68022**WELL RECORD** PWTS Permit No. lowa Department of Natural Resources - Geological Survey PWTS Well No. County Permit No. 109 Trowbridge Hall, Iowa City, IA 52242-1319 PH (319) 335-1575 CREverse Circulation Rotary Site identification City of **Drill method R** rotary □ auger □ cable well Property Owner Fort Madison Other ID <u># 8</u> **Hole size** hole size continued Address 2489 280th St. Fort Malison, IA 36 Inch from 0 ft to / 74tt inch from _ _ft Tenant Inch Well Depth 174 Date completed 7 / 7 / 09 Record all depth measurements from ground level (GL). Use (+) for above GL measurements. Location County ee Casino Orive shoe (yes 100) Pittess adapter (ves) no) Size (ID/OD) Depth top Type / Wt Depth bottom Amount (length) _mi. s and ____mi. c of intersection of ____ 16" 0.0. Steel .375 129 131 1/4 of the ____1/4 of Sec____TWP GPS Coordinates (NAD83 datum only) decimal degrees: 40.5589 91.4403 N. Latitude 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? (VES)/ no) Placement method Tremie-Puno Depth top Depth bottom Amount (voi/wt) Neat Come ጸ′ 120 820 bags 200 ft Bentonae Seal 120 18 baps Well screen? (vest/no) upland in hillside valley interest surface. Elevation (if known) Diameter 1 Slot size Depth top Depth bottom (Material Formation for Starnless 164 0.<u>05</u>0 129 From Hardness Formation description Brown Fine Silty sand Bottom capped (Yes) no) with Stainless Steel 19 76 Brown Fine to medaum to Seals / Packers (yes 100) Coarse sand 123 174 Gravel packed (yes) no) Brown 76 type Red Flint 50 89 amount 45,000/6s. Well developed? (1857 no.) Gran Explain Airliffed 104 (pumped, etrlifted, balled) for ____ Pump installed? (yes mo) installer's name Fine sand oravel Type of pump ___ Depth to intake Pump diameter Rated capacity 132 Water information 159 Aquifer: sand/gravel limestone sandstone Main water-supply zone from 129 ft to 174 ft seepage well 174 Limestone Static water level ________f___f___felow_xabove) GL; _______ tape ___airline _____estimate Pumping water level 46 ft below GL: □tape □ airline □E-line □ estimate At yield of 1056 GPM; Sorifice Ovolumetric Oestimate for 24 hours use additional sheets as needed Measurements taken at 4:00 (AM/M) Date 7/21/09 Remarks (including depth of lost drilling fluids, materials, or tools)
All measurements from original ground level. Water quality test? (vesy no) Date tested 7 / 21/ 09 Add 12' for bermand pitless adapter. Tested by Cahon Pump Service, Inc-Well use Contractor Cahou Pumo Service, Inc. ☐ Heat pump Commercial □ Demestic Municipal Municipal ☐ Monitoring Address 411 E. Main St. Fredericks burg IA 506 30

Driller Tony

Certification no. 82

☐ Other

Public supply

☐ Irrigation

☐ Livestock

☐ Test well