

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

GROUND WATER

Town Irwin County Shelby Date June 11, 1957

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

LOCATION: 95' South of Hwy 268 Sec. T N.R. _____ East: West _____
4 blocks W. of Main St. Lot _____ Block _____ Township _____

OWNERSHIP Municipal Date Installed January 1946

CONTRACTOR Lynco-Western Address Omaha, Nebraska

DATE RECONDITIONED _____ 19____ Contractor _____ Address _____

CONSTRUCTION EMPLOYED: _____

CURB ELEVATION _____ REFERENCE _____

TYPE OF CONSTRUCTION Gravel-pack Depth 54' ft. Diameter _____ in.

CASING: Material Steel (Arco) Condition _____

SCREEN: Material Arco Length 10 ft. Diameter 16" in. Slot Opening _____ in.

WELL SEALED _____ How _____ Approved _____

WELL VENTED _____ How _____ Approved _____

TYPE OF PUMP _____ Make _____ Capacity _____ GPM Lubricated _____

DEPTH TO CYLINDER _____ ft. Tail Pipe _____ ft.

PUMP CONTROL: Manual _____ Automatic _____ Semi-Automatic _____

STATIC LEVEL 17'10" ft. Pumping Level 22'10" @ 65 GPM ft. Drawdown 15 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 _____

TOPOGRAPHICAL POSITION OF WELL _____

WELL SITE INVESTIGATED _____ Approved _____ Why not _____

WELL CONSTRUCTION REVIEWED _____ Approved _____ Why not _____

PIT CONSTRUCTION: Purpose _____ Size and Description _____

CONDITION: _____ Drainage Facilities _____

PUMP INSTALLATION: Approved _____ Why Not _____

CUTTINGS FROM WELL PRESERVED: _____ Where _____

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

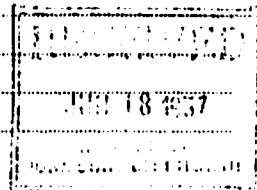
SOURCE OF WATER: Principal Formation _____ Other _____

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

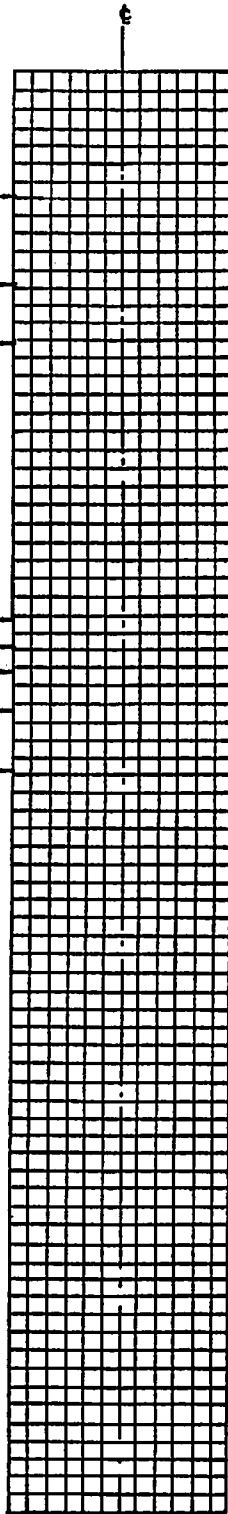
Manganese _____ ppm. pH _____ CO₂ _____ ppm.

REMARKS: _____

Computed by M.B.P. from information in files.



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.
			Black Soil 0'		
			Yellow Clay 15'		
			Blue Clay 19'		
			Sand Boulders 20'		
			Blue Clay 20'		
			Sand Gravel 22'		
			Packed Sand 25'		
			Coarse Sand, Gravel 29'		



Wats

Sent Gole

PH 578

DIVISION OF PUBLIC HEALTH ENGINEERING

Subject Drain - Well information Date _____
Sent Geological Survey

Reviewed by _____ Checked _____ Sheet _____ of _____ Sheets

1. Drain
 386' east of creek 95' south of No 2684 block west of
 main street
 19' washing days completed 1-15-46
 10' of 16" ^{1/2} inch screen of concrete
 45" of 16" single casing of concrete with riveted joints
 17' of gravel used
 Pump 5" 9 staged
 2" ^{1/2} by 3/4" by 4" 7 in reading
 Pumping the 8 h 65 gpm 17-10" to flow 15' drawdown
 (water level) 1/4" still of water
 Depth of well (from ground to flow) 49'

0-8	Black soil
8-15	yellow clay
15-19	blue clay
19-38	hard ball clay
38-40	blue clay
40-42	hard gravel
42-45	black sand
45-49	Coarse sand gravel
49-53	blue clay

Letter Board to Winton Feb 1946
 wells using 12" casing or less standard pipe, should be of all
 12" and above riveted casing. Ings 6 gage 13/16" - 20"
 length of 5' with 4-5' width at each connection.
 length of 10' with 4-5' width at each connection.
 length of 20' with 4-5' width at each connection.
 length of 30' with 4-5' width at each connection.
 length of 40' with 4-5' width at each connection.
 length of 50' with 4-5' width at each connection.
 length of 60' with 4-5' width at each connection.
 length of 70' with 4-5' width at each connection.
 length of 80' with 4-5' width at each connection.
 length of 90' with 4-5' width at each connection.
 length of 100' with 4-5' width at each connection.
 length of 110' with 4-5' width at each connection.
 length of 120' with 4-5' width at each connection.
 length of 130' with 4-5' width at each connection.
 length of 140' with 4-5' width at each connection.
 length of 150' with 4-5' width at each connection.
 length of 160' with 4-5' width at each connection.
 length of 170' with 4-5' width at each connection.
 length of 180' with 4-5' width at each connection.
 length of 190' with 4-5' width at each connection.
 length of 200' with 4-5' width at each connection.
 length of 210' with 4-5' width at each connection.
 length of 220' with 4-5' width at each connection.
 length of 230' with 4-5' width at each connection.
 length of 240' with 4-5' width at each connection.
 length of 250' with 4-5' width at each connection.
 length of 260' with 4-5' width at each connection.
 length of 270' with 4-5' width at each connection.
 length of 280' with 4-5' width at each connection.
 length of 290' with 4-5' width at each connection.
 length of 300' with 4-5' width at each connection.
 length of 310' with 4-5' width at each connection.
 length of 320' with 4-5' width at each connection.
 length of 330' with 4-5' width at each connection.
 length of 340' with 4-5' width at each connection.
 length of 350' with 4-5' width at each connection.
 length of 360' with 4-5' width at each connection.
 length of 370' with 4-5' width at each connection.
 length of 380' with 4-5' width at each connection.
 length of 390' with 4-5' width at each connection.
 length of 400' with 4-5' width at each connection.
 length of 410' with 4-5' width at each connection.
 length of 420' with 4-5' width at each connection.
 length of 430' with 4-5' width at each connection.
 length of 440' with 4-5' width at each connection.
 length of 450' with 4-5' width at each connection.
 length of 460' with 4-5' width at each connection.
 length of 470' with 4-5' width at each connection.
 length of 480' with 4-5' width at each connection.
 length of 490' with 4-5' width at each connection.
 length of 500' with 4-5' width at each connection.