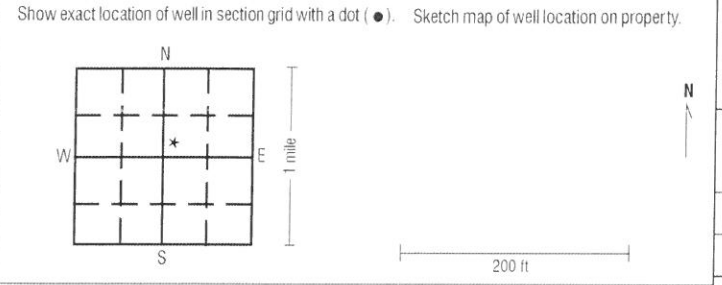


Site identification
 Property Owner City of Hinton Other ID _____
 Address PO Box 1023, Hinton, IA 51024
 Tenant _____
 Well Depth 400 ft Date completed 06 / 2 / 2015

Location County Plymouth
 _____ mi. ^N and _____ mi. ^E of intersection of _____ and _____
 _____ 1/4 of the SW 1/4 of the NE 1/4 of Sec 8 TWP 90 RNG 46 **X**
W

GPS Coordinates (NAD83 datum only) decimal degrees:
42 627333 N. Latitude 96 301417 W. Longitude.



upland hillside valley level surface Elevation (if known) _____

Formation log

From	To	Color	Hardness	Formation description
0	20	brown	loose	top soil w/cobbles & rocks
20	57	brown	dense	clay w/cobbles & rocks
57	62	gray	dence	clay
62	80	brown	dense	clay, trashy sand, gravel layer
80	85	brown	dense	clay, trashy sand & gravel
85	100	gray	dense	clay
100	120	blk/gray	hard	shale
120	137	blk/gray	hards	shale w/hard strips
137	140	gray	hard	shale
140	180	gray	hard	shale w/hard strips
180	195	gray	hard	shale w/white shale strips
195	197	yellow	hard	limestone
197	200	gary/white	hard	shale
200	240	gray	hard	shale w/hard strips

use additional sheets as needed

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

Well use

<input type="checkbox"/> Domestic	<input type="checkbox"/> Heat pump	<input type="checkbox"/> Commercial
<input type="checkbox"/> Livestock	<input type="checkbox"/> Municipal	<input type="checkbox"/> Monitoring
<input type="checkbox"/> Test well	<input checked="" type="checkbox"/> Public supply	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Irrigation	

Drill method rotary auger cable other _____
Hole size hole size continued
19 inch from 0 ft to 400 ft _____ inch from _____ ft to _____ ft
 _____ 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)
8"	375 Wall Stainless Steel	0	340	

Perforated or slotted casing? (yes **XX**)
 slotted from 340 ft to 400 ft
 Perforated / slotted from _____ ft to _____ ft

Casing grouted? (yes / no) _____ Placement method _____

Type	Depth top	Depth bottom	Amount (vol/wt)
Neat Cement	0	284	20 yards
Bentonite	284	299	

Well screen? (yes / no) _____

Diameter	Slot size	Depth top	Depth bottom	Length	Material
8"	0.020	340	400		V-wire
	0. _____				

Bottom capped (yes **XX**) with Stainless Steel
 Seals / Packers (yes / no) kind _____ depth _____ ft
 Gravel packed (yes **XX**) from 299 ft to 400 ft
 type "o" amount 5 Super sacks

Well developed? (yes **XX**)
 Explain Double Disk Surge Block
 (pumped, airlifted, bailed) for 48 hrs at 200 GPM

Pump installed? (yes / no) _____ Date 7 / 21 / 15
 Installer's name Charles Sargent Irrigation Company, Inc.
 Type of pump Grundfos Depth to intake _____ ft
 Pump diameter 4 Rated capacity 230 GPM

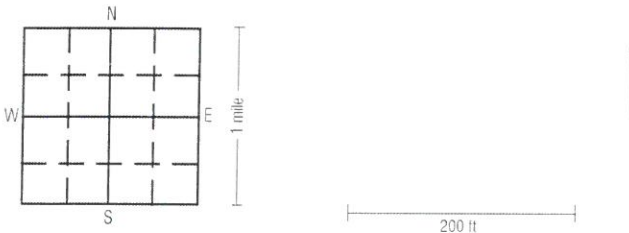
Water information Aquifer: sand / gravel limestone sandstone
 Main water-supply zone from 308 ft to 400 ft seepage well
 Static water level 204 ft (below / above) GL; tape airline E-line estimate
 Pumping water level 225 ft below GL; tape airline E-line estimate
 At yield of 297 GPM; orifice volumetric estimate for 24 hours
 Measurements taken at _____; _____ (AM / PM) Date 6 / 16 / 15

Water quality test? (yes **XX**) Date tested 6 / 16 / 15
 Tested by State Hygenic Lab

Contractor Charles Sargent Irrigation Company, Inc.
 Address 2016 Industrail Park Rd., Carroll, IA 51401
 Driller Derek Schweitzer Certification no. 8338

Site identification
 Property Owner City of Hinton Other ID _____
 Address PO Box 1023, Hinton, IA 51024
 Tenant _____
 Well Depth _____ ft Date completed ____/____/____

Location County _____
 _____ mi. ^N and _____ mi. ^E 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
240	260	gray	hard	shale w/hard strips
260	280	white	hard	shale
280	300	white/gray	hard	shale
300	308	gray	hard	shale
308	320	gray	dense	sandstone & shale
320	340	tan	dense	Dakota sandstone
340	360	tan	dense	Dakota sandstone w/ shale strip
360	383	tan	dense	Dakota sandstone
383	389	gray	hard	shale
389	400	tan	dense	Dakota sandstone
400	420	tan	dense	Dakota sandstone w/shale strips
420	422	tan	dense	Dakota sandstone w/fine gravel
422	424	gray	hard	cemented sandstone, shale
424	440	tan	dense	Dakota sandstone
440	450	gray	hard	use additional sheets as needed shale

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

Well use

<input type="checkbox"/> Domestic	<input type="checkbox"/> Heat pump	<input type="checkbox"/> Commercial
<input type="checkbox"/> Livestock	<input type="checkbox"/> Municipal	<input type="checkbox"/> Monitoring
<input type="checkbox"/> Test well	<input checked="" type="checkbox"/> Public supply	<input type="checkbox"/> Other
	<input type="checkbox"/> Irrigation	

Drill method rotary auger cable other _____
Hole size
 _____ inch from _____ 0 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)

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)

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 _____ hrs at _____ 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 _____ ft to _____ ft seepage well
 Static water level _____ ft (below / above) GL; tape airline E-line estimate
 Pumping water level _____ ft below GL; tape airline E-line estimate
 At yield of _____ GPM; orifice volumetric estimate for _____ hours
 Measurements taken at _____; _____ (AM / PM) Date ____/____/____

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

Contractor Charles Sargent Irrigation Company, Inc.
 Address 2016 Industrial Park Rd., Carroll, IA 51401
 Driller _____ Certification no. _____

