No driller's log

GW01544 Irrigation Well

WRD Exp. (GW)
April 1966

Well No. L1

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION L1

Hickory Quad

PUNCHED and VERIFIED ROLLA COMPUTATION BRANCH

MASTER CARD

Record by J.A. Callahan Source of data T. Sanders Date 11-15-66 Map ~~Decatur~~ ~~Advance Sheet~~ SE

State Miss. [2 8] County (or town) Newton [5 1]

Latitude: [3 2 2 0 0 0 N] N/S Longitude: [0 8 9 0 4 5 9] Sequential number: [1]

Lat-long accuracy: [2] T. 6 (N) S, R 12 (E) W, Sec 28, ~~SE~~ ~~NE~~ ¼, ¼ SW/SW/NW B & M

Local well number: [L 0 0 1 D A 2 9 0 6 N 1 2 E] Other number:

Local use: [0 6 4] Owner or name: Coastal Plain Expt Sta

Owner or name: [M I S S . E X P . S T A .] Address: Newton

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

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, **(I) Irr** (circled), (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 IR [I]

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** (circled), (X) Waste, (Z) Destroyed [W]

DATA AVAILABLE: Well data [9] Freq. W/L meas.: [N] Field aquifer char. [ ]

Hyd. lab. data: [ ]

Qual. water data; type: MSBOH Partial 2-2-67 [P]

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

Aperture cards: MUWX yes [ ]

Log data: electric log #17 [ ]

12/1/88
WL = 39.11

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 422 ft [4 2 2] Meas. (rept) accuracy [6]

Depth cased: (first perf.) 382' ft [3 8 2] Casing type: Steel; Diam. 6x4 in [6]

40' 4" Wire wrapped Screen

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

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

Date Drilled: May ~~54~~ 55 [9 5 4] Pump intake setting: ft [ ]

Driller: Layne Central Co (name), Jackson (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** (circled), (Z) other [T] Deep Shallow [D]

Power (type): diesel, **elec** (circled), nat gas, gasoline, hand, LP gas, wind; H.P. [5] Trans. or meter no.

Descrip. MP 356 ft above/below LSD. Alt. MP

Alt. LSD: 360 [3 6 0] Accuracy: (source) Plem. Topo CI 10 [4]

Water Level 24' 6" ft above/below MP; Ft above/(below) LSD [2 3] Accuracy: Rept [6]

Date meas: 3-~~58~~ [3 5 ~~8~~] Yield: 350 gpm [3 5 0] Method determined [ ]

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

QUALITY OF WATER DATA: Iron 1.6 ppm [5] Sulfate ppm [ ] Chloride 40 ppm [2] Hard. 39 ppm [2]

Sp. Conduct 200 K x 10⁶ [2] Temp. °F [ ] Date sampled [2 6 7]

Taste, color, etc.

11/13/5? held 370
wet 345.37
WL 24.63
MP - 1.76' - airline above LSD
WL ~~below~~ below LSD - 22.85'

360
23
337

350 gpm

Well No. L-1

Latitude-longitude 32 20 00 N 089 04 59 W
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: _____ [131P] (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) [S]

MAJOR AQUIFER: Tertiary (system), Eocene (series) [TE] (28–29) _____ aquifer, formation, group [MW] (30–31)

Lithology: _____ [US] (32–33) Origin: _____ [2] (34) Aquifer Thickness: _____ ft

(35–37) Length of well open to: _____ ft [30] (38–40) Depth to top of: _____ ft [172] (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)

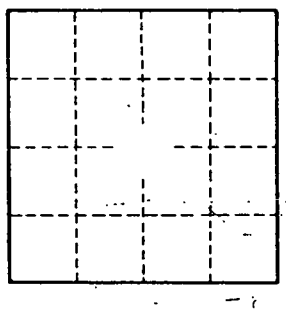
Surficial material: _____ (70–71) Infiltration characteristics: _____ (72)

