

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

GROUND WATER

Town Le Mars County Plymouth Date September 19 1966

WELL NO. 5 Active ☒ Standby ☐ Abandoned ☐ Replaced by No.

LOCATION: Street Approx. 300 ft. North Sec. 9 T. 92 N.R. 45 East: West
East of Well No. 4 Lot. 3 Block Township AMERICA

OWNERSHIP Iowa Public Service Co. Date Installed July 8 1954

CONTRACTOR Hayne Western Co. Address Omaha, Nebraska

DATE RECONDITIONED 19 Contractor Address

CONSTRUCTION EMPLOYED:

CURB ELEVATION REFERENCE

TYPE OF CONSTRUCTION Drilled, Gravel Pack Depth 112 ft. Diameter 16 in.

CASING: Material Steel Condition New Wall Thickness 0.344

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

WELL SEALED Yes How Clay pack 9" thick Approved Yes

WELL VENTED Yes How Two 3/4" vents Approved No - Not true

TYPE OF PUMP Turbine Make Hayne Western Capacity 750 GPM Lubricated Yes

DEPTH TO CYLINDER ft. Tail Pipe ft.

PUMP CONTROL: Manual ☐ Automatic ☒ Semi-Automatic ☐

STATIC LEVEL 39 ft. Pumping Level 54 ft. Drawdown 15 ft.

TEST PUMPED 650 GPM Drawdown 15 ft. ft. Time 4 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

WELL SITE INVESTIGATED Yes Approved Yes Why not

WELL CONSTRUCTION REVIEWED Approved Why not

PIT CONSTRUCTION: Purpose None Size and Description

CONDITION: Drainage Facilities

PUMP INSTALLATION: Approved Yes Why Not

CUTTINGS FROM WELL PRESERVED: Where

DEPTH TO BED ROCK Depth to Water-bearing Stratum

SOURCE OF WATER: Principal Formation SAND & GRAVEL Other

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.

Top Soil	0' to 2½'				
Clay	2½' to 7'				
Fine to Med. Sand	7' to 13'				
Sand and Gravel	13' to 44'				
Blue Clay Medium Hard	44' to 78'				
Brown Clay Few Rocks	78' to 82½'				
Sand and Gravel Few Boulders	82½' to 104'				
Fine Sand Black	104' to 108'				
Blue Clay	108' to 112'				

