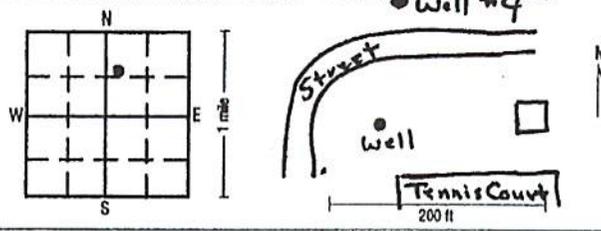


WELL RECORD

Permit No. _____

Site Identification
Property Owner City of Marathon Well Number 5
Address City Park Marathon, IA
Tenant _____
Well Depth 170 ft Date completed 6/14/09

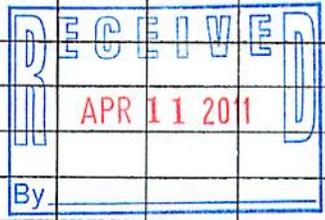
Location County Buena Vista
_____ mi. N and _____ mi. E of intersection of _____ and _____
SW 1/4 of the NW 1/4 of the NE 1/4 of Sec 21 TWP 93 RNG 35 E



upland hillside valley Elevation (if known) _____

Formation log

| From | To | Color | Hardness | Formation description |
|------|-----|----------------|----------|-----------------------|
| 0 | 4 | Black | | Top Soil |
| 4 | 19 | Yellow | | Clay |
| 19 | 38 | Blue | | Clay |
| 38 | 43 | Gray | | Gravel |
| 43 | 88 | Blue | | Clay |
| 88 | 101 | | | Sand & Gravel |
| 101 | 116 | Blue | | Clay |
| 116 | 131 | | | Gravelish Blue Clay |
| 131 | 136 | Blue | | Clay |
| 136 | 143 | Dark Blue Hard | | Clay |
| 143 | 170 | Yellow | | Gravel |
| 170 | | | | Blue Clay |



use additional sheets as needed

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

Well use
 Domestic Municipal Commercial
 Livestock Public supply Monitoring
 Test well Irrigation Other _____ (explain)

Drill method rotary auger cable other _____
Hole size
13 inch from 0 ft to 170 ft
hole size continued _____ 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/200# | 2' + | 154' | 156' |

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 | 6' - | 140' | 450 gallons |

Well screen? (yes/no)

| Diameter | Slot size | Depth Top | Depth Bottom | Length | Material |
|----------|-----------|-----------|--------------|--------|-----------------|
| 8" P.S. | 0.040 | 155' | 170' | 15' | Stainless Steel |

Bottom capped (yes/no) with Plate Bottom
Seals / Packers (yes/no) Kind _____ depth _____ ft
Gravel packed (yes/no) from 140' ft to 170' ft
type Red Flint #40 amount 1800#

Well developed? (yes/no)
Explain Jetted, Air lift, Sarged & Pumped
(pumped/airlifted/palled) for 8 hrs at 250' GPM.

Pump installed? (yes/no) Date 6/10/09
Installer's name Truesdell Pump Service
Type of pump Submersible-100H07 Depth to intake 125 ft
Pump diameter 6" Rated capacity 200 GPM

Water information Aquifer: sand / gravel limestone sandstone
Main water-supply zone from 145 ft to 170 ft seepage well
Static water level 76' ft (below / above) GL; tape airline estimate
Pumping water level 91 ft below GL; tape airline estimate
At yield of 190 GPM; orifice volumetric estimate
Measurements taken at 10:00 (AM/PM) Date 5/18/09

Water quality test? (yes/no) Date tested 5/18/09
Tested by Mangold Environmental Testing

Contractor Middendorff Well Co, Inc.
Address Sioux Rapids, IA
Driller Gary Wernimout & Mike Certification no. 6669