-37 water that is not placed to use for a period of three years reverts to the public. If the wells were not used once use of the dugout began in 1984, then forfeiture of the water right may have occurred.

My further understanding from our conversation is that the number of acres being irrigated and the pump rate both need to be increased beyond the 50 gpm and 7 acres covered by No. 2849-3. If that is so, a new permit is needed regardless of the status of No. 2849-3. My suggestion to the country club is to apply for the entire number of acres and gallons per minute needed and ask that the amount covered by No. 2849-3 be credited to the new application if it is determined that your proposed new well or wells and existing dugout constitute the same ground water source.

Please contact me if you have any questions. I can be reached at (605) 773-3352.

Sincerely,

Ron Duvall
Water Rights Program

enclosures



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT APPLICATION
NO. 7648-3, Par Mar Valley Country Club Inc**

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Program, Department of Environment and Natural Resources concerning Water Permit Application No. 7648-3, Par Mar Valley Country Club Inc, c/o James M Vogel, Box 354, Parker SD 57053.

The Chief Engineer is recommending APPROVAL of Application No. 7648-3 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion can be developed without unlawful impairment of existing rights, 3) the proposed use is a beneficial use and 4) it is in the public interest with the following qualifications:

1. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The well authorized by Permit No. 76⁴88-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
3. Pursuant to SDCL 46-5-6 which allows a greater diversion rate if the method of irrigation, time constraints, or type of soils so requires, Permit No. 7648-3 authorizes a maximum diversion rate of 0.89 cfs for the irrigation of 50 acres with an annual volume not to exceed 2 acre feet of water per acre per year.
4. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.
5. The application portion of Water Right No. 2849-3 is incorporated into Water Permit No. 7648-3 with the priority date of July 12, 1976 retained. The two wells authorized by Water Right No. 2849-3 that are being replaced shall be plugged in accordance with Water Management Board Rules, Chapter 74:02:04.

See report on application for additional information.

Garland Erbele, Chief Engineer
March 14, 2013

**REPORT TO THE CHIEF ENGINEER
ON
WATER PERMIT APPLICATION NO. 7648-3
PAR MAR VALLEY COUNTRY CLUB INC.
March 8, 2013**

Water Permit Application No. 7648-3 proposes to appropriate water from one well to be completed into the Vermillion West Fork aquifer at a maximum diversion rate of 0.89 cubic feet of water per second (cfs). The well will be located in the NW ¼ SW ¼ of Section 12, in T99N-R54W and will be approximately 35 feet deep. This application proposes to irrigate 50 acres located in the W ½ SW ¼ (Tract 1 of Par Mar Valley Country Club Addition) of Section 12, in T99N-R54W in Turner County. Water will also be diverted from the well to an existing dugout authorized by Water Right No. 2849-3, located in the NW ¼ SW ¼ of Section 12, in T99N-R54W prior to irrigating the golf course. The applicant is requesting a diversion rate greater than the statutory limit.

AQUIFER: Vermillion West Fork aquifer (VWF)

GEOLOGY AND AQUIFER CHARACTERISTICS:

The Vermillion West Fork aquifer is a surficial, glacial aquifer composed of fine sand to coarse gravel (Lindgren, 1990). The aquifer is at or near land surface and predominantly under water-table conditions (Lindgren, 1990). The aquifer is hydraulically connected to the Vermillion East Fork and Parker-Centerville aquifers as well as the East Fork and West Fork of the Vermillion River (Lindgren, 1990). The aquifer is unconfined in the area of this application. The proposed well site is located in northern Turner County along the west side of the West Fork of the Vermillion River. The existing dugout authorized by Water Right No. 2849-3 is also located in the Vermillion West Fork aquifer. The Vermillion West Fork aquifer encompasses regions of McCook, Miner and Turner Counties. The aquifer underlies approximately 6,800 acres, and contains an estimated 10,200 acre-feet of recoverable water in storage (Hedges and others, 1982). Lindgren estimated that the aquifer underlies approximately 18 square miles (11,520 acres) (1990). There was not a test hole log submitted with this application, but nearby well sites report an average saturated thickness of approximately 15 feet as shown in Table 1 (Water Rights, 2013a).

Well Log Identification	Saturated Thickness (ft)
Lithologic Log at 099N53W07CBCC	15
Lithologic Log at 099N54W11BBAB	16
Well Log for Water Permit No. 2849-3	15
Well Log for Water Permit No. 4562-3	13
Second Well Log for Water Permit No. 4562-3	15

Table 1. Reported saturated thickness for nearby wells (Water Rights, 2013a).

SDCL 46-2A-9

In accordance with SDCL 46-2A-9, a permit may be issued to appropriate water only if there is reasonable probability that there is unappropriated water available for the applicant's proposed use, that the proposed diversion can be developed without unlawful impairment of existing rights and that the proposed use is a beneficial use and in the public interest. This report will review

the availability of unappropriated water and existing rights within the Vermillion West Fork aquifer.

WATER AVAILABILITY:

This application proposes to appropriate water from the Vermillion West Fork aquifer. If this application is approved, it is likely that the actual water use will be less than 100 acre-feet per year (ac-ft/yr). The probability of unappropriated water available from the aquifer can be evaluated using SDCL 46-6-3.1 which requires "No application to appropriate groundwater may be approved if, according to the best information reasonably available, it is probable that the quantity of water withdrawn annually from a groundwater source will exceed the quantity of the average estimated annual recharge of water to the groundwater source."

