# WELL RECORD FORM

PWTS No. *or* PWS No. _____ | PWTS Permit No. _____ | GEOSAM Well No. *(IGS use only)* _____

## Site Identification

Property owner Albion | Other ID WELL #7

Address Well Field South of Town | City Albion

Tenant _____

Well depth 196 ft | Date completed 5 / 20 / 22

## Location

County Marshall

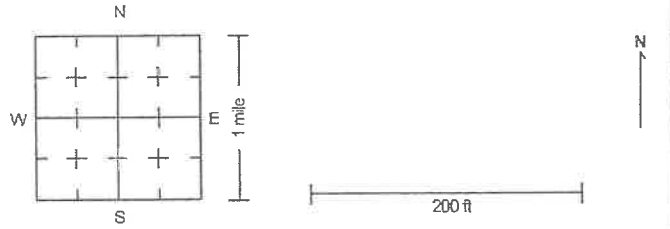
GPS coordinates (NAD83 datum)

42.103747 Latitude | -92.995172 Longitude

☐ Decimal Degrees ☐ Degrees, Decimal Minutes ☐ Degrees, Minutes, Seconds

_____ 1/4 of the _____ 1/4 of the _____ 1/4 of Sec _____ TWP _____ RNG _____ E W

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




## Formation Log

| From | To | Color | Hardness | Formation description |
|---|---|---|---|---|
| 0 | 5 | brn | soft | topsoil |
| 5 | 12 | brn | soft | clay |
| 12 | 29 | brn | med | sand |
| 29 | 31 | ble | med | clay |
| 31 | 52 | brn | hard | limestone |
| 52 | 93 | gray | hard | limestone |
| 93 | 137 | tan | med | limestone |
| 137 | 168 | gray | hard | limestone |
| 168 | 196 | brn | hard | limestone |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | (use additional sheets as needed) |

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

15gpm40' 18gpm82' 20gpm133'

## Well Use

☐ Domestic ☑ Public supply ☐ Livestock

☐ Heat pump ☐ Commercial ☐ Irrigation

# of borehole(s) ____ ☐ Monitoring ☐ Other _____

## Drill Method

☑ Rotary ☐ Auger ☐ Cable ☐ Other _____

## Hole size

14.75 inch from 0 ft to 41 ft

8 inch from 41 ft to 196 ft

hole size continued

_____ inch from _____ ft to _____ ft

_____ inch from _____ ft to _____ ft

## 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 |
|---|---|---|---|---|---|---|
| 8 | Steel | +2 | 41 | ☐ | ☐ | ☐ slot size _____ |
| | | | | ☐ | ☐ | ☐ slot size _____ |
| | | | | ☐ | ☐ | ☐ slot size _____ |
| | | | | ☐ | ☐ | ☐ slot size _____ |
| | | | | ☐ | ☐ | ☐ slot size _____ |

## Casing Grout

Placement method Pump & Tremie

| Type | Depth Top | Depth Bottom | Amount (vol/wt) |
|---|---|---|---|
| Bentonite | 36 | 41 | 6 bags |
| Cement | 36 | 0 | 41 bags |
| | | | |
| ☐ Gravel packed variety _____ | | | |
| ☐ Seals/packers | | | |

## Pump Installation

Date 08 / 25 / 2022

Type of pump Grundfos 150S150-6 stage | Depth to intake _____ ft

Pump diameter 6 in | Rated capacity 150 GPM

## Water Information

Date 07 / 07 / 2022

Use + for above GL measurements.

| Static Water Level | Pumping Water Level | Yield | Duration |
|---|---|---|---|
| 2 ft | 22 ft | 35 GPM | 24 hrs |

Water level measurement: ☑ Sonic ☐ Tape ☐ Airline ☐ E-line ☐ Estimate

Water yield measurement: ☐ Orifice ☐ Volumetric ☑ Estimate

Main water-supply zone from _____ ft to _____ ft below GL

## Well Development

☑ Physical explain: Air Lift

☐ Chemical explain: _____

## Contractor

Company B&B Drilling

Address 2992 Pembroke Ave Fredericksburg IA 50630

Driller Neil Brandenburg | Certification no. 1610

IGS IIHR Hydroscience & Engineering

Mail form to **Iowa Geological Survey**: 100 Oakdale IGS, Iowa City, IA 52242-1304

