THEIN WELL
P.O. BOX 778, 11355 HWY. 71 NE
SPICER, MN 56288 (320) 796-2111
www.theinwell.com E-mail: theinwell@tds.net

WELLS~PUMPS
SALES ~ SERVICE

Since 1893

Well Log for West Bend, IA

Date: 09/21/97

Well Size:
Casing Length:
Screen Length:
Total Well Depth:
SWL:

| Geological Material | Color | Hardness or Formation | From | To |
|---|---|---|---|---|
| | | | | |
| Top soil | | | 0 | 4 |
| Overlay Clay | | | 4 | 10 |
| Clay | Blue | | 10 | 51 |
| Sand | | Fine to Med | 51 | 69 |
| Clay | Gray/ White | Gritty | 69 | 110 |
| Coal & decomp Sandstone | | | 110 | 113 |
| Decomp Sandstone | | | 113 | 115 |
| Sandstone | White | | 115 | 145 |
| Sandstone | White to Orange | | 145 | 156 |
| Shale | Orange | Hard | 156 | 175 |
| Sandstone | White | Soft | 175 | 185 |
| Limestone | | Solid | 185 | 205 |
| Limestone | | | 205 | 224 |
| Limestone | White/ Gray | | 224 | 231 |
| Lime | Blue | | 231 | 237 |
| Limestone | White | Hard | 237 | 243 |
| Limestone | White Gray to Blue | | 243 | 285 |
| Limestone | | | 285 | 300 |
| Dolonite | Brown | | 300 | 371 |
| Limestone | | | 371 | 375 |
| Shale Rock | Blue | Hard | 375 | 400 |
| Limestone | Gray | Hard | 400 | 418 |
| Shale | | | 418 | 424 |
| Limestone | Brown & Blue | | 424 | 444 |
| Limestone | Brown | | 444 | 452 |

| | | | | |
|---|---|---|---|---|
| Limestone | Brown | | 452 | 483 |
| Limestone | Brown | | 483 | 495 |
| Shale | Blue | | 495 | 513 |
| Limestone | Brown | | 513 | 545 |
| Dolonite | Brown | Hard | 545 | 589 |
| Limestone | White | | 589 | 610 |
| Sandstone | | | 610 | 640 |
| Sandstone w/some shale | | | 640 | 670 |
| Sandstone | Brown | | 670 | 800 |
| Limestone | Gray | | 800 | 810 |
| Limestone | Brown | | 810 | 818 |
| Shale | | | 818 | 824 |
| Shale & Limestone | Brown/Gray | | 824 | 845 |
| Shale | | | 845 | 861 |
| Shale | | | 861 | 866 |
| Limestone | White & Beige | | 866 | 872 |
| Shale | Green | | 872 | 893 |
| Shale | Green to Gray | | 893 | 909 |
| Limestone | Gray | | 909 | 925 |
| Limestone | Brown | | 925 | 940 |
| Sandstone | White | Very fine grain/soft | 940 | 1002 |
| Limestone | Brown | | 1002 | 1007 |
| Limestone | Gray | | 1007 | 1032 |
| Limestone | Brown | | 1032 | 1107 |
| Limestone | Brown to Gray | | 1107 | 1120 |
| Limestone | White | | 1120 | 1160 |
| Limestone | Gray | | 1160 | 1200 |
| Limestone | Gray to Brown | | 1200 | 1230 |
| Limestone w/sandstone | Gray | | 1230 | 1242 |
| Sandstone w/some Limestone | | | 1242 | 1275 |
| Sandstone | | | 1275 | 1353 |
| Shale w/limestone | Blue/ Brown | | 1353 | 1362 |

# THEIN WELL CO.

## Submersible Pump Installation Record

P. O. Box 429
Clara City, MN 56222
Phone (612) 847-3207

Jct. Hwy. 71 & Cty. Rd. 10
Spicer, MN 56288
Phone (612) 796-2111

7025 North Highway 63
Rochester, MN 55901
Phone (507) 288-5554

Owner CITY WEST BEND, IA Location _____ Well No. 5

Well Seal/U.G. Disch: Mfg. MONITOR
Diameter 10"
Bury _____
Disch. Dia. 6"
Suction Dia. 6"
Pulling Pipe Dia. _____
Comments _____

Drop Pipe Dia. 4
Length 294' Stainless
Comments _____

Submersible Cable # 1/0
Length _____
Comments _____

Check Valve Dia. IN PUMP
Length _____
Comments _____

Pump Mfg. GRUNDFOS SP75-5
Design Condition _____ gpm @ _____ TDH
Type Bowls _____
Serial No. _____
O.D. _____
No. Stages 5
Impeller No. _____
Length _____
Comments _____

Motor: Mfg. FRANKLIN ELECTRIC
Serial No. 336558963
O.D. _____
Length _____
H.P. 30 R.P.M. 3500
Volts 230 Phase 3
Name Plate Amps 79
Safety Factor Amps 90.4
Amps 1) _____ 2) _____ 3) _____
Amps 1) _____ 2) _____ 3) _____
Amps 1) _____ 2) _____ 3) _____
Heaters _____
Comments _____

