Need lat. + long + elev.

MASTER CARD-A

9-26-69
RP 11-22-70

STATE	COUNTY	LATITUDE DEG	LATITUDE MIN	LATITUDE SEC	LATITUDE N. or S.	LONGITUDE DEG.	LONGITUDE MIN	LONGITUDE SEC.	NO. SEQ.
1 2	3 4	5 6	7 8	9 10	11	12 13 14	15 16	17 18	19
19	86				N				

WELL SCHEDULE

US GEOLOGICAL SURVEY

IOWA DISTRICT WRD

WELL NO. 19771 CO TAMA

OWNER GLADBROOK TOWN WELL #6 ADDRESS GLADBROOK

DRILLER HOEG-AMES DATE DRLD 5-2-67

MAP

SOURCE OF DATA FILE

DESCRIPTION M. P. LSD FEET (ABOVE) (BELOW) LSD

CONTINUED FROM ABOVE	ACCURACY	LOCAL WELL NUMBER T.	R.	E/W	SEC.	QUARTERS	LOCAL USE W-NUMBER	OPTIONAL	OWNER OR NAME	OWNERSHIP	WATER USE	WELL USE	WELL DATA	I REQ. W/L	FIELD CHAR	HYD LAB	QW-DATA	QW-FREQ.	PUMPAGE	APERTURE	LOG DATA	CARD DESIG
	20	21 22 23	24 25	26	27 28	29 30 31 32 33 34	35 36 37 38 39	40 41 42 43 44 45 46 47 48 49 50 51	52 53 54 55 56 57 58 59 60 61 62 63 64 65 66	67	68	69	70	71	72	73	74	75	76	77	78 79	80
		085	16	W	09	BC	19771	/167TØWN 6	GLADBROOK	M	P	W	1	Ø			C	H			G	A

WELL-DESCRIPTION CARD - B

DUPLICATE CARD A CC 1-19	DEPTH OF WELL	ACCURACY	DEPTH CASED OR FIRST PERF.	DIAM. INCHES	WELL FINISH METH. DRILLED	YEAR DRILLED	PUMP SETTING	METH. LIFT	DEEP SHALLOW	POWER	ALTITUDE OF LSD (FEET)	ACCURACY	WATER LEVEL (FEET)	ACCURACY	DATE MONTH	DATE YEAR	YIELD OF WELL (GPM)	METH. DET	DRAW-DOWN (FEET)	ACCURACY	PUMPING PERIOD (HOURS)	QUALITY OF WATER IRON	SULF.	CHLOR	HARD	SP. COND.	TEMP	DATE SAMPLED	CARD DESIG.
	20 21 22 23	24	25 26 27 28	29 30	31	32 33 34 35	36 37 38 39	40	41	42 43 44 45 46	47	48 49 50 51	52	53 54 55		56 57 58 59 60	61	62 63 64	65	66 67 68	69	70	71	72	73	74 75 76	77 78 79	80
	52	3	43	12	SC	967							20	D	567		135	3	163										B

HYDROGEOLOGIC CARD - C

DUPLICATE CARD A CC 1-19	PHYS-IOG-RAPHY PROV.	PHYS-IOG-RAPHY SEC.	DRAINAGE BASIN	SUBBASIN	TOPO SETTING	MAJOR AQUIFER SYSTEM	SERIES USGS	SERIES IGS	UNIT	LITHOLOGY	ORIG.	THICKNESS	LENGTH WELL OPEN TO	DEPTH TO TOP OF	MINOR AQUIFER SYSTEM	SERIES USGS	SERIES IGS	UNIT	LITHOLOGY	ORIG.	THICKNESS	LENGTH WELL OPEN TO	DEPTH TO TOP OF	DEPTH TO CONSOLIDATED ROCK	SOURCE	DEPTH TO BASEMENT	SOURCE	SURF MAT. LITHOLOGY	SURF MAT. INFIL	COEF TRAN SIG FIG	COEF TRAN XIO	COEF STOR SIG FIG	COEF STOR XIO	CARD DESIG
	20 21	22	23 24 25	26	27	28	29	30	31	32 33	34	35 36 37	38 39 40	41 42 43	44	45	46	47	48 49	50	51 52 53	54 55 56	57 58 59	60 61 62 63	64	65 66 67 68	69	70 71	72	73 74	75	76 77	78	79	80
	12	E	25	D		Q	G	G	X	R	O			9		37												8	Q	2						C

CASING AND SCREEN (SIZE, TYPE, INTERVALS):

12" csg 0-43'

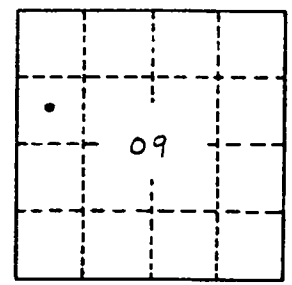
10' of 12" screen

CODED BY MACGOWAN DATE 6-26-72

PUNCHED BY MACGOWAN DATE 6-30-72

VERIFIED BY DATE

SKETCH ON REVERSE: YES NO



WELL NO 19771

W-19771
085 16W 09 BC
GLADBROOK TOWN WELL #6

UNITED STATES DEPARTMENT OF THE INTERIOR
Geological Survey
Water Resources Division

Water Quality
(ppm)

Card Q

State: IOWA (19) County: TAMA (86) Town: GLADBROOK

Well No. | Latitude (5–11) | Longitude (12–18) | Seq. No. (19) | Date M D Y (20–25): 05 14 68

