HDH 530013-01 GW-2507

FORM 9-1642 (1-68)

Well No. J9 permitted

WELL SCHEDULE

#36

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

PUNCHED and VERIFIED ROLLA COMPUTATION BRANCH

MASTER CARD

11/64

Record by WTD Source of data Obs Bowc Date 6/69 Map STURGIS 153-D

State 28 County (or town) Oktibbeha 53

Latitude: 33 19 00 N/S Longitude: 088 50 50 Sequential number: 1

Lat-long accuracy: 3 (deg 7 min 9 sec) T 17 N, R 12 E, Sec 23 NW ¼, SE ¼, SW ¼, SW ¼ B & M

Local well number: J 09 D 23 17 N 12 E Other number:

Local use: 053 Owner or name: Morgan Chapel Wt. Assoc.

Owner or name: MORGAN CHAPEL Address: S. of Sturgis Springs

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

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.: Φ ; Field aquifer char.

Hyd. lab. data: C

Qual. water data; type: USGS 3/72

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

Aperture cards: yes

Log data: DE

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: ft 2313 Meas. rept 3

Depth cased; (first perf.) Split screen ft 1750 Casing type: Steel ; Diam. 8x4 accuracy in 8

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (Φ) open end, (P) perf., screen, sd. pt., (S) shored, (T) open hole, (W) 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: 10/64 9 6 4 Pump intake setting: ft

Driller: T. M. PARKS (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 S Deep Shallow

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. 15 V Trans. or meter no.

Descrip. MP hole in top of casing 1.2 ft above/below LSD, Alt. MP

Alt. LSD: 3 2 5 Accuracy: (source) 6

Water Level 160.8 ft above/below MP; Ft above/below LSD 1 6 0 Accuracy: A

Date meas: 10/64 3 7 2 Yield: gpm 1 0 0 Method determined 4

Drawdown: ft Accuracy: Pumping period hrs

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

Sp. Conduct 1400 K x 10^6 5 Temp. °F 3 2 5 Date sampled 3 7 2

Taste, color, etc. pH = 7.8

Well No. J9

WL Data 11/15/82 WL = 181.35 168.65

9/19/78 WL: 171.95 178.05

Well No. J9

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: 136 (23–25) Subbasin: _____ (26)

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

MAJOR AQUIFER: _____ system, _____ series, K3 (28–29) _____ aquifer, formation, group, 00 (30–31) ≠ Cp

Lithology: _____ W3 (32–33) Origin: _____ 3 (34) Aquifer Thickness: _____ ft

(35–37) Length of well open to: _____ ft, 80 (38–40) Depth to top of: _____ ft (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: _____

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/ft^2; Spec cap: _____ gpm/ft; Number of geologic cards: _____ (79)

WL, 10/64, by driller = 168 ft.

6,000 pressure storage tank

8" 550'

4'12"

1750-1790 90' screen

2½" 2313 TD

No way to measure Q for pumping test. No treatment

N

Town of Sturgis BP Gas St Hwy 12 .7mi. 1.3 Well J9

12-4-90
MP = .8'
Hold = 205'
Cut = 7.96'

196.24

153.76 > SL

10/19/92
WL = 196.42

Well No. J9

GPO 937-142