

Town 1 civil County Dickinson Date October 20 19 65  
WELL NO. 2 Active X Standby \_\_\_\_\_ Abandoned \_\_\_\_\_ Replaced by No. \_\_\_\_\_  
LOCATION: Street Adjacent to AND North Sec. 16 T. 98 N.R. 35 East: West  
of MAIN Street, Approx. 100 feet west Lot \_\_\_\_\_ Block 2 Township Maulsby  
West of Iowa Highway, 203, Condition \_\_\_\_\_  
OWNERSHIP Municipal Date Installed Fall 19 47  
CONTRACTOR Hayne Western Co. Address Ames, Iowa  
DATE RECONDITIONED \_\_\_\_\_ 19 \_\_\_\_\_ Contractor Hayne Western Co. Address Ames, Iowa  
CONSTRUCTION EMPLOYED: \_\_\_\_\_

CURB ELEVATION 100 REFERENCE \_\_\_\_\_  
TYPE OF CONSTRUCTION Drilled, Gravel pack Depth 112 ft. Diameter 8" in.  
CASING: Material 8" 28# black steel Condition \_\_\_\_\_  
SCREEN: Material George Hayne shutter screen Length 20 ft. Diameter 8" in. Slot Opening \_\_\_\_\_ in.  
WELL SEALED Yes How 6 inches cement grout for 20 ft. Approved Yes  
WELL VENTED Yes How 3/4" screened turned pipe Approved NO  
TYPE OF PUMP Turbine Make Hayne Western Capacity 150 GPM Lubricated grease  
DEPTH TO CYLINDER 100 ft. Tail Pipe 5 ft.  
PUMP CONTROL: Manual X Automatic ✓ Semi-Automatic \_\_\_\_\_  
STATIC LEVEL \_\_\_\_\_ ft. Pumping Level \_\_\_\_\_ ft. Drawdown \_\_\_\_\_ ft.  
OPTIMUM SPECIFIC YIELD 150 GPM Drawdown \_\_\_\_\_ ft. Time \_\_\_\_\_ 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 level land  
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 \_\_\_\_\_ Why Not \_\_\_\_\_  
CUTTINGS FROM WELL PRESERVED: \_\_\_\_\_ Where \_\_\_\_\_  
DEPTH TO BED ROCK SPED Depth to Water-bearing Stratum \_\_\_\_\_  
SOURCE OF WATER: Principal Formation SAND AND GRAVEL Other \_\_\_\_\_

Total Hardness 470 ppm. Total Iron 1.4 ppm. Sulfates 113 ppm. Fluorine 0.4 ppm.  
Manganese 0.23 ppm. pH 7.2 CO<sub>2</sub> \_\_\_\_\_ 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:<br>Horizontal _____<br>Vertical _____ | Position of seals, screens, static level, etc. |

|             |                 |  |
|-------------|-----------------|--|
| 2'          | Topsoil         |  |
| 2' to 18'   | Yellow Clay     |  |
| 18' to 43'  | Blue Clay       |  |
| 43' to 52'  | Fine Sand       |  |
| 52' to 64'  | Yellow Clay     |  |
| 64' to 88'  | Blue Clay       |  |
| 88' to 112' | Sand and Gravel |  |