Sampling Depth (26–29): 52 | Type (30): 1 | Kx10⁶ (31–35): 740 | pH (36–38): 6.8 | Temp. °F (39–41)

SiO_2 (42–44): 16 | Ca (45–49): 112 | Mg (50–53): 26 | Na (54–58): 15 | K (59–61): 0.8

HCO_3 (62–65): 342 | CO_3 (66–67): 0 | SO_4 (68–72): 120 | Cl (73–78): 12 | Source No. (79–80): 3 Q

Card R

Duplicate Columns 1-25 from Card Q

F (26–28): 0.2 | NO_3 (29–32): 0.4 | PO_4 (33–35) | B (36–38) | Al (39–41) | Fe (42–45): 5.5

Mn (46–49): 0.98 | Cu (50–52) | Pb (53–54) | Zn (55–57)

Solids Determined (58–63): 500 | Calc. (64–69) | Hardness Ca,Mg (70–73): 388 | Non-Carb. (74–77): 108

Color (78–79) | No. (80): R

Card S

Duplicate Columns 1-25 from Card Q

Br (26–28) | I (29–31) | Alk. as $CaCO_3$ (32–35): 280 | Free CO_2 (36–38) | SAR (39–41)

RSC (42–44) | ABS (45–47) | (48–50)

Alpha (pc/l) (55–57) | Beta (pc/l) (58–60) | Ra (pc/l) (61–63) | U (ug/l) (64–66)

No. (80): S

Recorded by: MACGOWAN

Punched by: MACGOWAN Date: 6-30-72

Published:

National water well Association
MEMBER

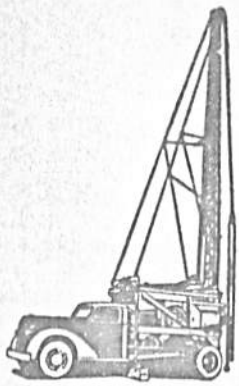
Phone 515 473-2707

HOEG & AMES, Inc.

WELL CONTRACTORS WELL SUPPLIES

☆ ☆ ☆

LINCOLN, IOWA
50652



RECORD OF WELL

Owner The Town of Gladbrook, Iowa.

Address Gladbrook, Iowa.
50635.

Tenant

Address

Location In the Northwest part of Gladbrook, just South of the Town Water Treatment Plant. In Section 9 of Spring Creek Township, Tama County, Iowa.

Started the Well April 18, 1967.

Finished the Well May 2, 1967.

Total Depth 52 ft. Size of Well 12"

Static Water Level 20 ft.

Draw-down 16 feet, pumping 135 Gal. P.M.

43 feet of 12" inch pipe installed

feet of inch casing installed

Driller A. K. Scott, for Hoeg & Ames, Inc.

Remarks Drilled 16" hole and set 16" temporary casing from 0' to 53'. Filled the hole back to 52'. Set a 10'X 12" Johnson Stainless Steel Screen - top 6' 30 slot and the bottom 4' 40 slot, with the 12" casing welded to the screen. Set 12" casing from the top of the screen to 1 ft. above ground level. Removed the 16" casing, backfilled the 16" hole surrounding the 12" casing with clay from 428 to 19'. From 19' to 7' the hole was filled with cement grout. Test pumped the well for 5 hours at 135 gallons per minute.

FORMATION:

Formations and Pump Test data
on continuation sheets.

water well Association
MEMBER

Phone 515 473-2707

HOEG & AMES, Inc.
WELL CONTRACTORS WELL SUPPLIES
* * *
LINCOLN, IOWA
50552



Gladbrook Town Well # 6.

FORMATIONS.

0'	to	5'	-	Soil and clay.
5'	to	18'	-	Yellow clay.
18'	to	31'	-	Sandy yellow clay.
31'	to	39'	-	Gray clay.
39'	to	52'	-	Gray sand and gravel.
52'	to	53'	-	Blue clay.

Total completed depth of well - 52 feet.

HOEK & AMES, Inc. LINCOLN, IOWA

Sheet No. ___

WELL PRODUCTION TEST DATA SHEET

Job Gladbrook Town Well # 6 Date Tested May 1, 1967

Location N.W. Gladbrook, Iowa. Tested by Hoek & Ames, Inc.

Diameter of Well 12" Pump Used Turbine

Depth of Well 52 ft. Driver Gasoline

Length of Airline Electric Col. & Shaft 3½"

Static W. L. 20 ft. Bowls 7"

Orifice Size ___ Mfgr. F.M.

TIME	ORIFICE READING	GPM	PUMPING LEVEL	STATIC W.L.	DRAW-DOWN	REMARKS
11:00 A.M.				20'		Started Pump
11:10		135	33'		13'	#5 well - 27'
11:15		135	34'	water clear	15'	East well - 23'
11:30		135	36'		16'	N.W. well - 11' pumping.
11:45		135	36'4		16'4	
12:00 Noon		135	36.4		16.4	
12:30 P.M.		130	35'		15'	
1:00		110	33.8		13.8	Increased speed
1:30		135	36'		16'	
2:00		135	36.3		16.3	
2:30		135	36		16	
3:00		130	35'		15'	
3:30		130	34.8		14.8	West well - 28
4:00		130	34.8		14.8	NW well - 8 pumping
	Recovery 2 minutes - water level 22'					East well - 21
	5 minutes - water level 25'					