



Cahoy worked on pump (7-97) (open impeller)

Built 1967

ERDMAN ENGINEERING SERVICE DECORAH, IOWA	
DRAWN BY: T.L.R	SCALE: None
REVISED:	DATE: 4-5-83

WELL No. ~~4~~ ~~5~~
 DECORAH, IOWA
 East of Mill Street #5

D.M.P.

Municipal Water-Supply Inventory

DATA FOR: DECORAH #5
WNUMBER: 19738

PWSID\SEQ#: 9630012- 4
USGS ID: 431827091473401

GENERAL INFORMATION

LOCATION: T 98N R 8W Sec 16NESWNWSW COUNTY: WINNESHIEK
TOPOGRAPHIC MAP: DECORAH
ELEVATION: 855 feet SITE TYPE: Drilled hole TOTAL DEPTH: 73 feet BEDROCK DEPTH: 52 feet
DRILLER: [75] Nelson Bros. DRILL DATE: 01/01/67 DRILLING METHOD: Cable
WELL TYPE: Municipal WELL DEPTH: 73.00 feet AQUIFER: Alluvium
Cambrian/Ordovician

STATUS: Standby ON LINE: / / ABANDONED: / / PLUGGED: / /
LOG TYPE: LOG QUALITY: SAMPLE TYPE: Chips BEDROCK DEPTH: 52 feet STRIP LOG BY:
LOG TYPE2: LOG QUALITY2: BASIN: 7060002
STRIP LOG DATE: / /
SUPPLY PERCENT: 5.00%

COMMENTS:
**14" CASING SET 20.5' INTO ST. PETER SANDSTONE (51.5'-72'); PUMP IS SET
INSIDE THIS CASING**
**ST. PETER SANDSTONE PRESUMED TO BE SUPPLYING WATER TO THIS WELL THROUGH
THE BOTTOM OF THE 14" CASING**
Depth also reported 72'

EDIT DATE: 10/30/01

VULNERABILITY: 1

LOCATION: EAST OF N. MILL ST. & 60' SOUTH OF DIKE

WELL CONSTRUCTION DATA FOR DECORAH #5

HOLE SCHEDULE: WELL CONSTRUCTION DATE: 01/01/67

CASING SCHEDULE:
(1) Diameter: 16 inches Type: Depth top: feet Depth bottom: 36 feet Amount:
(2) Diameter: 14 inches Type: Depth top: 52 feet Depth bottom: 72 feet Amount:

GROUT SCHEDULE:

SCREEN OR PERFORATED CASING SCHEDULE:
(1) Diameter: 16 inches Slot: inches Depth top: 34
feet Depth bottom: 52 feet Amount: feet

GRAVEL-PACKED: True Gravel-packed top: feet Gravel-packed bottom: feet

PUMP SCHEDULE:
Pump type: TURB Diameter: inches Depth to intake: feet
Rated capacity: gpm

COMMENTS:
Reportedly not gravel-packed.

Municipal Water-Supply Inventory

HYDROGEOLOGIC INFORMATION FOR DECORAH #5

MAIN WATER:
Main water top: 0 feet Main water bottom: 0 feet Pump rating: 390 gpm Pump yield: 425 gpm

DATE PUMPED: 01/01/83 TIME PUMPED:
STATIC WATER LEVEL: 10.5 feet PUMPING WATER LEVEL: 32.0 feet YIELD:
520.0 gpm DURATION:
AQUIFER PUMPED: Alluvium PUMP TEST: False PUMP METHOD:
MEASUREMENT:

COMMENTS:

DATE PUMPED: 09/01/99 TIME PUMPED: 1:35
STATIC WATER LEVEL: 13.4 feet PUMPING WATER LEVEL: 30.1 feet YIELD:
0.0 gpm DURATION:
AQUIFER PUMPED: Alluvium PUMP TEST: False PUMP METHOD:
MEASUREMENT:

COMMENTS:

Data from source water files 6/26/2001.

