DL

MASTER CARD - A

9-26-69
RP 1-26-73

STATE	COUNTY	LATITUDE DEG.	LATITUDE MIN	LATITUDE SEC	N or S	LONGITUDE DEG.	LONGITUDE MIN.	LONGITUDE SEC.	SEQ. NO.
1 2	3 4	5 6	7 8	9 10	11	12 13 14	15 16	17 18	19
19	38	42	31	40	N	094	24	30	1

WELL SCHEDULE

US GEOLOGICAL SURVEY

IOWA DISTRICT WRD

WELL NO. 089-16W-14-BB CO. Grundy

OWNER Stout Town Well '56 ADDRESS Stout

DRILLER Hog & Ames DATE DRLD 10/56

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	FREQ. 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
		089	16W		14	BB	08098	1/156TOWN	STOUT, IOWA	M	P	W	1	0			CI				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
	405	3	240	8	X	956				1024		137	D	0556		140			23										B

HYDROGEOLOGIC CARD - C

DUPLICATE CARD A CC 1-19	PHYS-IOG-RAPHY PROV.	SEC.	DRAINAGE BASIN	SUBBASIN	TOPO SETTING	MAJOR AQUIFER SYSTEM	SERIES USGS	SERIES IGS	UNIT	LITH-OLOGY	ORIG.	THICK-NESS	LENGTH WELL OPEN TO	DEPTH TO TOP OF	MINOR AQUIFER SYSTEM	SERIES USGS	SERIES IGS	UNIT	LITH-OLOGY	ORIG.	THICK-NESS	LENGTH WELL OPEN TO	DEPTH TO TOP OF	DEPTH TO CONSOLI-DATED ROCK	SOURCE	DEPTH TO BASEMENT	SOURCE	SURF. MAT. LITH-OLOGY	SURF. MAT. INFIL.	COEF. TRAN SIG. FIG.	COEF. TRAN XIO	COEF. STOR. SIG. FIG.	COEF. STOR. XIO-	GEOL. CARDS 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	E		D	2	ML		L6		191	15	236	D	2	MR		D6			50	353	148	C			T	4						C

CASING AND SCREEN (SIZE, TYPE, INTERVALS):

240' of 8" pipe

CODED BY E. Savage SD DATE 6-7-74

PUNCHED BY Allair DATE 101674

VERIFIED BY DATE

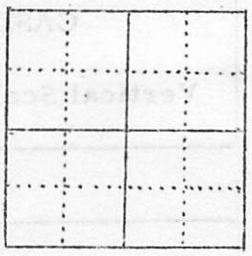
SKETCH ON REVERSE: YES NO



WELL NO 089-16W-14-BB

W 8098

IOWA GEOLOGICAL SURVEY
In Cooperation with U. S. Geological Survey
RECORD OF WELL



Location:

Town: Stout (NE) (SW) :County Grundy

NW NW 14 sec. 14 T. 89 N., R. 16 W. Beaver Twp.

Well name and number _____

Owner Town of Stout Address Stout, Ia.

Tenant _____ Address _____

Contractor Hoeg & Ames Address Lincoln, Ia.

Drillers _____

Drilling dates October, 1956

Well data:

Altitudes: Drilling curb _____ feet; Land surface 1024 feet

Determined by T.H.D. hand level

Topographic position _____

Total depth: Reported 405 feet, Measured _____ feet

Drilling method _____

Hole and casing data 240' of 8" pipe.

Original depth to water 137 ft. above below _____ Date _____

Source of data _____

Sources of water: Principal _____

Others _____

Production Data

Date				
Static water level	137			
Measuring point				
Pumping water level	139			
Yield (g. p. m.)	140			
Duration of pumping				
Specific capacity				

Pump Data

Type pump _____ Column diameter and length _____

Cylinder or bowls diameter and length _____

Suction pipe _____ Airline _____

Power _____ Production _____ g. p. m. for _____ hours per day

Use of water _____

Dissolved constituents and properties (in parts per million except as indicated)

Date sampled				
Sampled by				
Silica (SiO_2)				
Iron (Fe)				
Manganese (Mn)				
Calcium (Ca)				
Magnesium (Mg)				
Potassium (K)				
Sodium (Na)				
Carbonate (CO_3)				
Bicarbonate (HCO_3)				
Sulfate (SO_4)				
Chloride (Cl)				
Fluoride (F)				
Nitrate (NO_3)				
Dissolved solids				
Hardness (as $CaCO_3$)				
Total				
Grains per gallon				
Noncarbonate				
Alkalinity (as $CaCO_3$)				
pH				
Specific conductance (micromhos at 25°C)				
Temperature (°F)				
Analysis No.				

