

Site identification
 Property Owner Rembrandt Enterprise Replacement
Rembrandt Foods Well Number 1
 Address 1419 480th St, Rembrandt, IA
 Tenant None
 Well Depth 421 ft Date completed 7/1/11

Location County Buena Vista
1/4 mi. ^N and 1/4 mi. ^E of intersection of HWY 71 and C25
NE 1/4 of the SW 1/4 of the SW 1/4 of Sec. 32 TWP 93 RNG 36 E
 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	3	Black	S	Topsoil
3	16	Yellow	S	Sandy Clay
16	42	Blue	S	Clay
42	54	Yellow	S	Clay
54	76	Blue	S	Clay
76	110	Blue	S	Gravelish-Clay
110	139	Yellow	S	Clay
139	157	Blue	S	Clay
157	218	Blue	H	Shale
218	266	Blue	H	Sandy Shale
266	287	White	H	Shale
287	294	Gray	H	Shale
294	351	Gray	H	Sandstone
351	362	Gray	H	Sandstone - Shale Mix
362	423	White	H	Sandstone - Best
423	430			Sandstone - Shale Mix

use additional sheets as needed

Remarks (including depth of lost drilling fluids, materials, or tools)
 GPS 42.82403 Well #1
95.12944 Replacement
Well use
 Domestic Municipal Commercial
 Livestock Public supply Monitoring
 Test well Irrigation Other
 RECEIVED
 JUL 03 2011
 (explain)

Drill method rotary auger cable other _____
Hole size
1 3/4 inch from 0 ft to 390 ft hole size continued _____ inch from _____ ft to _____ ft
7 1/2 inch from 390 ft to 421 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" ID	PVC/SDR17	18"	390'	391'-6"
5" ID	PVC/SDR21	370'-6"	390'	20'

6' Bury Pitless Installed

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

Casing grouted? (yes no) Placement method Trimme

Type	Depth Top	Depth bottom	Amount (vol/wt)
BenSeal-EZ	Surface	388'	1,720 gallons

Well screen? (yes / no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
5" tele	0.020	390'	421'	31'	Stainless Steel
	0.---				

Bottom capped (yes no) with Plate Bottom / Bail
 Seals / Packers (yes no) kind _____ depth _____ ft
 Gravel packed (yes no) from 370'-6" ft to 421' ft
 type #75 silica amount 1000#

Well developed? (yes no)
 Explain Bailed, Pumped
 (pumped, airlifted, bailed) for 13 hrs at 270 GPM.

Pump installed? (yes no) Date 7/1/11
 Installer's name Milford Well Service
 Type of pump Submersible Depth to intake 210 ft
 Pump diameter 6" Rated capacity 240 GPM

Water information Aquifer: sand / gravel limestone sandstone
 Main water-supply zone from 362 ft to 423 ft seepage well
 Static water level 141 ft (below above) GL; tape airline E-line estimate
 Pumping water level 184-11" ft below GL; tape airline E-line estimate
 At yield of 270 GPM; orifice volumetric estimate
 Measurements taken at 12:24 (AM PM) Date _____/_____/_____

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

Contractor Middendorff Well Co, Inc
 Address Sioux Rapids, IA
 Driller Larry Steece - Mike Certification no. 5273