DATE PUMPED: 10/28/97 TIME PUMPED: 1:10
STATIC WATER LEVEL: 13.9 feet PUMPING WATER LEVEL: 32.3 feet YIELD:
0.0 gpm DURATION:
AQUIFER PUMPED: Alluvium PUMP TEST: False PUMP METHOD:
MEASUREMENT:

COMMENTS:

Data from source water files 6/26/2001.

DATE PUMPED: 08/19/98 TIME PUMPED: 1:15
STATIC WATER LEVEL: 12.8 feet PUMPING WATER LEVEL: 31.6 feet YIELD:
0.0 gpm DURATION:
AQUIFER PUMPED: Alluvium PUMP TEST: False PUMP METHOD:
MEASUREMENT:

COMMENTS:

Data from source water files 6/26/2001.

DATE PUMPED: 09/23/98 TIME PUMPED:
STATIC WATER LEVEL: 13.1 feet PUMPING WATER LEVEL: 30.2 feet YIELD:
0.0 gpm DURATION:
AQUIFER PUMPED: Alluvium PUMP TEST: False PUMP METHOD:
MEASUREMENT:

COMMENTS:

Data from source water files 6/26/2001.

DATE PUMPED: 02/01/99 TIME PUMPED:

Municipal Water-Supply Inventory

STATIC WATER LEVEL: 14.1 feet PUMPING WATER LEVEL: 32.2 feet YIELD:
0.0 gpm DURATION:
AQUIFER PUMPED: Alluvium PUMP TEST: False PUMP METHOD:
MEASUREMENT:

COMMENTS:
Data from source water files 6/26/2001.

DATE PUMPED: 10/13/99 TIME PUMPED:
STATIC WATER LEVEL: 13.5 feet PUMPING WATER LEVEL: 29.9 feet YIELD:
0.0 gpm DURATION:
AQUIFER PUMPED: Alluvium PUMP TEST: False PUMP METHOD:
MEASUREMENT:

COMMENTS:
Data from source water files 6/26/2001.

DATE PUMPED: 11/23/99 TIME PUMPED: 2:05
STATIC WATER LEVEL: 13.7 feet PUMPING WATER LEVEL: 30.4 feet YIELD:
0.0 gpm DURATION:
AQUIFER PUMPED: Alluvium PUMP TEST: False PUMP METHOD:
MEASUREMENT:

COMMENTS:
Data from source water files 6/26/2001.

DATE PUMPED: 05/05/00 TIME PUMPED: 8:45
STATIC WATER LEVEL: 14.0 feet PUMPING WATER LEVEL: 32.6 feet YIELD:
0.0 gpm DURATION: 0:20
AQUIFER PUMPED: Alluvium PUMP TEST: False PUMP METHOD:
MEASUREMENT:

COMMENTS:
Data from source water files 6/26/2001.

DATE PUMPED: 05/17/00 TIME PUMPED:
STATIC WATER LEVEL: 14.3 feet PUMPING WATER LEVEL: 32.8 feet YIELD:
0.0 gpm DURATION:
AQUIFER PUMPED: Alluvium PUMP TEST: False PUMP METHOD:
MEASUREMENT:

COMMENTS:
Data from source water files 6/26/2001.

Municipal Water-Supply Inventory

DATE PUMPED: 06/28/00 TIME PUMPED:
STATIC WATER LEVEL: 11.3 feet PUMPING WATER LEVEL: 29.2 feet YIELD:
0.0 gpm DURATION:
AQUIFER PUMPED: Alluvium PUMP TEST: False PUMP METHOD:
MEASUREMENT:

COMMENTS:
Data from source water files 6/26/2001.

DATE PUMPED: 08/09/00 TIME PUMPED:
STATIC WATER LEVEL: 12.4 feet PUMPING WATER LEVEL: 30.2 feet YIELD:
0.0 gpm DURATION:
AQUIFER PUMPED: Alluvium PUMP TEST: False PUMP METHOD:
MEASUREMENT:

COMMENTS:
Data from source water files 6/26/2001.

