

61474

WELL RECORD

Site identification

Property Owner Rural Water System #1 Well Number 18

Address 4438 380th St, Hospers, IA 51238

Tenant _____

Well Depth 65 ft Date completed 3 / 7 / 05

Drill method rotary auger cable other _____

Hole size hole size continued

10 inch from 0 ft to 65 ft _____ inch from _____ ft to _____ ft

_____ inch from _____ ft to _____ ft _____ inch from _____ ft to _____ ft

Location County Sixer

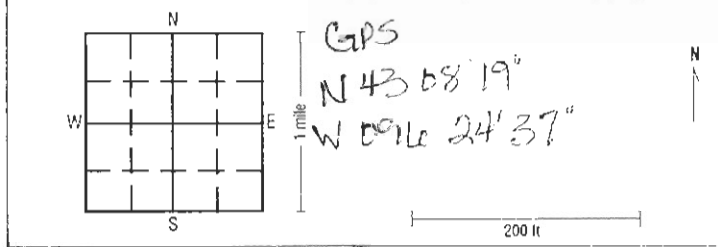
_____ mi. ^N and _____ mi. ^E of intersection of _____ and _____

_____ 1/4 of the _____ 1/4 of the NW 1/4 of Sec 16 TWP 96 RNG 47 ^E

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

Casing Drive shoe (yes/no) _____ Piless adapter (yes/no) _____

Size (ID/OD)	Type / WT	Depth top	Depth bottom	Amount (length)
<u>5"</u>	<u>Steel</u>	<u>+3</u>	<u>55'</u>	<u>58'</u>



Perforated or slotted casing? (yes/no) no

Perforated / slotted from _____ ft to _____ ft

Perforated / slotted from _____ ft to _____ ft

upland hillside valley Elevation (if known) _____

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

Type	Depth Top	Depth bottom	Amount (vol/wt)
<u>Bentonite Seal</u>	<u>0</u>	<u>45</u>	<u>19 ft³</u>

Formation log

From	To	Color	Hardness	Formation description
<u>0</u>	<u>3</u>	<u>Br</u>	<u>Soft</u>	<u>Topsoil</u>
<u>3</u>	<u>16</u>			<u>Coarse sand</u>
<u>16</u>	<u>19</u>			<u>Coarse gravel w/ sand</u>
<u>19</u>	<u>54</u>			<u>Med Sand</u>
<u>54</u>	<u>65</u>			<u>Coarse sand</u>
<u>65</u>	<u>80</u>	<u>Gray</u>		<u>Fine Sand</u>
<u>80</u>	<u>95</u>	<u>Gray</u>	<u>Soft</u>	<u>Clay</u>

use additional sheets as needed

Well screen? (yes/no) no

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
<u>5"</u>	<u>0.020</u>	<u>55'</u>	<u>65'</u>	<u>10'</u>	<u>S.S.</u>
<u>0.---</u>					

Bottom capped (yes/no) no with S.S. Plate

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

Gravel packed (yes/no) from 45 ft to 65 ft

type N&C #3 amount 9 ft³

Well developed? (yes/no) no

Explain Surged + bailed

(pumped, airlifted, bailed) for 24 hrs at 85 GPM.

Pump installed? (yes/no) 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 55 ft to 65 ft seepage well

Static water level 25 ft (~~below~~ above) GL: tape airline E-line estimate

Pumping water level 33 ft below GL: tape airline E-line estimate

At yield of 85 GPM: notice volumetric estimate

Measurements taken at _____ (AM / PM) Date 3 / 7 / 05

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

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

Tested by _____

Well use

Domestic Municipal Commercial

Livestock Public supply Monitoring

Test well Irrigation Other _____

(explain) _____

Contractor Marzell Company

Address 15301 Hickman Rd, Weverka, IA 50253

Driller Scott Deemer Certification no. 40253