WRD Exp. (GW)
April 1966

PUNCHED KW VERIFIED K.L.
ROLLA COMPUTATION BRANCH

Well No. 076-18W-03 BDDD

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

MASTER CARD

Record by D. AARONSON | Source of data FILE | Date 3/22/68 | Map 1:63,360 COUNTY HWY.

State IOWA [16] | County (or town) MARION [63]

Latitude: 41 24 50 N | Longitude: 092 55 05 | Sequential number: 1

Lat-long accuracy: 2 | T. 76 N, R 18 E | Sec 3, SESE ¼, SE ¼, NW ¼ 5

Local well number: 076 18W03BDDD | Other number: W-0069 B & M

Local use: 00069 96CITY | Owner or name: PELLA CITY WELL

Owner or name: PELLA IOWA | Address: PELLA, IOWA

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist — [M]

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Mnd, (N) Ind, (P) PS, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other — [F]

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed — [W]

DATA AVAILABLE: Well data [4] | Freq. W/L meas.: NONE [N] | Field aquifer char. [ ]

Hyd. lab. data: [ ]

Qual. water data; type: COMPLETE [C]

Freq. sampling: INVENTORY [0] | Pumpage inventory: yes / no, period: [ ]

Aperture cards: yes [ ]

Log data: GEOLOGIST LOG [G]

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD | Depth well: 1803 ft [1803] | Meas rept accuracy: DRILLER'S LOG [3]

Depth cased; (first perf.): 1200 ft [1200] | Casing type: STEEL ; Diam. ____ in

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other — [X]

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other

Date Drilled: 1896 [896] | Pump intake setting: ____ ft

Driller: J. P. MILLER (name), CHICAGO, ILL. (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other — Deep / Shallow [D]

Power (type): diesel, elec, gas, gasoline, hand, gas, wind; nat, LP; H.P. ____ | Trans. or meter no. ____

Descrip. MP: LSD ft above/below LSD. Alt. MP 868

Alt. LSD: 868 [8688] | Accuracy (source): ALTIMETER [7]

Water Level ____ ft above/below MP; Ft above/below LSD [ ] | Accuracy: [ ]

Date meas: [ ] | Yield: 250 gpm [250] | Method determined [ ]

Drawdown: ____ ft [ ] | Accuracy: [ ] | Pumping period ____ hrs [ ]

QUALITY OF WATER DATA: Iron 4 ppm [6] | Sulfate 4678 ppm [9] | Chloride 775 ppm [5] | Hard. 1829 ppm [9]

Sp. Conduct ____ K x 10^6 [ ] | Temp. ____ °F [ ] | Date sampled BEFORE 1911 [ ]

Taste, color, etc. [ ]

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Latitude-longitude 41, 24, 50 N S 092, 55, 05.1 W E
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD [1] Physiographic Province: CENTRAL LOWLAND [20 21: 12] Section: DISSECTED

TILL PLAIN [22: E] Drainage Basin: SKUNK [23 25: 25C] Subbasin: [26]

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (Φ) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat [27]

MAJOR AQUIFER: ORDOVICIAN (system), MIDDLE (series) [28 29: 02] ST. PETER (aquifer, formation, group) [30 31: MP]

Lithology: MEDIUM SANDSTONE [32 33: 3V] Origin: MARINE [34: 6] Aquifer Thickness: 25 ft

[35 37: 25] Length of well open to: 25 ft [38 40: 25] Depth to top of: 1685 ft [41 43: A68]

MINOR AQUIFER: ORDOVICIAN (system), LOWER (series) [44 45: 01] PRAIRIE DU CHIEN (aquifer, formation, group) [46 47: LP]

Lithology: CHERTY DOLOMITE [48 49: QD] Origin: MARINE [50: 6] Aquifer Thickness: [51 53:] ft

[51 53:] Length of well open to: 93 ft [54 56: 93] Depth to top of: 1710 ft [57 59: A71]

Intervals Screened: NONE

Depth to consolidated rock: 192 ft [60 63: 192] Source of data: WELL CUTTINGS [64: C]

Depth to basement: [65 68:] ft Source of data: [69]

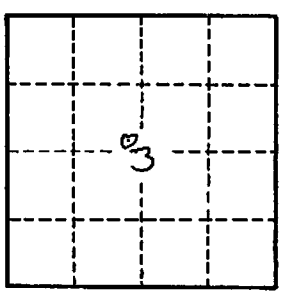
Surficial material: SANDY TILL [70 71: ST] Infiltration characteristics: POOR [72: 4]

Coefficient Trans: [73 75:] gpd/ft Coefficient Storage: [76 78:]

Coefficient Perm: [ ] gpd/ft^2; Spec cap: [ ] gpm/ft; Number of geologic cards: [79]

CASING:

1,200 FT. OF TUBING.



Well No. 076-18W-03 BDDD

GPO 857-700