12/28/2009 Novotny Well District

WELL RECORD

68519

PWTS Permit N _____

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

PWTS Well No.: _____

County Permit No 2010-0049W

Site Identification

Property Owner: MACBRIDE ESTATES CRAIG STARK Other ID: ____

Address 3986 HIGHWAY 382 NW, SOLON, IA 52333

Tenant _____

Well Depth: 450 ft Date Completed: 12/21/2009

Location

County JOHNSON COUNTY HEALTH DEPT.

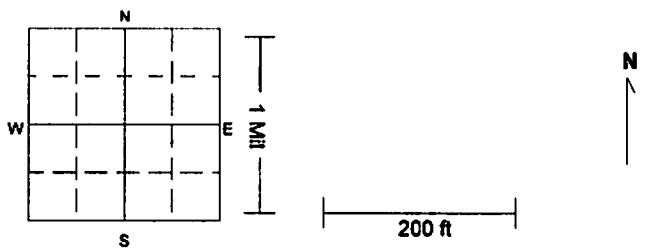
____mi. N/S and ____mi. E/W of intersection of _____ and _____

NW 1/4 of the SW 1/4 of the SW 1/4 of Sec 16 TW 81N RN 6W E/W

GPS Coordinateds (NAD83 datum only) decimal degrees:

_____ N. Latitude _____ W. Longitude.

Show exat 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

From	To	Color	Hardness	Formation description
0	26	YELLOW	SOFT	CLAY
26	60	BLUE	SOFT	CLAY
60	64	GRAY	SOFT	SAND
64	82	BLUE	SOFT	CLAY
82	86	GRAY	SOFT	SAND
86	102	BLUE	SOFT	CLAY
102	103	YELLOW	SOFT	BROKEN LIMESTONE
103	110	YELLOW	SOFT	SHALE
110	321	YELLOW	FIRM	LIMESTONE
321	447	GRAY	FIRM	LIMESTONE
447	450	GREEN	SOFT	SHALE

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

Well use
☐ Domestic ☐ Livestock ☐ Test Well
☐ Heat Pump ☐ Municipal ☒ Public Supply ☐ Irrigation
☐ Commerical ☐ Monitoring ☐ Other _____

Drill method ☑ rotary ☐ auger ☐ cable other _____

Hole size

15	inch	from	0 ft	t	121 ft	8	inch	from	250 ft	t	450 ft
10	inch	from	121 ft	t	250 ft		inch	from	ft	t	ft

Casing Drive shoe (yes/no) Pitless adaptor (yes/no)

Size (ID/OD)	Type/ Wt	Depth top	Depth bottom	Amount (length)
10	STEEL40	1	121	122
8	STEEL40	2	250	252

Perforated or slotted casing? ☐ Perforated casing ☐ Slotted casing

☐ Perforated ☐ Slotted from ft t ft

☐ Perforated ☐ Slotted from ft t ft

Casing grouted? ☑ Grouted Placement method: HALLIBURTON

Type	Depth top	Depth bottom	Amount (vol/wt)
CEMENT	0	121	80 BAGS
CEMENT	0	250	72 BAGS

Well Screen? ☐ Screen

Diameter	Slot size	Depth top	Depth bottom	Lenght	Material

Bottom Capped ☐ with

Seals/Packers ☐ kind depth ft

Gravel packed ☐ from to ft

type amount

Well developed? ☑ Well Developed

Explain

☐ pumped ☑ airlifted ☐ bailed for 2 hrs at 75 GPM

Pump installed? ☐ Pump Installed Date

Installer's Name

Type of Pump Depth to Intake ft

Pump diameter Rated Capacity GPM GPM

Water information ☐ Sand/gravel ☑ Limestone ☐ Sandstone

Main water-supply zone from 270 ft to 450 ft ☐ seepage well

Static water level 109 ft (below/above) G ☑ tap ☐ airline ☐ E-line ☐ estimate

Pump water level ft (below GL ☐ tape ☐ airline ☐ E-line ☑ estimate

At yield of 80 GPM: ☐ Orifice ☐ Volumetric ☑ Estimate for hours

Measurement taken at 3:00:00 PM Date 12/21/2009

Water quality test? ☐ Date

Tested by

Contractor name GINGERICH WELL .PUMP SERVICE, LLC

Adress 1331 HWY 1, KALONA, IA 52246

Driller JOE ALLEN Certification no. 1035

Send original form t Iowa Department of Natural Resouces-Geological Survey

Make photocopies for Well Contractor, and County Health Department

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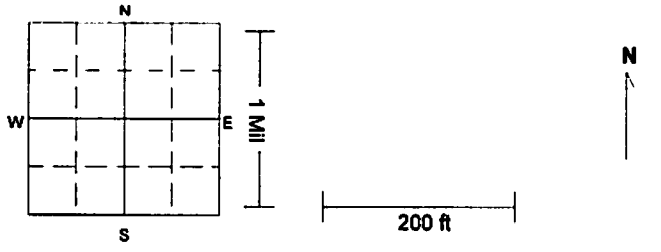
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