Recharge versus Discharge:

Recharge:

Recharge to the Vermillion West Fork aquifer occurs through direct infiltration and precipitation in the West Fork Vermillion River flood plain where the aquifer is near land surface (Lindgren, 1990). The average annual recharge rate to the Vermillion West Fork aquifer is estimated to be medium in the range of 2.0 to 5.6 in/yr based on observation well analysis (Hedges and others, 1985). The neighboring Parker-Centerville aquifer exhibits similar characteristics to the Vermillion West Fork aquifer and has an annual recharge rate of 4.9 in/yr. Given the area of the aquifer of 11,520 acres by Lindgren, and using the Parker-Centerville recharge rate, the average annual recharge to the Vermillion West fork aquifer is estimated to be 4,704 ac-ft/yr (1990). This is a reasonable estimate for recharge to the Vermillion West Fork aquifer.

Discharge:

Discharge from the Vermillion West Fork aquifer is by evapotranspiration, discharge to the Parker-Centerville aquifer and West Fork Vermillion River, and withdrawal from wells (Lindgren, 1990). There are a number of completion reports on file with the SD DENR-Water Rights Program for domestic use wells completed into the Vermillion West Fork aquifer (Water Rights, 2013b) and there are currently 16 water rights/permits appropriating water from the Vermillion West Fork aquifer (Water Rights, 2013c). In addition, there is one future use permit reserving water from the aquifer. All of the water rights/permits, including the one for future use, are from Turner County (Water Rights, 2013c). The City of Parker has a water right and future use permit for municipal purposes, and the rest of the water rights/permits for the Vermillion West Fork aquifer are for irrigation purposes.

The amount of water that can be expected to be withdrawn through water rights/permits authorizing water use for non-irrigation purposes at the current appropriation level can be estimated by assuming:

1. Water rights/permits limited by an annual volume will pump the entire volume appropriated.
2. Water rights/permits limited only by diversion rate will pump at the maximum permitted diversion rate 60 percent of the time.
3. Future use permits can be fully developed.

The expected water use for non-irrigation purposes, including that reserved for future use, from the Vermillion West Fork aquifer is less than 2,433 ac-ft/yr based on current water appropriations.

The annual reported water use from the Vermillion West Fork aquifer for irrigation purposes is displayed in Table 2. The average annual use due to irrigation over the period of record is 280 ac-ft/yr.

YEAR	NO. OF PERMITS	APPROPRIATION (AC-FT/YR)	PUMPAGE REPORTED (AC-FT/YR)
2011	10	2489	811.38
2010	10	2489	29.91
2009	8	1569	376.4
2008	8	1569	558.21
2007	8	1569	484.39
2006	8	1569	511.26
2005	8	1569	441.76
2004	8	1577	478.93
2003	7	1297	491.62
2002	7	1297	348.84
2001	7	1297	365.37
2000	7	1297	388.69
1999	7	1297	312.08
1998	7	1297	288.51
1997	7	1297	825
1996	8	2017	471.36
1995	6	1679	315.58
1994	3	565	139.35
1993	3	565	12.4
1992	3	617	19
1991	3	617	175
1990	3	617	142
1989	3	617	169
1988	3	617	196.9
1987	3	617	154.1
1986	3	1659	126
1985	3	617	107
1984	3	617	48
1983	3	617	57
1982	3	617	121.23
1981	3	617	103.4
1980	2	417	102.04
1979	2	417	68.06
MIN	2	417	12.4
MAX	10	2489	825
AVE	5.36	1138.94	279.99

Table 2. Irrigation from the Vermillion West Fork aquifer (Water Rights, 1979-2011).

Comparison of the estimated average annual withdrawal from the Vermillion West Fork aquifer with the estimated average annual recharge for the aquifer indicate that the average annual withdrawals from the aquifer do not exceed the average annual recharge to the aquifer.

Therefore, unappropriated water is available from the Vermillion West Fork aquifer. Specifically, unappropriated water is available for the appropriation proposed by this application.

Observation Well Data:

Administrative Rule of South Dakota Section 74:02:05:07 requires that “the Water Management Board shall rely upon the record of observation well measurements to determine that the quantity of water withdrawn annually from the aquifer does not exceed the estimated average annual recharge to the aquifer”.

The SD DENR-Water Rights Program monitors one observation well completed into the Vermillion West Fork aquifer. This observation well is located approximately four miles from the proposed well site (Water Rights, 2013b). A hydrograph for this well is shown in Figure 1.

