

**IOWA STATE DEPARTMENT OF HEALTH
DIVISION OF PUBLIC HEALTH ENGINEERING AND INDUSTRIAL HYGIENE**

GROUND WATER

Town Anita County Cass Date Mar. 5 1922

WELL NO. (Deep Well) Active Standby Abandoned Replaced by No. _____

LOCATION: Street Victory Park Sec. _____ T. _____ N.R. _____ East: West _____
North west of Anita Lot _____ Block _____ Township _____

OWNERSHIP Municipal Date Installed May 17 1921

CONTRACTOR H. H. Brown Address Blair, Nebraska

DATE RECONDITIONED _____ 19 _____ Contractor _____ Address _____

CONSTRUCTION EMPLOYED: 8" drilled well - 216' deep - 200' casing

CURB ELEVATION 1333 REFERENCE Back land RR

TYPE OF CONSTRUCTION Drilled Depth 216 ft. Diameter 8 in.

CASING: Material _____ Condition _____

SCREEN: Material Johnson everdur Length 15 ft. Diameter 8 in. Slot Opening 1/16 in.

WELL SEALED Yes How Concrete around casing Approved _____

WELL VENTED Yes How In pump base Approved Yes

TYPE OF PUMP Turbine Make Romona Capacity 100 GPM Lubricated Water

DEPTH TO CYLINDER 130 ft. Tall Pipe _____

PUMP CONTROL: Manual _____ Automatic Semi-Automatic _____

STATIC LEVEL _____ ft. Pumping Level _____ ft. Drawdown _____ ft.

OPTIMUM SPECIFIC YIELD _____ GPM. Drawdown _____ ft. Time _____ hrs.

RATE OF DRAWDOWN _____ Rate of Recovery _____

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

DRAWDOWN GAUGE INSTALLED No

TOPOGRAPHICAL POSITION OF WELL Upland Flat

WELL SITE INVESTIGATED _____ Approved Yes Why not _____

WELL CONSTRUCTION REVIEWED _____ Approved _____ Why not _____

PIT CONSTRUCTION: Purpose No Size and Description _____

CONDITION: _____ Drainage Facilities _____

PUMP INSTALLATION: Approved Yes Why Not _____

CUTTINGS FROM WELL PRESERVED: _____ Where _____

DEPTH TO BED ROCK 216 Depth to Water-bearing Stratum _____

SOURCE OF WATER: Principal Formation Dakota sandstone Other _____

Total Hardness 200 ppm. Total Iron 0.0 ppm. Sulfates _____ ppm. Fluorine 0.0 ppm.

Manganese 0.8 ppm. pH 7.1 CO₂ _____ ppm.

REMARKS: _____

GEOLOGICAL DATA		CASING DATA	WELL DATA	
Formation	Material and distance from surface in ft.	Position, kind and extent of casing, liners, shoes, etc.	Scale: Horizontal <u>2"</u> Vertical <u>3'</u>	Position of seals, screens, static level, etc.

clay & drift	176'	
Dakota shale	4'	
Dakota sandstone	36'	
Limestone @	216'	

