orig. rt.

July 2000
DNR Form 638-2

# STATE OF NEBRASKA
# DEPARTMENT OF NATURAL RESOURCES

Corrected filed 1-4-06

## APPLICATION FOR A MUNICIPAL AND RURAL DOMESTIC GROUND WATER TRANSFERS PERMIT

**INSTRUCTIONS**

Complete items 1 through 10 by printing in ink or typing the appropriate information and by placing an (X) in the appropriate boxes.

The following information shall be provided on 8½x 11 inch paper (or folded to such size). An answer is required for each item of A-H. Each answer must be clearly identified in the application. When using a ground water model, justify the applicability to the given geologic setting.

**For Department Use Only**

Application Number: $T_M$ MT-8
Date Filed: October 29, 2004
Receipt Number: G-35
Amount: $50.00

A. Discussion of impacts on surrounding ground water and surface water supplies. Include expected radius of cone of depression and how it was determined and location of any existing wells or water rights that may be impacted.
B. Statement of impacts on any existing threatened or endangered species in project area.
C. Pump test information, if available, including length of test, data from pump test, and location of observation wells.
D. Information on geology and hydrology of area such as thickness of aquifer, depth to water, aerial extent, transmissivity and how it was determined, and whether aquifer is confined or unconfined.
E. Description of type of well, including drawings.
F. Planned operation schedule. (Describe hours per day the wells will likely be pumped, whether there will be seasonal changes to schedule, whether there will be a rotation of wells pumped, and whether certain wells are only for backup purposes.)
G. Explanation of the basis for the amount of water requested. This should include current population and projected growth, daily per capita water use data, current industrial or other large uses and projected growth. The explanation should also include answers to the requirements for approval of the application stated in § 46-642, R.R.S., 1943, as amended, namely: whether request is reasonable, not contrary to the conservation and beneficial use of ground water, and not detrimental to the public welfare.
H. Map showing location of proposed wells, pipelines (exclusive of distribution lines) and the area of proposed use. The map shall be legible and at a scale of not less than one inch to the mile.

A non-refundable filing fee (payable to the Department of Natural Resources) can be computed from the table below and must accompany this application.

| QUANTITY OF WATER REQUESTED (daily average) | COST |
|---|---|
| First 5,000,000 gallons per day | $50.00 |
| Each additional increment (or portion) of 5,000,000 gallons per day | $20.00 |

1. Name, address and telephone number of Applicant:

Village of Big Springs
PO Box 132
Big Springs, NE 69147
308 889 3413

Name, address and telephone number of person to contact concerning application:

Tom Werblow, Village Engineer
TC Engineering Inc.
North Platte, NE 69103-0832
308 534 9245

2. Identify the city, village, rural area or other entity to be supplied water:

Village of Big Springs, Nebraska

3. Maximum rate of withdrawal for which a permit is requested (complete both) 1,000 gallons per minute
500,000 gallons per day

Indicate whether the amount is for each well or a total rate for all wells.
This is the total for the wells to be used for public water supply.

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app(c)

4. The daily AVERAGE amount of water requested: 212,500 Gallons per day

5. Total quantity of water to be withdrawn annually (gallons). 77,562,500

6. Number of wells proposed: 2 Number of existing wells: 2

7. Location of the proposed ground water wells and existing wells:
(Indicate 40-acre government subdivision, Section, Township, Range and County, and registration number(s) if applicable):

Proposed: NE 1/4, S 12~~, T12N,~~ R 42W, Deuel County, Nebraska
Existing: G-35719, and G-037942:

8. Construction will start on or before May, 20 6.

9. Construction will be completed on or before December, 20 6.

10. If the permit is granted, does the applicant request imposition of statutory spacing protection for one year for test holes or wells to be constructed? ☐ Yes ☒ No

If yes, indicate below the name and address of the owners and occupiers of land affected by the granting of such spacing protection, and a description of the land they own or occupy.