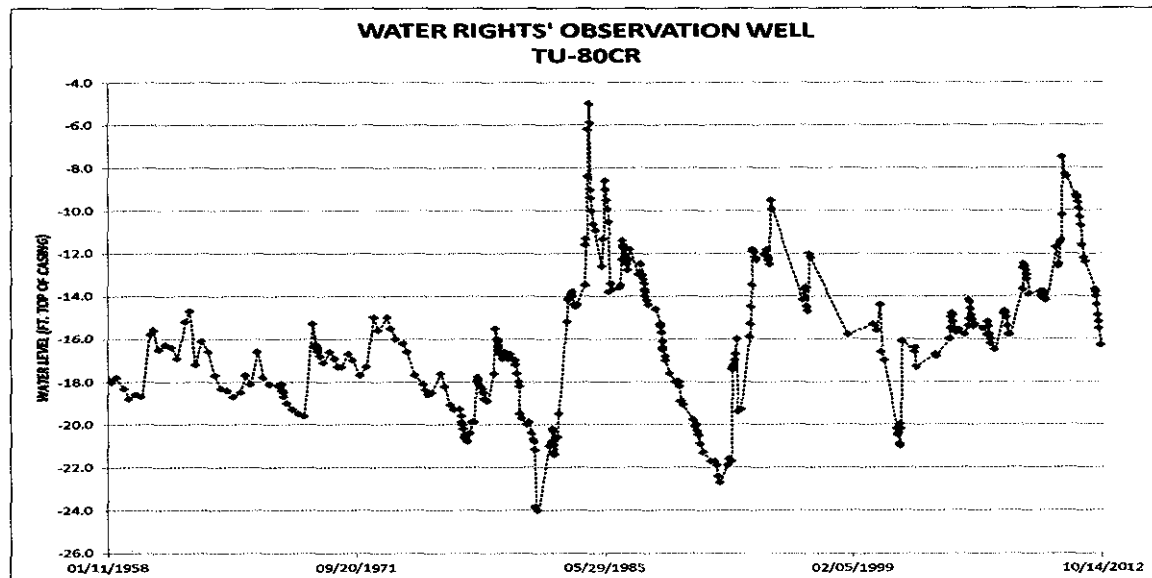


Figure 1. Hydrograph for SD DENR-Water Rights' Observation Well TU-80CR completed into the Vermillion West Fork aquifer approximately four quarter miles southeast of the well site proposed by Application No. 7648-3 (Water Rights, 2013a).

The observation well data shows the aquifer responds well to climatic conditions with rising water levels during wet years and gradually declining water levels during dry years. The water level data shows that over the period of record, in general, discharge has not exceeded recharge. The observation well data shows that at the current level of development, climatic conditions greatly mask the temporal effects of well withdrawals. Therefore, recharge to and natural discharge from the Vermillion West Fork aquifer significantly exceeds pumping. Recognizing that natural discharge from the aquifer can be captured for pumping. The hydrograph documents that there is unappropriated water available from the aquifer to support this appropriation.

EXISTING WATER RIGHTS:

The proposed well site is located in northern Turner County along the west side of the West Fork of the Vermillion River. The nearest water right/permit is Water Permit No. 4562-3, for Lawrence R Strawbridge Living Trust, located more than 650 feet west and up-gradient of the proposed well site. Based on the observation well data and the distance between wells,

drawdown is not expected to be significant nor likely to cause adverse impacts to existing water rights or domestic wells.

Observation well TU-80CR is located within 800 feet of Water Right No. 4797-3, for the City of Parker, and the hydrograph, shown in Figure 1, reports minimal drawdown at this distance due to pumping. Figure 2 shows the nearby existing water rights located in the Vermillion West Fork aquifer. The locations of the existing water rights/permits were determined using the best data reasonably available.