Laboratory Data

EL2-4

Well No. W 8098 Sample range 0-405 No. of samples 34

No. of dupls. and cond. 34 Fair Washed range 148-405

Samples prepared by Darland Date 11/2/56

Logged by Nordhop Date 2/7/57

Correlations by _____ Date 2/8/57

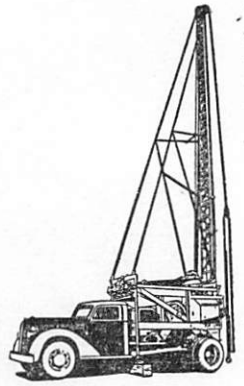
National water well Association
MEMBER

HOEG & AMES, Inc.

WELL CONTRACTORS WELL SUPPLIES

☆ ★ ☆

LINCOLN, IOWA



LOG OF WELL

Town of Stout, Stout, Iowa Grundy Co

Total depth of well - 405 ft.

Static water level - 137 ft.

2 ft. drawdown, pumping at 140 gal. per min.

Tested at 140 gal. per min. at 139 ft.

240 ft. of 8 in. pipe

Formation:

Black dirt	0-3	Ft.
Yellow clay	3-15	Ft.
Gray clay	15-148	Ft.
Rock and shale	148-235	Ft.
Rock	235-405	Ft.

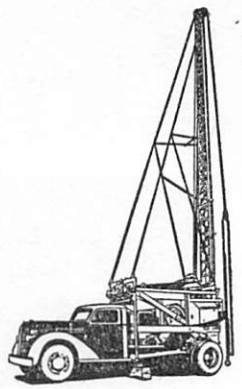
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MEMBER

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☆ ★ ☆

LINCOLN, IOWA



TIME	S.W.L.	PUMPING LEVEL	GAL. PER MIN.	REMARKS
8:00	137			Started pump
8:20	~~137~~	138	112	
8:30		139	140	Water clearing
8:40		139	140	
8:50		139	140	Water clear
9:00		139	140	
9:30		139	140	
10:00		139	140	
10:30		139	140	
11:00		139	140	
11:30		139	140	
12:00		139	140	
12:30		139	140	Rained - stopped pump
1:30	137			Started pump
2:00		139	154	
2:30		139		
3:00		139	160	
3:30		139	160	
4:00		139		Rained - stopped pump

TOWN OF STOUT, IOWA # OCTOBER 25, 1956

1 HR. PUMPED OCTOBER 24, 1956

Stout (Grundy)

JAN 12 1956

Water Shortage In The Town of Stout

There is a serious water shortage in the town of Stout, with a population of 135 people. There is but one well in the town that has an adequate supply of water. It is the property of the Reformed church. Residents from all over town have been getting their water for several weeks from the church well. It is a big chore for people from all over town to come to one place to get their water and to carry it home. But there is nothing they can do about it. The wells in the town, except the one at the church, are shallow wells in which the flow of water stops during a long siege of dry weather. The town has never before had such a water shortage.

MAY 10 1956

Stout Will Vote On Waterworks Proposal June 6

A special election will be held in the town of Stout on June 6th to vote on the proposal to construct a municipal waterworks system in the town at a total cost not to exceed $16,000 and contracting an indebtedness for such purpose not to exceed $12,000 and to issue bonds for that amount to be paid from property taxes. The levy to meet this obligation is not to be more than 12 mills per year for the payment of the bonds and interest. The remainder of the construction costs of the waterworks system is to be financed by the issuance of revenue bonds to be retired from water rentals paid by the users.

The water shortage in the town of Stout has been a serious problem during the past year, as nearly all of the wells were dry. Residents have had to get water from the neighbors who still had a supply of water in their wells.