I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief, such information is true.

Village Engineer 12-3-05

Applicant (Signature and Title) Date

Forward application and fee to:

State of Nebraksa
Department of Natural Resources
301 Centennial Mall South
P.O. Box 94676
Lincoln, Nebraska 68509-4676
(402)471-2363

# FAX COVER SHEET

## VILLAGE OF BIG SPRINGS

**CURT BROWN**
**PO BOX 132**
**BIG SPRINGS NE 69122**

**PHONE# (308) 889-3641**
**FAX# (308) 889-3641**

**TO:** Tom W.

**COMPANY:** T.C. Engineering

**FAX#:** (308) 534-3735

**SENDER:** Curt Brown

**DATE:** 1/18/06

**NUMBER OF PAGES:** 1

| ADDITIONAL INFO. FILED | [illegible] |
|---|---|

# Village Of Big Springs Water Use

## WELL #721

| YEAR | GALLONS USED |
|---|---|
| 2005 | 92,771,999 |
| 2004 | 103,261,399 |
| 2003 | 138,499,699 |

## WELL #701

| YEAR | GALLONS USED |
|---|---|
| 2005 | 30,984,500 |
| 2004 | 31,746,700 |
| 2003 | 26,077,200 |

## TOTAL USAGE

| YEAR | GALLONS USED |
|---|---|
| 2005 | 123,756,499 |
| 2004 | 135,008,099 |
| 2003 | 164,574,899 |

*Flow meters installed late 2002

ADDITIONAL INFO. FILED | FEB 2 1 2006

JAN-18-2006 00:09 FROM:BIG SPRINGS CITY SHO 13088893641 TO:13085343735 P.2/2
Received Fax : JAN 18 2006 1:35PM Fax Station : T.C. ENGINEERINGINC. P. 2

05/23/2005 12:08 01 GROSCHOG PAGE 01

North
3525.6

| Time | swt well DD | swt well DD | swt well DD | |
|---|---|---|---|---|
| 2:30 PM | 136? | 171 | 184 | 5-19-05 Started Development Pumping 600gal |
| 2:31 | | | | |
| 2:32 | | | | |
| 2:33 | | | | |
| 34 | | | | |
| 35 | | | 184 | well to north and well to east Both running They were started 5-18-05 approx 2:30 |
| 36 | | | | |
| 37 | | | | |
| 38 | | | | |
| 39 | | | | |
| 40 | 171 | | 184 | |
| 41 | 172 | | | |
| 42 | 172 | 171 | | |
| 43 | 173 | | | |
| 44 | 175 | | | |
| 45 | 176 | 172 | 184 | |
| 46 | 177 | | | |
| 47 | 178 | | | |
| 48 | 179 | | | |
| 49 | 180 | | | |
| 50 | 182 | 180 | 184 | |
| 51 | 182 | | | |
| 52 | 183 | | | |
| 53 | 184 | | | |
| 54 | 184 | | | |
| 55 | 184 | 182 | 184 | |
| 56 | 185 | | | |
| 57 | 185 | | | |
| 58 | 185 | | | |
| 59 | 186 | | | |
| 3:00 | 186 | 184 | 184 | 184 |
| 05 | 186 | | | 184 |
| 10 | 186 | | | 184 |
| 15 | 186 | 184 | | 184 |
| 20 | 186 | | | 184 |
| 25 | 186 | | | 184 |
| 30 | 186 | | | 184 |
| 35 | 186 | | | 184 |
| 40 | 186 | 184 | | 184 |
| 45 | 186 | | | 184 |
| 50 | 186 | | | 184 |
| 55 | 186 | | | 184 |
| 400 | 186 | 184 | | 184 |
| 15 | 186 | | | 184 |
| 30 | 186 | 184 | | 184 |
| 45 | 186 | | | 184 |
| 5:00 | 186 | | | 184 |
| 15 | 186 | 184 | + | 184 |
| 30 | 186 | 175 | ~~184~~ | 184 |
| 45 | 171 | 171 | 184 | |
| 6:00 | | | | |

