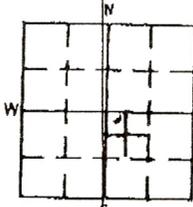


**Site identification** KOL GOL  
 Property Owner D.A.L.A.C.O Well Number 1  
 Address 1366 Elan Dr, Waukon  
 Tenant Roger Christensen  
 Well Depth 556 ft Date completed 05 / 25 / 99

**Location** County Allamakee  
 mi. N and mi. E of intersection of \_\_\_\_\_ and \_\_\_\_\_  
NW 1/4 of the NW 1/4 of the SE 1/4 of Sec 31 TWP 98 RING 4  
 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	6	Brn	S	Clay
6	16	Brn	S	Trap Rock
16	38	Brn	MS	Limestone
38	50	Blu	MS	Shale
50	60	Brn	M	Lime
60	80	Blu	MS	Shale
80	114		M-MS	Shale & Lime
114	120	Blu	S	Shale
120	200	Gra	S	St.P Sandstone
200	205	Brn	MS	Sandy Dolomite
205	230		S	Rotten rock Flint bed?
230	420		M	Rock with sand and shale lenses
420	500		M	Rock & Sand start of Jordan
500	556	Brn	S	Jordan Sandstone

Remarks (including depth of lost drilling fluids, materials, or tools)  
No CUTTINGS AFTER 205'

**Well use**  
 Domestic  Municipal  Commercial  
 Livestock  Public Supply  Monitoring  
 Test well  Irrigation  Other \_\_\_\_\_ (explain)

**Drill method**  rotary  auger  cable other \_\_\_\_\_  
**Hole size**  
 10 inch from 0 ft to 21 ft  
 8 inch from 21 ft to 556 ft

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

**Casing** Drive shoe (yes/no) \_\_\_\_\_ Pitless adapter (yes/no) \_\_\_\_\_

Size (ID/OD)	Type / VA	Depth top	Depth bottom	Amount (length)
5" ID Steel	14.62#/ft	+2'	440'	442'

**Perforated or slotted casing?** (yes/no) \_\_\_\_\_  
 Perforated / slotted from \_\_\_\_\_ ft to \_\_\_\_\_ ft  
 Perforated / slotted from \_\_\_\_\_ ft to \_\_\_\_\_ ft

**Casing grouted?** (yes/no) \_\_\_\_\_ Placement method Tremie pipe

Type	Depth Top	Depth bottom	Amount (vol/wt)
30 Neat cement	250'	398'	148'
8 Benseal	0'	250'	250'

**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 Air  
 (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 500 ft to 556 ft  seepage well  
 Static water level 320 ft (below / above) GL:  tape  airline  E-line  estimate  
 Pumping water level 556 ft below GL:  tape  airline  E-line  estimate  
 At yield of 200 GPM:  orifice  volumetric  estimate  
 Measurements taken at 2:00 (AM / PM) Date 05 / 23 / 99

**Water quality test?** (yes/no) \_\_\_\_\_ Date tested \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
 Tested by \_\_\_\_\_

Contractor Nuehring Well Drilling  
 Address 16163 Golden Av, Farmersburg, IA 52047-8037  
 Driller Curtis D. Nuehring Certification no 40015