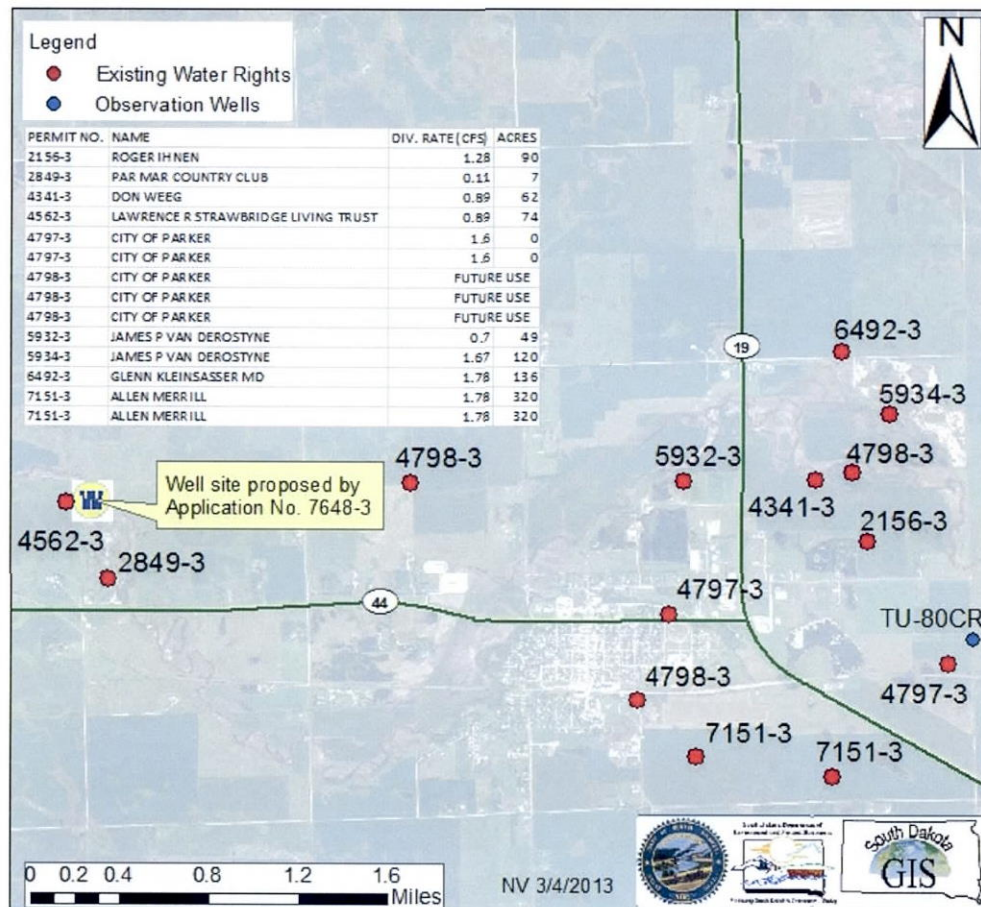


Figure 2. Existing water rights/permits located within close proximity to the well site proposed by Application No. 7648-3 (Water Rights, 2013c).

SDCL 46-5-6

Pursuant to SDCL 46-5-6, the diversion rate for an irrigation appropriation cannot be in excess of one cubic foot of water per second for every seventy acres, or “the equivalent thereof”. The statute provides that the Water Management Board may allow a greater diversion if the method of irrigation so requires. Water Permit Application No. 7648-3 proposes to divert at a rate of 1.25 cfs per 70 acres to an existing dugout and to irrigate a golf course.

Water Rights, 2013b, Water Well Completion Reports, SD DENR-Water Rights Program, Joe Foss Bldg, Pierre, SD.

Water Rights, 2013c, Water Right/Permit Files, SD DENR-Water Rights Program, Joe Foss Bldg, Pierre, SD.

CONCLUSIONS:

1. This application proposes to appropriate water for irrigation from the Vermillion West Fork aquifer.
2. There is a reasonable probability that unappropriated water is available from the Vermillion West Fork aquifer to supply this proposed appropriation.
3. The Vermillion West Fork aquifer is unconfined in this area, and drawdown from pumping is not expected to be significant very far from a production well.
4. There is a reasonable probability that the well proposed by this application will not adversely impact existing water rights or domestic wells.



Nicole Van Dyk
SD DENR-Water Rights Program

Approved by



Ken Buhler
SD DENR-Water Rights Program

REFERENCES:

- Hedges, L.S., Burch, S.L., Iles, D.L., Barari, R.A., Schoon, R.A., 1982, Evaluation of Ground-Water Resources Eastern South Dakota and Upper Big Sioux River, South Dakota and Iowa, Task 1: Bedrock Topography and Distribution, Task 2: Extent of Aquifers, Task 3: Ground-Water Storage, Task 4: Computerized Data Base, Final Report; U.S. Army Corps of Engineers Contract DACW 45-80-C-0185
- Hedges, L.S., Allen, J., Holly D.E., 1985, Evaluation of Ground-Water Resources Eastern South Dakota and Upper Big Sioux River, South Dakota and Iowa, Task 7: Ground Water Recharge; U.S. Army Corps of Engineers Contract DACW 45-80-C-0185
- Lindgren, R.J., D.S. Hansen, 1990, Water Resources of Hutchinson and Turner Counties, South Dakota: U.S. Geological Survey Water-Resources Investigations Report 90-4093, 100 p.
- Water Rights, 1979-2011, Irrigation Questionnaire Summaries 1979-2011, SD DENR-Water Rights Program, Joe Foss Bldg, Pierre, SD.
- Water Rights, 2013a, Observation Well Files, SD DENR-Water Rights Program, Joe Foss Bldg, Pierre, SD.

RECEIVED

APR 25 2013

WATER RIGHTS
PROGRAM

Affidavit of Publication

STATE OF SOUTH DAKOTA
COUNTY OF TURNER

I, Robin Schneider of the City of Parker, County of Turner, State of South Dakota being first duly sworn on oath, deposes and says: The New Era is a weekly legal newspaper of general circulation, printed and published in the City of Parker, in said County of Turner, by The New Era, New Century Press, publishers, and has been such legal newspaper during the times hereinafter mentioned; that the said newspaper has been in existence as such legal newspaper for more than one year prior to the publication of the notice hereunto attached, and has during all of said publication of the notice hereunto attached, and has during all of said time had, and now has, more than 200 bona fide subscribers; that the undersigned, The affiant, is the Office Manager of the said newspaper, in charge of the advertisement department thereof and has personal knowledge of all the facts stated in this affidavit and the advertisement headed:

#5594 Notice of Application No. 7648-3 to Appropriate Water

_____ printed copy of hereto attached, is printed and published in the said newspaper for one successive weeks, one each week and on the same day of the week, on the following dates, to wit:

On Thursday, the 28th day of March, 2013

That \$26.48 being the full amount of the fees for publication of the attached notices insures solely for the benefits of the publishers of the said newspaper, that no arrangement or understanding for a division thereof has been made with any other person and that no part thereof has been agreed to be paid to any other person whomsoever.