not a True of sand 0%
End of Development
not pumping

FEB 2 1 2006
TIONAL FILED

GROSCHOG

| | swt Well | DD Well | swt well | DD | swt well | DD | |
|---|---|---|---|---|---|---|---|
| 6:00 PM | 171 | | 171 | | 184 | | |
| 6:05 | | 171 | | 171 | | | |
| 07 | | 172 | | 171 | | | |
| 03 | | 173 | | 171 | | | |
| 04 | | 173 | | 171 | | | |
| 05 | | 174 | | 172 | | 184 | |
| 06 | | 176 | | 173 | | | |
| 07 | | 177 | | 174 | | | |
| 08 | | 177 | | 175 | | | |
| 09 | | 178 | | | | | |
| 10 | | 180 | | 178 | | 184 | |
| 11 | | 181 | | | | | |
| 12 | | 181 | | | | | |
| 13 | | 182 | | 180 | | | |
| 14 | | 182 | | | | | |
| 15 | | 182 | | 180 | | 184 | |
| 16 | | 183 | | | | | |
| 17 | | 183 | | | | | |
| 18 | | 184 | | | | | |
| 19 | | 184 | | | | | |
| 20 | | 184 | | 182 | | 184 | |
| 21 | | 184 | | | | | |
| 22 | | 184 | | | | | |
| 23 | | 184 | | | | | |
| 24 | | | | | | | |
| 25 | | 184 | | | | | |
| 26 | | 184 | | | | | |
| 27 | | 184 | | | | | |
| 28 | | 184 | | | | | |
| 29 | | 184 | | | | | |
| 30 | | 184 | | 182 | | 184 | |
| 35 | | 184 | | | | | |
| 40 | | 184 | | | | | |
| 45 | | 184 | | | | | |
| 50 | | 184 | | 182 | | | |
| 55 | | 185 | | | | | |
| 7:00 | | 186 | | 183 | | 184 | changed John - Bruce |
| 15 | | 186 | | | | | |
| 30 | | 186 | | | | | |
| 45 | | 186 | | | | | |
| 8:00 | | 186 | | 183 | | 184 | |
| 15 | | 186 | | | | | |
| 30 | | 186 | | | | | |
| 45 | | 186 | | | | | |
| 9:00 | | 186 | | 183 | | 185 | |
| 15 | | 186 | | | | | |
| 30 | | 186 | | | | | |
| 45 | | 186 | | | | | |
| 10:00 | | 186 | | 183 | | 186 | |
| 15 | | 186 | | | | | |
| 30 | | 187 | | | | | |
| 45 | | 187 | | | | | |
| 11:00 | | 187 | | 184 | | 186 | |

