5705 DL

MASTER CARD - A

STATE	COUNTY	LATITUDE DEG.	LATITUDE MIN	LATITUDE SEC	LATITUDE 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	52	N	092	11	43	2

WELL SCHEDULE

US GEOLOGICAL SURVEY

IOWA DISTRICT WRD

put in operation

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

OWNER Town of Sigourney "Test 1-B" ADDRESS Sigourney

DRILLER Hoeg & Ames DATE DRLD 10-52

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
	2	075	12	W	12	CBA	05705	1/52 TOWN T1B SIGOURNEY		M	P	W		Ø							Ø	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
		3	23		19	16	SC	952			6667		90		052		98		123		24								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	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-	SPECIAL CARD DESIG.	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
	1	2	E25	C	V	Q	G	G	X	R	O		13	9														S	1						C

CASING AND SCREEN (SIZE, TYPE, INTERVALS):

From Drlrs Log

-16' O.D. Pipe with Lead Seal joining 16" pipe to screen; top of screen at 649.50'; screen 15'2" with 2' lap.

Bottom of screen at 32' with 13'2" of screen exposed. 16" screen 14½" OD; 7' of 30-slot at top followed by 1' of 60-slot and 4' of 125-slot.

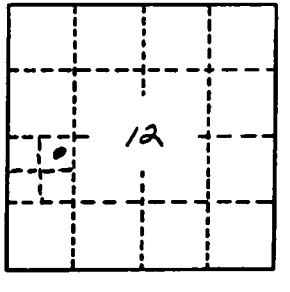
- Water from Pleistocene Sand and Gravel.

CODED BY E. Savage jr DATE 11-25-74

PUNCHED BY [illegible] DATE 2475

VERIFIED BY DATE

SKETCH ON REVERSE: YES NO

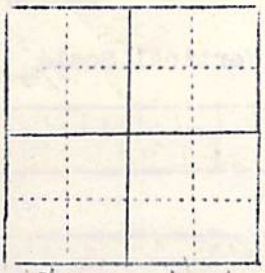


WELL NO. 075-12W-12 CBA

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

W 5705

RECORD OF WELL



Location:

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

NE NW SW sec. 12 T 75 N., R. 12 W. 5th P.M. Twp.

Well name and number Sigourney Town Test 1-B (Put into production)

Owner Town of Sigourney Address

Tenant Address

Contractor Hoeg & Ames Address

Drillers Ed Martin

Drilling dates Oct. 1952

Well data:

Elevations: Drilling curb 667.74 feet; Land surface 666.00 feet

Drilling curb is top 16-inch casing

Determined by Stanley Engineers, Muscatine

Topographic position Valley bottom

Total depth: Reported 32 feet, Measured feet

Drilling method Cable tool

Hole and casing data 16" O.D. pipe with lead seal joining 16" pipe to screen; top of screen at 649.57'; screen 15'2" with 2' lap. Bottom of screen at 32' with 13'2" of screen exposed. 16" screen 14 1/4" O.D.; 7' of 30-slot at top followed by 1' of 60-slot and 4' of 125-slot

Original depth to water 9.45 ft. above (below) curb Date 11/3/52 9.57 a.m.

Original elevation of water level ft.; Source of data

Sources of water: Principal Pleist. sd. & gr.; Others

CASING DIAGRAM | LOG

Vertical Scale _____ Driller's log

0-3'	Top Soil
3-6'	Sdy clay -
6-17'	Muddy sand - brown
17-22'	Sand
22-29'	Sand & gravel
29-32'	Fine sand

Production data: Date Nov. 3, 1952

Static depth to water 9.45 Measuring point curb 667.74' a.s.l.
Pumping level 21.80 at 98 g.p.m. for 24 hours

Specific capacity _____ g.p.m. per ft. drawdown; Temperature 53 °F.

Test Pump data: Type pump turbine Column Dia. 3½" Length _____
Cylinder or bowls: Dia. _____ Length 28' Suction pipe 3' of foil p'pe
Power Gas Motor 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 EA2-1
Sample range 0-32 No. spls. 13 No. dupls. & Cond. 13 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 12/2/52
Gen. log _____ Correl. by Northup