The tax levy in Stout will be much lower next year because Stout has been made a portion of the Dike school district. The school levy in Stout for the year is 31 mills. In the Dike district it is but 17 mills, a reduction of 14 mills in the school levy. If the waterworks system is voted and the 12 mills added to the tax levy, the total levy will still be below what taxpayers in Stout are paying this year.

If a waterworks system is established in Stout, property owners will save a substantial amount each year because of a lower fire insurance rate that will be set for the property in the town.

AUG 2 1956

NOTICE OF PUBLIC HEARING ON PROPOSED PLANS, SPECIFICATIONS AND FORM OF CONTRACT FOR THE CONSTRUCTION OF A WATER SYSTEM IN THE TOWN OF STOUT, IOWA, AND THE RECEIVING OF BIDS FOR THE CONSTRUCTION OF SUCH IMPROVEMENT.

Notice is hereby given that the Town Council of the Town of Stout, Iowa, will meet on the 27th day of August, 1956, at 7:30 o'clock P.M. in the Council Room of the Town Hall in the Town of Stout, Iowa, at which time and place said Council proposes to adopt plans, specifications and form of contract and will receive bids and enter into contract for the construction of a water system located in Stout, Iowa.

Said water system shall consist in general of the following:

SECTION A: (Well)

25 feet hole for 12 inch temporary casing.
25 feet 12 inch (Setting only) temporary casing.
185 feet hole for 8 inch casing.
212 feet 8 inch casing.
150 feet 8 inch hole.
10 hours pumping test.

SECTION B1, Complete Water Mains

Including materials and labor as follows:
1601 lin. ft. 4 inch cast iron Water Mains.
3281 lin. ft. 2 inch cast iron Water Mains.
3 Hydrants, 4 inch.
8 Hydrants, 2 inch.
7 Valves, 2 inch.

SECTION B2

Bids will be considered for just the materials specified in Section B1.

SECTION B3

Bids will be considered for the construction only of the mains set forth in Section B1 with the materials to be furnished by others.

All items required to fully complete the contemplated improvement are set forth and described in the plans and specifications, copies of which may be obtained from the Town Clerk of Stout, Iowa, or from Schenk Engineering Company, Waterloo, Iowa.

These improvements are being constructed by authority granted the Municipality under Chapters 397 and 407, Code of Iowa, 1954.

All bids shall be on the form provided in the specifications and shall be sealed and shall be filed with the Town Clerk of Stout, Iowa, on or before the time herein fixed for said meeting, and will be publicly opened and read. All bids shall be accompanied by a certified check in the amount of not less than 10% of the amount of the bid and shall be made payable to the Town of Stout, Iowa, and shall be enclosed in a separate envelope from that containing the bid.

If the successful bidder shall refuse to enter into a contract and perform the work, the check may be cashed, and the proceeds thereof shall be forfeited to the Town of Stout, Iowa, as agreed liquidated damages. The checks of all unsuccessful bidders, except the three low bids, will be returned immediately. The checks of the three low bidders will also be returned as soon as a contract has been signed and satisfactory bond furnished.

The contractor will be paid for the work done under this contract in cash derived from the sale of General Obligation Bonds and Water Revenue Bonds, such Revenue Bonds shall not be General Obligations, but shall be payable solely from the net future earnings of the Municipal Water System, and are not payable in any manner by taxation.

The contractor shall commence construction by the 15th day of September, 1956, and entirely complete the project by the 1st day of December, 1956.

At said time and place the Town Council will receive and consider any objections to said plans, specifications, form of

NOTICE OF APPOINTMENT OF EXECUTOR

STATE OF IOWA, Grundy County, ss.

Notice is hereby given, that the undersigned has been duly appointed and qualified as Executor of the estate of Wesley H. Bine, late of Grundy County, deceased. All persons indebted to said estate are requested to make immediate payment; and those having claims against the same will present them, duly authenticated, to the undersigned for allowance.

Dated July 16, 1956.

Arthur W. Bine, Executor.

(Willoughby, Strack & Sieverding, Attys.)

29-3

Town of Stout, Iowa, this 26th day of July, 1956.

George Syhlman,
Mayor of Stout, Iowa.

Attest: Gene Galpin, Town Clerk of Stout, Iowa.

30-2