ADDITIONAL INFO. FILED

| | SWL | DD | SWL | DD | SWL | DD | |
|---|---|---|---|---|---|---|---|
| 11 15 | | 187 | | 184 | | | |
| 30 | | 187 | | | | | |
| 45 | | 187 | | | | | |
| 12 00 | | 187 | | 184 | | 187 | midnite 5-20-05 |
| 15 | | 187 | | | | | |
| 30 | | 187 | | | | | |
| 45 | | 187 | | | | | |
| 1 00 | | 187 | | 184 | | 188 | |
| 15 | | 187 | | | | | |
| 30 | | 187 | | | | | |
| 45 | | 187 | | | | | |
| 2 00 | | 187 | | 184 | | 188 | |
| 15 | | 187 | | | | | |
| 30 | | 187 | | | | | |
| 45 | | 187 | | | | | |
| 3 00 | | 187 | | 184 | | 188 | |
| 15 | | 187 | | | | | |
| 30 | | 187 | | | | | |
| 45 | | 187 | | | | | |
| 4 00 | | 187 | | 184 | | 188 | |
| 15 | | 187 | | | | | |
| 30 | | 187 | | | | | |
| 45 | | 187 | | | | | |
| 5 00 | | 187 | | 184 | | 188 | |
| 15 | | 187 | | | | | |
| 30 | | 187 | | | | | |
| 45 | | 187 | | | | | |
| 6 00 | | 187 | | 184 | | 188 | |
| 15 | | 187 | | | | | |
| 30 | | 187 | | | | | |
| 45 | | 187 | | | | | |
| 7 00 | | 187 | | 184 | | 188 | changed Bivac - Nathan |
| 15 | | 187 | | | | | |
| 30 | | 187 | | | | | |
| 45 | | 187 | | | | | |
| 8 00 | | 188 | | 184 | | 188 | |
| 15 | | 188 | | | | | |
| 30 | | 188 | | | | | |
| 45 | | 188 | | | | | |
| 9 00 | | 188 | | 185 | | 189 | |
| 15 | | 188 | | | | | |
| 30 | | 188 | | | | | |
| 45 | | 188 | | | | | |
| 10 00 | | 188 | | 185 | | 189 | |
| 15 | | 188 | | | | | |
| 30 | | 188 | | | | | |
| 45 | | 188 | | | | | |
| 11 00 | | 188 | | 185 | | 189 | |
| 15 | | 188 | | | | | |
| 30 | | 188 | | | | | |
| 45 | | 188 | | | | | |
| 12 00 | | 188 | | 185 | | 189 | noon |
| 12 15 | | 188 | | | | | mcClung shot off well 20 ft east |

FEB 2 1 2006
TIONAL FILED

| Time | swt well | DD | swt | DD | swt well | DD | |
|---|---|---|---|---|---|---|---|
| 12 30 | | 188 | | 185 | | | |
| 45 | | 188 | | 185 | | | |
| 1 00 | | 188 | | 185 | | 189 | |
| 15 | | 188 | | | | | |
| 30 | | 187 | | | | | |
| 45 | | 187 | | | | | |
| 00 | | 187 | | 185 | | 189 | |
| 2 15 | | 187 | | | | | |
| 2 30 | | 187 | | | | | |
| 45 | | 187 | | 185 | | | |
| 3 00 | | 187 | | 185 | | 189 | |
| 15 | | 187 | | | | | |
| 30 | | 187 | | | | | |
| 45 | | 187 | | | | | |
| 4 00 | | 186 | | 185 | | 188 | |
| 15 | | 186 | | 184 | | | |
| 30 | | 186 | | 184 | | | |
| 45 | | 186 | | 184 | | | |
| 5 00 | | 186 | | 184 | | 188 | |
| 15 | | 186 | | | | | |
| 30 | | 186 | | | | | |
| 45 | | 186 | | | | | |
| 6 00 | | 186 | | 184 | | 188 | increase to 750 psi |
| 15 | | 189 | | | | | |
| 30 | | 189 | | 184 | | | |
| 45 | | 189 | | | | | |
| 7 00 | | 189 | | 185 | | 188 | |
| 15 | | 189 | | | | | |
| 30 | | 189 | | | | | |
| 45 | | 189 | | | | | |
| 8 00 | | 189 | | 187 | | 188 | |
| 15 | | 189 | | | | | |
| 30 | | 189 | | | | | |
| 45 | | 189 | | | | | |
| 9 00 | | 189 | | 187 | | 188 | |
| 15 | | 189 | | | | | |
| 30 | | 189 | | | | | |
| 45 | | 189 | | | | | |
| 10 00 | | 189 | | 187 | | 188 | |
| 15 | | 189 | | | | | |
| 30 | | 189 | | | | | |
| 45 | | 189 | | | | | |
| 11 00 | | 189 | | 187 | | 188 | |
| 15 | | 189 | | | | | |
| 30 | | 189 | | | | | |
| 45 | | 189 | | | | | |
| 12 00 | | 189 | | 187 | | 188 | midnite 5-21-05 |
| 15 | | 188 | | | | | |
| 30 | | 188 | | | | | |
| 45 | | 187 | | | | | |
| 1 00 | | 186 | | 184 | | 186 | |
| 15 | | 186 | | | | | |
| 30 | | 186 | | | | | |