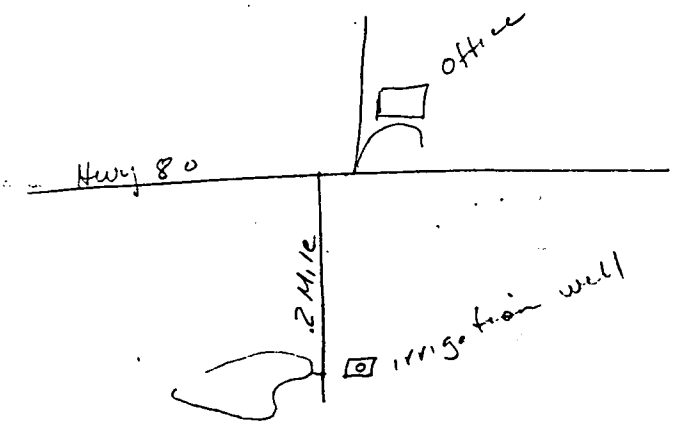
Coefficient Trans: _____ gpd/ft (73–75) Coefficient Storage: _____ (76–78)

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

Log #17

382' of 6" Casing
10' 7" of 4" inner casing
40' of 4" screen





Well No. L-1

GPO 857-700

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR-

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME (S) : DATE 9-22-2004

UNIT DEQ # : _____ FILE # : _____

HEALTH DEPT. ELEVATION :

USGS # : L1 GW01544

OWNER COASTAL PLAIN BRANCH EXP. QUAD : HICKORY

LOCATION : S 28 T 6N R 12E COUNTY NEWTON

LOCATION DESCRIPTION : FROM OLD HY 80 ACROSS FROM FIELD STATION, TAKE FIELD ROAD SOUTH FOR .2 MILES WELL IS UNUSED ANS ON EAST SIDE OF ROAD.

CASING DIA : 6 PUMP TYPE & SIZE TURB

GPS FIELD LOCATION : LAT 32.33442 LONG. -89.08320

GPS CORRECTED LOCATION : LAT . LONG.

REMARKS :

Department of Environmental Quality
Office of Land and Water Resources

Ground Water Permit
General Report

Permit Number: MS-GW-01544

County: NEWTON **Owner:** COASTAL PLAIN BRANCH EXPERIMENT STATION

Aquifer: MUWX **USGS No:** L0001 **BOH No:** N/A

Location: SW **1/4 of the** NW **1/4 of SEC** 28 **TWN** 06N **RNG** 12E **Lat:** 321956 **Long:** 890459

Quad: HICKORY **District:** N/A

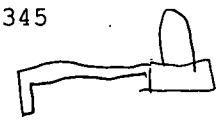
Date Issued: 14-JUL-87 **Date Renewed:** 13-MAY-97 **Date Expired:** 13-MAY-07

Applicant: COASTAL PLAIN ERANCH EXPERIMENT STATION
Address 1: RT. 2 BOX 150-C
Address 2: N/A
Address 3: N/A
City: NEWTON
State: MS **Zip:** 39345

Driller: LAYNE CENTRAL COMPANY

Owner: COASTAL PLAIN BRANCH EXPERIMENT STATION
Address 1: RT. 2 BOX 150-D
Address 2: N/A
Address 3: N/A
City: NEWTON
State: MS **Zip:** 39345

PC 0144
NOT IN USE



32.33442
89.08320

~~Old~~ Hy. Take Field road across from MS Field Station go .2 miles South. Well on East side of Road

