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

WELL RECORD

PWTS Well No. 6 077108

PWTS Permit No. 2014-0153W
County Permit No. _____

Site identification

Property Owner Pinnacle Foods Group Other ID 6
Address 2467 Henry Ladyn Drive
Tenant Ft. Madison, IA 52627
Well Depth 177 ft Date completed 03/28/14

Location

County Lee

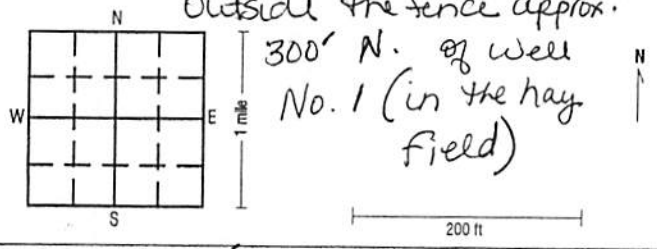
_____ mi. N/S and _____ mi. E/W of intersection of _____ and _____

_____ 1/4 of the _____ 1/4 of the _____ 1/4 of Sec _____ TWP _____ RNG _____ E/W

GPS Coordinates (NAD83 datum only) decimal degrees:

_____ . _____ N. Latitude _____ . _____ W. Longitude.

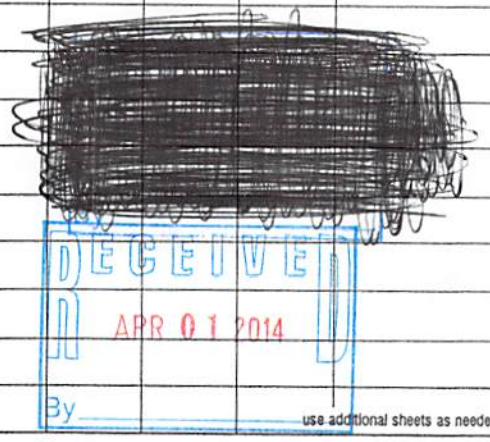
Show exact location of well in section grid with a dot (●). Sketch map of well location on property.



☐ upland ☐ hillside ☐ valley ☒ level surface Elevation (if known) _____

Formation log

From	To	Color	Hardness	Formation description
				See Attached



RECEIVED
APR 01 2014
By

use additional sheets as needed

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

☐ rotary ☐ auger ☐ cable other RC

Hole size

36 inch from 0 ft to 177 ft
_____ inch from _____ ft to _____ ft
_____ inch from _____ ft to _____ ft

hole size continued
_____ inch from _____ ft to _____ ft
_____ inch from _____ ft to _____ ft

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

Casing

Drive shoe (yes / no) Pitless adapter (yes / no)

Size (ID/OD)	Type / Wt	Depth top	Depth bottom	Amount (length)
16"OD	.375	0	127'	127'

Perforated or slotted casing? (yes / no)

Perforated / slotted from _____ ft to _____ ft
Perforated / slotted from _____ ft to _____ ft

Casing grouted? (yes / no)

Placement method _____

Type	Depth top	Depth bottom	Amount (vol/wt)
Neat Cement	0	107'	425 bags

Well screen? (yes / no)

Diameter	Slot size	Depth top	Depth bottom	Length	Material
16"	0.080	127'	176'	49'	
	0.___				

Bottom capped (yes / no) with _____
(Seals) Packers (yes / no) kind Bentonite depth 107' ft
Gravel packed (yes) / no) from 110' ft to 177' ft
type Red Flint amount 0

Well developed? (yes / no)

Explain airlifted
(pumped) airlifted, bailed) for 24 hrs at 1107 GPM

Pump installed? (yes / no)

Date ____ / ____ / ____
Installer's name _____
Type of pump _____ Depth to intake _____ ft
Pump diameter _____ Rated capacity _____ GPM

Water information

Aquifer: ☒ sand / gravel ☐ limestone ☐ sandstone
Main water-supply zone from 127 ft to 176 ft ☐ seepage well
Static water level 44' ft (below / above) GL; ☐ tape ☐ airline ☐ E-line ☐ estimate
Pumping water level 107' ft below GL; ☒ tape ☐ airline ☐ E-line ☐ estimate
At yield of 1107 GPM; ☑ orifice ☐ volumetric ☐ estimate for _____ hours
Measurements taken at 8 :00 (AM) PM) Date 03/31/14

Water quality test? (yes / no)

Date tested 03/31/14
Tested by IA State Hygienic Labs

Contractor Cahoy Pump Service, Inc.
Address 24568 150th St. Sumner, IA
Driller Darin Cahoy Certification no. 1786

Send original form to: **Iowa Department of Natural Resources – Geological Survey**

Make photocopies for: **Well Contractor, Customer, and County Health Department**

Cahoy

Well And Pump Service
Municipal • Industrial • Environmental

24568 150th Street • Suite 200
Sumner, Iowa 50674
(563) 578-1130
(563) 578-1135 *Fax*

