

WATER SUPPLY SOURCE

65571

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INVENTORY CARD

WATER SUPPLY

Kingsley Public Water Supply

ADDRESS OF RESPONSIBLE AUTHORITY

City of Kingsley

7 5 3 7 0 3 3

Facility Code

(CO/CI/SIT)

SOURCE CODE

8 7

3

Year Const. Number

Kingsley, Iowa 51628

OLD SOURCE NAME

LOCATION

150 ft. N.W. of City Control Building
100 ft. north of municipal well # 2 (see back)

DESIGN CRITERIA

Engineer

Kneel & Patten, Ltd
Hessell Engineering - holders

Contractor

Layne - Western Breakdown well co.

Permit #

None - see below 98-047-W

Source Usage: Primary

Secondary

Abandoned

Other

REMARKS:

The has is construction for this

will be submitted to DCA on May 21

but were returned to the city engineering

in June '01 because of the permit of

the water supply program.

IMPOUNDMENT/STREAM/LAKE

NAME:

Area of Watershed

acres

Area of Impoundment

acres

Water Level of Impoundment

Max. ft. Min. ft.

Capacity of Impoundment

acre ft.

Intake Description

Intake

Depth(s)

Condition/Remarks

Intake Pump(s)

Capacity

Condition/Remarks

WELL.

WELL CONSTRUCTION:

WELL CONSTRUCTION: Drilled 178 ft 14"
Construction - Type Drilled Depth 34 1/2 ft. Diameter Hole 3 in.
Casing - Material 3/8 steel PVC Diameter 8 in. Depth 30 1/2 ft.
Grout - Material concrete bentonite Depth 15 ft. Thickness 7 in.
Method Applied bored slurry fill
Screen - Material 30' 1" lock #100 stainless steel
Development - Gravel Pack XX Natural Other
WELL SEAL: How grouted - bentonite Adequacy OK
WELL VENT: How 1" down turned Adequacy OK
WELL PUMP: Type submersible Capacity 226 (actual) gpm @ 230 ft.
PUMP CONTROLS: Manual Semi-Automatic Automatic XX
PUMP DISCHARGE: How 9 in meter pit Adequacy OK
ACCESSORIES: Air Release XX Drawdown Gauge XX Pressure Gauge XX
Meter XX Check Valve XX Gate Valve XX
Blow Off XX Location XX
Sample Tap XX Location XX
WELL HOUSE: Size 15 ft. x 30 ft. Floor 150' S.E. of well
WATER LEVEL: Static 11 1/2 47 ft. Pumping 74 ft.
Draw Down 27 8 1/2 ft. @ 175 gpm time 6 hr.
SOURCE OF WATER: Principal Formation shallow alluvial aquifers
Secondary Formation gray sand

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SCHEMATIC FLOW DIAGRAM (well, wellhouse or intake piping):

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|| Kingsley PWS wellhouse and numbering

meter

Control Bldg

TO Distribution

chemical Feed

TO Distribution

Other well's No. —

Well No. —

May 2006

oil, oil

x 1/2

See 19

See 20

May 2006