DATE PUMPED: 09/21/00 TIME PUMPED:
STATIC WATER LEVEL: 12.9 feet PUMPING WATER LEVEL: 30.0 feet YIELD:
0.0 gpm DURATION:
AQUIFER PUMPED: Alluvium PUMP TEST: False PUMP METHOD:
MEASUREMENT:

COMMENTS:
Data from source water files 6/26/2001.

DATE PUMPED: 12/13/00 TIME PUMPED:
STATIC WATER LEVEL: 12.4 feet PUMPING WATER LEVEL: 29.0 feet YIELD:
0.0 gpm DURATION:
AQUIFER PUMPED: Alluvium PUMP TEST: False PUMP METHOD:
MEASUREMENT:

COMMENTS:
Data from source water files 6/26/2001.

DATE PUMPED: 01/24/01 TIME PUMPED:
STATIC WATER LEVEL: 14.0 feet PUMPING WATER LEVEL: 30.6 feet YIELD:
0.0 gpm DURATION:
AQUIFER PUMPED: Alluvium PUMP TEST: False PUMP METHOD:
MEASUREMENT:

COMMENTS:

Municipal Water-Supply Inventory

Data from source water files 6/26/2001.

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DRILLER'S LOG FOR DECORAH #5

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WATER QUALITY DATA FOR DECORAH #5

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WATER QUALITY INFORMATION

FIELD DATA

DATE OF COLLECTION:	07/22/80	TIME:	COLLECTOR: David Pahlas	MINERAL NUMBER: 16419
SOURCE:	raw			
SAMPLING POINT:	well #5			
WAS SAMPLE FREE TURBIDITY WHEN COLLECTED?	Yes		IS A POLYPHOSPHATE BEING USED?	
	No			
TEMPERATURE:	10.0 C	pH:	0.000	ALKALINITY mg/l CaCO3 P: ----- mg/l
SPECIFIC CONDUCTANCE:	-----	micromhos		T: ----- mg/l
PUMPING RATED:	410.000	gpm	HOURS PUMPED: 1:00	

LABORATORY ANALYSIS

SPECIFIC CONDUCTANCE:	590.000 micromhos	pH:	7.450	SILICA (SiO2):
	13.000 mg/l			
SOLUBLE IRON (Fe):	0.180 mg/l			TOTAL IRON (Fe):
	0.180 mg/l			
FILTERABLE RESIDUE:	372.000 mg/l			TOTAL RESIDUE:
	372.000 mg/l			
HARDNESS as CaCO3:	298.000 mg/l			
ALKALINITY mg/l CaCO3 P:	0.000 mg/l	T:	257.000 mg/l	

CATIONS (mg/l):

POTASSIUM (K+):	2.900
SODIUM (Na+):	9.300
CALCIUM (Ca++):	93.000
MAGNESIUM (Mg++):	16.000
MANGANESE (Mn++) soluble:	0.010
MANGANESE (Mn++) total:	-----

ANIONS (mg/l)

NITRATE (NO3-):	11.000
FLUORIDE (F-):	1.500
CHLORIDE (Cl-):	14.000
SULFATE (SO4--):	29.000
BICARBONATE (HCO3-):	314.000
CARBONATE (CO3--):	0.000

TRACE METALS (mg/l)

ARSENIC (As):	<0.010
BARIUM (Ba):	<0.100
CADMIUM (Cd):	<0.001
CHROMIUM (Cr):	<0.010
COPPER (Cu):	0.180
LEAD (Pb):	<0.010
MERCURY (Hg):	<0.001
SELENIUM (Se):	<0.010
SILVER (Ag):	<0.010
ZINC (Zn):	0.080

RADIOACTIVITY (pCi/l)

GROSS ALPHA:	0.800
226RADIUM:	-----
228RADIUM:	-----
GROSS BETA:	1.000
90STRONTIUM:	-----
222RADON:	-----

