FORM 9-1642
(1-68)

Well No. J4

WELL SCHEDULE

E-log #13

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

PUNCHED and VERIFIED
ROLLA COMPUTATION BRANCH

MASTER CARD

Record by CJ Source of data msgs Date 10/65 Map

State 28 County (or town) Webster 78

Latitude: 33 32 21 N Longitude: 089 07 27 Sequential number: 1

Lat-long accuracy: 3 T. 19 N R. 11 E Sec. 3, SE ¼, SE ¼, NE ¼ B & M

Local well number: J004DA0319N11E Other number: 1

Local use: 064013 Owner or name: Test #1 (Well #1)

Owner or name: MATHISTON Address: Mathiston

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) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other P

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 Freq. W/L meas.: O Field aquifer char.

Hyd. lab. data:

Qual. water data; type: MSGOH 10/67 USGS 11/70 C

Freq. sampling: Pumpage inventory: yes / no period:

Aperture cards: yes

Log data: D E

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 2236 ft 2235 Meas. rept accuracy 4

Depth cased; (first perf.) ft 2174 Casing type: Diam. 10X6 in 10

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., screen, sd. pt., (S) 6"x6", (W) shored, (X) open hole, (Z) other S

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 H

Date Drilled: 965 Pump intake setting: ft

Driller: Layne name 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

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

Descrip. MP 405 ft above below LSD, Alt. MP

Alt. LSD: Accuracy: (source) topo 4

Water Level ft above below MP; Ft above below LSD 204 Accuracy: D

Date meas: 965 Yield: 317@ gpm 317 Method determined

Drawdown: 20'@317gpm ft Accuracy: Pumping period hrs

QUALITY OF WATER DATA: Iron ppm Sulfate ppm Chloride ppm Hard. ppm

Sp. Conduct 1200 K x 10^6 5 Temp. 33.5°C 335 Date sampled 11-19-70 N70

Taste, color, etc. pH-7.9 Fe-.3 Cl-330 TS-665

10/6/78
WL=228.10

Well No.

Well No. J4

Latitude-longitude N/S d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: 03 (20–21) Section:

D (22) Drainage Basin: 1 5 K (23–25) Subbasin: (26)

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

MAJOR AQUIFER: system, series K 3 (28–29) Tuscaloosa-Coker (30–31) C Ø

Lithology: R (32–33) Origin: 2 (34) Aquifer Thickness: ft

1 1 1 (35–37) Length of well open to: ft 6 1 (38–40) Depth to top of: 2119 ft B 1 2 (41–43)

MINOR AQUIFER: system, series (44–45) aquifer, formation, group (46–47)

Lithology: (48–49) Origin: (50) Aquifer Thickness: ft

(51–53) Length of well open to: ft (54–56) Depth to top of: ft (57–59)

Intervals Screened: ± 2174 - 2235 ft 61' x 6"

Depth to consolidated rock: ft (60–63) Source of data: (64)

Depth to basement: ft (65–68) Source of data: (69)

Surficial material: (70–71) Infiltration characteristics: (72)

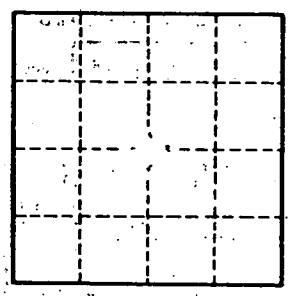
Coefficient Trans: gpd/ft (73–75) Coefficient Storage: (76–78)

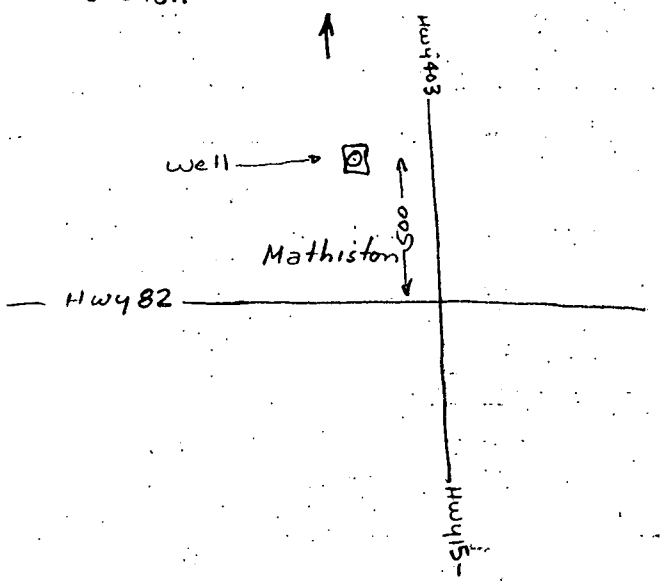
Coefficient Perm: gpd/ft²; Spec cap: gpm/ft; Number of geologic cards: (79)

20 dd @ 317 gpm • 70 ft

80,000 } storage
55,000 }

S.L. McLain
Town Marshall





pump set @
260' col.
21' suction
290'

Well No.

GPO 937-142