Robin Schneider

Subscribed and sworn to before me this _____

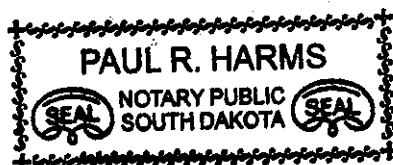
Day of _____

Paul R Harms
Notary Public, Turner County, South Dakota

My Commission Expires: March 20, 2018

See attached

Publication Fee \$
Notary Fees \$
Total \$26.48



**NOTICE OF APPLICATION NO.
7648-3**

to Appropriate Water

Notice is given that Par Mar Valley Country Club Inc, c/o James M Vogel, Box 354, Parker SD 57053 has filed an application for a water permit to appropriate 0.89 cubic feet of water per second from one well to be completed into the Vermillion West Fork Aquifer (35 feet deep) located in the NW 1/4 SW 1/4 Section 12 for irrigation of 50 acres located in the W 1/2 SW 1/4 (Tract 1 of Par Mar Valley Country Club Addition) Section 12; all in T99N-R54W. Water will also be diverted from the well to an existing dugout located in the NW 1/4 SW 1/4 Section 12-T99N-R54W prior to irrigating the golf course. The applicant is requesting a diversion rate greater than the statutory limit.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7648-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the Chief Engineer will act on this 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 this 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 April 8, 2013.

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.

Published once at the total approximate cost of \$26.48.

(#5594, 03/28/13)

CUSTOMER NUMBER:	078200	Argus Leader P.O. Box 677349, Dallas, TX 75267-7349	
AD ORDER NUMBER:	1410419		
	3/28, 2013		\$68.87PD

Par Mar Valley Country Club
% James M Vogel
PO Box 354
Parker, SD 57053

RECEIVED
APR - 1 2013

WATER RIGHTS PROGRAM

DETACH THIS STUB AND RETURN WITH PAYMENT

AFFIDAVIT OF PUBLICATION-

Customer Number: 078200
Invoice Number: 1410419

Argus Leader
AFFIDAVIT OF PUBLICATION

STATE OF SOUTH DAKOTA

COUNTY OF MINNEHAHA } ss

Linda Schulte being duly sworn, says: That The Argus Leader is, and during all the times hereinafter mentioned was, a daily legal newspaper as defined by SDCL 17-2-21, as amended published at Sioux Falls, Minnehaha County, South Dakota; that affiant is and during all of said times, was an employee of the publisher of such newspaper and has personal knowledge of the facts stated in this affidavit; that the notice, order or advertisement, a printed copy of which is hereto attached, was published in said newspaper upon

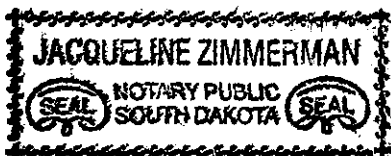
Thursday the 28 day of March 2013 ,
the day of 2013 ,
the day of 2013 ,
the day of 2013 ,
the day of 2013 ,
the day of 2013 ,
the day of 2013 ,

and that \$68.87PD was charged for publishing the same

Linda Schulte
Subscribed and sworn to before me 3/28/2013

J. Zimmerman
Notary Public, South Dakota

My Commission expires December 22, 2015



NOTICE OF APPLICATION
NO. 7648-3 to Appropriate Water

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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.

Published once at the total approximate cost of \$68.87.
1410419 Mar. 28, 2013



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

March 18, 2013

New Era
PO Box 579
Parker SD 57053

ATTENTION: Legal Public Notice

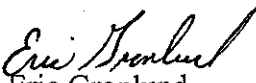
Enclosed is a Notice on Application No. 7648-3 to Appropriate Water. Please publish the notice once on March 28, 2013. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352.

The applicant must verify to you that the notice is to be published and arrange for payment. **Please BILL the APPLICANT for the cost of publication.** The APPLICANT is Par Mar Valley Country Club, c/o James M Vogel, PO Box 354, Parker SD 57053 (Ph # 605-940-2316).

Please send the Water Rights Program an affidavit or the enclosed Proof of Publication form immediately.

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



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

March 18, 2013

Argus Leader
PO Box 5034
Sioux Falls SD 57117

ATTENTION: Legal Public Notice

Enclosed is a Notice on Application No. 7648-3 to Appropriate Water. Please publish the notice once on March 28, 2013. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352.

The applicant must verify to you that the notice is to be published and arrange for payment. **Please BILL the APPLICANT for the cost of publication.** The APPLICANT is Par Mar Valley Country Club, c/o James M Vogel, PO Box 354, Parker SD 57053 (Ph # 605-940-2316).

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Sincerely,

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

NOTE: TO BE SURE OF PUBLICATION ON
THE CORRECT DATE, CONTACT
THE NEWSPAPER(S) RIGHT AWAY.

March 18, 2013

Par Mar Valley Country Club
James M Vogel
PO Box 354
Parker SD 57053

Dear Mr. Vogel:

Water Permit Application No. 7648-3 for irrigation use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice has been sent to the New Era printed at Parker SD (Ph # 605-297-4419) and the Argus Leader printed at Sioux Falls SD (Ph # 605-331-2200). You will need to contact the newspaper(s) and authorize publication of this notice. For your information, a copy of the notice, the recommendation of the Chief Engineer and 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(s) to authorize publication of your Notice and to arrange for payment. Early contact with the paper(s) can eliminate delays. Upon receiving authorization from you, the publisher has been instructed to publish your notice. The newspaper has also been instructed to send us the Proof of Publication. We must receive Proof of Publication before action can be taken on the application.

