

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

GROUND WATER

Town: Silver City County: Mills Date: May 1969
 WELL NO. 2 Active Standby Abandoned Replaced by No. _____
 LOCATION: Street Lynn & 5th Sec. 23 T. 73N N.R. 42W East: West _____
 Lot _____ Block _____ Township _____
 OWNERSHIP: Municipal Date Installed: Spring 1963
 CONTRACTOR: Layne-Western Address: Omaha, Nebr.
 DATE RECONDITIONED: _____ 19____ Contractor: _____ Address: _____
 X CONSTRUCTION EMPLOYED: ~~Asst. Street Packed~~

CURB ELEVATION _____ REFERENCE _____
 TYPE OF CONSTRUCTION: Drilled - Gravel Packed Depth: 54 ft. Diameter _____ in.
 CASING: Material: Steel Condition _____
 SCREEN: Material: Stainless Steel Length: 7 1/2 ft. Diameter: 8 in. Slot Opening _____ in.
 WELL SEALED: yes How _____ Approved _____
 WELL VENTED: yes How _____ Approved _____
 TYPE OF PUMP: turbine Make: Layne Capacity: 50 GPM Lubricated water

X DEPTH TO CYLINDER _____ ft. Tail Pipe _____ ft.
 PUMP CONTROL: Manual Automatic _____ Semi-Automatic _____
 STATIC LEVEL: 16.5 ft. Pumping Level: approx. 21 ft. Drawdown: 4.5 ft.
 OPTIMUM SPECIFIC YIELD: 28.5 @ 140 gpm Drawdown _____ ft. Time _____ hrs.

RATE OF DRAWDOWN _____ Rate of Recovery _____
 X TEMPERATURE OF WATER: 14 °C Where Measured _____ Temp. of Atmosphere _____ °F
 DRAWDOWN GAUGE INSTALLED: yes
 TOPOGRAPHICAL POSITION OF WELL: good - level ground - immediate area built up
 WELL SITE INVESTIGATED: yes Approved Why not _____
 WELL CONSTRUCTION REVIEWED: yes Approved Why not _____
 PIT CONSTRUCTION: Purpose _____ Size and Description _____

CONDITION: _____ Drainage Facilities _____
 PUMP INSTALLATION: Approved _____ Why Not _____
 CUTTINGS FROM WELL PRESERVED: Where: I.S.G.S.
 DEPTH TO BED ROCK: 50 ft. Depth to Water-bearing Stratum: Approx. 45
 SOURCE OF WATER: Principal Formation _____ Other _____

Total Hardness _____ ppm. Total Iron _____ ppm. Sulfates _____ ppm. Fluorine _____ ppm.
 Manganese _____ ppm. pH _____ CO₂ _____ ppm.

REMARKS: _____

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 <u>1</u> Vertical <u>2</u>	Position of seals, screens, static level, etc.

Pleistocene

Pennsylvanian

top soil

10'

loess

30'

sand & Gravel

40'

loess

45'

Sand & Gravel

50'

Shale

55'

3 7/8" - 8" casing

7 1/2" screen