ADDITIONAL NO. FILED

| Time | Swk well DD | Swk well DD | Swk well DD | 5-21-05 AM |
|---|---|---|---|---|
| 1 45 | 186 | 183 | | |
| 2 00 | 185 | 183 | 186 | |
| 15 | 185 | | | |
| 30 | 185 | | | |
| 45 | 185 | | | |
| 3 00 | 185 | 183 | 186 | |
| 15 | 185 | | | |
| 30 | 185 | | | |
| 45 | 185 | | | |
| 4 00 | 185 | 183 | 185 | |
| 15 | 185 | | | |
| 30 | 185 | | | |
| 45 | 185 | | | |
| 5 00 | 185 | 183 | 185 | |
| 15 | 185 | | | |
| 30 | 185 | | | |
| 45 | 185 | | | |
| 6 00 | 185 | 183 | 185 | |
| 6 15 | 185 | | | |
| 30 | 185 | | | |
| 45 | 185 | | | |
| 7 00 | 185 | 183 | 185 | |
| 15 | 184 | | | |
| 30 | 184 | | | |
| 45 | 184 | | | |
| 8 00 | 184 | 182 | 185 | |
| 15 | 184 | | | |
| 30 | 184 | | | |
| 45 | 184 | | | |
| 9 00 | 184 | 182 | 185 | |
| 15 | 184 | | | |
| 30 | 184 | | | |
| 45 | 184 | | | |
| 10 00 | 183 | 181 | 185 | |
| 15 | 183 | | | |
| 30 | 183 | | | |
| 45 | 183 | | | |
| 11 00 | 183 | 181 | 185 | |
| 15 | 182 | | | |
| 30 | 182 | | | |
| 45 | 182 | | | |
| 12 00 | 182 | 180 | 184 | noon |
| 15 | 182 | | | |
| 30 | 182 | | | |
| 45 | 182 | | | |
| 1 00 | 182 | 180 | 184 | |
| 15 | 182 | | | |
| 30 | 181 | | | |
| 45 | 181 | | | |
| 2 00 | 181 | 179 | 184 | |
| 15 | 181 | | | |
| 30 | 181 | | | |
| 45 | 181 | | | |

TIONAL FILED FEB 2 1 2006

| Time | well | well | well | |
|---|---|---|---|---|
| 3 00 | 181 | 179 | 184 | |
| 15 | 181 | | | |
| 30 | 181 | | | |
| 45 | 181 | | | |
| 4 00 | 181 | 179 | 184 | |
| 15 | 181 | | | |
| 30 | 181 | | | |
| 45 | 181 | | | |
| 5 00 | 181 | 179 | 184 | |
| 15 | 181 | | | |
| 30 | 181 | | | |
| 45 | 181 | | | |
| 6 00 | 181 | 179 | 184 | |
| 15 | 181 | | | |
| 30 | 181 | 179 | 184 | STOP PUMPING |
| 45 | | | | |
| 7 00 | 170 | 170 | 183 | |
| 15 | | | 183 | |
| 30 | | | 182 | |
| 45 | | | 182 | |
| 8 00 | 170 | 170 | 182 | |
| 9 00 | | | | |