*Or click here to e-mail form to: IIHR-IGS-WellRecords@uiowa.edu*

Make copies for well contractor, customer, and county health department

The University of Iowa

Rev. 2014

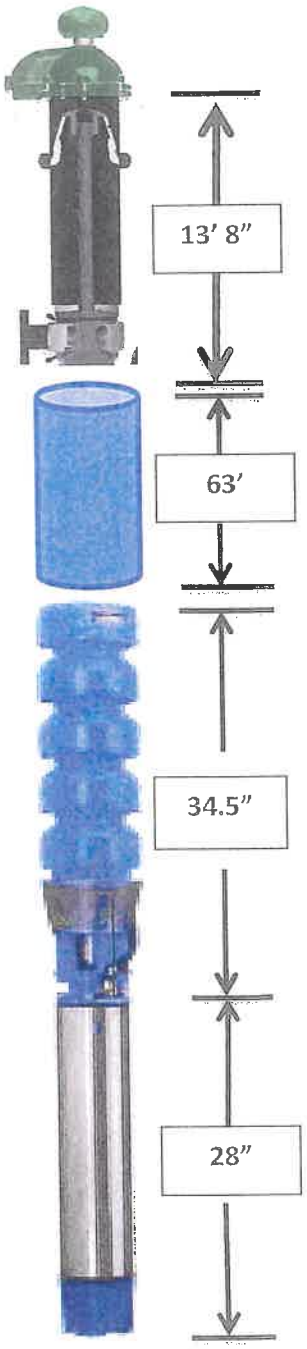
The Cahoy Group

(833-728-1288)

SUMNER, IA Corporate Office | MARNE, IA | Durand, IL | Lincoln, IL | Cahoy High Plains, WY

# SUBMERSIBLE TURBINE PUMP

**Install** / Pull SWL: 7'




| | | | |
|---|---|---|---|
| DATE | 08/25/2022 | WELL No. | 7 |
| CUSTOMER | Albion | | |
| ADDRESS | South on 330 on left | | |
| CITY | Albion | STATE AND ZIP: IA | |
| CONTACT NAME: | Scott Gianetto | PHONE NUMBER: | 641-750-9638 |

**MOTOR**

| | | | |
|---|---|---|---|
| MFG | Franklin | HP | 15 |
| VOLTAGE | 200 | PHASE | 3 |
| MODEL No. | 2366538120 | S/N: 22F19-08-00202A | |
| DIAMETER | 6" | RATED AMPERAGE | 54.4 |
| CODE DATE | 22F19 | RPM | 3450 |

**PUMP BOWL**

| | | | |
|---|---|---|---|
| MFG | Grundfos | MODEL | 150S150-6-BP |
| GPM | 150 | TDH | NA |
| DATE CODE | 8-22 | S/N: unknown | |
| COATED | Yes **No** | DISCHARGE | 3" |
| HANDLING NIPPLE | Yes | | |
| # Of stages | 6 | Material | Stainless |

**PUMP CABLE**

| | | | |
|---|---|---|---|
| SIZE | 6/3 | LENGTH | 71' |
| TYPE | | Flat Jacket | |

**DROP PIPE**

| | | | |
|---|---|---|---|
| SIZE | 3" | TYPE | Steel |
| FLANGED | NA | THREADED | Yes |
| SCHEDULE | 40 | COATED | No |
| LENGTH | 21 | NUMBER OF | 3 |
| | | TOTAL SETTING: | 63' 7" |

| WELL | | | |
|---|---|---|---|
| DEPTH: 196' 2" | DIAMETER: X | SWL: 7 | CASING PT.: X |
| LINER LOCATION: X | PERFORATED: Yes No | X | |
| SCREEN LENGTH: X | SLOT SIZE: X | LOCATION: X | TO: X |

| Water Meter | | | |
|---|---|---|---|
| Yes or No: X | Mfg.: X | Size: X | Does it work: X |

| PITLESS UNIT | | | |
|---|---|---|---|
| PITLESS MFG | Monitor | LENGTH | 7' 7' |
| PITLESS UPPER DIAM. | 10" | PITLESS MODEL | |
| "O" RING SIZE | 8" | | |
| DROP PIPE CONNECTION DESCRIPTION: | | | |

| OTHER | | | |
|---|---|---|---|
| CHECK VALVE SIZE | NA | # OF | NA |
| A | 70.7' | AIRLINE MATERIAL | Toro |
| TRANSDUCER MANUFACTURER | NA | | |
| WALL HEIGHT OF BUILDING | NA | | |
| LAYBACK REQUIRED | No | | |
| CLEAR VISION FOR OPERATOR THROUGH: | DOOR WINDOW OUTSIDE NONE | | |
| ISOLATION VALVE TO PUMP TO WASTE: | | | |
| CONNECTION FOR PUMP-OFF: | | TYPE: Hydrant | SIZE: 2-1/2" |
| DISTANCE TO DISCHARGE POINT: | | | |

SUGGEST WE CHANGE / PERFORM THE FOLLOWING:
WE CHANGED/PERFORMED THE FOLLOWING:

| | | | |
|---|---|---|---|
| Altitude gauge | Airline | Discharge Gasket | "O" Rings |
| Sub Cable | Motor | Pump | Add Drop Pipe 63' new pipe |
| Brush Well | Bail Well | Treat Well | Televise |

**CREW: John & Ray**

**COMMENTS:**

**Form revision date: 03/04/2021**