Maximum Rate: 178
Amount Withdrawn Acre feet: 36
Amount Withdrawn Mgd: .0321

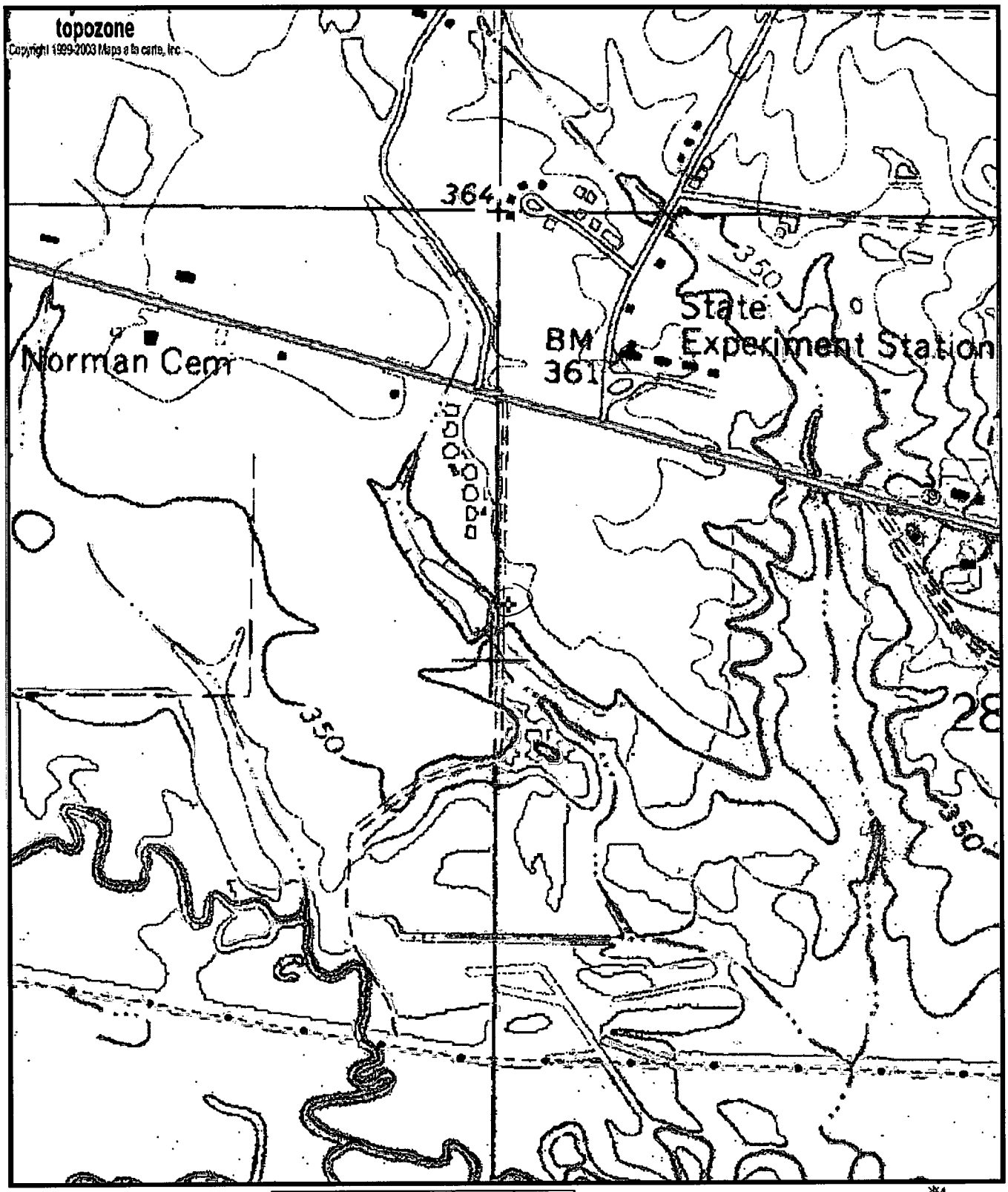
Use
IRRIGATION

Casing
Type: STEEL
Diameter: 6
Length: 422

Screen
Type:
Diameter: 4
Length: 40

906898

COASTAL PLAIN BRANCH L1
GW-01544 NEWTON CO.
9-22-2004 32.33442--89.08320



L1
GW01549

0 0.1 0.2 0.3 0.4 0.5 km

0 0.09 0.18 0.27 0.36 0.45 mi

Map center is 32° 20' 04"N, 89° 05' 00"W (WGS84/NAD83)
Hickory quadrangle
Projection is UTM Zone 16 NAD83 Datum

M=-0.358
G=-1.115