68021

PWTS Permit No.

Iowa Department of Natural Resources - Geological Survey PWTS Well No. County Permit No. 109 Trowbridge Hall, Iowa City, IA 52242-1319 PH (319) 335-1575 Reverse Circulation Rotary Site identification City of **Drill method R** rotary □ auger □ cable We 11 Property Owner Fort Madison Other ID # 7 Hole size hole size continued Address 2489 280th St. Fort Madison *36* inch to / 79tt from 0 ft inch from inch inch from 179 tt Date completed 6 / 19 / 09 Well Depth Record all depth measurements from ground level (GL). Use (+) for above GL measurements. Location County ee Casino Orive shoe (yes (10)) Pitiess adapter (yes) no) Size (ID/OD) Type / Wt Depth top | Depth bottom | Amount (length) _mi. N and ____mi. E of intersection of ____ and _ 164 0.0. Steel .375 123 126 ___1/4 of Sec____TWP____ _1/4 of the_ GPS Coordinates (NAD83 datum only) decimal degrees: 40.5625 91.4375 N. Latitude W. Longitude, Perforated or slotted casing? (yes 100) Show exact location of well in section grid with a dot (•). Sketch map of well location on property. Perforated / slotted from Perforated / slotted Casing grouted? (yes)/no) Placement method Tremie-Pun Depth top Depth bottom Amount (vol/wt) Neat Cen 200 ft <u>Bentenite Sea</u> Well screen? (Vest/no) □ upland □ htiside □ valley ★ level surface Elevation (if known) Diameter Slot size Depth top | Depth bottom **Formation log** 16" 0.040 Color Hardness Formation description si 1+ with Stainless Steel Bottom capped (yes) no) 20 Seals / Packers (yes 100) Gravel packed (yes) no) type Red Flint # 40 amount 59,000 16. Blue Well developed? (Vesy no) then test-pumped Explain Airliffe (pumped, dirlifted bailed) for ______ Pump installed? (yes (10) installer's name 170 Type of pump Depth to intake ___ Rated capacity_ Pump diameter 170 179 Water information Aquifer: Sand / gravel | limestone | sandstone Main water-supply zone from 123 ft to 179 ft □ seepage well Static water level 33 *(Delow) above) GL; Chape Cairline Se-line Cestimate Pumping water level 57 tt below GL; □tape □ airline ŒE-line □ estimate At yield of 10 56 GPM; Parorifice Ovolumetric Destinate for 24 hours use additional sheets as needed 8:00 (AM) PM) Date 7/15/09 Measurements taken at Remarks (including depth of lost drilling fluids, materials, or tools) Water quality test? (vesy no) All measurements from organal ground level. Date tested 7/14/09 Cahoy Pump Service Inc. Add 15' for berm and pitless adapter. Well use Contractor Cahoy Pumo Service, Inc. ☐ Heat pump Commercial Municipal
Public supply □ Domestic ☐ Monitoring Ten St. Fredericks burg IA 506 30 ☐ Livestock Other. ☐ Test well □ Infgation Certification no. 82