8000

MASTER CARD - A

9-26-69
RP 1-26-73

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	54	41	28	00	N	092	14	00	1

WELL SCHEDULE

US GEOLOGICAL SURVEY

IOWA DISTRICT WRD

WELL NO. 077-12W-15C CO. Keokuk

OWNER Keswick Town Well 1956 ADDRESS Keswick

DRILLER Thorpe Well Co. DATE DRLD 9-7-56

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
	4	077	12	W	15	C	0800	d	KESWICK	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.	DRAWDOWN (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
	39	3			S	R956					7853		7	D956		40		23	3										B

HYDROGEOLOGIC CARD - C

DUPLICATE CARD A CC 1-19	PHYSIOGRAPHY PROV.	PHYSIOGRAPHY SEC.	DRAINAGE BASIN	SUBBASIN	TOPO SETTING	MAJOR AQUIFER SYSTEM	SERIES USGS	SERIES ISS	UNIT	LITHOLOGY	ORIG.	THICKNESS	LENGTH WELL OPEN TO	DEPTH TO TOP OF	MINOR AQUIFER SYSTEM	SERIES USGS	SERIES ISS	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. X10	COEF. STOR. SIG. FIG.	COEF. STOR. X10	WQ DATA CARD	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	E	25	D		Q	Q	X		G	O		34														6	S	1						C

CASING AND SCREEN (SIZE, TYPE, INTERVALS):

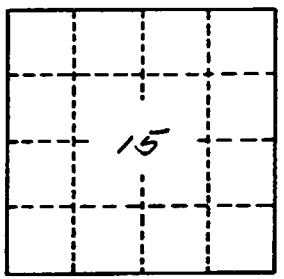
casing with screen to Bottom.

CODED BY E. Savage 9m DATE 12-06-84

PUNCHED BY [illegible] DATE 2-4-75

VERIFIED BY DATE

SKETCH ON REVERSE: YES NO



WELL NO. 077-12W-15C

W 8000

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

RECORD OF WELL

Location: WELL IS .6 OF MILE NORTH OF TOWN LIMITS ON EAST SIDE OF ROAD BEYOND CREEK (N E)
Town: KESWICK (S W) :County KEOKUK
E.
SW sec. 15 T. 77 N., R. 12 W. Twp.

Well name and number KESWICK TOWN WELL (1956)

Owner TOWN OF KESWICK Address

Tenant Address

Contractor THORPE WELL CO. Address DES MOINES

Drillers

Drilling dates COMPLETED SEPT. 7, 1956

Well data:
Altitudes: Drilling curb feet; Land surface feet

Determined by

Topographic position RIVER BOTTOM

Total depth: Reported 39' feet, Measured feet

Drilling method ROTARY

Hole and casing data

CASING WITH SCREEN TO BOTTOM - WELL IS GRAVEL PACKED

PUMP SET @ 37'

Original depth to water 7' ft. above below Date

Source of data

Sources of water: Principal GRAVEL

Others

Production Data

Date				
Static water level	7'			
Measuring point				
Pumping water level	30' 2"			
Yield (g. p. m.)	40 G.P.M.			
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

EK7-8

Well No. W 8000 Sample range 0-39' No. of samples 9

No. of dupls. and cond. 9 Good Washed range _____

Samples prepared by Parland Date 9-18-56

Logged by Northup Date 1/31/57

Correlations by _____ Date 1/31/57

The Keswick Town Well was checked on the way home. Total depth of well is 39' in valley sands. Static water level was 7 feet, and drew down to 30 feet 6 inches, pumping at rate of 37 gpm. Well will be pumped until 11:30 a.m. today and Smith and I are to return to check the recovery and collect a water sample. The water yesterday was quite cloudy and perhaps it will clear up by today. All things considered it doesn't look like a very favorable well.

9-6-56