

WELL RECORD

76259

PWTS Permit No. 2012-035W

Iowa Department of Natural Resources - Geological Survey
109 Trowbridge Hall, Iowa City, IA 52242-1319 PH (319) 335-1575

PWTS Well No.
PWS # 6273901

County Permit No.

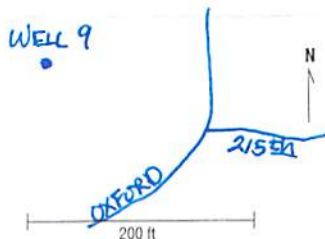
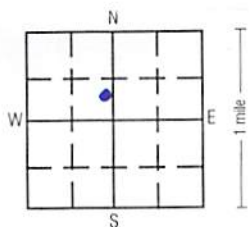
Site identification

Property Owner MAHASKA RURAL WATER Other ID 9-12
Address 401 B. AVE. WEST, OSKALOOSA, IA
Well Depth 54 ft Date completed 9/22/12

Location

County MAHASKA
1/8 mi N and 1/4 mi E of intersection of 215th ST. and OXFORD AVE.
NE 1/4 of the SE 1/4 of the NW 1/4 of Sec 76 TWP 15 E
GPS Coordinates (NAD83 datum only) decimal degrees:
41.345701 N. Latitude -92.594458 W. Longitude.

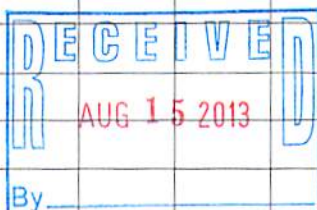
Show exact location of well in section grid with a dot (•). Sketch map of well location on property.



upland hillside valley level surface Elevation (if known)

Formation log

Table with 5 columns: From, To, Color, Hardness, Formation description. Rows include TOPSOIL, CLAY, FINE-MED. SAND, MED.-FINE SAND W/GRAVEL, GRAVEL W/COBBLES, MED. SAND W/COARSE GRAVEL, MED. SAND/COBBLES/GRAVEL.



Remarks (including depth of lost drilling fluids, materials, or tools)

Well use

- Domestic, Livestock, Test well, Heat pump, Municipal, Public supply, Irrigation, Commercial, Monitoring, Other

Drill method REVERSE Rotary auger cable other

Hole size 42 inch from 0 ft to 54 ft

Record all depth measurements from ground level (GL). Use (+) for above GL measurements.

Casing table with columns: Size (ID/OD), Type/Wt, Depth top, Depth bottom, Amount (length). Row: 24", 0.375", +14.2', 39', 53.2'

Perforated or slotted casing? (yes/no)
Perforated / slotted from ft to ft

Casing grouted? (yes/no) Placement method PRESSURE TREMIE
Table with columns: Type, Depth top, Depth bottom, Amount (vol/wt). Row: CEMENT GROUT, 0, 25', 6 CYD.

Well screen? (yes/no)
Table with columns: Diameter, Slot size, Depth top, Depth bottom, Length, Material. Row: 24", 0.080", 39', 54', 15', SST.

Bottom capped (yes/no) with SST. PLATE
Seals / Packers (yes/no) kind BENTONITE depth 25'-26' ft
Gravel packed (yes/no) from 26 ft to 54 ft amount 11 TONS

Well developed? (yes/no)
Explain SURGE PUMPED + BAILED (pumped, airlifted, bailed) for 12 hrs at VARIOUS GPM

Pump installed? (yes/no) Date 11/19/12
Installer's name DOOLING/DEXTER
Type of pump VERTICAL TURBINE Depth to intake 54 ft
Pump diameter 9" Rated capacity 500 GPM

Water information Aquifer: sand/gravel limestone sandstone
Main water-supply zone from 39 ft to 54 ft seepage well
Static water level 15.7 ft (below/above) GL; tape airline line estimate
Pumping water level 30.7 ft below GL; tape airline line estimate
At yield of 610 GPM; orifice volumetric estimate for 14.5 hours
Measurements taken at 4:00 (AM/PM) Date 10/18/12

Water quality test? (yes/no) Date tested / /

Contractor LAYNE CHRISTENSEN CO.
Address 2150 SE GATEWAY DR., STE. B, GRIMES, IA
Driller MARK LESLIE Certification no. 3684