ADDITIONAL INFO FILED

South

Grade ~3558.9

| | South well | Test | | |
|---|---|---|---|---|
| 11:30 | 170 | 170 | 160 | SWL |
| 11:31 | 171 | | | 6-7-05 AM |
| 11:32 | 172 | | | Nathan |
| 33 | 174 | | | Pumping 600 gal |
| 34 | 175 | | | on South well |
| 35 | 176 | | | |
| 36 | 176 | | | |
| 37 | 177 | | | |
| 38 | 177 | | | |
| 39 | 177 | | | |
| 40 | 177 | | | |
| 41 | 177 | | | |
| 42 | 177 | | | |
| 43 | 177 | | | |
| 44 | 177 | | | |
| 45 | 177 | | | |
| 46 | 177 | | | |
| 47 | 177 | | | |
| 48 | 177 | | | |
| 49 | 177 | | | |
| 50 | 177 | | | |
| 51 | 177 | | | |
| 52 | 177 | | | |
| 53 | 177 | | | |
| 54 | 177 | | | |
| 55 | 177 | | | |
| 56 | 177 | | | |
| 57 | 177 | | | |
| 58 | 177 | | | |
| 59 | 177 | | | |
| 12:00 | 177 | 177 | 160 | noon + PM |
| 12:05 | 177 | | | |
| 10 | 177 | | | |
| 15 | 177 | | | |
| 20 | 177 | | | |
| 25 | 177 | | | Started Pumping 700 gal |
| 30 | 179 | | | |
| 35 | 179 | | | |
| 40 | 179 | | | |
| 45 | 179 | | | |
| 50 | 179 | | | |
| 55 | 179 | 178 | 161 | Started Pumping 800 gal |
| 1:00 | 180 | | | |
| 15 | 180 | | | |
| 30 | 180 | | | |
| 45 | 180 | | | |
| 2:00 | 180 | 179 | 161 | |
| 15 | 180 | | | Well is pumping very clean |
| 230 | 180 | | | no trace of sand or clay |
| 245 | 176 | | | Droped pumping to 525 gal |
| 3:00 | 176 | 176 | 161 | |
| 315 | 176 | | | |
| 330 | 176 | | | |

FEB 2 1 2006
ADDITIONAL INFO. FILED

| | South well | Test | Test | |
|---|---|---|---|---|
| [redacted] | 176 | | | Nathan |
| 400 | 176 | 176 | 161 | |
| 415 | 176 | | | Pumping 575 gal |
| 430 | 176 | | | |
| 445 | 176 | | | |
| 500 | 176 | 176 | 161 | |
| 515 | 176 | | | |
| 530 | 176 | | | |
| 545 | 176 | | | |
| 600 | 176 | 176 | 161 | Pmi |
| 615 | 176 | | | |
| 630 | 176 | | | |
| 645 | 176 | | | |
| 700 | 176 | 176 | 161 | |
| 715 | 176 | | | |
| 30 | 176 | | | |
| 45 | 176 | | | |
| 800 | 176 | 176 | 161 | |
| 15 | 176 | | | |
| 30 | 176 | | | |
| 45 | 176 | | | |
| 900 | 176 | 176 | 161 | |
| 15 | 176 | | | |
| 30 | 176 | | | |
| 45 | 176 | | | |
| 1000 | 176 | 176 | 161 | |
| 15 | 176 | | | |
| 30 | 176 | | | |
| 45 | 176 | | | |
| 1100 | 176 | 176 | 161 | |
| 15 | 176 | | | |
| 30 | 176 | | | |
| 45 | 176 | | | |
| 1200 | 176 | 176 | 161 | mid nite 6-8-05 |
| 15 | 176 | | | |
| 30 | 176 | | | |
| 45 | 176 | | | |
| 100 | 176 | 176 | 161 | |
| 15 | 176 | | | |
| 30 | 176 | | | |
| 45 | 176 | | | |
| 200 | 176 | 176 | 161 | |
| 15 | 176 | | | |
| 30 | 177 | | | |
| 45 | 177 | | | |
| 300 | 177 | 176 | 161 | |
| 15 | 177 | | | |
| 30 | 177 | | | |
| 45 | 177 | | | |
| 400 | 177 | 176 | 161 | |
| 15 | 177 | | | |
| 30 | 177 | | | |
| 45 | 177 | | | |
| 500 | 178 | 176 | 161 | |
| 15 | 178 | | | |
| 30 | 178 | | | |
| 45 | 178 | | | |

