

GROUND WATER

Town Le Mars County Plymouth Date 11 January 1971

WELL NO. 7 Active ☒ Standby ☐ Abandoned ☐ Replaced by No.

LOCATION: Street Approximately 300 ft. east of Well No. 6. Sec. 20 T. 92 N.R. 45 East: West

Lot Block Township American

OWNERSHIP Iowa Public Service Co. Date Installed X 11-12 19 69

CONTRACTOR Hayne-Western Co. Address Omaha, Nebraska

DATE RECONDITIONED 19 Contractor Address

CONSTRUCTION EMPLOYED:

CURB ELEVATION REFERENCE

TYPE OF CONSTRUCTION X Cemented upper casing (24" to 22 1/2" Depth) X 354 ft. Diameter 28" to 230"
Inner: 20 1/2" S.S.
Outer: 23 1/2" 24" Steel Condition X New

CASING: Material Steel Length X 114 ft. Diameter X 12 ID in. Slot Opening X 1/16 in.

SCREEN: Material X Stainless Steel Length X 114 ft. Diameter X 12 ID in. Slot Opening X 1/16 in.

WELL SEALED YES How 3/16" stainless steel plate Approved Cement Grout

WELL VENTED X Yes How X Return Bend - Screened Approved Yes

TYPE OF PUMP Turbine Make Hayne Capacity X 900 GPM Lubricated water

DEPTH TO CYLINDER X 200 ft. Tail Pipe X 10' of 8" suction ft.

PUMP CONTROL X Manual Automatic X Semi-Automatic

STATIC LEVEL X 96' 9" ft. Pumping Level X 163' 9" ft. Drawdown 67' ft.

OPTIMUM SPECIFIC YIELD GPM Drawdown ft. Time hrs.

RATE OF DRAWDOWN Rate of Recovery

TEMPERATURE OF WATER 52 °F Where Measured Sampling Tap Temp. of Atmosphere 0 °F

DRAWDOWN GAUGE INSTALLED Yes

TOPOGRAPHICAL POSITION OF WELL

WELL SITE INVESTIGATED Yes Approved Yes Why not

WELL CONSTRUCTION REVIEWED Yes Approved Yes Why not Notice No. 69-53-W

PIT CONSTRUCTION: Purpose Not Applicable Size and Description

CONDITION: Drainage Facilities

PUMP INSTALLATION: Approved Why Not

CUTTINGS FROM WELL PRESERVED X Yes Where X Geo. Survey

DEPTH TO BED ROCK Depth to Water-bearing Stratum

SOURCE OF WATER: Principal Formation X Sandstone Other X

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

RECEIVED

FEB 24 1971

Regional Health Service No. 3
Iowa State Department of Health
Spencer, Iowa

CONTRACT Iowa Public Service - LeMars, Iowa Well No. 7

Log of well from ground level:

Feet	Feet	Formation
0'	17'	Brown clay
17'	29'	Coarse sand
29'	48'	Blue clay
48'	73'	Coarse sand and gravel
73'	136'	Blue shale, limestone streaks
136'	144'	Limestone
144'	228'	Blue shale, sandstone streaks
228'	305'	Sandstone, fine
305'	307'	Shale
307'	354'	Sandstone, fine to medium

RECEIVED

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Regional Health Service No. 3
Iowa State Department of Health
Spencer, Iowa

