

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

MASTER CARD

Record by K. Wahl Source of data File Date 9-17-68 Map 1/63, 360 Co Highway

State Iowa County 1/6 (or town) Iowa 48

Latitude: 414950N Longitude: 0915231 Sequential number: 1

Lat-long accuracy: 2 T. 81 S, R. 9 E, Sec. 15, NW 1/4, NE 1/4, NE 1/4 5

Local well number: 08109W15AAB Other number: W-18932

Local use: 18932 Owner or name: Falvog & Hahn

Owner or name: FALVOG AND HAHN Address: West Amana, Ia.

Ownership: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist P

Use of Air cond, Bottling, Comm, Dewater, Power, Fire, Dom, Irr, Med, Ind, Rec, P

water: (S) (T) (U) (V) (W) (X) (Y) (Z) P

Use of (A) (D) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z) W

well: Anode, Drain, Seismic, Heat Res, Obs, Oil-gas, Recharge, Test, Unused, Withdraw, Waste, Destroyed

DATA AVAILABLE: Well data 1 Freq. W/L meas.: Original Field aquifer char. 0

Hyd. lab. data: _____

Qual. water data; type: _____

Freq. sampling: _____ Pumpage inventory: _____ period: _____

Aperture cards: _____

Log data: Sample log, Drillers log G:D

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 550 ft 550 Meas. Drillers log 3

Depth cased: 210 ft 210 Casing type: Steel; Diam. 7 in 7

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (perf.), (H) horz. gallery, (I) open hole, (J) other, (K) other, (L) other, (M) other, (N) other, (O) other, (P) other, (Q) other, (R) other, (S) other, (T) other, (U) other, (V) other, (W) other, (X) other, (Y) other, (Z) other X

Method: (A) air rot., (B) bored, (C) cable, (D) dug, (E) jetted, (F) air percussion, (G) reverse, (H) air reverse, (I) driven, (J) drive wash, (K) other 32

Date Drilled: 1966 9.6.66 Pump intake setting: _____ ft _____

Driller: Hoey & Ames, Lincoln, Ia.

Lift (type): (A) air, (B) bucket, (C) cent., (D) jet, (E) multiple, (F) multiple, (G) none, (H) piston, (I) rot., (J) submerg, (K) turb., (L) other 2 Deep 2 Shallow 40

Power (type): (A) diesel, (B) elec, (C) gas, (D) gasoline, (E) hand, (F) gas, (G) wind, (H) H.P. 41 Trans. or meter no. _____

Descrip. MP Land Surface ft above LSD, Alt. MP 838

Alt. LSD: 838 838 Accuracy: Altimeter 1967 7

Water Level: 90 ft above MP; Ft below LSD 90 Accuracy: Drillers log 0

Date meas: 9-19-66 9.6.66 Yield: 120 gpm 120 determined 1

Drawdown: 24 ft 24 Accuracy: Drillers log 3 Pumping period 2 hrs 2

QUALITY OF WATER DATA: Iron _____ Sulfate _____ Chloride _____ Hard. _____

Sp. Conduct _____ K x 10 6 Temp. _____ °F _____ Date sampled _____

Taste, color, etc. _____

Well No. 081-09W-15 AAB

Well No. 081-09W-15AAB

Latitude-longitude 41.49.50 ^N 091.52.31
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD Physiographic Province: Central lowland 12 Section: Dissected Till

Plains E Drainage Basin: Towa 250 Subbasin: 26

(D) (C) (E) (F) (H) (K) (L)
Topo of depression, stream channel, dunes, flat, hilltop, sink, swamp,
well site: (O) (P) (S) (T) (U) (V)
offshore, pediment, hillside, terrace, undulating, valley flat 27

MAJOR AQUIFER: Silurian, Middle & Lower 56 X
system series aquifer, formation, group

Lithology: Dolomite 0 Origin: Manine 6 Aquifer Thickness: 202 ft

202 Length of well open to: 202 ft 202 Depth to top of: 345 ft 345

MINOR AQUIFER: Devonian, Middle 02 Cedar Valley & Wapsi MX
system series aquifer formation group

Lithology: Limestone & Dolomite 4 Origin: Manine 6 Aquifer Thickness: 146 ft

140 Length of well open to: 135 ft 135 Depth to top of: 205 ft 205

Intervals Screened: None

Depth to consolidated rock: 55 ft 55 Source of data: Sample log C

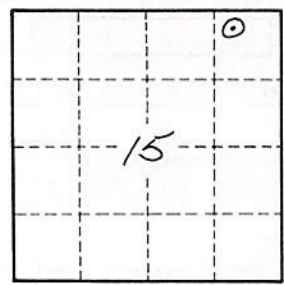
Depth to basement: 65 ft 68 Source of data: 69

Surficial material: Till 70 71 Infiltration characteristics: Poor 72 4

Coefficient Trans: 73 75 Coefficient Storage: 76 78

Coefficient Perm: 79 gpd/ft²; Spec cap: 79 gpm/ft; Number of geologic cards: 79

Casing: 210' of 7"



Well No. 081-09W-15AAB



HOEG & AMES, Inc.

WELL CONTRACTORS WELL SUPPLIES

LINCOLN, IOWA
68602

Phone 515 473-2707



RECORD OF WELL

Owner Folvag & Hahn Development Co.,
 Address c/o Mr. Prentiss Folvag,
Norway, Iowa, 52318
 Tenant _____
 Address _____
 Location 2 miles North of Amana, Iowa,
N.E. 1/4 of the N.E. 1/4 of Section 15, Lenox Township,
Iowa County, Iowa.
 Started the Well September 1, 1966
 Finished the Well September 19, 1966
 Total Depth 550 ft. Size of Well 7"
 Static Water Level 90 ft.
 Draw-down 24 feet, pumping 120 Gal. P.M.
209 feet of 7" O.D. inch pipe installed
 feet of _____ inch casing installed
 Driller Wm. F. Hogan, for Hoeg & Ames, Inc.
 Remarks 7" O.D. pipe set at 207 ft. - 2 feet ex-
tending above ground level.

FORMATION

| | |
|--------------------------------|---------------------------------------|
| 0' to 2' - Top soil | 100' to 155' - Shale with rock bands. |
| 2' to 20' - Sandy yellow clay. | |
| 20' to 60' - Blue clay. | 155' to 207' - Shale |
| 60' to 75' - Yellow clay. | 207' to 547' - Rock |
| 75' to 100' - Shale | 547' to 550' - Shale. |

Total Depth - 550 feet.