ADDITIONAL INFO NEEDED

| 6-8-05 Scott Well | Scott Test | Scott Test | |
|---|---|---|---|
| 600 | 178 | 176 | 161 | 6-8-05 Pump 5.2.5 |
| 615 | 178 | | | |
| 630 | 178 | | | |
| 645 | 178 | | | Paul |
| 700 | 178 | 176 | 161 | |
| 715 | 178 | | | |
| 730 | 178 | | | |
| 745 | 178 | | | |
| 800 | 175 | 176 | 161 | |
| 815 | 175 | | | |
| 830 | 178 | | | Bruce |
| 845 | 178 | | | |
| 900 | 179 | 177 | 161 | |
| 915 | 179 | | | |
| 930 | 179 | | | |
| 945 | 179 | | | |
| 1000 | 178 | 177 | 162 | |
| 1015 | 178 | | | |
| 1030 | 178 | | | |
| 1045 | 178 | | | |
| 1100 | 178 | 177 | 162 | |
| 1115 | 178 | | | |
| 1130 | 178 | | | |
| 1145 | 178 | | | |
| 1200 pm | 178 | 177 | 162 | |
| 1215 | 178 | | | |
| 1230 | 178 | | | |
| 1245 | 178 | | | |
| 100 | 178 | 177 | 162 | |
| 115 | 178 | | | |
| 130 | 178 | | | |
| 145 | 178 | | | |
| 200 | 178 | 177 | 162 | |
| 215 | 178 | | | |
| 230 | 178 | | | Increased to 600 gpm |
| 245 | 178 | | | |
| 300 | 178 | 177 | 162 | |
| 315 | 178 | | | |
| 330 | 178 | | | |
| 345 | 178 | | | |
| 400 | 178 | 177 | 162.5 | |
| 415 | 178 | | | |
| 430 | 178 | | | |
| 445 | 178 | | | |
| 500 | 178 | 177 | 162.5 | |
| 515 | 178 | | | |
| 530 | 178 | | | |
| 545 | 178 | | | |
| 600 | 178 | 177 | 162.5 | |
| 615 | 178 | 177 | 162.5 | Paul 600 gpm |
| 630 | 178 | | | |
| 645 | 178 | | | |
| 700 | 178 | 177 | 162.5 | |
| 715 | 178 | | | |

Am

Pl

FEB 2 1 2006
ADDITIONAL INFO

| | | Well test | GROSCHOG test | |
|---|---|---|---|---|
| 730 | 178 | | | |
| 745 | 178 | | | |
| 800 | 178 | 177 | 162.5 | 162.5 |
| 815 | 178 | | | |
| 830 | 178 | | | |
| 845 | 178 | | | |
| 900 | 178 | 177 | 162.5 | |
| 915 | 178 | | | |
| 930 | 178 | | | |
| 945 | 178 | | | |
| 1000 | 178 | 177 | 162.5 | |
| 1015 | 178 | | | |
| 1030 | 178 | | | |
| 1045 | 178 | | | |
| 1100 | 178 | 177 | 162.5 | |
| 1115 | 178 | | | |
| 1130 | 178 | | | |
| 1145 | 178 | | | |
| mid 1200 | 178 | 177 | 162.5 | |
| 1215 | 178 | | | |
| 1230 | 178 | | | |
| 1245 | 178 | | | |
| 100 | 178 | 177 | 162.5 | |
| 115 | 178 | | | |
| 130 | 178 | | | |
| 145 | 178 | | | |
| 200 | 178 | 177 | 162.5 | |
| 215 | 178 | | | |
| 230 | 178 | | | |
| 245 | 178 | | | |
| 3.00 | 178 | 177 | 162.5 | |
| 3.15 | 178 | | | |
| 3.30 | 178.5 | 177.5 | 163 | |
| 3.45 | 178.5 | | | |
| 4.00 | 179 | 178 | 163 | |
| 4.15 | 179 | 178 | 163 | |
| 4.30 | 179 | 178 | | |
| 4.45 | 179 | | | |
| 5.00 | 179 | 178 | 162.5 | |
| 5.15 | 179 | | | |
| 5.30 | 179 | | | |
| 5.45 | 179 | | | |
| 6.00 | 179 | 178 | 162.5 | |
| 6.15 | 179 | | | |
| 6.30 | 179 | | | |
| 6.45 | 179 | | | |
| 7.00 | 179 | 178 | 162.5 | |
| 7.15 | 179 | | | |
| 7.30 | 179 | | | |
| 7.45 | 179 | | | |
| 8.00 | 179 | 179 | 163 | |
| 8.15 | 179 | | | |
| 8.30 | 179 | | | |

