5746 DL

WELL SCHEDULE

US GEOLOGICAL SURVEY

IOWA DISTRICT WRD

WELL NO. 075-12W-12 CB CO. Keokuk

OWNER Sigourney Town Well #2 ADDRESS Sigourney

DRILLER Hoeg & Ames DATE DRLD. 12-9-52

MAP

SOURCE OF DATA E/E

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

MASTER CARD - A (9-26-69, RP 1-26-73)

STATE	COUNTY	LATITUDE DEG.	LATITUDE MIN	LATITUDE SEC	LAT 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	54	41	18	50	N	092	11	50	1

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
	3	075	12	W	12	CB	05746	1 1 52 T OWN 2	SIGOURNEY	M	P	W		Ø							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	S.P. 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
	35	3	19	16	S	C 9 52				6657		90	D	52		140		143		6								B

HYDROGEOLOGIC CARD - C

DUPLICATE CARD A CC 1-19	PHYS-IOG-RAPHY PROV.	SEC.	DRAINAGE BASIN	SUBBASIN	YORD SETTING	MAJOR AQUIFER SYSTEM	SERIES USGS	SERIES IOS	UNIT	LITH-OLOGY	ORIG.	THICK-NESS	LENGTH WELL OPEN TO	DEPTH TO TOP OF	MINOR AQUIFER SYSTEM	SERIES USGS	SERIES IOS	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-	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	C		Q	G	G	X	R	O		16	11														6	Q	2						C

CASING AND SCREEN (SIZE, TYPE, INTERVALS):

- 14.2' of 20" OD Pipe to 14.2'

18.8' of 16" OD Pipe 0-18.8'

17' of Screen 17'-34½' 16".

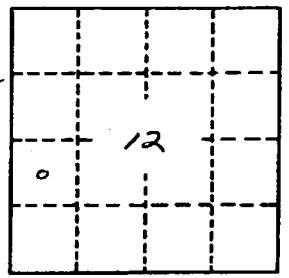
- main source of water in sand and gravel.

CODED BY E. Savage 3rd DATE 11-25-74

PUNCHED BY [illegible] DATE 2-4-75

VERIFIED BY DATE

SKETCH ON REVERSE: YES NO

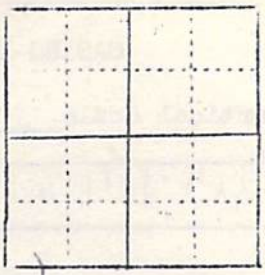


WELL NO. 075-12W-12 CB.

IOWA GEOLOGICAL SURVEY
In Cooperation with U. S. Geological Survey

W 5746

RECORD OF WELL



Location:

Town: Sigourney (N E / S W) :County Keokuk E.

NW SW sec. 12 T 75 N., R. 12 W. _____ Twp.

Well name and number Sigourney Town Well No. 2 (1952)

Owner Town of Sigourney Address _____

Tenant _____ Address _____

_____

Contractor Hoeg & Ames Address _____

Drillers Ed Martin

Drilling dates finished Dec. 9, 1952

Well data:

Elevations: Drilling curb _____ feet; Land surface 665 feet

_____

_____

Determined by _____

Topographic position _____

Total depth: Reported 34 feet, Measured _____ feet

_____

Drilling method Cable tool

Hole and casing data 15' of 20" O.D. casing set at 14.2'; 20.7' of 16" O.D. pipe (temporary) set at 18.8' below surface; 17' of screen from 17 to 34'; Screen from top to bottom = 1'7" lead seal & blank, 7'0" 25' slot, 5'0" 5' slot, 2'0" 30' slot, 1'5" fitting & blank

Original depth to water 8.85 ft. above / below Date 12/11/52

Original elevation of water level _____ ft.; Source of data _____

_____

Sources of water: Principal sand & gravel; Others _____

_____

Production data: Date Dec. 11, 1952

Static depth to water 8.85 Measuring point

Pumping level 22.85± at 140 g.p.m. for 6 hours

Specific capacity g.p.m. per ft. drawdown; Temperature °F.

Pump data: Type pump Column Dia. Length

Cylinder or bowls: Dia. Length Suction pipe

Power Airline

Estimated rate of production: g.p.m. for hrs. a day

Use of water

WATER ANALYSES (in parts per million)

Date samples				
Sampled by				
Total solids				
Insoluble matter				
Alkalinity (Meo)				
Alkalinity (Phn)				
pH				
$Fe_2O_3+Mn_2O_3+Al_2O_3$				
Alkali as sodium				
Calcium				
Magnesium				
Iron (unfiltered)				
Manganese				
Nitrate				
Fluoride				
Chloride				
Sulfate				
Bicarbonate				
Hardness (ppm)				
Hardness (gpg)				

Remarks

Laboratory data: Sample storage location EA3-8

Sample range 0-35 No. spls. 14 No. dupls. & Cond. 14 good

Spls. prepared by DeRoma Washed range — by —

Driller's log and cond.

Insoluble residues: Prepared by Studied by Strip log

Microscopic study strip log 1/5/53

Gen. log Correl. by NORTHUP