Sincerely,


Eric Gronlund
Natural Resources Engineer
(605) 773-3352

enclosures

NOTE: If you plan to contest any part of the Chief Engineer's recommendation, you must file a petition pursuant to the procedures outlined in the attached notice of hearing. The Water Management Board will then consider your concerns during a hearing on the application.

Instruction to Newspaper - Publish the Notice on March 28, 2013. The applicant is responsible for payment. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352 or email: Karen.schlaak@state.sd.us.

NOTICE OF APPLICATION NO. 7648-3 to Appropriate Water

Notice is given that Par Mar Valley Country Club Inc, c/o James M Vogel, Box 354, Parker SD 57053 has filed an application for a water permit to appropriate 0.89 cubic feet of water per second from one well to be completed into the Vermillion West Fork Aquifer (35 feet deep) located in the NW 1/4 SW 1/4 Section 12 for irrigation of 50 acres located in the W 1/2 SW 1/4 (Tract 1 of Par Mar Valley Country Club Addition) Section 12; all in T99N-R54W. Water will also be diverted from the well to an existing dugout located in the NW 1/4 SW 1/4 Section 12-T99N-R54W prior to irrigating the golf course. The applicant is requesting a diversion rate greater than the statutory limit.

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Published once at the total approximate cost of _____.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

MAY 20 2013

Par Mar Valley Country Club Inc
James M Vogel
PO Box 345
Parker SD 57053

Dear Mr. Vogel:

Enclosed is Water Permit No. 7648-3 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

Form 10, *Notice of Completion of Works and Application of Water to Beneficial Use*, is enclosed. Please return this completed form after you have finished the system and have put the water to beneficial use. An investigation can then be scheduled so the water license may be issued, thus completing the acquisition of a water right. One-fifth of the construction is to be completed on or before October 8, 2015.

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,

Jeanne Goodman, Chief Engineer
Water Rights Program
(605) 773-3352

enclosures

SOUTH DAKOTA WATER WELL COMPLETION REPORT

7648-3

07-92

Location NW 1/4 SW 1/4 Sec 12 Twp 99-N Rg 54-W

County Tioga North

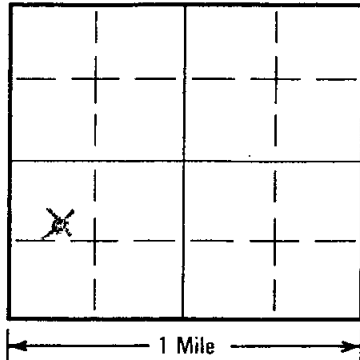
Please mark well location with an "X"

W

E

Well Completion Date

10-3-13



LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? 300 ft. from River (identify source).

PROPOSED USE:

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

METHOD OF DRILLING:

Bucket - Fabe Casing

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>20</u> LB/FT	<u>14</u> IN	<u>+2</u> FT	<u>24</u> FT	<u>20</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
<u>Bentonite</u>	<u>2</u>	_____ lb./gal	<u>6</u> ft.	<u>7</u> ft.
<u>Cement</u>	_____	_____ lb./gal	<u>10</u> ft.	<u>6</u> ft.

Describe grouting procedure _____

SCREEN: ☐ Perforated pipe ☒ Manufactured

Diameter 14 IN Length 8 FEET

Material PVC C 160

Slot Size 100 Set From 24 Feet to 32 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: _____

_____ NO, Why Not? _____

Laboratory sent to for water quality analysis _____

Chlorine in Park

Well Owner: _____

Business Name: PARMAR Golf Course

Address: 45112 SP Hwy 44 Box 354
Packer, S.Dak. 57053

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
<u>Till</u>	<u>0</u>	<u>8</u>
<u>Coarse</u>	<u>8</u>	<u>12</u>
<u>Mud lens</u>	<u>12</u>	<u>13</u>
<u>Gravel Gravel</u>	<u>13</u>	<u>32</u>

STATIC WATER LEVEL 71 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: Sub w/ Flow meter

☐ Bailed _____

☐ Other _____

Pumping Level Below Land Surface

24' ft. After 1 Hrs. pumped 800 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS

Good Well

RECEIVED

AUG -2 2013

WATER RIGHTS PROGRAM

This well was drilled under license # 111

And this report is true and accurate.

Drilling firm Lacer, Well Drilling, Inc.

Signature of License Representative: _____

Signature of Well Owner or Equitable Property Holder: _____

Date: 7-29-13



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
PMB 2020
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
<http://denr.sd.gov>

October 22, 2013

7648-3

Jim Vogel
Par Mar Valley Country Club
PO Box 354
Parker SD 57053

Dear Mr. Vogel:

Thank you for contacting us with regard to completion of the water use system described in Water Permit No. 7648-3.

Enclosed is the "Notice of Completion of Works" form for you to complete and return to us. Once you have completed the form, return it to us and I will ensure the file is updated with the information and include it with those ready for inspection.

If you have any questions, please give me a call.

Sincerely,

A handwritten signature in cursive script that reads "Genny McMath".