Total Pump Setting _____

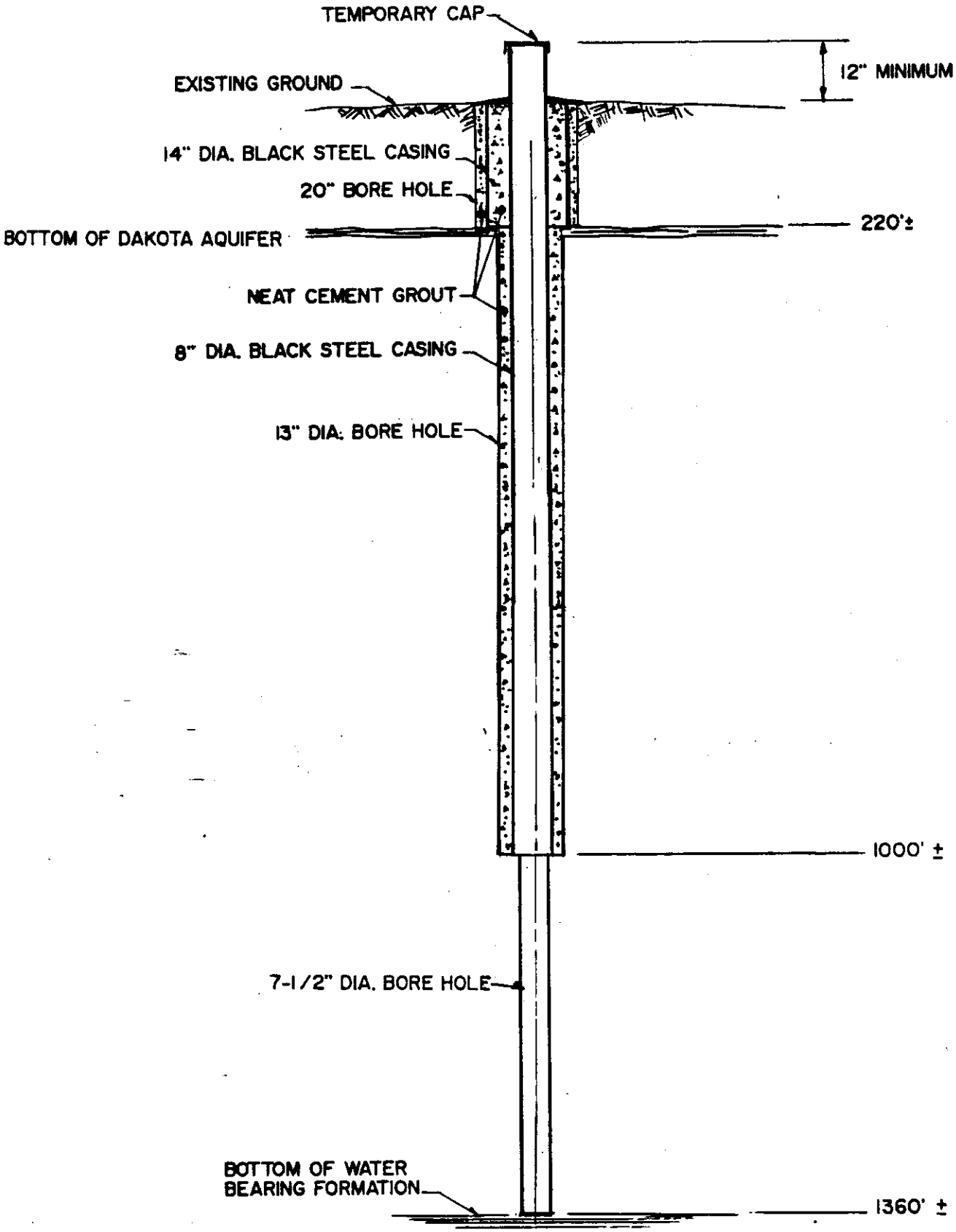



Well Data 221'4 of 14" CASING
1006' of 8" CASING

Screen Data NONE 356' of 7½" OPEN HOLE

Static Water Level 140'3"
Date 1-7-93 P.L. 263'8 @ 390 gpm = 3.16 S.C.
Date _____ P.L. _____ @ _____ gpm = _____ S.C.
Date _____ P.L. _____ @ _____ gpm = _____ S.C.
Date _____ P.L. _____ @ _____ gpm = _____ S.C.
Date _____ P.L. _____ @ _____ gpm = _____ S.C.

General Comments
HAS 1/4" AIRLINE & 3/4" CHLORINE LINE BANDED TO DROP PIPE WITH ELECTRIC CABLE




SECTION VIEW

WELL NO. 5

NOT TO SCALE

SHEET NO. 3

DeWild Grant Reckert and Associates Company
Rock Rapids, Iowa
Sioux City, Iowa
Sioux Falls, South Dakota

Date 7-1992
Drawn By LO
Approved GJP
Revised
JOB NO. 41070

WELL NO. 5
WEST BEND, IOWA