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

WELL RECORD

1 of 2

40298

Permit No. 46-99-09-10

Site identification Humboldt Co. Conservation

Property Owner Gotch Park Well Number 1

Address C/O Conservation @ Courthouse Dakota City

Tenant

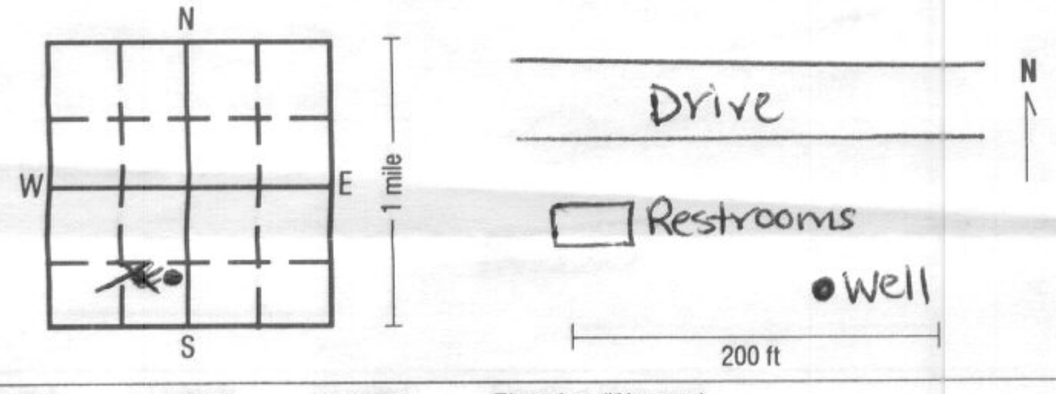
Well Depth 290 ft Date completed 9/20/99

Location County Humboldt

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

NE 1/4 of the SE 1/4 of the SW 1/4 of Sec 19 TWP 91 RNG 28 E/W

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



☐ upland ☐ hillside ☐ valley Elevation (if known) ____

Formation log

From	To	Color	Hardness	Formation description
0	2	Black	S	Topsoil
2	4	Brown	S	Clay
4	36	colored	S	Sand and gravel
36	42	lt gray	MH	Limestone
42	46	rusty red	softer	Limestone
46	47	Brown	MH	Limestone
47	57	rusty red		Limestone
57	59	yellow	S	Shale
59	78	gray	MH	Limestone
78	80	Blue	S	Shale
80	82	tan	MH	Limestone
82	90	Blue	S	Shale
90	94	white	MH	Limestone
94	103	Brown	MH	Limestone
103	106	Gray	softer MH	Limestone
106	180	white	MH	Limestone
180	184	Gray	S	Shale

use additional sheets as needed

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

Well use

☐ Domestic ☐ Livestock ☐ Test well ☒ Public supply ☐ Municipal ☐ Irrigation ☐ Commercial ☐ Monitoring ☐ Other ____ (explain)

Drill method ☒ rotary ☐ auger ☐ cable other ____

Hole size

9 7/8 inch from 0 ft to 93 ft

5 5/8 inch from 93 ft to 290 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)
6	PVC 200	+2	93	95

Perforated or slotted casing? (yes / no)

Perforated / slotted from 90 ft to 290 ft

Perforated / slotted from ____ ft to ____ ft

Casing grouted? (yes / no) Placement method Pumped

Type	Depth Top	Depth bottom	Amount (vol/wt)
Benseal	0	93	9 bggs

Well screen? (yes / no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
	0.___				
	0.___				

Bottom capped (yes / no) with ____

Seals / Packers (yes / no) kind ____ depth ____ ft

Gravel packed (yes / no) from ____ ft to ____ ft

type ____ amount ____

Well developed? (yes / no)

Explain ____

(pumped, airlifted, bailed) for 1 hrs at 40 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 250 ft to 260 ft ☐ seepage well

Static water level 8 ft (below / above) GL; ☒ tape ☐ airline ☐ E-line ☐ estimate

Pumping water level 85 ft below GL; ☐ tape ☒ airline ☐ E-line ☐ estimate

At yield of 30 GPM; ☐ orifice ☐ volumetric ☒ estimate

Measurements taken at 4 :30 (AM / PM) Date 9/20/99

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

Tested by ____

Contractor Schumacher Well

Address 2201 Slagle Dr. Algona, IA

Driller Jim Schumacher Certification no. CD40097

white copy – **Iowa DNR, Geological Survey Bureau** blue copy – **Well Contractor** pink copy – **Customer** yellow copy – **County Health Officer**

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