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

enclosure



7648-3

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

January 24, 2014

NOTICE

TO: PAR MAR VALLEY COUNTRY CLUB INC, JAMES M VOGEL, 45412 275TH ST, PARKER,
SD 57053

FROM: Ron Duvall, Natural Resources Engineer
for Garland Erbele, Chief Engineer
Water Rights Program

SUBJECT: Reporting Requirement for 2013 Irrigation Questionnaire(s)

Our records indicate that the 2013 Irrigation Questionnaire(s) has not been submitted for Permit No(s) 7648-3. The request for the Questionnaire was dated October 18, 2013. The Water Management Board has directed that owners of water permits who have not submitted the 2013 Irrigation Questionnaire(s) be given notice of permit violation and a hearing to be held by the Board. The hearing is to determine what action is to be taken for violation of Water Permit No(s) 7648-3 qualification:

"This permit is approved subject to the Irrigation Water Use Questionnaire being submitted each year."

The hearing will be held at **9:00 am, March 6, 2014** in the Floyd Matthew Training Center, Joe Foss Building, 523 E Capitol Avenue, Pierre, SD and will be conducted pursuant to SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to Chapter 1-26. According to SDCL 46-1-12, the Board may suspend a permit for a period of up to one year for the first violation of a permit qualification or up to three years for a second violation, or cancel a permit for a third violation. Following the hearing, the Water Management Board can:

1. Suspend or cancel Permit No(s) 7648-3 in accordance with applicable provisions of SDCL 46-1-12;
2. Postpone any action; or
3. Take no action.

The hearing is an adversary proceeding. The permit owner has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

If the questionnaire(s) is (are) received in this office on/or before **March 3, 2014**, you will no longer be in violation of your permit and your name will be removed from the Board agenda. Enclosed are additional questionnaire(s) for your use. If you have questions or need assistance, please contact Genny McMath at (605) 773-3352 or email at genny.mcmath@state.sd.us. If you prefer, you can complete the questionnaire online at the following link: <http://denr.sd.gov/iq.aspx>

NOTE: Please contact the Water Rights Program, Joe Foss Building, 523 E Capitol, Pierre, SD (605-773-3352) to assure access to the meeting room for the handicapped or to obtain an interpreter for the hearing impaired.

7648-3
RECEIVED

FEB 13 2014

WATER RIGHTS
PROGRAMNOTICE OF COMPLETION OF WORKS AND
APPLICATION OF WATER TO BENEFICIAL USE

MAIL TO: PMB 2020

Date 2-11-2014

DENR - Water Rights Program

523 E Capitol Ave

Pierre, SD 57501-3182

ph. (605) 773-3352

FROM:

Park Mar Valley Country Club

(name)

Box 354 - 45112 SD Hwy 44

(address)

Parker

(city)

SD

(state)

57053

(zip)

605.297.4819

(phone)

605.940.2316 (James m Vigil)
Business Mgr

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. 7648-3 states that the water use system is to be constructed byApril 8, 2018

(date)

, and water is to be put to beneficial use by April 8, 2022

(date)

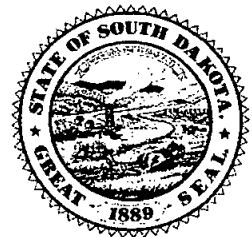
The water use system was completed on 8-31-2013

(date)

Applying the water to beneficial use was completed on 8-31-2013

(date)

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





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

February 18, 2014

7648-3

James M Vogel
Par Mar Valley Country Club
PO Box 354
Parker SD 57053 0354

Dear Mr. Vogel:

I am writing to acknowledge receipt of your 2013 irrigation questionnaire. You may disregard the January 24, 2014, "Notice" concerning reporting requirements for Water Permit No. 7648-3. The information was received in our office prior to the Water Management Board meeting and your name has been deleted from the agenda.

Also received was the "Notice of Completion of Works" form that you sent in to let us know that you are completed with your irrigation system. The system is now ready for inspection. 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 your project and the staff inspection has no bearing on your water permit.

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,

A handwritten signature in cursive script that reads "Genny McMath".

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

Report of Examination of Works and/or Application of Water to Beneficial Use For Permit No. 7648-3

I have this day, October 29, 2024, made a thorough examination of the water use system constructed by Par Mar Valley Country Club Inc, Box 354, Parker, SD 57053 of Permit No. 7648-3, bearing the priority of January 17, 2013 authorizing the diversion of 0.89 cu. ft. per second of the waters of the Vermillion: West Fork Aquifer for irrigation purposes, in Turner County.

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: Lacey Well Drilling
- 2) No. of Wells 1
- 3) Depth(s) 32 feet
- 4) Well log is available Y There are two (2) different but very similar well logs in review materials

Casing:

- 1) Diameter 14 inches
- 2) Length 24 feet
- 3) Type Plastic

Screen:

- 1) Type PVC
- 2) Length 8 feet
- 3) Static water level 7 feet

Pump:

- 1) Make Turbine
- 2) Model Unknown
- 3) Size Unknown
- 4) Capacity 200 GPM

Motor:

- 1) Make Unknown
- 2) Model No. Unknown
- 3) Horsepower rating 30 hp

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

- 1) Type PVC
- 2) Size various inches
- 3) Length various feet

Comments: **xx**

C. Works used to apply water to beneficial use: Buried sprinkler system

Chemigation Equipment:

- 1) Does chemigate N

D. Compliance with Permit Requirements:

- 1) Permit qualifications being abided by Y
- 2) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period Y
- 3) Exceptions to compliance are: None

