

GROUND WATER

Town MARTENSDALE County WARREN Date FEB. 10 19 56

WELL NO. 1 Active  Standby  Abandoned  Replaced by No.         

LOCATION: Street SOUTH OF R.R. BRANCH Sec. 1 N.R.          East: West  
LINE OF C.B. & Q. AND SOUTH EAST Lot          Block          Township           
OF LOTS, HIGHWAYS 92 & 28.

OWNERSHIP MUNICIPAL Date Installed NOVEMBER 19 55

CONTRACTOR THORPE WELL CO. Address DES MOINES, IOWA

DATE RECONDITIONED          19          Contractor          Address         

CONSTRUCTION EMPLOYED: GRAVEL PACKED

CURB ELEVATION          REFERENCE         

TYPE OF CONSTRUCTION CASING SET IN GRAVEL Depth 45 ft. Diameter 6 in.

CASING: Material STEEL Condition GOOD

SCREEN: Material EVERDUN Length 8' ft. Diameter 8 in. Slot Opening 1/8 in.

WELL SEALED YES How MECHANICAL RUBBER Approved YES

WELL VENTED YES How VENT ON SEAL FOR SURFACIBLE Approved YES

TYPE OF PUMP F.M. Make SUBMERSIBLE Capacity 30 GPM Lubricated WATER

DEPTH TO CYLINDER          ft. Tall Pipe          ft.

PUMP CONTROL: Manual  Automatic  Semi-Automatic

STATIC LEVEL 20 ft. Pumping Level 32 ft. Drawdown 12 ft.

OPTIMUM SPECIFIC YIELD 80 GPM Drawdown          ft. Time          hrs.

RATE OF DRAWDOWN          Rate of Recovery GOOD

TEMPERATURE OF WATER          °F Where Measured          Temp. of Atmosphere          °F

DRAWDOWN GAUGE INSTALLED         

TOPOGRAPHICAL POSITION OF WELL FLOOD PLAIN - NO FLOOD

WELL SITE INVESTIGATED YES Approved YES Why not         

WELL CONSTRUCTION REVIEWED YES Approved YES Why not         

PIT CONSTRUCTION: Purpose          Size and Description         

CONDITION:          Drainage Facilities         

PUMP INSTALLATION: Approved YES Why Not         

CUTTINGS FROM WELL PRESERVED:          Where         

DEPTH TO BED ROCK          Depth to Water-bearing Stratum         

SOURCE OF WATER: Principal Formation GRAVEL & SAND Other         

Total Hardness          ppm. Total Iron          ppm. Sulfates          ppm. Fluorine          ppm.  
Manganese          ppm. pH          CO<sub>2</sub>          ppm.

REMARKS: SYSTEM APPROVED SUBJECT TO PROVIDING  
CONTINUOUS CHLORINATION TO ALL WATER  
PUMPED. NO PROTECTION FOR FLOODING

Formation	Material and distance from surface in ft.	Series	Position, kind and extent of casing, liners, shoes, etc.	Scale: Horizontal 1" = 2' Vertical 1" = 5'	Position of casing, screen, static level, etc.
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 (Top Soil)  
 Brown Clay  
 8  
 tan or yellow clay  
 18  
~~14~~ blue clay  
 21  
 medium fine sand  
 38  
 39 blue clay  
 40  
 coarse sand

