

WELL RECORD FORM

PWTS No. or PWS No. <u>2189881</u>	PWTS Permit No. <u>47585</u>	GEOSAM Well No. (IGS use only) <u>83031</u>
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Site Identification

Property owner T & H Livestock, LLC Other ID _____

Address 25616 Juniper Road City West Union

Tenant _____

Well depth 776 ft Date completed 8 / 4 / 2016

Drill Method Rotary Auger Cable Other _____

Hole size

12.5 inch from <u>0</u> ft to <u>84</u> ft	hole size continued 6 inch from <u>537</u> ft to <u>776</u> ft
10 inch from <u>84</u> ft to <u>537</u> ft	_____ inch from _____ ft to _____ ft

Location County Fayette

GPS coordinates (NAD83 datum)
43.0028572 Latitude -91.8010930 Longitude

Decimal Degrees Degrees, Decimal Minutes Degrees, Minutes, Seconds

_____ 1/4 of the _____ 1/4 of the _____ 1/4 of Sec 33 TWP 95 RNG 8 ^E _W

Show exact location of well in section grid with a dot (.). Sketch map of well location on property.

Casing or Loop Pipe
Record all depth measurements from ground level (GL). Use + for above GL measurements.

Size (in)	Material	Depth Top	Depth Bottom	Perforated	Slotted	Screen
7	Steel	+3	537	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> slot size _____
4	pvc	636	776	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> slot size _____
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> slot size _____
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> slot size _____

Casing Grout Placement method _____

Type	Depth Top	Depth Bottom	Amount (vol/wt)
Bentonite	0	420	32 Bags
Cement	420	537	40 Bags

Formation Log

From	To	Color	Hardness	Formation description
0	24	Brn	Soft	Clay
24	28	Brn	Soft	Sand
28	83	Blue	Soft	Clay
83	125	Brn	Hard	Lime Rock
125	268	Gray	Med	Shale
268	308	Brn	Hard	Lime Rock
308	366	Blue	Med	Shale
366	416	Gray	Med	Lime Rock
416	638	Brn	Med	Lime Rock
638	660	Brn	Soft	Lime Rock
660	670	Gray	Soft	Lime Rock
670	722	Gray	Soft	Shale
722	770	Gray	Soft	Sandstone
770	776	Brn	Med	Lime Rock

Gravel packed variety _____

Seals/packers

Pump Installation Date _____/_____/_____

Type of pump _____ Depth to intake _____ ft

Pump diameter _____ in Rated capacity _____ GPM

Water Information Date 8 / 4 / 2016

Use + for above GL measurements.

Static Water Level	Pumping Water Level	Yield	Duration
<u>432</u> ft	<u>528</u> ft	<u>50</u> GPM	_____ hrs

Water level measurement: Sonic Tape Airline E-line Estimate

Water yield measurement: Orifice Volumetric Estimate

Main water-supply zone from 722 ft to 776 ft below GL

Well Development

Physical explain: Air Lift

Chemical explain: _____

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

(use additional sheets as needed)

Contractor

Company B&B Drilling

Address 2992 Pembroke Ave Fredericksburg IA 50630

Driller James Handke Certification no. 10838

Well Use

Domestic Public supply Livestock

Heat pump Commercial Irrigation

of borehole(s) _____ Monitoring Other _____