E. Condition and Location:

1. The system is in good condition with the point(s) of diversion located as follows:
WELL: 2,525 feet N and 257 feet E from the SW corner of Section 12, T99N, R54W, Lat 43.40831
Long -97.18016 (NW 1/4 SW 1/4)
DUGOUT: 2,185 feet N and 155 feet E from the SW corner of Section 12, T99N, R54W, Lat 43.40735
Long -97.18082 (NW 1/4 SW 1/4).
2. The works are capable of diverting and conveying to the place of use 0.45 cu. ft. per second of water which is to be used for irrigation. Water has been put to beneficial use to the maximum extent as follows:

<u>legal description/acreage</u>	<u>legal description/acreage</u>
All land in Sec 12 T99N R54W	
NW 1/4 SW 1/4 - 13	
SW 1/4 SW 1/4 - 16	

comprising a total of 29 acres of land and the license should be issued for 0.45
3. All structures, wells and lands on map Y/N

F. Comments or other permit(s) associated with the project:

FSA maps and the ArcGIS program were used to construct the attached well location and irrigated area map which was used to estimate irrigated acreage.

The flow rate reported on the 2023 Irrigation Questionnaire was used to establish the system flow capacity where James Vogel is listed as the contact person.



Darrell DeBoer, Water Rights Inspector
DANR, Water Rights Program

Date report completed: October 30, 2024

No. 7648-3



0 385 770 1,540 2,310 3,080 Feet

Darrell DeBoer
Water Right Inspector
DANR-Water Rights Program



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**
JOE FOSS BUILDING
523 E. CAPITOL AVE
PIERRE SD 57501-3182
danr.sd.gov

APR 09 2025

Par Mar Valley Country Club
c/o James Vogel
PO Box 354
Parker, SD 57053

No. 7648-3

Dear Mr. Vogel:

Enclosed is Water License No. 7648-3. 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 in the future, the owner of an existing well, 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.

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

Sincerely,

Mark Mayer, PE
Director of Office of Water
(605) 773-3352

enclosures

**STATE OF SOUTH DAKOTA
WATER LICENSE NO. 7648-3**

(1) Par Mar Valley Country Club Inc, PO Box 354, Parker, SD 57053, made Application No. 7648-3, January 17, 2013, for a water permit to divert 0.89 cubic feet of water per second from groundwater, one well (Vermillion: West Fork Aquifer), Turner County, South Dakota for irrigation purposes. Permit No. 7648-3, with priority dates of July 12, 1976 (established by Water Right No. 2849-3) and January 17, 2013, was approved April 8, 2013, and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before April 8, 2018, and for the application to beneficial use of water on or before April 8, 2022.

The permit holder submitted a Notice of Completion of Works and Application of Water to Beneficial Use form on February 13, 2014. The Notice stated the diversion system was completed on August 31, 2013 and the water was placed to beneficial use on August 31, 2013.

(2) It is certified that the permit holder has complied with the provisions of South Dakota State Law relating to completion of the construction of the water supply system and is entitled to divert 0.45 cubic feet of water per second for beneficial use. The locations of the diversion points are:

Well: 2,525 feet N and 257 feet E from the SW corner of Section 12, T99N, R54W (NW ¼ SW ¼)
(Latitude 43.40831 and Longitude -97.18016)

Dugout: 2,185 feet N and 1,55 feet E from the SW corner of Section 12, T99N, R54W (NW ¼ SW ¼)
(Latitude 43.40735 and Longitude -97.18082)

(3) The amount of appropriation may not exceed 2 acre-feet annually for each acre of land to which water is actually and beneficially applied for irrigation. The water is to be used during the following described annual period: April 1 – October 31.

(4) The permit holder has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use to irrigate to following land:

Section 12, T99N, R54W
NW ¼ SW ¼ - 13 acres
SW ¼ SW ¼ - 16 acres
Total – 29 acres

(5) Pursuant to South Dakota Water Law 46-5-30.1 Par Mar Valley Country Club Inc, the holder and/or owner of Water Right No. 7648-3 is issued a license to appropriate water, the right to use 0.45 cubic feet of water per second from groundwater, one well (Vermillion: West Fork Aquifer), with priority dates of July 12, 1976 (7 acres & 0.11 cfs) and January 17, 2013 (22 acres & 0.34 cfs), from the location specified in (2) of this license for irrigation purposes.

This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Right No. 7648-3 and subject to the following qualifications:

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. 7648-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28. *(The well was drilled in 2013 by Lacey Well Drilling Inc. A copy of the well completion report is on file with the Water Rights Program.)*
3. Pursuant to SDCL 46-5-6 which allows a greater diversion rate if the method of irrigation, time constraints, or type of soils so requires, Permit No. 7648-3 authorizes a maximum diversion rate of 0.89 cfs for the irrigation of 50 acres with an annual volume not to exceed 2 acre-feet of water per acre per year. *(The number of acres and diversion rate was reduced from 50 acres to 29 acres and 0.89 cfs to 0.45 cfs based on the system as developed.)*
4. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.
5. The applicable portions of Water Right No. 2849-3 are incorporated into Water Permit No. 7648-3 with the Priority date of July 12, 1976 retained. The two wells authorized by Water Right No. 2849-3 that are being replaced shall be plugged in accordance with Water Management Board Rules, Chapter 74:02:04.

Mark Mayer

Mark Mayer, PE
Director of Office of Water

4/9/25

date

