7374

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 | 04 | 13 | 11 | 18 | N | 093 | 06 | 55 | 2 |

# WELL SCHEDULE

US GEOLOGICAL SURVEY

IOWA DISTRICT WRD

WELL NO. 078 20 W 36 BBA CO. JASPER

OWNER Monroe Township #4 ADDRESS Monroe

DRILLER Beginkool DATE DRLD March 22-29 1955

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. | LAB. | HYD. | 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 | 078 | 20W | | 36 | BBA | 07374 | / / 55 T | MONROE | M | P | W | 1 | 0 | | | C | I | | | 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 |
| | 73 | 3 | 140 | 10 | X | C | 955 | | | | | 8507 | | 85 | D | 35 | 55 | | | 30 | 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 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 | 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 |
| | 1 | 2 | 05 | 4 | V | N | D | K | | V | G | | 111 | 90 | | | | | | | | | | 250 | | | | 90 | | | | | | | C |

CASING AND SCREEN (SIZE, TYPE, INTERVALS):

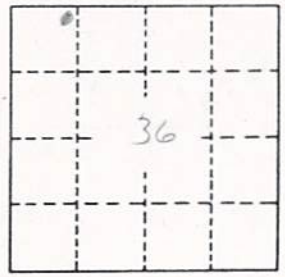
140' OF 10" CASING TO 140

CODED BY Lemoel White 59 DATE 4-24-74

PUNCHED BY " " DATE

VERIFIED BY DATE

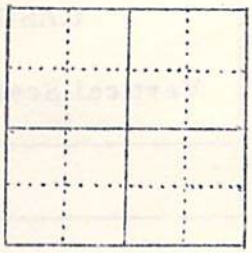
SKETCH ON REVERSE: YES NO




WELL NO 078 20W 36 BBA

W 7374

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



Location:

Town: Monroe (N E) (S W) :County Jasper

sec. 36 T. 78 N., R. 20 W. Twp.

Well name and number Monroe Town Well (1955)

Owner → Address

Tenant Address

Contractor Art Bruinekool Address

Drillers Grover "

Drilling dates March 22-29, 1955

Well data:

Altitudes: Drilling curb feet; Land surface feet

Determined by

Topographic position Valley

Total depth: Reported 251 feet, Measured feet

Drilling method Cable

Hole and casing data 142' of 40# 10" casing from +2' to 140'

Original depth to water 85 ft. above (below) Date

Source of data

Sources of water: Principal 140-250' sandstone

Others

## Production Data

| | | | | |
|---|---|---|---|---|
| Date | 3/30/55 | | | |
| Static water level | 85 | | | |
| Measuring point | | | | |
| Pumping water level | 115 | | | |
| Yield (g. p. m.) | 55 | | | |
| 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

Well No. W 7374 Sample range 0-251' No. of samples 51

No. of dupls. and cond. 51 Good Washed range 35'-251'

Samples prepared by Johnson Date 11-18-55

Logged by NORTHUP Date 1/17/56

Correlations by NORTHUP Date 1/17/56

EH7-10