PM PAUL
600 gal
600 gal PM
PM
AM PAUL 6-9-05
Gorgan
Paul Bruce

ADDITIONAL INSERTED

Pg:

| Am | Well | SC Test | NO Test | Bruce |
|---|---|---|---|---|
| ~~845~~ | ~~178~~ | ~~179~~ | ~~163~~ | |
| 900 | 179 | 179 | 163 | |
| 915 | 179 | | | |
| 930 | 179 | | | |
| 945 | 179 | | | |
| 1000 | 179 | 179 | 163 | |
| 1015 | 179 | | | |
| 1030 | 179 | | | |
| 1045 | 179 | | | |
| 1100 | 179 | 179 | 163 | |
| 1115 | 179 | | | |
| 1130 | 179 | | | |
| 1145 | 179 | | | |
| 1200 | 179 | 179 | 163 | |
| Pm | | | | |
| 1215 | 179 | | | |
| 1230 | 179 | | | |
| 1245 | 179 | | | |
| 100 | 179 | 179 | 161.5 | |
| 115 | 179 | | | |
| 130 | 179 | | | |
| 145 | 179 | | | |
| 200 | 179 | 179 | 162 | |
| 215 | 179 | | | |
| 230 | 179 | | | QUIT Pumping @ |
| 235 | 175 | 175 | 162 | |
| 245 | 171 | 171 | 161.5 | |
| 300 | 171 | 171 | 161. | |
| 315 | 171 | 171 | 160 | |
| 400 | 171 | 171 | 160 | |
| 430 | 170.5 | 170.5 | 160 | |
| 800 | 170.5 | 170.5 | 160 | |

PM

ADDITIONAL INFO. FILED FEB 2 1 2006

ADDITIONAL INFO FILED
FEB 2 1 2006

ADDITIONAL INFO. FILED

FEB 2 1 2006

**Water use at Big Springs, Nebraska, based upon Curtis Brown, Village water operator data:**

| | Year: | Annual withdrawal: | Estimated Population: | Per capita per year | Per capita per day | daily | gpm |
|---|---|---|---|---|---|---|---|
| | 2005 | 123756499 | 418 | 296068 | 811 | 339059 | 235 |
| | 2004 | 135008099 | 426 | 316920 | 868 | 369885 | 257 |
| | 2003 | 164574899 | 434 | 379205 | 1039 | 450890 | 313 |
| | Total: | 423339497 | | | | | |
| | Average: | 141113166 | | | | | |
| | | | | | | Percent Decrease from 1995 | |
| | 1995* | 409968000 | 495 | 828218 | 2269 | - | |
| | 2005 | 123756499 | 418 | 296068 | 811 | 64 | |
| ESTIMATE: | 2025 | 116800000 | 400 | 292000 | 800 | 65 | |

1995 is an estimate of usage based upon personal testimony, that all four Village wells ran continuously at one point.

Historical population is based upon the US Census Bureau.

TC ENGINEERING INC.
NORTH PLATTE, NEBRASKA
Feb-06