200 Grant Street
P.O. Box 72
Marne, Iowa 51552
(712) 781-2030
(712) 781-2032 *Fax*

DRILLER'S LOG

CLIENT: Pinnacle Foods Group

WELL: 6

DATE STARTED: 03/06/2014

DATE COMPLETED: 03/28/2014

DRILLER/LIC.#: Darin Cahoy #1786

County: Lee

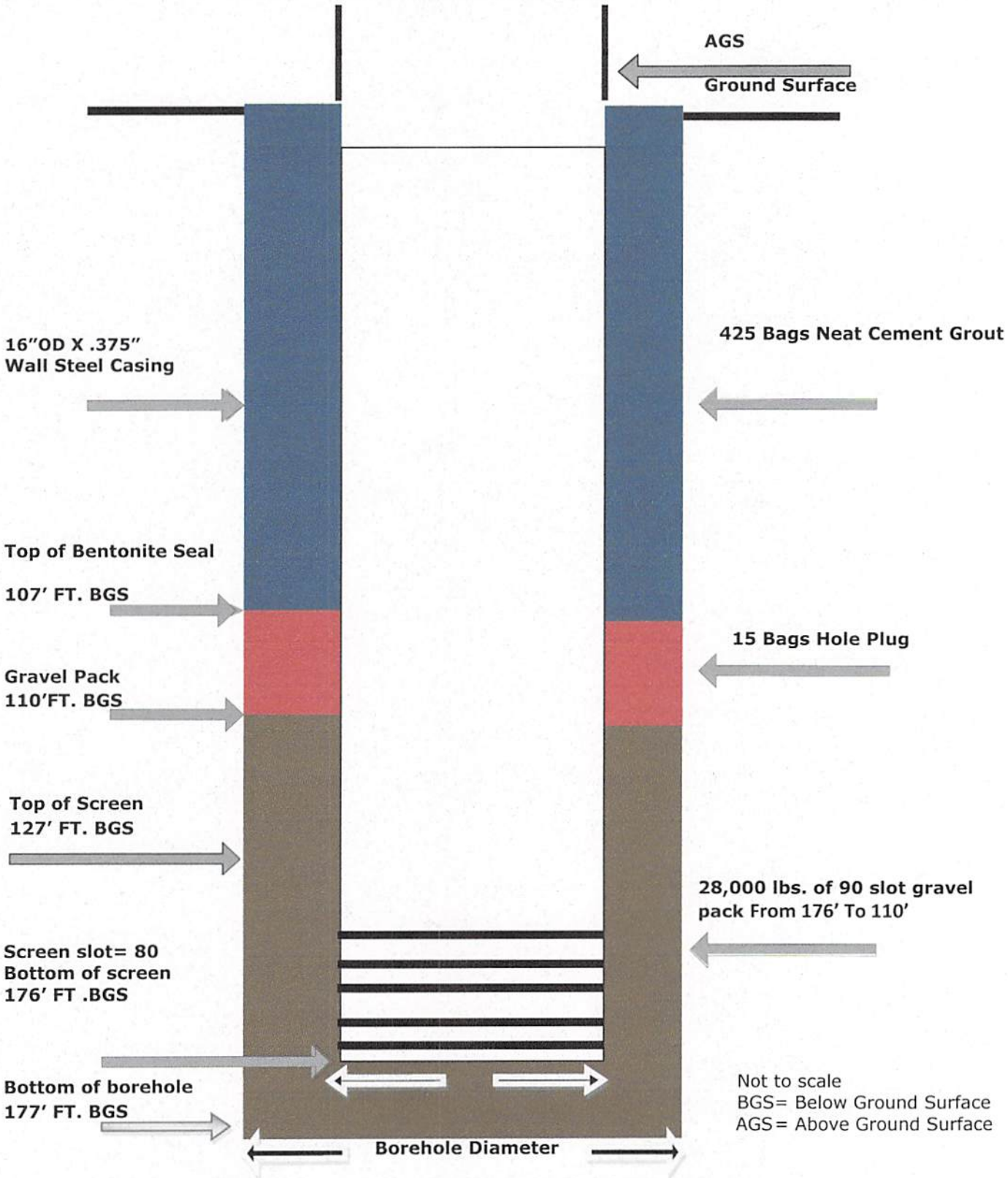
ROD#	LENGTH	DEPTH	FORMATION DESCRIPTION	DEPTH STARTED	DEPTH ENDED
Bit	1′	1′	Fine sand brown	0	14
Kelly	24′	25′	Very fine sand brown	14	23
			Very fine sand brown	23	34
Collar	20′	45′	Some gravel	34	39
DP1	20′9″	65′9″	Medium sand	39	70
DP2	20′9″	86′6″	Fine sand brown	70	73
DP3	20′9″	107′3″	Fine sand some gravel	73	79
DP4	20′9″	128′	Fine-medium sand	79	90
DP5	20′9″	148′9″	Fine sand to large gravel	90	94
DP6	20′9″	169′6″	Clay and cobbles	94	107
DP7	20′6″	176′	Shale	107	109
			Hard gray clay	109	114
			Soft sand gray clay	114	121
			Gray sand fine	121	125
			Gray sand some gravel	125	146
			Medium large gravel	146	169
			Medium large gravel	169	175
			Medium large gravel and bits of clay and limestone	175	176

CAHOY WELL AND PUMP SERVICE
24568 150TH ST. STE. 200
SUMNER, IA 50674

OWNER: Pinnacle Foods Group
WELL #6
DATE: 03/28/14
County: Lee

563-578-1130 SUMNER, IA
563-578-1135 FAX
712-781-2030 MARNE, IA
712-781-2032 FAX

PROPOSED
WELL CONSTRUCTION DETAIL



Not to scale
BGS= Below Ground Surface
AGS= Above Ground Surface