

GROUND WATER

Town Shelby County Shelby Date January 12, 19 52

WELL NO. 4 Active..... Standby..... Abandoned..... Replaced by No.....

LOCATION: Street..... Sec. 33 T..... N.R..... East: West

Lot..... Block..... Township Shelby

OWNERSHIP Municipal Date Installed March 31, 19 51

CONTRACTOR Layne Western Company Address 4430 Commercial Avenue, Omaha, Nebr.

DATE RECONDITIONED..... 19..... Contractor..... Address.....

CONSTRUCTION EMPLOYED: Reverse hydraulic

CURB ELEVATION..... REFERENCE.....

TYPE OF CONSTRUCTION Gravel pack Depth 103 ft. Diameter 8 in.

CASING: Material 8" Std. Steel Pipe Condition New

SCREEN: Material Keystone Bronze Length 20 ft. Diameter 8 in. Slot Opening..... in.

WELL SEALED Yes How Puddled clay ft.(?) Approved.....

WELL VENTED Yes How Pipe screwed in pump base Approved.....

TYPE OF PUMP V. Turbine Make Pomona Capacity 10 GPM Lubricated Water

DEPTH TO CYLINDER 80 ft. Tail Pipe 17 ft.

PUMP CONTROL: Manual..... Automatic X Semi-Automatic.....

STATIC LEVEL 34 ft. Pumping Level 50 - 100 Bottom of well ft. Drawdown 60 ft.

OPTIMUM SPECIFIC YIELD..... 10 GPM Drawdown same ft. Time 8 hrs.

RATE OF DRAWDOWN..... Rate of Recovery.....

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

DRAWDOWN GAUGE INSTALLED Yes

TOPOGRAPHICAL POSITION OF WELL Lowland

WELL SITE INVESTIGATED Yes Approved..... Why not.....

WELL CONSTRUCTION REVIEWED Yes Approved..... Why not.....

PIT CONSTRUCTION: Purpose None Size and Description.....

CONDITION:..... Drainage Facilities.....

PUMP INSTALLATION: Approved Yes Why Not.....

CUTTINGS FROM WELL PRESERVED: No Where.....

DEPTH TO BED ROCK ? Depth to Water-bearing Stratum 100'

SOURCE OF WATER: Principal Formation Glacial Deposit Sand Other.....

Total Hardness 403 ppm. Total Iron None ppm. Sulfates 93.0 ppm. Fluorine 0.35 ppm.

Manganese None ppm. pH 6.9 CO₂..... ppm.

REMARKS: Mineral sample collected 10-8-51

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.
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0 - 4 Black Top Soil

4 - 60 Brown Clay

60 - 84 Yellow Clay

84 - 90 Sandy Clay

90 - 97 Sand, Boulder & Clay

97 - 100 Blue Clay

100 - 103 Fine Sand

