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

GROUND WATER

Town Harcourt County Webster Date 1/4 19 46

WELL NO. 1 Active Yes Standby Abandoned Replaced by No.

LOCATION: Street N.W. part of town Sec. T N.R. East: West

Lot Block Township

OWNERSHIP Municipal Date Installed 1939

CONTRACTOR McCutcheon Well Co. Address Des Moines, Iowa

DATE RECONDITIONED March 1944 Contractor local Address

CONSTRUCTION EMPLOYED: Deep well drilled

El. 1156.4 - Top South rail .6 mile northwest at Chicago

CURB ELEVATION REFERENCE N.W. crossing

TYPE OF CONSTRUCTION Drilled Depth 1147 ft. Diameter 8 in.

CASING: Material W.I. Condition Good

SCREEN: Material Length ft. Diameter in. Slot Opening in.

WELL SEALED Yes How Concrete pedestal built around casing Approved Yes

WELL VENTED Yes How Screen vent in pump base Approved Yes

TYPE OF PUMP V-turbine Make angle drive Capacity 25 GPM Lubricated Oil

DEPTH TO ~~CYLINDER~~ 250 ft. Tail Pipe (1) ft.

PUMP CONTROL: Manual Yes Automatic Semi-Automatic

STATIC LEVEL 110 ft. Pumping Level 162 ft. Drawdown 52 ft.

OPTIMUM SPECIFIC YIELD GPM Drawdown ft. Time 2hrs. 5 min hrs.

RATE OF DRAWDOWN Rate of Recovery Slow

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

DRAWDOWN GAUGE INSTALLED Yes

TOPOGRAPHICAL POSITION OF WELL High -- flat

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 Other

DATE RECONDITIONED March 1944 Contractor local Address

CONSTRUCTION EMPLOYED: Deep well drilled

CURB ELEVATION REFERENCE R.R. crossing

TYPE OF CONSTRUCTION Drilled Depth 1147 ft. Diameter 8 in.

CASING: Material W.I. Condition Good

SCREEN: Material Length ft. Diameter in. Slot Opening in.

WELL SEALED Yes How Concrete pedestal built around casing Approved Yes

WELL VENTED Yes How Screen vent in pump base Approved Yes

TYPE OF PUMP Y-turbine Make angle drive Capacity Gal. GPM Lubricated Oil

DEPTH TO ~~CYLINDER~~ 250 ft. Tail Pipe (1) ft.

PUMP CONTROL: Manual Yes Automatic Semi-Automatic

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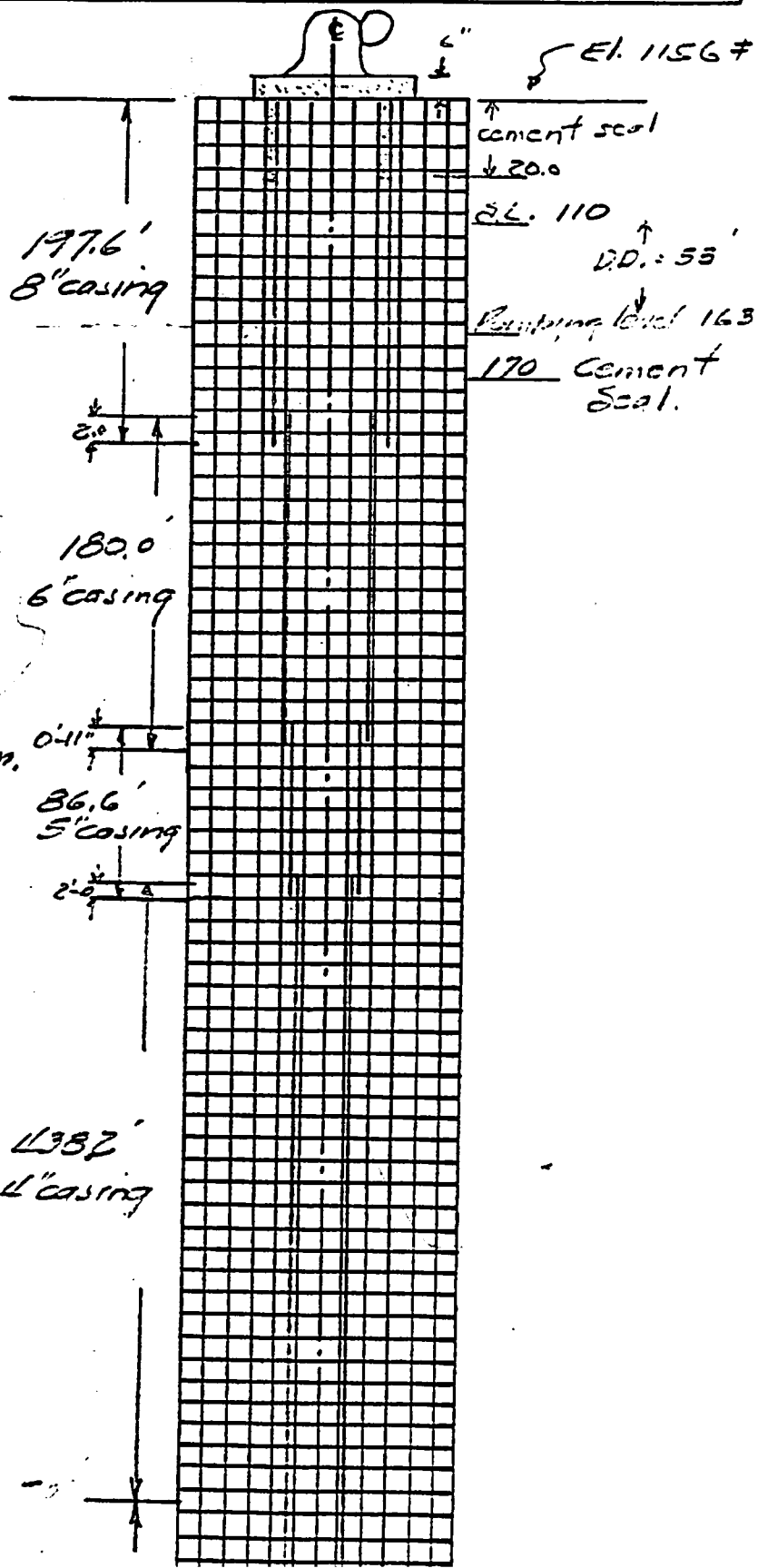
SOURCE OF WATER: Principal Formation Other

Total Hardness ppm. Total Iron ppm. Sulfates ppm. Fluorine ppm.

Manganese ppm. pH CO₂ ppm.

REMARKS: Test data: Test started 12:00 a.m. June 24, 1939 and ended 12:00 a.m. June 25, '39. Pumped at rate of 30 g.p.m. Complete recovery in 2 hrs. and 5 min.

GEOLOGICAL DATA			CASING DATA	WELL DATA	
Formation	Material and distance from surface in ft.	Series	Position, kind and extent of casing, liners, shoes, etc.	Scale: Horizontal ____ Vertical ____	Position of seals, screens, static level, etc.
Quat'y - 0	To 180				
Green Shale, Fossil Sand Stone	180-375				
Undifferentiated White Lime Stone, Sand Stone, Shale	375-675				
Hard Tan-Brown Shale	675-775				
Cretaceous Shale	775-845				
Coal Beds - Some Shale	845-1090				
Cedar Mountain Formation Shale and Sandstone					



Oct 14-54
315 → Bottom of cement plug
515 → Top of cement plug
Then clean to within 15' of bottom & then commence drilling.