

Town Dysart County Tama Date Sept. 19 1946

WELL NO. 2 Active Standby X Abandoned Replaced by No.

LOCATION: Street Sec. 13 (NE 1/4 SW 1/4 SE 1/4) N.R. 13 1/4 West

Lot Block Township Clark

OWNERSHIP Dysart Date Installed Jan to Nov. 1944

CONTRACTOR: Thorpe Bros. Well Co. Address Des Moines

DATE RECONDITIONED 19 Contractor Address

CONSTRUCTION EMPLOYED: Drilled. 218' - 6" of 16" steel pipe from 41 to 217'-6" set in 20" hole & cemented from bottom to top. 165'-5" of 12" steel pipe from 536' to 700'.

164'-1" of 10" steel pipe from 577' to 840'. 430'-10" of 8" steel pipe from 818' to 1245'

Open 8" hole from 1245' to 1804'-7".
CURB ELEVATION 970.9 REFERENCE I.G.S.

TYPE OF CONSTRUCTION Drilled Depth 1808 ft Diameter 16 in

CASING: Material Steel Condition Excellent

SCREEN: Material None Length ft Diameter in Slot Opening in

WELL SEALED No How Approved

WELL VENTED No How Approved

TYPE OF PUMP None Make Capacity GPM Lubricated

DEPTH TO CYLINDER ft Tail Pipe ft

PUMP CONTROL: Manual Automatic Semi-Automatic

STATIC LEVEL 133 ft. Pumping Level ** ft. Drawdown ft

OPTIMUM SPECIFIC YIELD GPM Drawdown H. Time hrs

RATE OF DRAWDOWN Rate of Recovery

TEMPERATURE OF WATER 54 °F Where Measured Test Pump Temp. of Atmosphere °F

DRAWDOWN GAUGE INSTALLED: Not set

TOPOGRAPHICAL POSITION OF WELL Level Highland

WELL SITE INVESTIGATED Yes Approved Yes Why not

WELL CONSTRUCTION REVIEWED Yes Approved Yes *** Why not

PIT CONSTRUCTION: Purpose None Size and Description

CONDITION: Drainage Facilities

PUMP INSTALLATION: Approved Why Not

CUTTINGS FROM WELL PRESERVED: Yes Where I.G.S.

DEPTH TO BED ROCK 184 Depth to Water-bearing Stratum

SOURCE OF WATER: Principal Formation Jordan Other

Total Hardness 864 to 1037 ppm. Total Iron 3.0-6.5 ppm. Sulfates 688 - 894 ppm. Fluorine 1.8 to 2.2 ppm.

Manganese 0.0 to 0.04 ppm. pH 7.1 to 7.6. CO₂ ppm.

REMARKS: * Permanent installation not yet provided.

** Pumping level 309.2 @ 257 G.P.M.

*** When satisfactory pump is installed

**** Analyses show wide variation.

A. R. Keen

GEOLOGICAL DATA			CASING DATA	WELL DATA	
Formation	Material and distance from surface in ft.	Strata	Position, kind and extent of casing, liners, shoes, etc.	Scale: Horizontal 1" = 2' Vertical 1" = 30'	Position of seals, screens, static level, etc.

	0' 10'	Loess soil
	160' 185'	Till, gravelly, highly pebbly dolomite pebbles Sand & gravel
Devonian		Shale & Dolomite Cedar Valley
	422' 475'	Dolomite, chert Wapsipinicon
Silurian		chert, dolomite & clay
Ordovician	641'	Shale, Dolomite Maquoketa
	700'	Limestone, Dolomite, Chert, Shale Galena
	1075' 1125'	Limestone, shale Decorah
	1175'	Limestone, shale Specht Ferry
	1225'	Sandstone St Peter
		Dolomite, Sandstone Willow Run
	1381'	Dolomite, Chert
Cambrian	1675'	Dolomite, Sandstone Jordan
	1725'	Dolomite St Lawrence

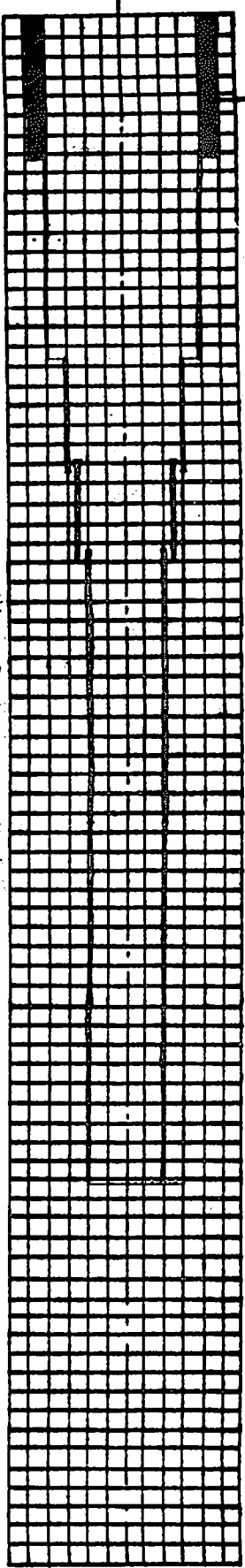
218'-6" steel pipe from +1 to 217'-6" set in 20" hole & cemented from bottom to top

165' of 12" steel pipe from 536' to 700'

164'-1" of 10" steel pipe from 867' to 840'

430' of 3" steel pipe from 818' to 1245'

Open 8" hole from 1245' to 1504'-7"



static level: 133'